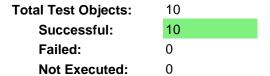


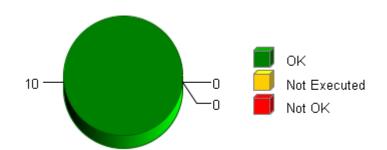
#### **Summary**

### **Overall Test Object Results (including Coverage)**



Date: 2015-06-29

Time: 19:19:40+0530



#### **Selected Project Items**

Test Object "CBD UnitTest/EOTActuatorMng/EOTActuatorMng Per1"

Test Object "CBD UnitTest/EOTActuatorMng/EOTDetermination"

Test Object "CBD\_UnitTest/EOTActuatorMng/EOTOrigImpact"

Test Object "CBD UnitTest/EOTActuatorMng/SES CalcEnterGain"

Test Object "CBD\_UnitTest/EOTActuatorMng/SES\_CalcEOTDamp"

Test Object "CBD UnitTest/EOTActuatorMng/SES CalcEOTGain"

Test Object "CBD\_UnitTest/EOTActuatorMng/SES\_CalcExitGain"

Test Object "CBD\_UnitTest/EOTActuatorMng/SES\_DetLmtPos"

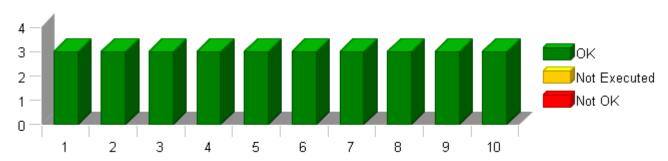
Test Object "CBD UnitTest/EOTActuatorMng/SES FiltEOTGain"

Test Object "CBD\_UnitTest/EOTActuatorMng/SES\_StateCtrl"

#### **Used Test Environments**

TI TMS 570 PLS UDE (Default)

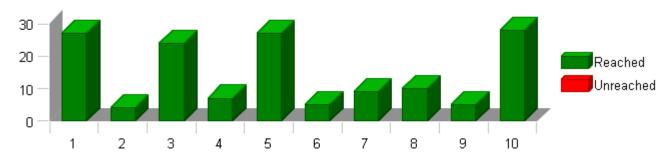
#### Test Case Results for Each Test Object (without Coverage)



The table above shows each test object on the x axis and the number of test cases of the respective test object on the y axis. Each bar is divided into passed, not executed and failed test cases. The test case results do not take into account any coverage result (i.e. if all test cases of a test object are passed in this table but the coverage is failed, the overall test object result will be failed).

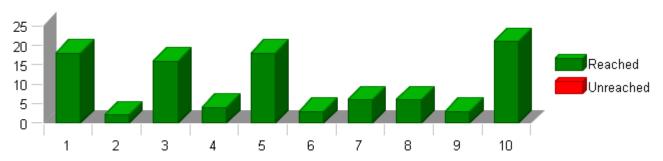


#### Statement (C0) Coverage: Total Statements for Each Test Object



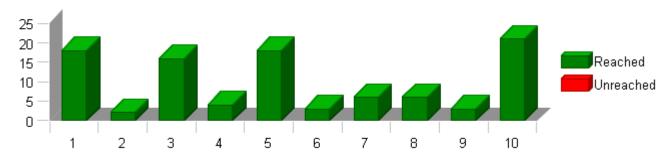
The table above shows each test object on the x axis and the number of statements of the respective test object on the y axis. Each bar is divided into reached statements (i.e. statements that have been executed during the test) and unreached statements.

### Branch (C1) Coverage: Total Branches for Each Test Object



The table above shows each test object on the x axis and the number of branches of the respective test object on the y axis. Each bar is divided into reached branches (i.e. branches that have been executed during the test) and unreached branches.

#### **Decision Coverage: Total Decision Outcomes for Each Test Object**

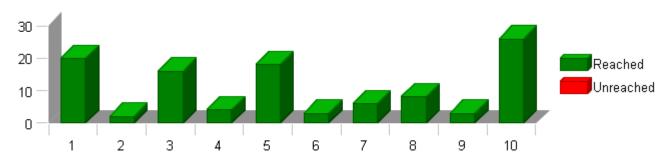


The table above shows test objects on the x axis and the number of possible outcomes of all decisions of the respective test object on the y axis. To achieve full DC coverage, each decision must evaluate to both true and false.

Each bar is divided into reached and unreached decision outcomes.



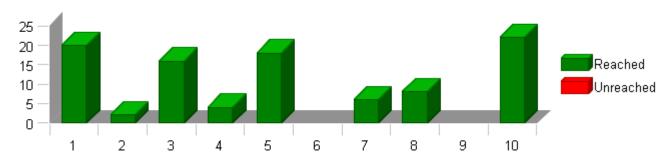
#### MC/DC Coverage: Total Condition Combinations for Each Test Object



The table above shows test objects on the x axis and the number of condition combinations of all decisions of the respective test object on the y axis. The number of condition combinations is based on the number of boolean conditions within each decision of the test object. To achieve full MC/DC coverage, each decision requires all contained atomic conditions to evaluate to both true and false independently of all other conditions. The cumulated number of rows within such tables of condition combinations is what is displayed in this table.

Each bar is divided into reached condition combinations (i.e. combinations of boolean condition values that have been executed during the test) and unreached condition combinations.

#### MCC Coverage: Total Condition Combinations for Each Test Object



The table above shows test objects on the x axis and the number of condition combinations of all decisions of the respective test object on the y axis. The number of condition combinations is based on the number of boolean conditions within each decision of the test object. To achieve full MCC coverage, each decision requires all contained atomic conditions to evaluate to all possible combinations of true and false values. The cumulated number of rows within such tables of condition combinations is what is displayed in this table.

Each bar is divided into reached condition combinations (i.e. combinations of boolean condition values that have been executed during the test) and unreached condition combinations.



### **Test Object List**

The following table lists all test objects with their test case and coverage results. The cumulated results for modules, folders and test collections are also displayed, the indentation within the name column indicates the parent relationship of the elements.

Please note that only test objects are numbered within the first column. This number is referenced on the x axis within the overview charts for test case and coverage results available on previous pages (if included into the report).

| No. | Name                    | C0    | C1    | DC    | MC/DC | MCC   | Test Cases      | Result |
|-----|-------------------------|-------|-------|-------|-------|-------|-----------------|--------|
|     | EOTActuatorMng          | 100 % | 100 % | 100 % | 100 % | 100 % | 30 of 30 passed | ~      |
|     | CBD_UnitTest            | 100 % | 100 % | 100 % | 100 % | 100 % | 30 of 30 passed | •      |
|     | EOTActuatorMng          | 100 % | 100 % | 100 % | 100 % | 100 % | 30 of 30 passed | •      |
| 1   | EOTActuatorMng_Per1     | 100 % | 100 % | 100 % | 100 % | 100 % | 3 of 3 passed   | •      |
| 2   | <u>EOTDetermination</u> | 100 % | 100 % | 100 % | 100 % | 100 % | 3 of 3 passed   | •      |
| 3   | <u>EOTOrigImpact</u>    | 100 % | 100 % | 100 % | 100 % | 100 % | 3 of 3 passed   | •      |
| 4   | SES CalcEnterGain       | 100 % | 100 % | 100 % | 100 % | 100 % | 3 of 3 passed   | ~      |
| 5   | SES CalcEOTDamp         | 100 % | 100 % | 100 % | 100 % | 100 % | 3 of 3 passed   | •      |
| 6   | SES CalcEOTGain         | 100 % | 100 % | 100 % | 100 % | -     | 3 of 3 passed   | •      |
| 7   | SES CalcExitGain        | 100 % | 100 % | 100 % | 100 % | 100 % | 3 of 3 passed   | •      |
| 8   | SES DetLmtPos           | 100 % | 100 % | 100 % | 100 % | 100 % | 3 of 3 passed   | •      |
| 9   | SES FiltEOTGain         | 100 % | 100 % | 100 % | 100 % | -     | 3 of 3 passed   | •      |
| 10  | SES StateCtrl           | 100 % | 100 % | 100 % | 100 % | 100 % | 3 of 3 passed   | ~      |

© Report created by TESSY V3.1.11, report template V2.0

2015-06-29, 18:37:20+0530



SES\_CalcEnterGain

 Project
 EOTActuatorMng

 Module
 EOTActuatorMng

 Test Object
 SES\_CalcEnterGain

#### Instrumentation: Test Object Only

| Statement (C0) Coverage  | 100 % |
|--------------------------|-------|
| <b>Decision Coverage</b> | 100 % |
| Branch (C1) Coverage     | 100 % |
| MCC Coverage             | 100 % |
| MC/DC Coverage           | 100 % |

#### **Statistics**

| Total Testcases | 3 |
|-----------------|---|
|                 | J |

2015-06-29, 18:37:20+0530



| Attributes       |  |  |  |  |  |  |
|------------------|--|--|--|--|--|--|
| Name             | Value  |  |  |  |  |  |
| Timer Enabled    | false  |  |  |  |  |  |
| Timer Prescale   | 0  |  |  |  |  |  |
| Timer Resolution |  |  |  |  |  |  |
| UDE Config File  | \$(PROJECTROOT)\UnitTestEnv\config\TMS570_UDE_12PIN_JTAG.cfg                                   |  |  |  |  |  |
| Workspace File   | D:\Synergy_Work_Area\CBD_EOTActuatorMng\EOTActuatorMng\UnitTestEnv\config\UDE_TMS570_DEBUG.WSP |  |  |  |  |  |



#### Test Case 1: Metrics test

Performance Metrics (With "None" Instrumentation and WithPS Environment)
CPU Cycles: Specification

TS1.1 9 cycles TS1.2 327 cycles

Description Vector Description

TS1.1"Shortest Execution Path:
(HandWheelPos2\_HwDeg\_T\_f32 < D\_ZERO\_ULS\_F32) ==> FALSE"
TS1.2"Longest Execution Path:
(HandWheelPos2\_HwDeg\_T\_f32 < D\_ZERO\_ULS\_F32) ==> TRUE"

| Test Step 1.1 (Repeat Count = 1)   |              |                | ✓      |
|------------------------------------|--------------|----------------|--------|
| Name                               | Input Value  |                |        |
| EOTActuatorMng_SESState_Uls_M_enum | SES_DISABLED |                |        |
| HandWheelPos_HwDeg_T_f32           | 500.5        |                |        |
| LimitPosition_HwDeg_T_f32          | 200.600006   |                |        |
| VehicleSpeed_Kph_T_f32             | 200.800003   |                |        |
| t2_EOTEnterGainX_HwDeg_u12p4[0][0] | 320          |                |        |
| t2_EOTEnterGainX_HwDeg_u12p4[0][1] | 480          |                |        |
| t2_EOTEnterGainX_HwDeg_u12p4[0][2] | 960          |                |        |
| t2_EOTEnterGainX_HwDeg_u12p4[0][3] | 1440         |                |        |
| t2_EOTEnterGainX_HwDeg_u12p4[1][0] | 1600         |                |        |
| t2_EOTEnterGainX_HwDeg_u12p4[1][1] | 2400         |                |        |
| t2_EOTEnterGainX_HwDeg_u12p4[1][2] | 3200         |                |        |
| t2_EOTEnterGainX_HwDeg_u12p4[1][3] | 4000         |                |        |
| t2_EOTEnterGainX_HwDeg_u12p4[2][0] | 4800         |                |        |
| t2_EOTEnterGainX_HwDeg_u12p4[2][1] | 5600         |                |        |
| t2_EOTEnterGainX_HwDeg_u12p4[2][2] | 6400         |                |        |
| t2_EOTEnterGainX_HwDeg_u12p4[2][3] | 7200         |                |        |
| t2_EOTEnterGainX_HwDeg_u12p4[3][0] | 8000         |                |        |
| t2_EOTEnterGainX_HwDeg_u12p4[3][1] | 8800         |                |        |
| t2_EOTEnterGainX_HwDeg_u12p4[3][2] | 9600         |                |        |
| t2_EOTEnterGainX_HwDeg_u12p4[3][3] | 10400        |                |        |
| t2_EOTEnterGainY_Uls_u1p15[0][0]   | 0            |                |        |
| t2_EOTEnterGainY_Uls_u1p15[0][1]   | 10813        |                |        |
| t2_EOTEnterGainY_Uls_u1p15[0][2]   | 21627        |                |        |
| t2_EOTEnterGainY_Uls_u1p15[0][3]   | 32768        |                |        |
| t2_EOTEnterGainY_Uls_u1p15[1][0]   | 3277         |                |        |
| t2_EOTEnterGainY_Uls_u1p15[1][1]   | 6554         |                |        |
| t2_EOTEnterGainY_Uls_u1p15[1][2]   | 13107        |                |        |
| t2_EOTEnterGainY_Uls_u1p15[1][3]   | 16384        |                |        |
| t2_EOTEnterGainY_Uls_u1p15[2][0]   | 33           |                |        |
| t2_EOTEnterGainY_Uls_u1p15[2][1]   | 22938        |                |        |
| t2_EOTEnterGainY_Uls_u1p15[2][2]   | 26214        |                |        |
| t2_EOTEnterGainY_Uls_u1p15[2][3]   | 29491        |                |        |
| t2_EOTEnterGainY_Uls_u1p15[3][0]   | 66           |                |        |
| t2_EOTEnterGainY_Uls_u1p15[3][1]   | 98           |                |        |
| t2_EOTEnterGainY_Uls_u1p15[3][2]   | 131          |                |        |
| t2_EOTEnterGainY_Uls_u1p15[3][3]   | 164          |                |        |
| t_EOTEnterGainVspd_Kph_u9p7[0]     | 0            |                |        |
| t_EOTEnterGainVspd_Kph_u9p7[1]     | 640          |                |        |
| t_EOTEnterGainVspd_Kph_u9p7[2]     | 1280         |                |        |
| t_EOTEnterGainVspd_Kph_u9p7[3]     | 2560         |                |        |
| Name                               | Actual Value | Expected Value | Result |
| SES_CalcEnterGain()                | 1            | 1 ± 0.0078125  | ~      |

| T               |       |                          |       |        |  |
|-----------------|-------|--------------------------|-------|--------|--|
| Actual Function | Count | Expected Function        | Count | Result |  |
| *none*          | 0     | *** No Call Expected *** | 0     | ~      |  |

| Test Step 1.2 (Repeat Count = 1)   |             |  |  |  |
|------------------------------------|-------------|--|--|--|
| Name                               | Input Value |  |  |  |
| EOTActuatorMng_SESState_Uls_M_enum | SES_NORMAL  |  |  |  |
| HandWheelPos_HwDeg_T_f32           | -1000.09998 |  |  |  |
| LimitPosition_HwDeg_T_f32          | 1300.30005  |  |  |  |
| VehicleSpeed_Kph_T_f32             | 60.4000015  |  |  |  |
| t2_EOTEnterGainX_HwDeg_u12p4[0][0] | 0           |  |  |  |

2015-06-29, 18:37:20+0530



| Name                               | Input Value   |                           |        |
|------------------------------------|---------------|---------------------------|--------|
| t2_EOTEnterGainX_HwDeg_u12p4[0][1] | 16            |                           |        |
| t2_EOTEnterGainX_HwDeg_u12p4[0][2] | 32            |                           |        |
| t2_EOTEnterGainX_HwDeg_u12p4[0][3] | 48            |                           |        |
| t2_EOTEnterGainX_HwDeg_u12p4[1][0] | 64            |                           |        |
| t2_EOTEnterGainX_HwDeg_u12p4[1][1] | 80            |                           |        |
| t2_EOTEnterGainX_HwDeg_u12p4[1][2] | 96            |                           |        |
| t2_EOTEnterGainX_HwDeg_u12p4[1][3] | 112           |                           |        |
| t2_EOTEnterGainX_HwDeg_u12p4[2][0] | 128           |                           |        |
| t2_EOTEnterGainX_HwDeg_u12p4[2][1] | 144           |                           |        |
| t2_EOTEnterGainX_HwDeg_u12p4[2][2] | 160           |                           |        |
| t2_EOTEnterGainX_HwDeg_u12p4[2][3] | 176           |                           |        |
| t2_EOTEnterGainX_HwDeg_u12p4[3][0] | 192           |                           |        |
| t2_EOTEnterGainX_HwDeg_u12p4[3][1] | 208           |                           |        |
| t2_EOTEnterGainX_HwDeg_u12p4[3][2] | 224           |                           |        |
| t2_EOTEnterGainX_HwDeg_u12p4[3][3] | 240           |                           |        |
| t2_EOTEnterGainY_Uls_u1p15[0][0]   | 0             |                           |        |
| t2_EOTEnterGainY_Uls_u1p15[0][1]   | 10813         |                           |        |
| t2_EOTEnterGainY_Uls_u1p15[0][2]   | 21627         |                           |        |
| t2_EOTEnterGainY_Uls_u1p15[0][3]   | 32768         |                           |        |
| t2_EOTEnterGainY_Uls_u1p15[1][0]   | 3277          |                           |        |
| t2_EOTEnterGainY_Uls_u1p15[1][1]   | 6554          |                           |        |
| t2_EOTEnterGainY_Uls_u1p15[1][2]   | 13107         |                           |        |
| t2_EOTEnterGainY_Uls_u1p15[1][3]   | 16384         |                           |        |
| t2_EOTEnterGainY_Uls_u1p15[2][0]   | 33            |                           |        |
| t2_EOTEnterGainY_Uls_u1p15[2][1]   | 22938         |                           |        |
| t2_EOTEnterGainY_Uls_u1p15[2][2]   | 26214         |                           |        |
| t2_EOTEnterGainY_Uls_u1p15[2][3]   | 29491         |                           |        |
| t2_EOTEnterGainY_Uls_u1p15[3][0]   | 66            |                           |        |
| t2_EOTEnterGainY_Uls_u1p15[3][1]   | 98            |                           |        |
| t2_EOTEnterGainY_Uls_u1p15[3][2]   | 131           |                           |        |
| t2_EOTEnterGainY_Uls_u1p15[3][3]   | 164           |                           |        |
| t_EOTEnterGainVspd_Kph_u9p7[0]     | 0             |                           |        |
| t_EOTEnterGainVspd_Kph_u9p7[1]     | 640           |                           |        |
| t_EOTEnterGainVspd_Kph_u9p7[2]     | 1280          |                           |        |
| t_EOTEnterGainVspd_Kph_u9p7[3]     | 2560          |                           |        |
| Name                               | Actual Value  | Expected Value            | Result |
| SES_CalcEnterGain()                | 0.00500488281 | 0.00201415992 ± 0.0078125 | •      |

| T                               |       |                                 |       |        |
|---------------------------------|-------|---------------------------------|-------|--------|
| Actual Function                 | Count | Expected Function               | Count | Result |
| BilinearXMYM_u16_u16XMu16YM_Cnt | 1     | BilinearXMYM_u16_u16XMu16YM_Cnt | 1     | ~      |



#### **Test Case 2: Boundary Test**

#### Specification

```
Performance Metrics (With "None" Instrumentation and WithPS Environment)
CPU Cycles:
```

TS2.1 324 cycles
TS2.2 325 cycles
TS2.2 325 cycles
TS2.3 325 cycles
TS2.4 325 cycles
TS2.5 325 cycles
TS2.6 325 cycles
TS2.7 325 cycles
TS2.8 325 cycles
TS2.9 325 cycles
TS2.10 325 cycles
TS2.11 325 cycles
TS2.11 325 cycles
TS2.12 325 cycles
TS2.13 325 cycles
TS2.14 325 cycles
TS2.15 325 cycles
TS2.15 325 cycles
TS2.16 325 cycles
TS2.17 325 cycles
TS2.18 325 cycles
TS2.18 325 cycles
TS2.19 325 cycles
TS2.10 325 cycles
TS2.10 325 cycles
TS2.10 325 cycles
TS2.11 325 cycles
TS2.12 325 cycles
TS2.20 325 cycles
TS2.21 325 cycles
TS2.23 325 cycles
TS2.24 325 cycles
TS2.25 325 cycles
TS2.26 325 cycles
TS2.27 9 cycles
TS2.28 325 cycles
TS2.27 9 cycles
TS2.28 325 cycles

#### Description

#### Vector Description

TS2.1HandWheelPos3\_HwDeg\_T\_f32min TS2.2HandWheelPos3\_HwDeg\_T\_f32 max TS2.3HandWheelPos3\_HwDeg\_T\_f32 zero TS2.4HandWheelPos3\_HwDeg\_T\_f32 zero TS2.5HandWheelPos3\_HwDeg\_T\_f32 neg TS2.6LimitPosition\_HwDeg\_T\_f32 min TS2.7LimitPosition\_HwDeg\_T\_f32 zero TS2.8LimitPosition\_HwDeg\_T\_f32 zero TS2.9LimitPosition\_HwDeg\_T\_f32 zero TS2.9LimitPosition\_HwDeg\_T\_f32 pos TS2.10LimitPosition\_HwDeg\_T\_f32 neg TS2.11VehicleSpeed\_Kph\_T\_f32 min TS2.12VehicleSpeed\_Kph\_T\_f32 pos TS2.13VehicleSpeed\_Kph\_T\_f32 pos TS2.14SESState\_UIs\_M\_enum min TS2.14SESState\_UIs\_M\_enum min TS2.15SESState\_UIs\_M\_enum =1 TS2.16SESState\_UIs\_M\_enum =2 TS2.17SESState\_UIs\_M\_enum max TS2.18t\_EOTEnterGainVspd\_Kph\_u9p7[4] min TS2.19t\_EOTEnterGainVspd\_Kph\_u9p7[4] max TS2.20t\_EOTEnterGainVspd\_Kph\_u9p7[4]mid IS2.20t\_EOTEnterGainVspd\_Kpn\_usp/[4]mid TS2.21t2\_EOTEnterGainX\_HwDeg\_u12p4[4] min TS2.22t2\_EOTEnterGainX\_HwDeg\_u12p4[4] max TS2.23t2\_EOTEnterGainX\_HwDeg\_u12p4[4] mid TS2.24t2\_EOTEnterGainY\_Uls\_u1p15[4] min TS2.25t2\_EOTEnterGainY\_Uls\_u1p15[4]max TS2.26t2\_EOTEnterGainY\_Uls\_u1p15[4]mid TS2.27All min TS2.28All max

| Test Step 2.1 (Repeat Count = 1)   |             |
|------------------------------------|-------------|
| Name                               | Input Value |
| EOTActuatorMng_SESState_Uls_M_enum | SES_NORMAL  |
| HandWheelPos_HwDeg_T_f32           | -1440.10999 |
| LimitPosition_HwDeg_T_f32          | 1440.10999  |
| VehicleSpeed_Kph_T_f32             | 100.218399  |
| t2_EOTEnterGainX_HwDeg_u12p4[0][0] | 32          |
| t2_EOTEnterGainX_HwDeg_u12p4[0][1] | 80          |
| t2_EOTEnterGainX_HwDeg_u12p4[0][2] | 96          |
| t2_EOTEnterGainX_HwDeg_u12p4[0][3] | 112         |
| t2_EOTEnterGainX_HwDeg_u12p4[1][0] | 640         |
| t2_EOTEnterGainX_HwDeg_u12p4[1][1] | 1904        |
| t2_EOTEnterGainX_HwDeg_u12p4[1][2] | 1920        |
| t2_EOTEnterGainX_HwDeg_u12p4[1][3] | 1936        |
| t2_EOTEnterGainX_HwDeg_u12p4[2][0] | 784         |
| t2_EOTEnterGainX_HwDeg_u12p4[2][1] | 2336        |
| t2_EOTEnterGainX_HwDeg_u12p4[2][2] | 2352        |
| t2_EOTEnterGainX_HwDeg_u12p4[2][3] | 2368        |
| t2_EOTEnterGainX_HwDeg_u12p4[3][0] | 192         |
| t2_EOTEnterGainX_HwDeg_u12p4[3][1] | 560         |
| t2_EOTEnterGainX_HwDeg_u12p4[3][2] | 576         |
| t2_EOTEnterGainX_HwDeg_u12p4[3][3] | 592         |
| t2_EOTEnterGainY_Uls_u1p15[0][0]   | 0           |
| t2_EOTEnterGainY_Uls_u1p15[0][1]   | 3           |
| t2_EOTEnterGainY_Uls_u1p15[0][2]   | 4           |
| t2_EOTEnterGainY_Uls_u1p15[0][3]   | 5           |

© Report created by TESSY V3.1.11, report template V2.1

5

2015-06-29, 18:37:20+0530



| Name                             | Input Value    |                            |        |
|----------------------------------|----------------|----------------------------|--------|
| t2_EOTEnterGainY_Uls_u1p15[1][0] | 5              |                            |        |
| t2_EOTEnterGainY_Uls_u1p15[1][1] | 6              |                            |        |
| t2_EOTEnterGainY_Uls_u1p15[1][2] | 29             |                            |        |
| t2_EOTEnterGainY_Uls_u1p15[1][3] | 288            |                            |        |
| t2_EOTEnterGainY_Uls_u1p15[2][0] | 5              |                            |        |
| t2_EOTEnterGainY_Uls_u1p15[2][1] | 5              |                            |        |
| t2_EOTEnterGainY_Uls_u1p15[2][2] | 20             |                            |        |
| t2_EOTEnterGainY_Uls_u1p15[2][3] | 193            |                            |        |
| t2_EOTEnterGainY_Uls_u1p15[3][0] | 7              |                            |        |
| t2_EOTEnterGainY_Uls_u1p15[3][1] | 7              |                            |        |
| t2_EOTEnterGainY_Uls_u1p15[3][2] | 78             |                            |        |
| t2_EOTEnterGainY_Uls_u1p15[3][3] | 763            |                            |        |
| t_EOTEnterGainVspd_Kph_u9p7[0]   | 128            |                            |        |
| t_EOTEnterGainVspd_Kph_u9p7[1]   | 256            |                            |        |
| t_EOTEnterGainVspd_Kph_u9p7[2]   | 384            |                            |        |
| t_EOTEnterGainVspd_Kph_u9p7[3]   | 512            |                            |        |
| Name                             | Actual Value   | Expected Value             | Result |
| SES_CalcEnterGain()              | 0.000213623047 | 0.000213623003 ± 0.0078125 | ~      |

| T                               |       |                                 |       |        |  |
|---------------------------------|-------|---------------------------------|-------|--------|--|
| Actual Function                 | Count | Expected Function               | Count | Resulf |  |
| BilinearXMYM_u16_u16XMu16YM_Cnt | 1     | BilinearXMYM_u16_u16XMu16YM_Cnt | 1     | •      |  |

| Test Step 2.2 (Repeat Count = 1)   |                         | <b>✓</b>            |
|------------------------------------|-------------------------|---------------------|
| Name                               | Input Value             |                     |
| EOTActuatorMng_SESState_Uls_M_enum | SES_ENTERING            |                     |
| HandWheelPos_HwDeg_T_f32           | 1440.10999              |                     |
| LimitPosition_HwDeg_T_f32          | 1440.10999              |                     |
| VehicleSpeed_Kph_T_f32             | 90.032402               |                     |
| t2_EOTEnterGainX_HwDeg_u12p4[0][0] | 48                      |                     |
| t2_EOTEnterGainX_HwDeg_u12p4[0][1] | 128                     |                     |
| t2_EOTEnterGainX_HwDeg_u12p4[0][2] | 144                     |                     |
| t2_EOTEnterGainX_HwDeg_u12p4[0][3] | 160                     |                     |
| t2_EOTEnterGainX_HwDeg_u12p4[1][0] | 656                     |                     |
| t2_EOTEnterGainX_HwDeg_u12p4[1][1] | 1952                    |                     |
| t2_EOTEnterGainX_HwDeg_u12p4[1][2] | 1968                    |                     |
| t2_EOTEnterGainX_HwDeg_u12p4[1][3] | 1984                    |                     |
| t2_EOTEnterGainX_HwDeg_u12p4[2][0] | 800                     |                     |
| t2_EOTEnterGainX_HwDeg_u12p4[2][1] | 2384                    |                     |
| t2_EOTEnterGainX_HwDeg_u12p4[2][2] | 2400                    |                     |
| t2_EOTEnterGainX_HwDeg_u12p4[2][3] | 2416                    |                     |
| t2_EOTEnterGainX_HwDeg_u12p4[3][0] | 208                     |                     |
| t2_EOTEnterGainX_HwDeg_u12p4[3][1] | 608                     |                     |
| t2_EOTEnterGainX_HwDeg_u12p4[3][2] | 624                     |                     |
| t2_EOTEnterGainX_HwDeg_u12p4[3][3] | 640                     |                     |
| t2_EOTEnterGainY_Uls_u1p15[0][0]   | 4                       |                     |
| t2_EOTEnterGainY_Uls_u1p15[0][1]   | 5                       |                     |
| t2_EOTEnterGainY_Uls_u1p15[0][2]   | 10                      |                     |
| t2_EOTEnterGainY_Uls_u1p15[0][3]   | 98                      |                     |
| t2_EOTEnterGainY_Uls_u1p15[1][0]   | 5                       |                     |
| t2_EOTEnterGainY_Uls_u1p15[1][1]   | 6                       |                     |
| t2_EOTEnterGainY_Uls_u1p15[1][2]   | 39                      |                     |
| t2_EOTEnterGainY_Uls_u1p15[1][3]   | 383                     |                     |
| t2_EOTEnterGainY_Uls_u1p15[2][0]   | 5                       |                     |
| t2_EOTEnterGainY_Uls_u1p15[2][1]   | 6                       |                     |
| t2_EOTEnterGainY_Uls_u1p15[2][2]   | 29                      |                     |
| t2_EOTEnterGainY_Uls_u1p15[2][3]   | 288                     |                     |
| t2_EOTEnterGainY_Uls_u1p15[3][0]   | 7                       |                     |
| t2_EOTEnterGainY_Uls_u1p15[3][1]   | 8                       |                     |
| t2_EOTEnterGainY_Uls_u1p15[3][2]   | 88                      |                     |
| t2_EOTEnterGainY_Uls_u1p15[3][3]   | 859                     |                     |
| t_EOTEnterGainVspd_Kph_u9p7[0]     | 256                     |                     |
| t_EOTEnterGainVspd_Kph_u9p7[1]     | 640                     |                     |
| t_EOTEnterGainVspd_Kph_u9p7[2]     | 768                     |                     |
| t_EOTEnterGainVspd_Kph_u9p7[3]     | 896                     |                     |
| Name                               | Actual Value Expecte    | ed Value Result     |
| SES_CalcEnterGain()                | 0.000213623047 0.000213 | 3623003 ± 0.0078125 |



| T                               |       |                                 |       | V      |
|---------------------------------|-------|---------------------------------|-------|--------|
| Actual Function                 | Count | Expected Function               | Count | Result |
| BilinearXMYM_u16_u16XMu16YM_Cnt | 1     | BilinearXMYM_u16_u16XMu16YM_Cnt | 1     | ~      |

| Test Step 2.3 (Repeat Count = 1)   |              |                | <b>✓</b> |
|------------------------------------|--------------|----------------|----------|
| Name                               | Input Value  |                |          |
| EOTActuatorMng_SESState_Uls_M_enum | SES_NORMAL   |                |          |
| HandWheelPos_HwDeg_T_f32           | 0            |                |          |
| LimitPosition HwDeg T f32          | 1200.33997   |                |          |
| VehicleSpeed Kph T f32             | 80.0456009   |                |          |
| t2_EOTEnterGainX_HwDeg_u12p4[0][0] | 64           |                |          |
| t2_EOTEnterGainX_HwDeg_u12p4[0][1] | 176          |                |          |
| t2_EOTEnterGainX_HwDeg_u12p4[0][2] | 192          |                |          |
| t2_EOTEnterGainX_HwDeg_u12p4[0][3] | 208          |                |          |
| t2_EOTEnterGainX_HwDeg_u12p4[1][0] | 672          |                |          |
| t2_EOTEnterGainX_HwDeg_u12p4[1][1] | 2000         |                |          |
| t2_EOTEnterGainX_HwDeg_u12p4[1][2] | 2016         |                |          |
| t2_EOTEnterGainX_HwDeg_u12p4[1][3] | 2032         |                |          |
| t2_EOTEnterGainX_HwDeg_u12p4[2][0] | 816          |                |          |
| t2 EOTEnterGainX HwDeg u12p4[2][1] | 2432         |                |          |
| t2_EOTEnterGainX_HwDeg_u12p4[2][2] | 2448         |                |          |
| t2_EOTEnterGainX_HwDeg_u12p4[2][3] | 2464         |                |          |
| t2_EOTEnterGainX_HwDeg_u12p4[3][0] | 224          |                |          |
| t2_EOTEnterGainX_HwDeg_u12p4[3][1] | 656          |                |          |
| t2_EOTEnterGainX_HwDeg_u12p4[3][2] | 672          |                |          |
| t2_EOTEnterGainX_HwDeg_u12p4[3][3] | 688          |                |          |
| t2_EOTEnterGainY_Uls_u1p15[0][0]   | 5            |                |          |
| t2_EOTEnterGainY_Uls_u1p15[0][1]   | 5            |                |          |
| t2_EOTEnterGainY_Uls_u1p15[0][2]   | 20           |                |          |
| t2_EOTEnterGainY_Uls_u1p15[0][3]   | 193          |                |          |
| t2_EOTEnterGainY_Uls_u1p15[1][0]   | 6            |                |          |
| t2_EOTEnterGainY_Uls_u1p15[1][1]   | 6            |                |          |
| t2_EOTEnterGainY_Uls_u1p15[1][2]   | 49           |                |          |
| t2_EOTEnterGainY_Uls_u1p15[1][3]   | 478          |                |          |
| t2_EOTEnterGainY_Uls_u1p15[2][0]   | 5            |                |          |
| t2_EOTEnterGainY_Uls_u1p15[2][1]   | 6            |                |          |
| t2_EOTEnterGainY_Uls_u1p15[2][2]   | 39           |                |          |
| t2_EOTEnterGainY_Uls_u1p15[2][3]   | 383          |                |          |
| t2_EOTEnterGainY_Uls_u1p15[3][0]   | 7            |                |          |
| t2_EOTEnterGainY_Uls_u1p15[3][1]   | 8            |                |          |
| t2_EOTEnterGainY_Uls_u1p15[3][2]   | 98           |                |          |
| t2_EOTEnterGainY_Uls_u1p15[3][3]   | 954          |                |          |
| t_EOTEnterGainVspd_Kph_u9p7[0]     | 384          |                |          |
| t_EOTEnterGainVspd_Kph_u9p7[1]     | 1024         |                |          |
| t_EOTEnterGainVspd_Kph_u9p7[2]     | 1152         |                |          |
| t_EOTEnterGainVspd_Kph_u9p7[3]     | 1280         |                |          |
| Name                               | Actual Value | Expected Value | Result   |
|                                    |              |                |          |

| T                               |       |                                 |       | <b>✓</b> |
|---------------------------------|-------|---------------------------------|-------|----------|
| Actual Function                 | Count | Expected Function               | Count | Result   |
| BilinearXMYM u16 u16XMu16YM Cnt | 1     | BilinearXMYM u16 u16XMu16YM Cnt | 1     | ~        |

| Test Step 2.4 (Repeat Count = 1)   |              | · · |
|------------------------------------|--------------|-----|
| Name                               | Input Value  |     |
| EOTActuatorMng_SESState_Uls_M_enum | SES_ENTERING |     |
| HandWheelPos_HwDeg_T_f32           | 1000.09998   |     |
| LimitPosition_HwDeg_T_f32          | -1300.14001  |     |
| VehicleSpeed_Kph_T_f32             | 70.8410034   |     |
| t2_EOTEnterGainX_HwDeg_u12p4[0][0] | 80           |     |
| t2_EOTEnterGainX_HwDeg_u12p4[0][1] | 224          |     |
| t2_EOTEnterGainX_HwDeg_u12p4[0][2] | 240          |     |
| t2_EOTEnterGainX_HwDeg_u12p4[0][3] | 256          |     |
| t2_EOTEnterGainX_HwDeg_u12p4[1][0] | 688          |     |
| t2_EOTEnterGainX_HwDeg_u12p4[1][1] | 2048         |     |
| t2_EOTEnterGainX_HwDeg_u12p4[1][2] | 2064         |     |
| t2_EOTEnterGainX_HwDeg_u12p4[1][3] | 2080         |     |

2015-06-29, 18:37:20+0530



| Name                               | Input Value  |                          |        |
|------------------------------------|--------------|--------------------------|--------|
| t2_EOTEnterGainX_HwDeg_u12p4[2][0] | 832          |                          |        |
| t2 EOTEnterGainX HwDeg u12p4[2][1] | 2480         |                          |        |
| t2_EOTEnterGainX_HwDeg_u12p4[2][2] | 2496         |                          |        |
| t2_EOTEnterGainX_HwDeg_u12p4[2][3] | 2512         |                          |        |
| t2_EOTEnterGainX_HwDeg_u12p4[3][0] | 240          |                          |        |
| t2_EOTEnterGainX_HwDeg_u12p4[3][1] | 704          |                          |        |
| t2_EOTEnterGainX_HwDeg_u12p4[3][2] | 720          |                          |        |
| t2_EOTEnterGainX_HwDeg_u12p4[3][3] | 736          |                          |        |
| t2_EOTEnterGainY_Uls_u1p15[0][0]   | 5            |                          |        |
| t2_EOTEnterGainY_Uls_u1p15[0][1]   | 6            |                          |        |
| t2_EOTEnterGainY_Uls_u1p15[0][2]   | 29           |                          |        |
| t2_EOTEnterGainY_Uls_u1p15[0][3]   | 288          |                          |        |
| t2_EOTEnterGainY_Uls_u1p15[1][0]   | 6            |                          |        |
| t2_EOTEnterGainY_Uls_u1p15[1][1]   | 7            |                          |        |
| t2_EOTEnterGainY_Uls_u1p15[1][2]   | 59           |                          |        |
| t2_EOTEnterGainY_Uls_u1p15[1][3]   | 573          |                          |        |
| t2_EOTEnterGainY_Uls_u1p15[2][0]   | 6            |                          |        |
| t2_EOTEnterGainY_Uls_u1p15[2][1]   | 6            |                          |        |
| t2_EOTEnterGainY_Uls_u1p15[2][2]   | 49           |                          |        |
| t2_EOTEnterGainY_Uls_u1p15[2][3]   | 478          |                          |        |
| t2_EOTEnterGainY_Uls_u1p15[3][0]   | 8            |                          |        |
| t2_EOTEnterGainY_Uls_u1p15[3][1]   | 8            |                          |        |
| t2_EOTEnterGainY_Uls_u1p15[3][2]   | 108          |                          |        |
| t2_EOTEnterGainY_Uls_u1p15[3][3]   | 1049         |                          |        |
| t_EOTEnterGainVspd_Kph_u9p7[0]     | 512          |                          |        |
| t_EOTEnterGainVspd_Kph_u9p7[1]     | 1408         |                          |        |
| t_EOTEnterGainVspd_Kph_u9p7[2]     | 1536         |                          |        |
| t_EOTEnterGainVspd_Kph_u9p7[3]     | 1664         |                          |        |
| Name                               | Actual Value | Expected Value           | Result |
| SES_CalcEnterGain()                | 0.0320129395 | 0.0320129395 ± 0.0078125 | ~      |

| T                               |       |                                 |       |      | <b>✓</b> |
|---------------------------------|-------|---------------------------------|-------|------|----------|
| Actual Function                 | Count | Expected Function               | Count | Resu | lt       |
| RilinearXMYM u16 u16XMu16YM Cnt | 1     | BilinearXMYM_u16_u16XMu16YM_Cnt | 1     |      | ~        |

| Test Step 2.5 (Repeat Count = 1)   | <b>✓</b>    |
|------------------------------------|-------------|
| Name                               | Input Value |
| EOTActuatorMng SESState Uls M enum | SES NORMAL  |
| HandWheelPos HwDeg T f32           | -1000.09998 |
| LimitPosition_HwDeg_T_f32          | 1300.65002  |
| VehicleSpeed_Kph_T_f32             | 60.3569984  |
| t2_EOTEnterGainX_HwDeg_u12p4[0][0] | 96          |
| t2_EOTEnterGainX_HwDeg_u12p4[0][1] | 272         |
| t2_EOTEnterGainX_HwDeg_u12p4[0][2] | 288         |
| t2_EOTEnterGainX_HwDeg_u12p4[0][3] | 304         |
| t2_EOTEnterGainX_HwDeg_u12p4[1][0] | 704         |
| t2_EOTEnterGainX_HwDeg_u12p4[1][1] | 2096        |
| t2_EOTEnterGainX_HwDeg_u12p4[1][2] | 2112        |
| t2_EOTEnterGainX_HwDeg_u12p4[1][3] | 2128        |
| t2_EOTEnterGainX_HwDeg_u12p4[2][0] | 848         |
| t2_EOTEnterGainX_HwDeg_u12p4[2][1] | 2528        |
| t2_EOTEnterGainX_HwDeg_u12p4[2][2] | 2544        |
| t2_EOTEnterGainX_HwDeg_u12p4[2][3] | 2560        |
| t2_EOTEnterGainX_HwDeg_u12p4[3][0] | 256         |
| t2_EOTEnterGainX_HwDeg_u12p4[3][1] | 752         |
| t2_EOTEnterGainX_HwDeg_u12p4[3][2] | 768         |
| t2_EOTEnterGainX_HwDeg_u12p4[3][3] | 784         |
| t2_EOTEnterGainY_Uls_u1p15[0][0]   | 5           |
| t2_EOTEnterGainY_Uls_u1p15[0][1]   | 6           |
| t2_EOTEnterGainY_Uls_u1p15[0][2]   | 39          |
| t2_EOTEnterGainY_Uls_u1p15[0][3]   | 383         |
| t2_EOTEnterGainY_Uls_u1p15[1][0]   | 6           |
| t2_EOTEnterGainY_Uls_u1p15[1][1]   | 7           |
| t2_EOTEnterGainY_Uls_u1p15[1][2]   | 69          |
| t2_EOTEnterGainY_Uls_u1p15[1][3]   | 668         |
| t2_EOTEnterGainY_Uls_u1p15[2][0]   | 6           |
| t2_EOTEnterGainY_Uls_u1p15[2][1]   | 7           |
| t2_EOTEnterGainY_Uls_u1p15[2][2]   | 59          |
| t2_EOTEnterGainY_Uls_u1p15[2][3]   | 573         |
| t2_EOTEnterGainY_Uls_u1p15[3][0]   | 8           |

2015-06-29, 18:37:20+0530



| Name                             | Input Value  |                          |        |
|----------------------------------|--------------|--------------------------|--------|
| t2_EOTEnterGainY_Uls_u1p15[3][1] | 9            |                          |        |
| t2_EOTEnterGainY_Uls_u1p15[3][2] | 118          |                          |        |
| t2_EOTEnterGainY_Uls_u1p15[3][3] | 1144         |                          |        |
| t_EOTEnterGainVspd_Kph_u9p7[0]   | 640          |                          |        |
| t_EOTEnterGainVspd_Kph_u9p7[1]   | 1792         |                          |        |
| t_EOTEnterGainVspd_Kph_u9p7[2]   | 1920         |                          |        |
| t_EOTEnterGainVspd_Kph_u9p7[3]   | 2048         |                          |        |
| Name                             | Actual Value | Expected Value           | Result |
| SES_CalcEnterGain()              | 0.0349121094 | 0.0349121094 ± 0.0078125 | ~      |

| T                               |       |                                 |       |        |
|---------------------------------|-------|---------------------------------|-------|--------|
| Actual Function                 | Count | Expected Function               | Count | Result |
| BilinearXMYM_u16_u16XMu16YM_Cnt | 1     | BilinearXMYM_u16_u16XMu16YM_Cnt | 1     | ~      |

| Test Step 2.6 (Repeat Count = 1)   |              |                          | ✓      |
|------------------------------------|--------------|--------------------------|--------|
| Name                               | Input Value  |                          |        |
| EOTActuatorMng_SESState_Uls_M_enum | SES_ENTERING |                          |        |
| HandWheelPos_HwDeg_T_f32           | 900.323975   |                          |        |
| LimitPosition HwDeg T f32          | -1440.10999  |                          |        |
| VehicleSpeed Kph T f32             | 50.1591988   |                          |        |
| t2 EOTEnterGainX HwDeg u12p4[0][0] | 112          |                          |        |
| t2_EOTEnterGainX_HwDeg_u12p4[0][1] | 320          |                          |        |
| t2_EOTEnterGainX_HwDeg_u12p4[0][2] | 336          |                          |        |
| t2 EOTEnterGainX HwDeg u12p4[0][3] | 352          |                          |        |
| t2_EOTEnterGainX_HwDeg_u12p4[1][0] | 720          |                          |        |
| t2_EOTEnterGainX_HwDeg_u12p4[1][1] | 2144         |                          |        |
| t2_EOTEnterGainX_HwDeg_u12p4[1][2] | 2160         |                          |        |
| t2_EOTEnterGainX_HwDeg_u12p4[1][3] | 2176         |                          |        |
| t2_EOTEnterGainX_HwDeg_u12p4[2][0] | 864          |                          |        |
| t2_EOTEnterGainX_HwDeg_u12p4[2][1] | 2576         |                          |        |
| t2_EOTEnterGainX_HwDeg_u12p4[2][2] | 2592         |                          |        |
| t2 EOTEnterGainX HwDeg u12p4[2][3] | 2608         |                          |        |
| t2_EOTEnterGainX_HwDeg_u12p4[3][0] | 272          |                          |        |
| t2_EOTEnterGainX_HwDeg_u12p4[3][1] | 800          |                          |        |
| t2_EOTEnterGainX_HwDeg_u12p4[3][2] | 816          |                          |        |
| t2_EOTEnterGainX_HwDeg_u12p4[3][3] | 832          |                          |        |
| t2_EOTEnterGainY_Uls_u1p15[0][0]   | 6            |                          |        |
| t2_EOTEnterGainY_Uls_u1p15[0][1]   | 6            |                          |        |
| t2_EOTEnterGainY_Uls_u1p15[0][2]   | 49           |                          |        |
| t2_EOTEnterGainY_Uls_u1p15[0][3]   | 478          |                          |        |
| t2_EOTEnterGainY_Uls_u1p15[1][0]   | 7            |                          |        |
| t2_EOTEnterGainY_Uls_u1p15[1][1]   | 7            |                          |        |
| t2_EOTEnterGainY_Uls_u1p15[1][2]   | 78           |                          |        |
| t2_EOTEnterGainY_Uls_u1p15[1][3]   | 763          |                          |        |
| t2_EOTEnterGainY_Uls_u1p15[2][0]   | 6            |                          |        |
| t2_EOTEnterGainY_Uls_u1p15[2][1]   | 7            |                          |        |
| t2_EOTEnterGainY_Uls_u1p15[2][2]   | 69           |                          |        |
| t2_EOTEnterGainY_Uls_u1p15[2][3]   | 668          |                          |        |
| t2_EOTEnterGainY_Uls_u1p15[3][0]   | 8            |                          |        |
| t2_EOTEnterGainY_Uls_u1p15[3][1]   | 9            |                          |        |
| t2_EOTEnterGainY_Uls_u1p15[3][2]   | 127          |                          |        |
| t2_EOTEnterGainY_Uls_u1p15[3][3]   | 1239         |                          |        |
| t_EOTEnterGainVspd_Kph_u9p7[0]     | 768          |                          |        |
| t_EOTEnterGainVspd_Kph_u9p7[1]     | 2176         |                          |        |
| t_EOTEnterGainVspd_Kph_u9p7[2]     | 2304         |                          |        |
| t_EOTEnterGainVspd_Kph_u9p7[3]     | 2432         |                          |        |
| Name                               | Actual Value | Expected Value           | Result |
| SES_CalcEnterGain()                | 0.0378112793 | 0.0378112793 ± 0.0078125 | ~      |

| Τ                               |       |                                 |       | <b>~</b> |
|---------------------------------|-------|---------------------------------|-------|----------|
| Actual Function                 | Count | Expected Function               | Count | Result   |
| RilinearXMYM_u16_u16XMu16YM_Cnt | 1     | RilinearXMYM_u16_u16XMu16YM_Cnt | 1     | _        |

| Test Step 2.7 (Repeat Count = 1)   | 🗸           |
|------------------------------------|-------------|
| Name                               | Input Value |
| EOTActuatorMng_SESState_Uls_M_enum | SES_NORMAL  |

2015-06-29, 18:37:20+0530



| Name                               | Input Value  |                          |       |
|------------------------------------|--------------|--------------------------|-------|
| HandWheelPos_HwDeg_T_f32           | -900.156006  |                          |       |
| LimitPosition_HwDeg_T_f32          | 1440.10999   |                          |       |
| VehicleSpeed_Kph_T_f32             | 40.3569984   |                          |       |
| t2_EOTEnterGainX_HwDeg_u12p4[0][0] | 128          |                          |       |
| t2_EOTEnterGainX_HwDeg_u12p4[0][1] | 368          |                          |       |
| t2_EOTEnterGainX_HwDeg_u12p4[0][2] | 384          |                          |       |
| t2_EOTEnterGainX_HwDeg_u12p4[0][3] | 400          |                          |       |
| t2_EOTEnterGainX_HwDeg_u12p4[1][0] | 736          |                          |       |
| t2_EOTEnterGainX_HwDeg_u12p4[1][1] | 2192         |                          |       |
| t2_EOTEnterGainX_HwDeg_u12p4[1][2] | 2208         |                          |       |
| t2_EOTEnterGainX_HwDeg_u12p4[1][3] | 2224         |                          |       |
| t2_EOTEnterGainX_HwDeg_u12p4[2][0] | 880          |                          |       |
| t2_EOTEnterGainX_HwDeg_u12p4[2][1] | 2624         |                          |       |
| t2_EOTEnterGainX_HwDeg_u12p4[2][2] | 2640         |                          |       |
| t2_EOTEnterGainX_HwDeg_u12p4[2][3] | 2656         |                          |       |
| t2_EOTEnterGainX_HwDeg_u12p4[3][0] | 288          |                          |       |
| t2_EOTEnterGainX_HwDeg_u12p4[3][1] | 848          |                          |       |
| t2_EOTEnterGainX_HwDeg_u12p4[3][2] | 864          |                          |       |
| t2_EOTEnterGainX_HwDeg_u12p4[3][3] | 880          |                          |       |
| t2_EOTEnterGainY_Uls_u1p15[0][0]   | 6            |                          |       |
| t2_EOTEnterGainY_Uls_u1p15[0][1]   | 7            |                          |       |
| t2_EOTEnterGainY_Uls_u1p15[0][2]   | 59           |                          |       |
| t2_EOTEnterGainY_Uls_u1p15[0][3]   | 573          |                          |       |
| t2_EOTEnterGainY_Uls_u1p15[1][0]   | 7            |                          |       |
| t2_EOTEnterGainY_Uls_u1p15[1][1]   | 8            |                          |       |
| t2_EOTEnterGainY_Uls_u1p15[1][2]   | 88           |                          |       |
| t2_EOTEnterGainY_Uls_u1p15[1][3]   | 859          |                          |       |
| t2_EOTEnterGainY_Uls_u1p15[2][0]   | 7            |                          |       |
| t2_EOTEnterGainY_Uls_u1p15[2][1]   | 7            |                          |       |
| t2_EOTEnterGainY_Uls_u1p15[2][2]   | 78           |                          |       |
| t2_EOTEnterGainY_Uls_u1p15[2][3]   | 763          |                          |       |
| t2_EOTEnterGainY_Uls_u1p15[3][0]   | 9            |                          |       |
| t2_EOTEnterGainY_Uls_u1p15[3][1]   | 9            |                          |       |
| t2_EOTEnterGainY_Uls_u1p15[3][2]   | 137          |                          |       |
| t2_EOTEnterGainY_Uls_u1p15[3][3]   | 1334         |                          |       |
| t_EOTEnterGainVspd_Kph_u9p7[0]     | 896          |                          |       |
| t_EOTEnterGainVspd_Kph_u9p7[1]     | 2560         |                          |       |
| t_EOTEnterGainVspd_Kph_u9p7[2]     | 2688         |                          |       |
| t_EOTEnterGainVspd_Kph_u9p7[3]     | 2816         |                          |       |
| Name                               | Actual Value | Expected Value           | Resul |
| SES CalcEnterGain()                | 0.0407104492 | 0.0407104492 ± 0.0078125 |       |

| T                               |       |                                 |       | V      |
|---------------------------------|-------|---------------------------------|-------|--------|
| Actual Function                 | Count | Expected Function               | Count | Result |
| BilinearXMYM_u16_u16XMu16YM_Cnt | 1     | BilinearXMYM_u16_u16XMu16YM_Cnt | 1     | ~      |

| Test Step 2.8 (Repeat Count = 1)   |              | ~ |
|------------------------------------|--------------|---|
| Name                               | Input Value  |   |
| EOTActuatorMng_SESState_Uls_M_enum | SES_ENTERING |   |
| HandWheelPos_HwDeg_T_f32           | 0            |   |
| LimitPosition_HwDeg_T_f32          | 0            |   |
| VehicleSpeed_Kph_T_f32             | 30.1541996   |   |
| t2_EOTEnterGainX_HwDeg_u12p4[0][0] | 144          |   |
| t2_EOTEnterGainX_HwDeg_u12p4[0][1] | 416          |   |
| t2_EOTEnterGainX_HwDeg_u12p4[0][2] | 432          |   |
| t2_EOTEnterGainX_HwDeg_u12p4[0][3] | 448          |   |
| t2_EOTEnterGainX_HwDeg_u12p4[1][0] | 752          |   |
| t2_EOTEnterGainX_HwDeg_u12p4[1][1] | 2240         |   |
| t2_EOTEnterGainX_HwDeg_u12p4[1][2] | 2256         |   |
| t2_EOTEnterGainX_HwDeg_u12p4[1][3] | 2272         |   |
| t2_EOTEnterGainX_HwDeg_u12p4[2][0] | 896          |   |
| t2_EOTEnterGainX_HwDeg_u12p4[2][1] | 2672         |   |
| t2_EOTEnterGainX_HwDeg_u12p4[2][2] | 2688         |   |
| t2_EOTEnterGainX_HwDeg_u12p4[2][3] | 2704         |   |
| t2_EOTEnterGainX_HwDeg_u12p4[3][0] | 304          |   |
| t2_EOTEnterGainX_HwDeg_u12p4[3][1] | 896          |   |
| t2_EOTEnterGainX_HwDeg_u12p4[3][2] | 912          |   |
| t2_EOTEnterGainX_HwDeg_u12p4[3][3] | 928          |   |
| t2_EOTEnterGainY_Uls_u1p15[0][0]   | 6            |   |
| t2_EOTEnterGainY_Uls_u1p15[0][1]   | 7            |   |

2015-06-29, 18:37:20+0530



| Name                             | Input Value    |                            |        |
|----------------------------------|----------------|----------------------------|--------|
| t2_EOTEnterGainY_Uls_u1p15[0][2] | 69             |                            |        |
| t2_EOTEnterGainY_Uls_u1p15[0][3] | 668            |                            |        |
| t2_EOTEnterGainY_Uls_u1p15[1][0] | 7              |                            |        |
| t2_EOTEnterGainY_Uls_u1p15[1][1] | 8              |                            |        |
| t2_EOTEnterGainY_Uls_u1p15[1][2] | 98             |                            |        |
| t2_EOTEnterGainY_Uls_u1p15[1][3] | 954            |                            |        |
| t2_EOTEnterGainY_Uls_u1p15[2][0] | 7              |                            |        |
| t2_EOTEnterGainY_Uls_u1p15[2][1] | 8              |                            |        |
| t2_EOTEnterGainY_Uls_u1p15[2][2] | 88             |                            |        |
| t2_EOTEnterGainY_Uls_u1p15[2][3] | 859            |                            |        |
| t2_EOTEnterGainY_Uls_u1p15[3][0] | 9              |                            |        |
| t2_EOTEnterGainY_Uls_u1p15[3][1] | 10             |                            |        |
| t2_EOTEnterGainY_Uls_u1p15[3][2] | 147            |                            |        |
| t2_EOTEnterGainY_Uls_u1p15[3][3] | 1429           |                            |        |
| t_EOTEnterGainVspd_Kph_u9p7[0]   | 1024           |                            |        |
| t_EOTEnterGainVspd_Kph_u9p7[1]   | 2944           |                            |        |
| t_EOTEnterGainVspd_Kph_u9p7[2]   | 3072           |                            |        |
| t_EOTEnterGainVspd_Kph_u9p7[3]   | 3200           |                            |        |
| Name                             | Actual Value   | Expected Value             | Result |
| SES_CalcEnterGain()              | 0.000274658203 | 0.000274657999 ± 0.0078125 | ~      |

| T                               |       |                                 |       |     | V   |
|---------------------------------|-------|---------------------------------|-------|-----|-----|
| Actual Function                 | Count | Expected Function               | Count | Res | ult |
| BilinearXMYM_u16_u16XMu16YM_Cnt | 1     | BilinearXMYM_u16_u16XMu16YM_Cnt | 1     |     | •   |

| Test Step 2.9 (Repeat Count = 1)   |               |                           | ✓       |
|------------------------------------|---------------|---------------------------|---------|
| Name                               | Input Value   |                           |         |
| EOTActuatorMng_SESState_Uls_M_enum | SES NORMAL    |                           |         |
| HandWheelPos HwDeg T f32           | -800.039978   |                           |         |
| LimitPosition HwDeg T f32          | 900.099976    |                           |         |
| VehicleSpeed Kph T f32             | 20.1340008    |                           |         |
| t2_EOTEnterGainX_HwDeg_u12p4[0][0] | 160           |                           |         |
| t2_EOTEnterGainX_HwDeg_u12p4[0][1] | 464           |                           |         |
| t2 EOTEnterGainX HwDeg u12p4[0][2] | 480           |                           |         |
| t2 EOTEnterGainX HwDeg u12p4[0][3] | 496           |                           |         |
| t2_EOTEnterGainX_HwDeg_u12p4[1][0] | 768           |                           |         |
| t2_EOTEnterGainX_HwDeg_u12p4[1][1] | 2288          |                           |         |
| t2 EOTEnterGainX HwDeg u12p4[1][2] | 2304          |                           |         |
| t2 EOTEnterGainX HwDeg u12p4[1][3] | 2320          |                           |         |
| t2_EOTEnterGainX_HwDeg_u12p4[2][0] | 912           |                           |         |
| t2_EOTEnterGainX_HwDeg_u12p4[2][1] | 2720          |                           |         |
| t2_EOTEnterGainX_HwDeg_u12p4[2][2] | 2736          |                           |         |
| t2 EOTEnterGainX HwDeg u12p4[2][3] | 2752          |                           |         |
| t2_EOTEnterGainX_HwDeg_u12p4[3][0] | 320           |                           |         |
| t2_EOTEnterGainX_HwDeg_u12p4[3][1] | 944           |                           |         |
| t2_EOTEnterGainX_HwDeg_u12p4[3][2] | 960           |                           |         |
| t2_EOTEnterGainX_HwDeg_u12p4[3][3] | 976           |                           |         |
| t2 EOTEnterGainY Uls u1p15[0][0]   | 7             |                           |         |
| t2 EOTEnterGainY Uls u1p15[0][1]   | 7             |                           |         |
| t2 EOTEnterGainY Uls u1p15[0][2]   | 78            |                           |         |
| t2_EOTEnterGainY_Uls_u1p15[0][3]   | 763           |                           |         |
| t2 EOTEnterGainY Uls u1p15[1][0]   | 8             |                           |         |
| t2_EOTEnterGainY_Uls_u1p15[1][1]   | 8             |                           |         |
| t2_EOTEnterGainY_Uls_u1p15[1][2]   | 108           |                           |         |
| t2_EOTEnterGainY_Uls_u1p15[1][3]   | 1049          |                           |         |
| t2_EOTEnterGainY_Uls_u1p15[2][0]   | 7             |                           |         |
| t2 EOTEnterGainY Uls u1p15[2][1]   | 8             |                           |         |
| t2 EOTEnterGainY Uls u1p15[2][2]   | 98            |                           |         |
| t2_EOTEnterGainY_Uls_u1p15[2][3]   | 954           |                           |         |
| t2_EOTEnterGainY_Uls_u1p15[3][0]   | 9             |                           |         |
| t2 EOTEnterGainY Uls u1p15[3][1]   | 10            |                           |         |
| t2_EOTEnterGainY_Uls_u1p15[3][2]   | 157           |                           |         |
| t2_EOTEnterGainY_Uls_u1p15[3][3]   | 1524          |                           |         |
| t_EOTEnterGainVspd_Kph_u9p7[0]     | 1152          |                           |         |
| t_EOTEnterGainVspd_Kph_u9p7[1]     | 3328          |                           |         |
| t_EOTEnterGainVspd_Kph_u9p7[2]     | 3456          |                           |         |
| t_EOTEnterGainVspd_Kph_u9p7[3]     | 3584          |                           |         |
| Name                               | Actual Value  | Expected Value            | Result  |
| SES CalcEnterGain()                | 0.00820922852 | 0.00820922945 ± 0.0078125 | - 100an |



| T                               |       |                                 |       | V      |
|---------------------------------|-------|---------------------------------|-------|--------|
| Actual Function                 | Count | Expected Function               | Count | Result |
| BilinearXMYM_u16_u16XMu16YM_Cnt | 1     | BilinearXMYM_u16_u16XMu16YM_Cnt | 1     | ~      |

| Test Step 2.10 (Repeat Count = 1)  |              |                          | ✓      |
|------------------------------------|--------------|--------------------------|--------|
| Name                               | Input Value  |                          |        |
| EOTActuatorMng_SESState_Uls_M_enum | SES ENTERING |                          |        |
| HandWheelPos HwDeg T f32           | 700.539978   |                          |        |
| LimitPosition HwDeg T f32          | -900.099976  |                          |        |
| VehicleSpeed Kph T f32             | 10.9870005   |                          |        |
| t2 EOTEnterGainX HwDeg u12p4[0][0] | 176          |                          |        |
| t2_EOTEnterGainX_HwDeg_u12p4[0][1] | 512          |                          |        |
| t2_EOTEnterGainX_HwDeg_u12p4[0][2] | 528          |                          |        |
| t2_EOTEnterGainX_HwDeg_u12p4[0][3] | 544          |                          |        |
| t2_EOTEnterGainX_HwDeg_u12p4[1][0] | 784          |                          |        |
| t2_EOTEnterGainX_HwDeg_u12p4[1][1] | 2336         |                          |        |
| t2_EOTEnterGainX_HwDeg_u12p4[1][2] | 2352         |                          |        |
| t2_EOTEnterGainX_HwDeg_u12p4[1][3] | 2368         |                          |        |
| t2_EOTEnterGainX_HwDeg_u12p4[2][0] | 928          |                          |        |
| t2_EOTEnterGainX_HwDeg_u12p4[2][1] | 2768         |                          |        |
| t2_EOTEnterGainX_HwDeg_u12p4[2][2] | 2784         |                          |        |
| t2_EOTEnterGainX_HwDeg_u12p4[2][3] | 2800         |                          |        |
| t2_EOTEnterGainX_HwDeg_u12p4[3][0] | 336          |                          |        |
| t2_EOTEnterGainX_HwDeg_u12p4[3][1] | 992          |                          |        |
| t2_EOTEnterGainX_HwDeg_u12p4[3][2] | 1008         |                          |        |
| t2_EOTEnterGainX_HwDeg_u12p4[3][3] | 1024         |                          |        |
| t2_EOTEnterGainY_Uls_u1p15[0][0]   | 7            |                          |        |
| t2_EOTEnterGainY_Uls_u1p15[0][1]   | 8            |                          |        |
| t2_EOTEnterGainY_Uls_u1p15[0][2]   | 88           |                          |        |
| t2_EOTEnterGainY_Uls_u1p15[0][3]   | 859          |                          |        |
| t2_EOTEnterGainY_Uls_u1p15[1][0]   | 8            |                          |        |
| t2_EOTEnterGainY_Uls_u1p15[1][1]   | 9            |                          |        |
| t2_EOTEnterGainY_Uls_u1p15[1][2]   | 118          |                          |        |
| t2_EOTEnterGainY_Uls_u1p15[1][3]   | 1144         |                          |        |
| t2_EOTEnterGainY_Uls_u1p15[2][0]   | 8            |                          |        |
| t2_EOTEnterGainY_Uls_u1p15[2][1]   | 8            |                          |        |
| t2_EOTEnterGainY_Uls_u1p15[2][2]   | 108          |                          |        |
| t2_EOTEnterGainY_Uls_u1p15[2][3]   | 1049         |                          |        |
| t2_EOTEnterGainY_Uls_u1p15[3][0]   | 10           |                          |        |
| t2_EOTEnterGainY_Uls_u1p15[3][1]   | 10           |                          |        |
| t2_EOTEnterGainY_Uls_u1p15[3][2]   | 167          |                          |        |
| t2_EOTEnterGainY_Uls_u1p15[3][3]   | 1619         |                          |        |
| t_EOTEnterGainVspd_Kph_u9p7[0]     | 1280         |                          |        |
| t_EOTEnterGainVspd_Kph_u9p7[1]     | 3712         |                          |        |
| t_EOTEnterGainVspd_Kph_u9p7[2]     | 3840         |                          |        |
| t_EOTEnterGainVspd_Kph_u9p7[3]     | 3968         |                          |        |
| Name                               | Actual Value | Expected Value           | Result |
| SES_CalcEnterGain()                | 0.0266723633 | 0.0266723633 ± 0.0078125 | ~      |

| T                               |       |                                 |       | <b>✓</b> |
|---------------------------------|-------|---------------------------------|-------|----------|
| Actual Function                 | Count | Expected Function               | Count | Result   |
| BilinearXMYM u16 u16XMu16YM Cnt | 1     | BilinearXMYM u16 u16XMu16YM Cnt | 1     | _        |

| Test Step 2.11 (Repeat Count = 1)  |             | <b>~</b> |
|------------------------------------|-------------|----------|
| Name                               | Input Value |          |
| EOTActuatorMng_SESState_Uls_M_enum | SES_NORMAL  |          |
| HandWheelPos_HwDeg_T_f32           | -700.320007 |          |
| LimitPosition_HwDeg_T_f32          | -1100.34998 |          |
| VehicleSpeed_Kph_T_f32             | 0           |          |
| t2_EOTEnterGainX_HwDeg_u12p4[0][0] | 192         |          |
| t2_EOTEnterGainX_HwDeg_u12p4[0][1] | 560         |          |
| t2_EOTEnterGainX_HwDeg_u12p4[0][2] | 576         |          |
| t2_EOTEnterGainX_HwDeg_u12p4[0][3] | 592         |          |
| t2_EOTEnterGainX_HwDeg_u12p4[1][0] | 800         |          |
| t2_EOTEnterGainX_HwDeg_u12p4[1][1] | 2384        |          |
| t2_EOTEnterGainX_HwDeg_u12p4[1][2] | 2400        |          |
| t2_EOTEnterGainX_HwDeg_u12p4[1][3] | 2416        |          |

2015-06-29, 18:37:20+0530



| Name                               | Input Value  |                          |        |
|------------------------------------|--------------|--------------------------|--------|
| t2_EOTEnterGainX_HwDeg_u12p4[2][0] | 944          |                          |        |
| t2_EOTEnterGainX_HwDeg_u12p4[2][1] | 2816         |                          |        |
| t2_EOTEnterGainX_HwDeg_u12p4[2][2] | 2832         |                          |        |
| t2_EOTEnterGainX_HwDeg_u12p4[2][3] | 2848         |                          |        |
| t2_EOTEnterGainX_HwDeg_u12p4[3][0] | 352          |                          |        |
| t2_EOTEnterGainX_HwDeg_u12p4[3][1] | 1040         |                          |        |
| t2_EOTEnterGainX_HwDeg_u12p4[3][2] | 1056         |                          |        |
| t2_EOTEnterGainX_HwDeg_u12p4[3][3] | 1072         |                          |        |
| t2_EOTEnterGainY_Uls_u1p15[0][0]   | 7            |                          |        |
| t2_EOTEnterGainY_Uls_u1p15[0][1]   | 8            |                          |        |
| t2_EOTEnterGainY_Uls_u1p15[0][2]   | 98           |                          |        |
| t2_EOTEnterGainY_Uls_u1p15[0][3]   | 954          |                          |        |
| t2_EOTEnterGainY_Uls_u1p15[1][0]   | 8            |                          |        |
| t2_EOTEnterGainY_Uls_u1p15[1][1]   | 9            |                          |        |
| t2_EOTEnterGainY_Uls_u1p15[1][2]   | 127          |                          |        |
| t2_EOTEnterGainY_Uls_u1p15[1][3]   | 1239         |                          |        |
| t2_EOTEnterGainY_Uls_u1p15[2][0]   | 8            |                          |        |
| t2_EOTEnterGainY_Uls_u1p15[2][1]   | 9            |                          |        |
| t2_EOTEnterGainY_Uls_u1p15[2][2]   | 118          |                          |        |
| t2_EOTEnterGainY_Uls_u1p15[2][3]   | 1144         |                          |        |
| t2_EOTEnterGainY_Uls_u1p15[3][0]   | 10           |                          |        |
| t2_EOTEnterGainY_Uls_u1p15[3][1]   | 10           |                          |        |
| t2_EOTEnterGainY_Uls_u1p15[3][2]   | 176          |                          |        |
| t2_EOTEnterGainY_Uls_u1p15[3][3]   | 1714         |                          |        |
| t_EOTEnterGainVspd_Kph_u9p7[0]     | 1408         |                          |        |
| t_EOTEnterGainVspd_Kph_u9p7[1]     | 4096         |                          |        |
| t_EOTEnterGainVspd_Kph_u9p7[2]     | 4224         |                          |        |
| t_EOTEnterGainVspd_Kph_u9p7[3]     | 4352         |                          |        |
| Name                               | Actual Value | Expected Value           | Result |
| SES_CalcEnterGain()                | 0.0291137695 | 0.0291137695 ± 0.0078125 | ~      |

| Τ                               |       |                                 |       | V      |
|---------------------------------|-------|---------------------------------|-------|--------|
| Actual Function                 | Count | Expected Function               | Count | Result |
| BilinearXMYM u16 u16XMu16YM Cnt | 1     | BilinearXMYM u16 u16XMu16YM Cnt | 1     | ~      |

| Test Step 2.12 (Repeat Count = 1)  |              |
|------------------------------------|--------------|
| Name                               | Input Value  |
| EOTActuatorMng_SESState_Uls_M_enum | SES_ENTERING |
| HandWheelPos_HwDeg_T_f32           | 800.97998    |
| LimitPosition_HwDeg_T_f32          | 700.23999    |
| VehicleSpeed_Kph_T_f32             | 511.992188   |
| t2_EOTEnterGainX_HwDeg_u12p4[0][0] | 208          |
| t2_EOTEnterGainX_HwDeg_u12p4[0][1] | 608          |
| t2_EOTEnterGainX_HwDeg_u12p4[0][2] | 624          |
| t2_EOTEnterGainX_HwDeg_u12p4[0][3] | 640          |
| t2_EOTEnterGainX_HwDeg_u12p4[1][0] | 816          |
| t2_EOTEnterGainX_HwDeg_u12p4[1][1] | 2432         |
| t2_EOTEnterGainX_HwDeg_u12p4[1][2] | 2448         |
| t2_EOTEnterGainX_HwDeg_u12p4[1][3] | 2464         |
| t2_EOTEnterGainX_HwDeg_u12p4[2][0] | 960          |
| t2_EOTEnterGainX_HwDeg_u12p4[2][1] | 2864         |
| t2_EOTEnterGainX_HwDeg_u12p4[2][2] | 2880         |
| t2_EOTEnterGainX_HwDeg_u12p4[2][3] | 2896         |
| t2_EOTEnterGainX_HwDeg_u12p4[3][0] | 368          |
| t2_EOTEnterGainX_HwDeg_u12p4[3][1] | 1088         |
| t2_EOTEnterGainX_HwDeg_u12p4[3][2] | 1104         |
| t2_EOTEnterGainX_HwDeg_u12p4[3][3] | 1120         |
| t2_EOTEnterGainY_Uls_u1p15[0][0]   | 8            |
| t2_EOTEnterGainY_Uls_u1p15[0][1]   | 8            |
| t2_EOTEnterGainY_Uls_u1p15[0][2]   | 108          |
| t2_EOTEnterGainY_Uls_u1p15[0][3]   | 1049         |
| t2_EOTEnterGainY_Uls_u1p15[1][0]   | 9            |
| t2_EOTEnterGainY_Uls_u1p15[1][1]   | 9            |
| t2_EOTEnterGainY_Uls_u1p15[1][2]   | 137          |
| t2_EOTEnterGainY_Uls_u1p15[1][3]   | 1334         |
| t2_EOTEnterGainY_Uls_u1p15[2][0]   | 8            |
| t2_EOTEnterGainY_Uls_u1p15[2][1]   | 9            |
| t2_EOTEnterGainY_Uls_u1p15[2][2]   | 127          |
| t2_EOTEnterGainY_Uls_u1p15[2][3]   | 1239         |
| t2_EOTEnterGainY_Uls_u1p15[3][0]   | 10           |

2015-06-29, 18:37:20+0530



| Name                             | Innut Value    |                            |        |
|----------------------------------|----------------|----------------------------|--------|
| Name                             | Input Value    |                            |        |
| t2_EOTEnterGainY_Uls_u1p15[3][1] | 11             |                            |        |
| t2_EOTEnterGainY_Uls_u1p15[3][2] | 186            |                            |        |
| t2_EOTEnterGainY_Uls_u1p15[3][3] | 1809           |                            |        |
| t_EOTEnterGainVspd_Kph_u9p7[0]   | 1536           |                            |        |
| t_EOTEnterGainVspd_Kph_u9p7[1]   | 4480           |                            |        |
| t_EOTEnterGainVspd_Kph_u9p7[2]   | 4608           |                            |        |
| t_EOTEnterGainVspd_Kph_u9p7[3]   | 4736           |                            |        |
| Name                             | Actual Value   | Expected Value             | Result |
| SES_CalcEnterGain()              | 0.000305175781 | 0.000305176014 ± 0.0078125 | ~      |

| T                               |       |                                 |       |        |
|---------------------------------|-------|---------------------------------|-------|--------|
| Actual Function                 | Count | Expected Function               | Count | Result |
| BilinearXMYM_u16_u16XMu16YM_Cnt | 1     | BilinearXMYM_u16_u16XMu16YM_Cnt | 1     | ~      |

| Test Step 2.13 (Repeat Count = 1)  |              |                          | ✓      |
|------------------------------------|--------------|--------------------------|--------|
| Name                               | Input Value  |                          |        |
| EOTActuatorMng_SESState_Uls_M_enum | SES_NORMAL   |                          |        |
| HandWheelPos_HwDeg_T_f32           | -600.460022  |                          |        |
| LimitPosition HwDeg T f32          | -800.150024  |                          |        |
| VehicleSpeed Kph T f32             | 400.100006   |                          |        |
| t2 EOTEnterGainX HwDeg u12p4[0][0] | 224          |                          |        |
| t2_EOTEnterGainX_HwDeg_u12p4[0][1] | 656          |                          |        |
| t2_EOTEnterGainX_HwDeg_u12p4[0][2] | 672          |                          |        |
| t2 EOTEnterGainX HwDeg u12p4[0][3] | 688          |                          |        |
| t2_EOTEnterGainX_HwDeg_u12p4[1][0] | 832          |                          |        |
| t2_EOTEnterGainX_HwDeg_u12p4[1][1] | 2480         |                          |        |
| t2_EOTEnterGainX_HwDeg_u12p4[1][2] | 2496         |                          |        |
| t2_EOTEnterGainX_HwDeg_u12p4[1][3] | 2512         |                          |        |
| t2_EOTEnterGainX_HwDeg_u12p4[2][0] | 976          |                          |        |
| t2_EOTEnterGainX_HwDeg_u12p4[2][1] | 2912         |                          |        |
| t2_EOTEnterGainX_HwDeg_u12p4[2][2] | 2928         |                          |        |
| t2 EOTEnterGainX HwDeg u12p4[2][3] | 2944         |                          |        |
| t2_EOTEnterGainX_HwDeg_u12p4[3][0] | 384          |                          |        |
| t2_EOTEnterGainX_HwDeg_u12p4[3][1] | 1136         |                          |        |
| t2_EOTEnterGainX_HwDeg_u12p4[3][2] | 1152         |                          |        |
| t2_EOTEnterGainX_HwDeg_u12p4[3][3] | 1168         |                          |        |
| t2_EOTEnterGainY_Uls_u1p15[0][0]   | 8            |                          |        |
| t2_EOTEnterGainY_Uls_u1p15[0][1]   | 9            |                          |        |
| t2_EOTEnterGainY_Uls_u1p15[0][2]   | 118          |                          |        |
| t2_EOTEnterGainY_Uls_u1p15[0][3]   | 1144         |                          |        |
| t2_EOTEnterGainY_Uls_u1p15[1][0]   | 9            |                          |        |
| t2_EOTEnterGainY_Uls_u1p15[1][1]   | 10           |                          |        |
| t2_EOTEnterGainY_Uls_u1p15[1][2]   | 147          |                          |        |
| t2_EOTEnterGainY_Uls_u1p15[1][3]   | 1429         |                          |        |
| t2_EOTEnterGainY_Uls_u1p15[2][0]   | 9            |                          |        |
| t2_EOTEnterGainY_Uls_u1p15[2][1]   | 9            |                          |        |
| t2_EOTEnterGainY_Uls_u1p15[2][2]   | 137          |                          |        |
| t2_EOTEnterGainY_Uls_u1p15[2][3]   | 1334         |                          |        |
| t2_EOTEnterGainY_Uls_u1p15[3][0]   | 10           |                          |        |
| t2_EOTEnterGainY_Uls_u1p15[3][1]   | 11           |                          |        |
| t2_EOTEnterGainY_Uls_u1p15[3][2]   | 196          |                          |        |
| t2_EOTEnterGainY_Uls_u1p15[3][3]   | 1904         |                          |        |
| t_EOTEnterGainVspd_Kph_u9p7[0]     | 1664         |                          |        |
| t_EOTEnterGainVspd_Kph_u9p7[1]     | 4864         |                          |        |
| t_EOTEnterGainVspd_Kph_u9p7[2]     | 4992         |                          |        |
| t_EOTEnterGainVspd_Kph_u9p7[3]     | 5120         |                          |        |
| Name                               | Actual Value | Expected Value           | Result |
| SES_CalcEnterGain()                | 0.0581054688 | 0.0581054688 ± 0.0078125 | ~      |

| T                               |       |                                 |       |      | <b>✓</b> |
|---------------------------------|-------|---------------------------------|-------|------|----------|
| Actual Function                 | Count | Expected Function               | Count | Resu | lt       |
| RilinearXMYM_u16_u16XMu16YM_Cnt | 1     | BilinearXMYM_u16_u16XMu16YM_Cnt | 1     |      | _        |

| Test Step 2.14 (Repeat Count = 1)  | 🗸            |
|------------------------------------|--------------|
| Name                               | Input Value  |
| EOTActuatorMng_SESState_Uls_M_enum | SES_DISABLED |

SES CalcEnterGain

t2\_EOTEnterGainY\_Uls\_u1p15[2][3]

t2\_EOTEnterGainY\_Uls\_u1p15[3][0]

t2 EOTEnterGainY Uls u1p15[3][1]

t2\_EOTEnterGainY\_Uls\_u1p15[3][2]

t2\_EOTEnterGainY\_Uls\_u1p15[3][3]

t\_EOTEnterGainVspd\_Kph\_u9p7[0]

t\_EOTEnterGainVspd\_Kph\_u9p7[1]

t\_EOTEnterGainVspd\_Kph\_u9p7[2]

t\_EOTEnterGainVspd\_Kph\_u9p7[3]

SES\_CalcEnterGain()

2015-06-29, 18:37:20+0530



Input Value HandWheelPos\_HwDeg\_T\_f32 500.339996 LimitPosition\_HwDeg\_T\_f32 200.979996 VehicleSpeed\_Kph\_T\_f32 200.024994 t2\_EOTEnterGainX\_HwDeg\_u12p4[0][0] t2\_EOTEnterGainX\_HwDeg\_u12p4[0][1] 704 t2\_EOTEnterGainX\_HwDeg\_u12p4[0][2] 720 t2\_EOTEnterGainX\_HwDeg\_u12p4[0][3] 736 t2\_EOTEnterGainX\_HwDeg\_u12p4[1][0] 848 t2\_EOTEnterGainX\_HwDeg\_u12p4[1][1] 2528 t2\_EOTEnterGainX\_HwDeg\_u12p4[1][2] 2544 t2\_EOTEnterGainX\_HwDeg\_u12p4[1][3] 2560 t2\_EOTEnterGainX\_HwDeg\_u12p4[2][0] 992 t2\_EOTEnterGainX\_HwDeg\_u12p4[2][1] 2960 t2 EOTEnterGainX\_HwDeg\_u12p4[2][2] 2976 t2\_EOTEnterGainX\_HwDeg\_u12p4[2][3] 2992 t2\_EOTEnterGainX\_HwDeg\_u12p4[3][0] 400 t2\_EOTEnterGainX\_HwDeg\_u12p4[3][1] 1184 t2\_EOTEnterGainX\_HwDeg\_u12p4[3][2] 1200 t2\_EOTEnterGainX\_HwDeg\_u12p4[3][3] 1216 t2\_EOTEnterGainY\_Uls\_u1p15[0][0] 8 t2\_EOTEnterGainY\_Uls\_u1p15[0][1] 9 t2\_EOTEnterGainY\_Uls\_u1p15[0][2] 127 t2\_EOTEnterGainY\_Uls\_u1p15[0][3] 1239 t2\_EOTEnterGainY\_Uls\_u1p15[1][0] 10 t2\_EOTEnterGainY\_Uls\_u1p15[1][1] t2\_EOTEnterGainY\_Uls\_u1p15[1][2] 157 t2\_EOTEnterGainY\_Uls\_u1p15[1][3] 1524 t2\_EOTEnterGainY\_Uls\_u1p15[2][0] 9 t2\_EOTEnterGainY\_Uls\_u1p15[2][1] 10 t2\_EOTEnterGainY\_Uls\_u1p15[2][2] 147

| T .             |       |                          |       |        |
|-----------------|-------|--------------------------|-------|--------|
| Actual Function | Count | Expected Function        | Count | Result |
| *none*          | 0     | *** No Call Expected *** | 0     | ~      |

**Expected Value** 

1 ± 0.0078125

1429

11

11

206

1999

1792

5248

5376

5504 Actual Value

| Test Step 2.15 (Repeat Count = 1)  |             | ✓ |
|------------------------------------|-------------|---|
| Name                               | Input Value |   |
| EOTActuatorMng_SESState_Uls_M_enum | SES_NORMAL  |   |
| HandWheelPos_HwDeg_T_f32           | 500.339996  |   |
| LimitPosition_HwDeg_T_f32          | 200.979996  |   |
| VehicleSpeed_Kph_T_f32             | 200.024994  |   |
| t2_EOTEnterGainX_HwDeg_u12p4[0][0] | 240         |   |
| t2_EOTEnterGainX_HwDeg_u12p4[0][1] | 704         |   |
| t2_EOTEnterGainX_HwDeg_u12p4[0][2] | 720         |   |
| t2_EOTEnterGainX_HwDeg_u12p4[0][3] | 736         |   |
| t2_EOTEnterGainX_HwDeg_u12p4[1][0] | 848         |   |
| t2_EOTEnterGainX_HwDeg_u12p4[1][1] | 2528        |   |
| t2_EOTEnterGainX_HwDeg_u12p4[1][2] | 2544        |   |
| t2_EOTEnterGainX_HwDeg_u12p4[1][3] | 2560        |   |
| t2_EOTEnterGainX_HwDeg_u12p4[2][0] | 992         |   |
| t2_EOTEnterGainX_HwDeg_u12p4[2][1] | 2960        |   |
| t2_EOTEnterGainX_HwDeg_u12p4[2][2] | 2976        |   |
| t2_EOTEnterGainX_HwDeg_u12p4[2][3] | 2992        |   |
| t2_EOTEnterGainX_HwDeg_u12p4[3][0] | 400         |   |
| t2_EOTEnterGainX_HwDeg_u12p4[3][1] | 1184        |   |
| t2_EOTEnterGainX_HwDeg_u12p4[3][2] | 1200        |   |
| t2_EOTEnterGainX_HwDeg_u12p4[3][3] | 1216        |   |
| t2_EOTEnterGainY_Uls_u1p15[0][0]   | 8           |   |
| t2_EOTEnterGainY_Uls_u1p15[0][1]   | 9           |   |

Result

2015-06-29, 18:37:20+0530



| Name                             | Input Value    |                           |        |
|----------------------------------|----------------|---------------------------|--------|
| t2_EOTEnterGainY_Uls_u1p15[0][2] | 127            |                           |        |
| t2_EOTEnterGainY_Uls_u1p15[0][3] | 1239           |                           |        |
| t2_EOTEnterGainY_Uls_u1p15[1][0] | 9              |                           |        |
| t2_EOTEnterGainY_Uls_u1p15[1][1] | 10             |                           |        |
| t2_EOTEnterGainY_Uls_u1p15[1][2] | 157            |                           |        |
| t2_EOTEnterGainY_Uls_u1p15[1][3] | 1524           |                           |        |
| t2_EOTEnterGainY_Uls_u1p15[2][0] | 9              |                           |        |
| t2_EOTEnterGainY_Uls_u1p15[2][1] | 10             |                           |        |
| t2_EOTEnterGainY_Uls_u1p15[2][2] | 147            |                           |        |
| t2_EOTEnterGainY_Uls_u1p15[2][3] | 1429           |                           |        |
| t2_EOTEnterGainY_Uls_u1p15[3][0] | 11             |                           |        |
| t2_EOTEnterGainY_Uls_u1p15[3][1] | 11             |                           |        |
| t2_EOTEnterGainY_Uls_u1p15[3][2] | 206            |                           |        |
| t2_EOTEnterGainY_Uls_u1p15[3][3] | 1999           |                           |        |
| t_EOTEnterGainVspd_Kph_u9p7[0]   | 1792           |                           |        |
| t_EOTEnterGainVspd_Kph_u9p7[1]   | 5248           |                           |        |
| t_EOTEnterGainVspd_Kph_u9p7[2]   | 5376           |                           |        |
| t_EOTEnterGainVspd_Kph_u9p7[3]   | 5504           |                           |        |
| Name                             | Actual Value   | Expected Value            | Result |
| SES_CalcEnterGain()              | 0.000335693359 | 0.00033569301 ± 0.0078125 | ~      |

| Τ                               |       |                                 |       | V      |
|---------------------------------|-------|---------------------------------|-------|--------|
| Actual Function                 | Count | Expected Function               | Count | Result |
| BilinearXMYM_u16_u16XMu16YM_Cnt | 1     | BilinearXMYM_u16_u16XMu16YM_Cnt | 1     | ~      |

| Test Step 2.16 (Repeat Count = 1)  |                               | <b>✓</b>  |
|------------------------------------|-------------------------------|-----------|
| Name                               | Input Value                   |           |
| EOTActuatorMng_SESState_Uls_M_enum | SES_ENTERING                  |           |
| HandWheelPos_HwDeg_T_f32           | -500.179993                   |           |
| LimitPosition_HwDeg_T_f32          | -600.159973                   |           |
| VehicleSpeed_Kph_T_f32             | 300.510406                    |           |
| t2_EOTEnterGainX_HwDeg_u12p4[0][0] | 256                           |           |
| t2_EOTEnterGainX_HwDeg_u12p4[0][1] | 752                           |           |
| t2_EOTEnterGainX_HwDeg_u12p4[0][2] | 768                           |           |
| t2_EOTEnterGainX_HwDeg_u12p4[0][3] | 784                           |           |
| t2_EOTEnterGainX_HwDeg_u12p4[1][0] | 864                           |           |
| t2_EOTEnterGainX_HwDeg_u12p4[1][1] | 2576                          |           |
| t2_EOTEnterGainX_HwDeg_u12p4[1][2] | 2592                          |           |
| t2_EOTEnterGainX_HwDeg_u12p4[1][3] | 2608                          |           |
| t2_EOTEnterGainX_HwDeg_u12p4[2][0] | 1008                          |           |
| t2_EOTEnterGainX_HwDeg_u12p4[2][1] | 3008                          |           |
| t2_EOTEnterGainX_HwDeg_u12p4[2][2] | 3024                          |           |
| t2_EOTEnterGainX_HwDeg_u12p4[2][3] | 3040                          |           |
| t2_EOTEnterGainX_HwDeg_u12p4[3][0] | 416                           |           |
| t2_EOTEnterGainX_HwDeg_u12p4[3][1] | 1232                          |           |
| t2_EOTEnterGainX_HwDeg_u12p4[3][2] | 1248                          |           |
| t2_EOTEnterGainX_HwDeg_u12p4[3][3] | 1264                          |           |
| t2_EOTEnterGainY_Uls_u1p15[0][0]   | 9                             |           |
| t2_EOTEnterGainY_Uls_u1p15[0][1]   | 9                             |           |
| t2_EOTEnterGainY_Uls_u1p15[0][2]   | 137                           |           |
| t2_EOTEnterGainY_Uls_u1p15[0][3]   | 1334                          |           |
| t2_EOTEnterGainY_Uls_u1p15[1][0]   | 10                            |           |
| t2_EOTEnterGainY_Uls_u1p15[1][1]   | 10                            |           |
| t2_EOTEnterGainY_Uls_u1p15[1][2]   | 167                           |           |
| t2_EOTEnterGainY_Uls_u1p15[1][3]   | 1619                          |           |
| t2_EOTEnterGainY_Uls_u1p15[2][0]   | 9                             |           |
| t2_EOTEnterGainY_Uls_u1p15[2][1]   | 10                            |           |
| t2_EOTEnterGainY_Uls_u1p15[2][2]   | 157                           |           |
| t2_EOTEnterGainY_Uls_u1p15[2][3]   | 1524                          |           |
| t2_EOTEnterGainY_Uls_u1p15[3][0]   | 11                            |           |
| t2_EOTEnterGainY_Uls_u1p15[3][1]   | 12                            |           |
| t2_EOTEnterGainY_Uls_u1p15[3][2]   | 216                           |           |
| t2_EOTEnterGainY_Uls_u1p15[3][3]   | 2094                          |           |
| t_EOTEnterGainVspd_Kph_u9p7[0]     | 1920                          |           |
| t_EOTEnterGainVspd_Kph_u9p7[1]     | 5632                          |           |
| t_EOTEnterGainVspd_Kph_u9p7[2]     | 5760                          |           |
| t_EOTEnterGainVspd_Kph_u9p7[3]     | 5888                          |           |
| Name                               | Actual Value Expected Value   | ue Result |
| SES_CalcEnterGain()                | 0.0639038086 ± 0.0639038086 ± | 0.0078125 |



| Τ                               |       |                                 |       | <b>✓</b> |
|---------------------------------|-------|---------------------------------|-------|----------|
| Actual Function                 | Count | Expected Function               | Count | Result   |
| BilinearXMYM_u16_u16XMu16YM_Cnt | 1     | BilinearXMYM_u16_u16XMu16YM_Cnt | 1     | ~        |

| Name                               | Input Value  |                          |       |
|------------------------------------|--------------|--------------------------|-------|
|                                    | put tuius    |                          |       |
| EOTActuatorMng_SESState_Uls_M_enum | SES_EXITING  |                          |       |
| HandWheelPos_HwDeg_T_f32           | -500.179993  |                          |       |
| LimitPosition_HwDeg_T_f32          | -600.159973  |                          |       |
| VehicleSpeed_Kph_T_f32             | 300.510406   |                          |       |
| 2_EOTEnterGainX_HwDeg_u12p4[0][0]  | 256          |                          |       |
| 2_EOTEnterGainX_HwDeg_u12p4[0][1]  | 752          |                          |       |
| 2_EOTEnterGainX_HwDeg_u12p4[0][2]  | 768          |                          |       |
| 2_EOTEnterGainX_HwDeg_u12p4[0][3]  | 784          |                          |       |
| 2_EOTEnterGainX_HwDeg_u12p4[1][0]  | 864          |                          |       |
| 2_EOTEnterGainX_HwDeg_u12p4[1][1]  | 2576         |                          |       |
| 2_EOTEnterGainX_HwDeg_u12p4[1][2]  | 2592         |                          |       |
| 2_EOTEnterGainX_HwDeg_u12p4[1][3]  | 2608         |                          |       |
| 2_EOTEnterGainX_HwDeg_u12p4[2][0]  | 1008         |                          |       |
| 2_EOTEnterGainX_HwDeg_u12p4[2][1]  | 3008         |                          |       |
| 2_EOTEnterGainX_HwDeg_u12p4[2][2]  | 3024         |                          |       |
| 2_EOTEnterGainX_HwDeg_u12p4[2][3]  | 3040         |                          |       |
| 2_EOTEnterGainX_HwDeg_u12p4[3][0]  | 416          |                          |       |
| 2_EOTEnterGainX_HwDeg_u12p4[3][1]  | 1232         |                          |       |
| 2_EOTEnterGainX_HwDeg_u12p4[3][2]  | 1248         |                          |       |
| 2_EOTEnterGainX_HwDeg_u12p4[3][3]  | 1264         |                          |       |
| 2_EOTEnterGainY_Uls_u1p15[0][0]    | 9            |                          |       |
| 2_EOTEnterGainY_Uls_u1p15[0][1]    | 9            |                          |       |
| 2_EOTEnterGainY_Uls_u1p15[0][2]    | 137          |                          |       |
| 2_EOTEnterGainY_Uls_u1p15[0][3]    | 1334         |                          |       |
| 2_EOTEnterGainY_Uls_u1p15[1][0]    | 10           |                          |       |
| 2_EOTEnterGainY_Uls_u1p15[1][1]    | 10           |                          |       |
| 2_EOTEnterGainY_Uls_u1p15[1][2]    | 167          |                          |       |
| 2_EOTEnterGainY_Uls_u1p15[1][3]    | 1619         |                          |       |
| 2_EOTEnterGainY_Uls_u1p15[2][0]    | 9            |                          |       |
| 2_EOTEnterGainY_Uls_u1p15[2][1]    | 10           |                          |       |
| 2_EOTEnterGainY_Uls_u1p15[2][2]    | 157          |                          |       |
| 2_EOTEnterGainY_Uls_u1p15[2][3]    | 1524         |                          |       |
| 2_EOTEnterGainY_Uls_u1p15[3][0]    | 11           |                          |       |
| 2_EOTEnterGainY_Uls_u1p15[3][1]    | 12           |                          |       |
| 2_EOTEnterGainY_Uls_u1p15[3][2]    | 216          |                          |       |
| 2_EOTEnterGainY_Uls_u1p15[3][3]    | 2094         |                          |       |
| _EOTEnterGainVspd_Kph_u9p7[0]      | 1920         |                          |       |
| <br>_EOTEnterGainVspd_Kph_u9p7[1]  | 5632         |                          |       |
| <br>_EOTEnterGainVspd_Kph_u9p7[2]  | 5760         |                          |       |
| EEOTEnterGainVspd_Kph_u9p7[3]      | 5888         |                          |       |
| Name                               | Actual Value | Expected Value           | Resul |
| SES_CalcEnterGain()                | 0.0639038086 | 0.0639038086 ± 0.0078125 | •     |

| T                               |       |                                 |       | <b>✓</b> |
|---------------------------------|-------|---------------------------------|-------|----------|
| Actual Function                 | Count | Expected Function               | Count | Result   |
| BilinearXMYM u16 u16XMu16YM Cnt | 1     | BilinearXMYM u16 u16XMu16YM Cnt | 1     | ~        |

| Test Step 2.18 (Repeat Count = 1)  |             | ~ |
|------------------------------------|-------------|---|
| Name                               | Input Value |   |
| EOTActuatorMng_SESState_Uls_M_enum | SES_NORMAL  |   |
| HandWheelPos_HwDeg_T_f32           | 777.75      |   |
| LimitPosition_HwDeg_T_f32          | 666.359985  |   |
| VehicleSpeed_Kph_T_f32             | 125.851997  |   |
| t2_EOTEnterGainX_HwDeg_u12p4[0][0] | 272         |   |
| t2_EOTEnterGainX_HwDeg_u12p4[0][1] | 800         |   |
| t2_EOTEnterGainX_HwDeg_u12p4[0][2] | 816         |   |
| t2_EOTEnterGainX_HwDeg_u12p4[0][3] | 832         |   |
| t2_EOTEnterGainX_HwDeg_u12p4[1][0] | 880         |   |
| t2_EOTEnterGainX_HwDeg_u12p4[1][1] | 2624        |   |
| t2_EOTEnterGainX_HwDeg_u12p4[1][2] | 2640        |   |
| t2_EOTEnterGainX_HwDeg_u12p4[1][3] | 2656        |   |

2015-06-29, 18:37:20+0530



| Name                               | Input Value    |                            |        |
|------------------------------------|----------------|----------------------------|--------|
| t2_EOTEnterGainX_HwDeg_u12p4[2][0] | 1024           |                            |        |
| t2_EOTEnterGainX_HwDeg_u12p4[2][1] | 3056           |                            |        |
| t2_EOTEnterGainX_HwDeg_u12p4[2][2] | 3072           |                            |        |
| t2_EOTEnterGainX_HwDeg_u12p4[2][3] | 3088           |                            |        |
| t2_EOTEnterGainX_HwDeg_u12p4[3][0] | 432            |                            |        |
| t2_EOTEnterGainX_HwDeg_u12p4[3][1] | 1280           |                            |        |
| t2_EOTEnterGainX_HwDeg_u12p4[3][2] | 1296           |                            |        |
| t2_EOTEnterGainX_HwDeg_u12p4[3][3] | 1312           |                            |        |
| t2_EOTEnterGainY_Uls_u1p15[0][0]   | 9              |                            |        |
| t2_EOTEnterGainY_Uls_u1p15[0][1]   | 10             |                            |        |
| t2_EOTEnterGainY_Uls_u1p15[0][2]   | 147            |                            |        |
| t2_EOTEnterGainY_Uls_u1p15[0][3]   | 1429           |                            |        |
| t2_EOTEnterGainY_Uls_u1p15[1][0]   | 10             |                            |        |
| t2_EOTEnterGainY_Uls_u1p15[1][1]   | 10             |                            |        |
| t2_EOTEnterGainY_Uls_u1p15[1][2]   | 176            |                            |        |
| t2_EOTEnterGainY_Uls_u1p15[1][3]   | 1714           |                            |        |
| t2_EOTEnterGainY_Uls_u1p15[2][0]   | 10             |                            |        |
| t2_EOTEnterGainY_Uls_u1p15[2][1]   | 10             |                            |        |
| t2_EOTEnterGainY_Uls_u1p15[2][2]   | 167            |                            |        |
| t2_EOTEnterGainY_Uls_u1p15[2][3]   | 1619           |                            |        |
| t2_EOTEnterGainY_Uls_u1p15[3][0]   | 11             |                            |        |
| t2_EOTEnterGainY_Uls_u1p15[3][1]   | 12             |                            |        |
| t2_EOTEnterGainY_Uls_u1p15[3][2]   | 225            |                            |        |
| t2_EOTEnterGainY_Uls_u1p15[3][3]   | 2189           |                            |        |
| t_EOTEnterGainVspd_Kph_u9p7[0]     | 0              |                            |        |
| t_EOTEnterGainVspd_Kph_u9p7[1]     | 0              |                            |        |
| t_EOTEnterGainVspd_Kph_u9p7[2]     | 0              |                            |        |
| t_EOTEnterGainVspd_Kph_u9p7[3]     | 0              |                            |        |
| Name                               | Actual Value   | Expected Value             | Result |
| SES_CalcEnterGain()                | 0.000274658203 | 0.000274657999 ± 0.0078125 |        |

| T                               |       |                                 |       | <b>✓</b> |
|---------------------------------|-------|---------------------------------|-------|----------|
| Actual Function                 | Count | Expected Function               | Count | Result   |
| BilinearXMYM u16 u16XMu16YM Cnt | 1     | BilinearXMYM u16 u16XMu16YM Cnt | 1     | <b>✓</b> |

| Test Step 2.19 (Repeat Count = 1)  | <b>√</b>     |
|------------------------------------|--------------|
| Name                               | Input Value  |
| EOTActuatorMng SESState Uls M enum | SES ENTERING |
| HandWheelPos HwDeg T f32           | -111.459999  |
| LimitPosition HwDeg T f32          | -777.640015  |
| VehicleSpeed_Kph_T_f32             | 366.126007   |
| t2_EOTEnterGainX_HwDeg_u12p4[0][0] | 288          |
| t2_EOTEnterGainX_HwDeg_u12p4[0][1] | 848          |
| t2_EOTEnterGainX_HwDeg_u12p4[0][2] | 864          |
| t2_EOTEnterGainX_HwDeg_u12p4[0][3] | 880          |
| t2_EOTEnterGainX_HwDeg_u12p4[1][0] | 896          |
| t2_EOTEnterGainX_HwDeg_u12p4[1][1] | 2672         |
| t2_EOTEnterGainX_HwDeg_u12p4[1][2] | 2688         |
| t2_EOTEnterGainX_HwDeg_u12p4[1][3] | 2704         |
| t2_EOTEnterGainX_HwDeg_u12p4[2][0] | 1040         |
| t2_EOTEnterGainX_HwDeg_u12p4[2][1] | 3104         |
| t2_EOTEnterGainX_HwDeg_u12p4[2][2] | 3120         |
| t2_EOTEnterGainX_HwDeg_u12p4[2][3] | 3136         |
| t2_EOTEnterGainX_HwDeg_u12p4[3][0] | 448          |
| t2_EOTEnterGainX_HwDeg_u12p4[3][1] | 1328         |
| t2_EOTEnterGainX_HwDeg_u12p4[3][2] | 1344         |
| t2_EOTEnterGainX_HwDeg_u12p4[3][3] | 1360         |
| t2_EOTEnterGainY_Uls_u1p15[0][0]   | 9            |
| t2_EOTEnterGainY_Uls_u1p15[0][1]   | 10           |
| t2_EOTEnterGainY_Uls_u1p15[0][2]   | 157          |
| t2_EOTEnterGainY_Uls_u1p15[0][3]   | 1524         |
| t2_EOTEnterGainY_Uls_u1p15[1][0]   | 10           |
| t2_EOTEnterGainY_Uls_u1p15[1][1]   | 11           |
| t2_EOTEnterGainY_Uls_u1p15[1][2]   | 186          |
| t2_EOTEnterGainY_Uls_u1p15[1][3]   | 1809         |
| t2_EOTEnterGainY_Uls_u1p15[2][0]   | 10           |
| t2_EOTEnterGainY_Uls_u1p15[2][1]   | 10           |
| t2_EOTEnterGainY_Uls_u1p15[2][2]   | 176          |
| t2_EOTEnterGainY_Uls_u1p15[2][3]   | 1714         |
| t2_EOTEnterGainY_Uls_u1p15[3][0]   | 12           |

2015-06-29, 18:37:20+0530



| Name                             | Input Value   |                           |        |
|----------------------------------|---------------|---------------------------|--------|
| t2_EOTEnterGainY_Uls_u1p15[3][1] | 12            |                           |        |
| t2_EOTEnterGainY_Uls_u1p15[3][2] | 235           |                           |        |
| t2_EOTEnterGainY_Uls_u1p15[3][3] | 2284          |                           |        |
| t_EOTEnterGainVspd_Kph_u9p7[0]   | 32640         |                           |        |
| t_EOTEnterGainVspd_Kph_u9p7[1]   | 32640         |                           |        |
| t_EOTEnterGainVspd_Kph_u9p7[2]   | 32640         |                           |        |
| t_EOTEnterGainVspd_Kph_u9p7[3]   | 32640         |                           |        |
| Name                             | Actual Value  | Expected Value            | Result |
| SES_CalcEnterGain()              | 0.00479125977 | 0.00479126023 ± 0.0078125 |        |

| T                               |       |                                 |       | <b>✓</b> |
|---------------------------------|-------|---------------------------------|-------|----------|
| Actual Function                 | Count | Expected Function               | Count | Result   |
| BilinearXMYM_u16_u16XMu16YM_Cnt | 1     | BilinearXMYM_u16_u16XMu16YM_Cnt | 1     | ~        |

| Test Step 2.20 (Repeat Count = 1)  |              |                          | ✓      |
|------------------------------------|--------------|--------------------------|--------|
| Name                               | Input Value  |                          |        |
| EOTActuatorMng_SESState_Uls_M_enum | SES_NORMAL   |                          |        |
| HandWheelPos_HwDeg_T_f32           | 222.949997   |                          |        |
| LimitPosition HwDeg T f32          | 888.280029   |                          |        |
| VehicleSpeed Kph T f32             | 378.354004   |                          |        |
| t2 EOTEnterGainX HwDeg u12p4[0][0] | 304          |                          |        |
| t2_EOTEnterGainX_HwDeg_u12p4[0][1] | 896          |                          |        |
| t2_EOTEnterGainX_HwDeg_u12p4[0][2] | 912          |                          |        |
| t2 EOTEnterGainX HwDeg u12p4[0][3] | 928          |                          |        |
| t2_EOTEnterGainX_HwDeg_u12p4[1][0] | 560          |                          |        |
| t2_EOTEnterGainX_HwDeg_u12p4[1][1] | 1664         |                          |        |
| t2_EOTEnterGainX_HwDeg_u12p4[1][2] | 1680         |                          |        |
| t2_EOTEnterGainX_HwDeg_u12p4[1][3] | 1696         |                          |        |
| t2_EOTEnterGainX_HwDeg_u12p4[2][0] | 560          |                          |        |
| t2_EOTEnterGainX_HwDeg_u12p4[2][1] | 1664         |                          |        |
| t2_EOTEnterGainX_HwDeg_u12p4[2][2] | 1680         |                          |        |
| t2_EOTEnterGainX_HwDeg_u12p4[2][3] | 1696         |                          |        |
| t2_EOTEnterGainX_HwDeg_u12p4[3][0] | 464          |                          |        |
| t2_EOTEnterGainX_HwDeg_u12p4[3][1] | 1376         |                          |        |
| t2_EOTEnterGainX_HwDeg_u12p4[3][2] | 1392         |                          |        |
| t2_EOTEnterGainX_HwDeg_u12p4[3][3] | 1408         |                          |        |
| t2_EOTEnterGainY_Uls_u1p15[0][0]   | 10           |                          |        |
| t2_EOTEnterGainY_Uls_u1p15[0][1]   | 10           |                          |        |
| t2_EOTEnterGainY_Uls_u1p15[0][2]   | 167          |                          |        |
| t2_EOTEnterGainY_Uls_u1p15[0][3]   | 1619         |                          |        |
| t2_EOTEnterGainY_Uls_u1p15[1][0]   | 10           |                          |        |
| t2_EOTEnterGainY_Uls_u1p15[1][1]   | 11           |                          |        |
| t2_EOTEnterGainY_Uls_u1p15[1][2]   | 196          |                          |        |
| t2_EOTEnterGainY_Uls_u1p15[1][3]   | 1904         |                          |        |
| t2_EOTEnterGainY_Uls_u1p15[2][0]   | 10           |                          |        |
| t2_EOTEnterGainY_Uls_u1p15[2][1]   | 11           |                          |        |
| t2_EOTEnterGainY_Uls_u1p15[2][2]   | 186          |                          |        |
| t2_EOTEnterGainY_Uls_u1p15[2][3]   | 1809         |                          |        |
| t2_EOTEnterGainY_Uls_u1p15[3][0]   | 12           |                          |        |
| t2_EOTEnterGainY_Uls_u1p15[3][1]   | 13           |                          |        |
| t2_EOTEnterGainY_Uls_u1p15[3][2]   | 245          |                          |        |
| t2_EOTEnterGainY_Uls_u1p15[3][3]   | 2379         |                          |        |
| t_EOTEnterGainVspd_Kph_u9p7[0]     | 0            |                          |        |
| t_EOTEnterGainVspd_Kph_u9p7[1]     | 640          |                          |        |
| t_EOTEnterGainVspd_Kph_u9p7[2]     | 1280         |                          |        |
| t_EOTEnterGainVspd_Kph_u9p7[3]     | 2560         |                          |        |
| Name                               | Actual Value | Expected Value           | Result |
| SES_CalcEnterGain()                | 0.0726013184 | 0.0726013184 ± 0.0078125 | ~      |

| Τ                               |       |                                 |       | ~      |
|---------------------------------|-------|---------------------------------|-------|--------|
| Actual Function                 | Count | Expected Function               | Count | Result |
| BilinearXMYM_u16_u16XMu16YM_Cnt | 1     | BilinearXMYM_u16_u16XMu16YM_Cnt | 1     |        |

| Test Step 2.21 (Repeat Count = 1)  | 🗸            |
|------------------------------------|--------------|
| Name                               | Input Value  |
| EOTActuatorMng_SESState_Uls_M_enum | SES_ENTERING |

2015-06-29, 18:37:20+0530



| Name                               | Input Value                          |        |
|------------------------------------|--------------------------------------|--------|
| HandWheelPos_HwDeg_T_f32           | -222.190002                          |        |
| LimitPosition_HwDeg_T_f32          | -999.640015                          |        |
| VehicleSpeed_Kph_T_f32             | 433.85199                            |        |
| t2_EOTEnterGainX_HwDeg_u12p4[0][0] | 0                                    |        |
| t2_EOTEnterGainX_HwDeg_u12p4[0][1] | 0                                    |        |
| t2_EOTEnterGainX_HwDeg_u12p4[0][2] | 0                                    |        |
| t2_EOTEnterGainX_HwDeg_u12p4[0][3] | 0                                    |        |
| t2_EOTEnterGainX_HwDeg_u12p4[1][0] | 0                                    |        |
| t2_EOTEnterGainX_HwDeg_u12p4[1][1] | 0                                    |        |
| t2_EOTEnterGainX_HwDeg_u12p4[1][2] | 0                                    |        |
| t2_EOTEnterGainX_HwDeg_u12p4[1][3] | 0                                    |        |
| t2_EOTEnterGainX_HwDeg_u12p4[2][0] | 0                                    |        |
| t2_EOTEnterGainX_HwDeg_u12p4[2][1] | 0                                    |        |
| t2_EOTEnterGainX_HwDeg_u12p4[2][2] | 0                                    |        |
| t2_EOTEnterGainX_HwDeg_u12p4[2][3] | 0                                    |        |
| t2_EOTEnterGainX_HwDeg_u12p4[3][0] | 0                                    |        |
| t2_EOTEnterGainX_HwDeg_u12p4[3][1] | 0                                    |        |
| t2_EOTEnterGainX_HwDeg_u12p4[3][2] | 0                                    |        |
| t2_EOTEnterGainX_HwDeg_u12p4[3][3] | 0                                    |        |
| t2_EOTEnterGainY_Uls_u1p15[0][0]   | 10                                   |        |
| t2_EOTEnterGainY_Uls_u1p15[0][1]   | 10                                   |        |
| t2_EOTEnterGainY_Uls_u1p15[0][2]   | 176                                  |        |
| t2_EOTEnterGainY_Uls_u1p15[0][3]   | 1714                                 |        |
| t2_EOTEnterGainY_Uls_u1p15[1][0]   | 11                                   |        |
| t2_EOTEnterGainY_Uls_u1p15[1][1]   | 11                                   |        |
| t2_EOTEnterGainY_Uls_u1p15[1][2]   | 206                                  |        |
| t2_EOTEnterGainY_Uls_u1p15[1][3]   | 1999                                 |        |
| t2_EOTEnterGainY_Uls_u1p15[2][0]   | 10                                   |        |
| t2_EOTEnterGainY_Uls_u1p15[2][1]   | 11                                   |        |
| t2_EOTEnterGainY_Uls_u1p15[2][2]   | 196                                  |        |
| t2_EOTEnterGainY_Uls_u1p15[2][3]   | 1904                                 |        |
| t2_EOTEnterGainY_Uls_u1p15[3][0]   | 12                                   |        |
| t2_EOTEnterGainY_Uls_u1p15[3][1]   | 13                                   |        |
| t2_EOTEnterGainY_Uls_u1p15[3][2]   | 255                                  |        |
| t2_EOTEnterGainY_Uls_u1p15[3][3]   | 2474                                 |        |
| t_EOTEnterGainVspd_Kph_u9p7[0]     | 2304                                 |        |
| t_EOTEnterGainVspd_Kph_u9p7[1]     | 6784                                 |        |
| t_EOTEnterGainVspd_Kph_u9p7[2]     | 6912                                 |        |
| t_EOTEnterGainVspd_Kph_u9p7[3]     | 7040                                 |        |
| Name                               | Actual Value Expected Value          | Result |
| SES CalcEnterGain()                | 0.000305175781 0.000305176014 ± 0.00 | 078125 |

| T                               |       |                                 |       | V      |
|---------------------------------|-------|---------------------------------|-------|--------|
| Actual Function                 | Count | Expected Function               | Count | Result |
| BilinearXMYM u16 u16XMu16YM Cnt | 1     | BilinearXMYM u16 u16XMu16YM Cnt | 1     | ~      |

| Test Step 2.22 (Repeat Count = 1)  | → The second of the secon |
|------------------------------------|---|
| Name                               | Input Value   |
| EOTActuatorMng_SESState_Uls_M_enum | SES_NORMAL  |
| HandWheelPos_HwDeg_T_f32           | 333.640015  |
| LimitPosition_HwDeg_T_f32          | 1000.31   |
| VehicleSpeed_Kph_T_f32             | 276.153992  |
| t2_EOTEnterGainX_HwDeg_u12p4[0][0] | 14400   |
| t2_EOTEnterGainX_HwDeg_u12p4[0][1] | 14400   |
| t2_EOTEnterGainX_HwDeg_u12p4[0][2] | 14400   |
| t2_EOTEnterGainX_HwDeg_u12p4[0][3] | 14400   |
| t2_EOTEnterGainX_HwDeg_u12p4[1][0] | 14400   |
| t2_EOTEnterGainX_HwDeg_u12p4[1][1] | 14400   |
| t2_EOTEnterGainX_HwDeg_u12p4[1][2] | 14400   |
| t2_EOTEnterGainX_HwDeg_u12p4[1][3] | 14400   |
| t2_EOTEnterGainX_HwDeg_u12p4[2][0] | 14400   |
| t2_EOTEnterGainX_HwDeg_u12p4[2][1] | 14400   |
| t2_EOTEnterGainX_HwDeg_u12p4[2][2] | 14400   |
| t2_EOTEnterGainX_HwDeg_u12p4[2][3] | 14400   |
| t2_EOTEnterGainX_HwDeg_u12p4[3][0] | 14400   |
| t2_EOTEnterGainX_HwDeg_u12p4[3][1] | 14400   |
| t2_EOTEnterGainX_HwDeg_u12p4[3][2] | 14400   |
| t2_EOTEnterGainX_HwDeg_u12p4[3][3] | 14400   |
| t2_EOTEnterGainY_Uls_u1p15[0][0]   | 10  |
| t2_EOTEnterGainY_Uls_u1p15[0][1]   | 11  |

2015-06-29, 18:37:20+0530



| Name                             | Input Value    |                           |        |
|----------------------------------|----------------|---------------------------|--------|
| t2_EOTEnterGainY_Uls_u1p15[0][2] | 186            |                           |        |
| t2_EOTEnterGainY_Uls_u1p15[0][3] | 1809           |                           |        |
| t2_EOTEnterGainY_Uls_u1p15[1][0] | 11             |                           |        |
| t2_EOTEnterGainY_Uls_u1p15[1][1] | 12             |                           |        |
| t2_EOTEnterGainY_Uls_u1p15[1][2] | 216            |                           |        |
| t2_EOTEnterGainY_Uls_u1p15[1][3] | 2094           |                           |        |
| t2_EOTEnterGainY_Uls_u1p15[2][0] | 11             |                           |        |
| t2_EOTEnterGainY_Uls_u1p15[2][1] | 11             |                           |        |
| t2_EOTEnterGainY_Uls_u1p15[2][2] | 206            |                           |        |
| t2_EOTEnterGainY_Uls_u1p15[2][3] | 1999           |                           |        |
| t2_EOTEnterGainY_Uls_u1p15[3][0] | 13             |                           |        |
| t2_EOTEnterGainY_Uls_u1p15[3][1] | 13             |                           |        |
| t2_EOTEnterGainY_Uls_u1p15[3][2] | 265            |                           |        |
| t2_EOTEnterGainY_Uls_u1p15[3][3] | 2569           |                           |        |
| t_EOTEnterGainVspd_Kph_u9p7[0]   | 2432           |                           |        |
| t_EOTEnterGainVspd_Kph_u9p7[1]   | 7168           |                           |        |
| t_EOTEnterGainVspd_Kph_u9p7[2]   | 7296           |                           |        |
| t_EOTEnterGainVspd_Kph_u9p7[3]   | 7424           |                           |        |
| Name                             | Actual Value   | Expected Value            | Result |
| SES_CalcEnterGain()              | 0.000335693359 | 0.00033569301 ± 0.0078125 | ~      |

| T                               |       |                                 |       | V      |
|---------------------------------|-------|---------------------------------|-------|--------|
| Actual Function                 | Count | Expected Function               | Count | Result |
| BilinearXMYM_u16_u16XMu16YM_Cnt | 1     | BilinearXMYM_u16_u16XMu16YM_Cnt | 1     | ~      |

| Test Step 2.23 (Repeat Count = 1)  |              |                          | <b>✓</b> |
|------------------------------------|--------------|--------------------------|----------|
| Name                               | Input Value  |                          |          |
| EOTActuatorMng_SESState_Uls_M_enum | SES ENTERING |                          |          |
| HandWheelPos HwDeg T f32           | -333.519989  |                          |          |
| LimitPosition HwDeg T f32          | -1111.18005  |                          |          |
| VehicleSpeed Kph T f32             | 478.85199    |                          |          |
| t2_EOTEnterGainX_HwDeg_u12p4[0][0] | 0            |                          |          |
| t2_EOTEnterGainX_HwDeg_u12p4[0][1] | 480          |                          |          |
| t2 EOTEnterGainX HwDeg u12p4[0][2] | 960          |                          |          |
| t2 EOTEnterGainX HwDeg u12p4[0][3] | 1440         |                          |          |
| t2_EOTEnterGainX_HwDeg_u12p4[1][0] | 0            |                          |          |
| t2_EOTEnterGainX_HwDeg_u12p4[1][1] | 480          |                          |          |
| t2 EOTEnterGainX HwDeg u12p4[1][2] | 960          |                          |          |
| t2 EOTEnterGainX HwDeg u12p4[1][3] | 1440         |                          |          |
| t2_EOTEnterGainX_HwDeg_u12p4[2][0] | 0            |                          |          |
| t2_EOTEnterGainX_HwDeg_u12p4[2][1] | 480          |                          |          |
| t2_EOTEnterGainX_HwDeg_u12p4[2][2] | 960          |                          |          |
| t2 EOTEnterGainX HwDeg u12p4[2][3] | 1440         |                          |          |
| t2_EOTEnterGainX_HwDeg_u12p4[3][0] | 0            |                          |          |
| t2_EOTEnterGainX_HwDeg_u12p4[3][1] | 480          |                          |          |
| t2_EOTEnterGainX_HwDeg_u12p4[3][2] | 960          |                          |          |
| t2_EOTEnterGainX_HwDeg_u12p4[3][3] | 1440         |                          |          |
| t2 EOTEnterGainY Uls u1p15[0][0]   | 10           |                          |          |
| t2 EOTEnterGainY Uls u1p15[0][1]   | 11           |                          |          |
| t2_EOTEnterGainY_Uls_u1p15[0][2]   | 196          |                          |          |
| t2_EOTEnterGainY_Uls_u1p15[0][3]   | 1904         |                          |          |
| t2_EOTEnterGainY_Uls_u1p15[1][0]   | 11           |                          |          |
| t2_EOTEnterGainY_Uls_u1p15[1][1]   | 12           |                          |          |
| t2_EOTEnterGainY_Uls_u1p15[1][2]   | 225          |                          |          |
| t2_EOTEnterGainY_Uls_u1p15[1][3]   | 2189         |                          |          |
| t2_EOTEnterGainY_Uls_u1p15[2][0]   | 11           |                          |          |
| t2_EOTEnterGainY_Uls_u1p15[2][1]   | 12           |                          |          |
| t2_EOTEnterGainY_Uls_u1p15[2][2]   | 216          |                          |          |
| t2_EOTEnterGainY_Uls_u1p15[2][3]   | 2094         |                          |          |
| t2_EOTEnterGainY_Uls_u1p15[3][0]   | 13           |                          |          |
| t2_EOTEnterGainY_Uls_u1p15[3][1]   | 14           |                          |          |
| t2_EOTEnterGainY_Uls_u1p15[3][2]   | 274          |                          |          |
| t2_EOTEnterGainY_Uls_u1p15[3][3]   | 2664         |                          |          |
| t_EOTEnterGainVspd_Kph_u9p7[0]     | 2560         |                          |          |
| t_EOTEnterGainVspd_Kph_u9p7[1]     | 7552         |                          |          |
| t_EOTEnterGainVspd_Kph_u9p7[2]     | 7680         |                          |          |
| t_EOTEnterGainVspd_Kph_u9p7[3]     | 7808         |                          |          |
| Name                               | Actual Value | Expected Value           | Result   |
| SES CalcEnterGain()                | 0.0812988281 | 0.0812988281 ± 0.0078125 | •        |



| T                               |       |                                 |       | V      |
|---------------------------------|-------|---------------------------------|-------|--------|
| Actual Function                 | Count | Expected Function               | Count | Result |
| BilinearXMYM_u16_u16XMu16YM_Cnt | 1     | BilinearXMYM_u16_u16XMu16YM_Cnt | 1     | ~      |

| Test Step 2.24 (Repeat Count = 1)  |              |                | <b>✓</b> |
|------------------------------------|--------------|----------------|----------|
| Name                               | Input Value  |                |          |
| EOTActuatorMng_SESState_Uls_M_enum | SES NORMAL   |                |          |
| HandWheelPos HwDeg T f32           | 444.75       |                |          |
| LimitPosition HwDeg T f32          | 1244.64001   |                |          |
| VehicleSpeed Kph T f32             | 299.356995   |                |          |
| t2 EOTEnterGainX HwDeg u12p4[0][0] | 336          |                |          |
| t2_EOTEnterGainX_HwDeg_u12p4[0][1] | 992          |                |          |
| t2_EOTEnterGainX_HwDeg_u12p4[0][2] | 1008         |                |          |
| t2_EOTEnterGainX_HwDeg_u12p4[0][3] | 1024         |                |          |
| t2_EOTEnterGainX_HwDeg_u12p4[1][0] | 480          |                |          |
| t2_EOTEnterGainX_HwDeg_u12p4[1][1] | 1424         |                |          |
| t2_EOTEnterGainX_HwDeg_u12p4[1][2] | 1440         |                |          |
| t2_EOTEnterGainX_HwDeg_u12p4[1][3] | 1456         |                |          |
| t2_EOTEnterGainX_HwDeg_u12p4[2][0] | 1120         |                |          |
| t2 EOTEnterGainX HwDeg u12p4[2][1] | 3344         |                |          |
| t2_EOTEnterGainX_HwDeg_u12p4[2][2] | 3360         |                |          |
| t2_EOTEnterGainX_HwDeg_u12p4[2][3] | 3376         |                |          |
| t2_EOTEnterGainX_HwDeg_u12p4[3][0] | 80           |                |          |
| t2_EOTEnterGainX_HwDeg_u12p4[3][1] | 224          |                |          |
| t2_EOTEnterGainX_HwDeg_u12p4[3][2] | 240          |                |          |
| t2_EOTEnterGainX_HwDeg_u12p4[3][3] | 256          |                |          |
| t2_EOTEnterGainY_Uls_u1p15[0][0]   | 0            |                |          |
| t2_EOTEnterGainY_Uls_u1p15[0][1]   | 0            |                |          |
| t2_EOTEnterGainY_Uls_u1p15[0][2]   | 0            |                |          |
| t2_EOTEnterGainY_Uls_u1p15[0][3]   | 0            |                |          |
| t2_EOTEnterGainY_Uls_u1p15[1][0]   | 0            |                |          |
| t2_EOTEnterGainY_Uls_u1p15[1][1]   | 0            |                |          |
| t2_EOTEnterGainY_Uls_u1p15[1][2]   | 0            |                |          |
| t2_EOTEnterGainY_Uls_u1p15[1][3]   | 0            |                |          |
| t2_EOTEnterGainY_Uls_u1p15[2][0]   | 0            |                |          |
| t2_EOTEnterGainY_Uls_u1p15[2][1]   | 0            |                |          |
| t2_EOTEnterGainY_Uls_u1p15[2][2]   | 0            |                |          |
| t2_EOTEnterGainY_Uls_u1p15[2][3]   | 0            |                |          |
| t2_EOTEnterGainY_Uls_u1p15[3][0]   | 0            |                |          |
| t2_EOTEnterGainY_Uls_u1p15[3][1]   | 0            |                |          |
| t2_EOTEnterGainY_Uls_u1p15[3][2]   | 0            |                |          |
| t2_EOTEnterGainY_Uls_u1p15[3][3]   | 0            |                |          |
| t_EOTEnterGainVspd_Kph_u9p7[0]     | 2688         |                |          |
| t_EOTEnterGainVspd_Kph_u9p7[1]     | 7936         |                |          |
| t_EOTEnterGainVspd_Kph_u9p7[2]     | 8064         |                |          |
| t_EOTEnterGainVspd_Kph_u9p7[3]     | 8192         |                |          |
| Name                               | Actual Value | Expected Value | Result   |
| SES_CalcEnterGain()                | 0            | 0 ± 0.0078125  | <b>✓</b> |

| T                               |       |                                 |       | <b>✓</b> |
|---------------------------------|-------|---------------------------------|-------|----------|
| Actual Function                 | Count | Expected Function               | Count | Result   |
| BilinearXMYM u16 u16XMu16YM Cnt | 1     | BilinearXMYM u16 u16XMu16YM Cnt | 1     | ~        |

| Test Step 2.25 (Repeat Count = 1)  |              | ~ |
|------------------------------------|--------------|---|
| Name                               | Input Value  |   |
| EOTActuatorMng_SESState_Uls_M_enum | SES_ENTERING |   |
| HandWheelPos_HwDeg_T_f32           | -555.840027  |   |
| LimitPosition_HwDeg_T_f32          | -1356.17004  |   |
| VehicleSpeed_Kph_T_f32             | 165.158997   |   |
| t2_EOTEnterGainX_HwDeg_u12p4[0][0] | 352          |   |
| t2_EOTEnterGainX_HwDeg_u12p4[0][1] | 1040         |   |
| t2_EOTEnterGainX_HwDeg_u12p4[0][2] | 1056         |   |
| t2_EOTEnterGainX_HwDeg_u12p4[0][3] | 1072         |   |
| t2_EOTEnterGainX_HwDeg_u12p4[1][0] | 496          |   |
| t2_EOTEnterGainX_HwDeg_u12p4[1][1] | 1472         |   |
| t2_EOTEnterGainX_HwDeg_u12p4[1][2] | 1488         |   |
| t2_EOTEnterGainX_HwDeg_u12p4[1][3] | 1504         |   |

SES CalcEnterGain

t\_EOTEnterGainVspd\_Kph\_u9p7[0]

t\_EOTEnterGainVspd\_Kph\_u9p7[1]

t\_EOTEnterGainVspd\_Kph\_u9p7[2]

t\_EOTEnterGainVspd\_Kph\_u9p7[3]

SES\_CalcEnterGain()

2015-06-29, 18:37:20+0530



Result

Input Value t2\_EOTEnterGainX\_HwDeg\_u12p4[2][0] 1136 t2\_EOTEnterGainX\_HwDeg\_u12p4[2][1] 3392 t2 EOTEnterGainX\_HwDeg\_u12p4[2][2] 3408 t2\_EOTEnterGainX\_HwDeg\_u12p4[2][3] 3424 t2\_EOTEnterGainX\_HwDeg\_u12p4[3][0] 96 t2\_EOTEnterGainX\_HwDeg\_u12p4[3][1] 272 t2\_EOTEnterGainX\_HwDeg\_u12p4[3][2] 288 304 t2\_EOTEnterGainX\_HwDeg\_u12p4[3][3] t2\_EOTEnterGainY\_Uls\_u1p15[0][0] 32768 t2\_EOTEnterGainY\_Uls\_u1p15[0][1] 32768 t2\_EOTEnterGainY\_Uls\_u1p15[0][2] 32768 t2\_EOTEnterGainY\_Uls\_u1p15[0][3] 32768 t2\_EOTEnterGainY\_Uls\_u1p15[1][0] 32768 t2\_EOTEnterGainY\_Uls\_u1p15[1][1] 32768 t2\_EOTEnterGainY\_Uls\_u1p15[1][2] 32768 t2\_EOTEnterGainY\_Uls\_u1p15[1][3] 32768 t2\_EOTEnterGainY\_Uls\_u1p15[2][0] 32768 t2\_EOTEnterGainY\_Uls\_u1p15[2][1] 32768  $t2\_EOTEnterGainY\_Uls\_u1p15[2][2]$ 32768 t2\_EOTEnterGainY\_Uls\_u1p15[2][3] 32768 t2\_EOTEnterGainY\_Uls\_u1p15[3][0] 32768 t2\_EOTEnterGainY\_Uls\_u1p15[3][1] 32768  $t2\_EOTEnterGainY\_Uls\_u1p15[3][2]$ 32768 t2\_EOTEnterGainY\_Uls\_u1p15[3][3] 32768

| T |                                 |       |                                 |       |      |    |
|---|---------------------------------|-------|---------------------------------|-------|------|----|
|   | Actual Function                 | Count | Expected Function               | Count | Resu | lt |
|   | BilinearXMYM u16 u16XMu16YM Cnt | 1     | BilinearXMYM u16 u16XMu16YM Cnt | 1     |      | ~  |

**Expected Value** 

1 ± 0.0078125

2816

8320

8448

8576 Actual Value

1

| Test Step 2.26 (Repeat Count = 1)  |             |  |  |
|------------------------------------|-------------|--|--|
| Name                               | Input Value |  |  |
| EOTActuatorMng SESState Uls M enum | SES NORMAL  |  |  |
| HandWheelPos HwDeg T f32           | 999.460022  |  |  |
| LimitPosition_HwDeg_T_f32          | 852.840027  |  |  |
| VehicleSpeed_Kph_T_f32             | 183.654007  |  |  |
| t2_EOTEnterGainX_HwDeg_u12p4[0][0] | 368         |  |  |
| t2_EOTEnterGainX_HwDeg_u12p4[0][1] | 1088        |  |  |
| t2_EOTEnterGainX_HwDeg_u12p4[0][2] | 1104        |  |  |
| t2_EOTEnterGainX_HwDeg_u12p4[0][3] | 1120        |  |  |
| t2_EOTEnterGainX_HwDeg_u12p4[1][0] | 512         |  |  |
| t2_EOTEnterGainX_HwDeg_u12p4[1][1] | 1520        |  |  |
| t2_EOTEnterGainX_HwDeg_u12p4[1][2] | 1536        |  |  |
| t2_EOTEnterGainX_HwDeg_u12p4[1][3] | 1552        |  |  |
| t2_EOTEnterGainX_HwDeg_u12p4[2][0] | 1152        |  |  |
| t2_EOTEnterGainX_HwDeg_u12p4[2][1] | 3440        |  |  |
| t2_EOTEnterGainX_HwDeg_u12p4[2][2] | 3456        |  |  |
| t2_EOTEnterGainX_HwDeg_u12p4[2][3] | 3472        |  |  |
| t2_EOTEnterGainX_HwDeg_u12p4[3][0] | 112         |  |  |
| t2_EOTEnterGainX_HwDeg_u12p4[3][1] | 320         |  |  |
| t2_EOTEnterGainX_HwDeg_u12p4[3][2] | 336         |  |  |
| t2_EOTEnterGainX_HwDeg_u12p4[3][3] | 352         |  |  |
| t2_EOTEnterGainY_Uls_u1p15[0][0]   | 0           |  |  |
| t2_EOTEnterGainY_Uls_u1p15[0][1]   | 10813       |  |  |
| t2_EOTEnterGainY_Uls_u1p15[0][2]   | 21627       |  |  |
| t2_EOTEnterGainY_Uls_u1p15[0][3]   | 32768       |  |  |
| t2_EOTEnterGainY_Uls_u1p15[1][0]   | 0           |  |  |
| t2_EOTEnterGainY_Uls_u1p15[1][1]   | 10813       |  |  |
| t2_EOTEnterGainY_Uls_u1p15[1][2]   | 21627       |  |  |
| t2_EOTEnterGainY_Uls_u1p15[1][3]   | 32768       |  |  |
| t2_EOTEnterGainY_Uls_u1p15[2][0]   | 0           |  |  |
| t2_EOTEnterGainY_Uls_u1p15[2][1]   | 10813       |  |  |
| t2_EOTEnterGainY_Uls_u1p15[2][2]   | 21627       |  |  |
| t2_EOTEnterGainY_Uls_u1p15[2][3]   | 32768       |  |  |
| t2_EOTEnterGainY_Uls_u1p15[3][0]   | 0           |  |  |

2015-06-29, 18:37:20+0530



| Name                             | Input Value  |                |        |
|----------------------------------|--------------|----------------|--------|
| t2_EOTEnterGainY_Uls_u1p15[3][1] | 10813        |                |        |
| t2_EOTEnterGainY_Uls_u1p15[3][2] | 21627        |                |        |
| t2_EOTEnterGainY_Uls_u1p15[3][3] | 32768        |                |        |
| t_EOTEnterGainVspd_Kph_u9p7[0]   | 1280         |                |        |
| t_EOTEnterGainVspd_Kph_u9p7[1]   | 2560         |                |        |
| t_EOTEnterGainVspd_Kph_u9p7[2]   | 3840         |                |        |
| t_EOTEnterGainVspd_Kph_u9p7[3]   | 5120         |                |        |
| Name                             | Actual Value | Expected Value | Result |
| SES_CalcEnterGain()              | 0            | 0 ± 0.0078125  | ~      |

| Т                               |       |                                 |       |        |
|---------------------------------|-------|---------------------------------|-------|--------|
| Actual Function                 | Count | Expected Function               | Count | Result |
| BilinearXMYM_u16_u16XMu16YM_Cnt | 1     | BilinearXMYM_u16_u16XMu16YM_Cnt | 1     | ~      |

| Test Step 2.27 (Repeat Count = 1)  |              |                | <b>✓</b> |
|------------------------------------|--------------|----------------|----------|
| Name                               | Input Value  |                |          |
| EOTActuatorMng_SESState_Uls_M_enum | SES_DISABLED |                |          |
| HandWheelPos_HwDeg_T_f32           | -1440.10999  |                |          |
| LimitPosition HwDeg T f32          | -1440.10999  |                |          |
| VehicleSpeed Kph T f32             | 0            |                |          |
| t2_EOTEnterGainX_HwDeg_u12p4[0][0] | 0            |                |          |
| t2_EOTEnterGainX_HwDeg_u12p4[0][1] | 0            |                |          |
| t2_EOTEnterGainX_HwDeg_u12p4[0][2] | 0            |                |          |
| t2_EOTEnterGainX_HwDeg_u12p4[0][3] | 0            |                |          |
| t2_EOTEnterGainX_HwDeg_u12p4[1][0] | 0            |                |          |
| t2_EOTEnterGainX_HwDeg_u12p4[1][1] | 0            |                |          |
| t2_EOTEnterGainX_HwDeg_u12p4[1][2] | 0            |                |          |
| t2_EOTEnterGainX_HwDeg_u12p4[1][3] | 0            |                |          |
| t2_EOTEnterGainX_HwDeg_u12p4[2][0] | 0            |                |          |
| t2_EOTEnterGainX_HwDeg_u12p4[2][1] | 0            |                |          |
| t2_EOTEnterGainX_HwDeg_u12p4[2][2] | 0            |                |          |
| t2_EOTEnterGainX_HwDeg_u12p4[2][3] | 0            |                |          |
| t2_EOTEnterGainX_HwDeg_u12p4[3][0] | 0            |                |          |
| t2_EOTEnterGainX_HwDeg_u12p4[3][1] | 0            |                |          |
| t2_EOTEnterGainX_HwDeg_u12p4[3][2] | 0            |                |          |
| t2_EOTEnterGainX_HwDeg_u12p4[3][3] | 0            |                |          |
| t2_EOTEnterGainY_Uls_u1p15[0][0]   | 0            |                |          |
| t2_EOTEnterGainY_Uls_u1p15[0][1]   | 0            |                |          |
| t2_EOTEnterGainY_Uls_u1p15[0][2]   | 0            |                |          |
| t2_EOTEnterGainY_Uls_u1p15[0][3]   | 0            |                |          |
| t2_EOTEnterGainY_Uls_u1p15[1][0]   | 0            |                |          |
| t2_EOTEnterGainY_Uls_u1p15[1][1]   | 0            |                |          |
| t2_EOTEnterGainY_Uls_u1p15[1][2]   | 0            |                |          |
| t2_EOTEnterGainY_Uls_u1p15[1][3]   | 0            |                |          |
| t2_EOTEnterGainY_Uls_u1p15[2][0]   | 0            |                |          |
| t2_EOTEnterGainY_Uls_u1p15[2][1]   | 0            |                |          |
| t2_EOTEnterGainY_Uls_u1p15[2][2]   | 0            |                |          |
| t2_EOTEnterGainY_Uls_u1p15[2][3]   | 0            |                |          |
| t2_EOTEnterGainY_Uls_u1p15[3][0]   | 0            |                |          |
| t2_EOTEnterGainY_Uls_u1p15[3][1]   | 0            |                |          |
| t2_EOTEnterGainY_Uls_u1p15[3][2]   | 0            |                |          |
| t2_EOTEnterGainY_Uls_u1p15[3][3]   | 0            |                |          |
| t_EOTEnterGainVspd_Kph_u9p7[0]     | 0            |                |          |
| t_EOTEnterGainVspd_Kph_u9p7[1]     | 0            |                |          |
| t_EOTEnterGainVspd_Kph_u9p7[2]     | 0            |                |          |
| t_EOTEnterGainVspd_Kph_u9p7[3]     | 0            |                |          |
| Name                               | Actual Value | Expected Value | Result   |
| SES_CalcEnterGain()                | 1            | 1 ± 0.0078125  | ~        |

| T               |       |                          |       |      | <b>✓</b> |
|-----------------|-------|--------------------------|-------|------|----------|
| Actual Function | Count | Expected Function        | Count | Resu | lt       |
| *none*          | 0     | *** No Call Expected *** | 0     |      | _        |

| Test Step 2.28 (Repeat Count = 1)  | ✓           |
|------------------------------------|-------------|
| Name                               | Input Value |
| EOTActuatorMng_SESState_Uls_M_enum | SES_EXITING |

2015-06-29, 18:37:20+0530



SES\_CalcEnterGain

| Name                               | Input Value  |                |        |
|------------------------------------|--------------|----------------|--------|
| HandWheelPos_HwDeg_T_f32           | 1440.10999   |                |        |
| LimitPosition_HwDeg_T_f32          | 1440.10999   |                |        |
| VehicleSpeed_Kph_T_f32             | 511.992188   |                |        |
| t2_EOTEnterGainX_HwDeg_u12p4[0][0] | 14400        |                |        |
| t2_EOTEnterGainX_HwDeg_u12p4[0][1] | 14400        |                |        |
| t2_EOTEnterGainX_HwDeg_u12p4[0][2] | 14400        |                |        |
| t2_EOTEnterGainX_HwDeg_u12p4[0][3] | 14400        |                |        |
| t2_EOTEnterGainX_HwDeg_u12p4[1][0] | 14400        |                |        |
| t2_EOTEnterGainX_HwDeg_u12p4[1][1] | 14400        |                |        |
| t2_EOTEnterGainX_HwDeg_u12p4[1][2] | 14400        |                |        |
| t2_EOTEnterGainX_HwDeg_u12p4[1][3] | 14400        |                |        |
| t2_EOTEnterGainX_HwDeg_u12p4[2][0] | 14400        |                |        |
| t2_EOTEnterGainX_HwDeg_u12p4[2][1] | 14400        |                |        |
| t2_EOTEnterGainX_HwDeg_u12p4[2][2] | 14400        |                |        |
| t2_EOTEnterGainX_HwDeg_u12p4[2][3] | 14400        |                |        |
| t2_EOTEnterGainX_HwDeg_u12p4[3][0] | 14400        |                |        |
| t2_EOTEnterGainX_HwDeg_u12p4[3][1] | 14400        |                |        |
| t2_EOTEnterGainX_HwDeg_u12p4[3][2] | 14400        |                |        |
| t2_EOTEnterGainX_HwDeg_u12p4[3][3] | 14400        |                |        |
| t2_EOTEnterGainY_Uls_u1p15[0][0]   | 32768        |                |        |
| t2_EOTEnterGainY_Uls_u1p15[0][1]   | 32768        |                |        |
| t2_EOTEnterGainY_Uls_u1p15[0][2]   | 32768        |                |        |
| t2_EOTEnterGainY_Uls_u1p15[0][3]   | 32768        |                |        |
| t2_EOTEnterGainY_Uls_u1p15[1][0]   | 32768        |                |        |
| t2_EOTEnterGainY_Uls_u1p15[1][1]   | 32768        |                |        |
| t2_EOTEnterGainY_Uls_u1p15[1][2]   | 32768        |                |        |
| t2_EOTEnterGainY_Uls_u1p15[1][3]   | 32768        |                |        |
| t2_EOTEnterGainY_Uls_u1p15[2][0]   | 32768        |                |        |
| t2_EOTEnterGainY_Uls_u1p15[2][1]   | 32768        |                |        |
| t2_EOTEnterGainY_Uls_u1p15[2][2]   | 32768        |                |        |
| t2_EOTEnterGainY_Uls_u1p15[2][3]   | 32768        |                |        |
| t2_EOTEnterGainY_Uls_u1p15[3][0]   | 32768        |                |        |
| t2_EOTEnterGainY_Uls_u1p15[3][1]   | 32768        |                |        |
| t2_EOTEnterGainY_Uls_u1p15[3][2]   | 32768        |                |        |
| t2_EOTEnterGainY_Uls_u1p15[3][3]   | 32768        |                |        |
| t_EOTEnterGainVspd_Kph_u9p7[0]     | 32640        |                |        |
| t_EOTEnterGainVspd_Kph_u9p7[1]     | 32640        |                |        |
| t_EOTEnterGainVspd_Kph_u9p7[2]     | 32640        |                |        |
| t_EOTEnterGainVspd_Kph_u9p7[3]     | 32640        |                |        |
| Name                               | Actual Value | Expected Value | Result |
| SES CalcEnterGain()                | 1            | 1 ± 0.0078125  | -      |

| T                               |       |                                 |       | <b>✓</b> |
|---------------------------------|-------|---------------------------------|-------|----------|
| Actual Function                 | Count | Expected Function               | Count | Result   |
| BilinearXMYM_u16_u16XMu16YM_Cnt | 1     | BilinearXMYM_u16_u16XMu16YM_Cnt | 1     | <b>✓</b> |

#### Test Case 3: Path Test

Specification

Performance Metrics (With "None" Instrumentation and WithPS Environment)
CPU Cycles:

TS3.1 324 cycles TS3.2 9 cycles TS3.3 325 cycles

Description

Vector Description

TS3.1(SESState\_Uls\_M\_enum <> SES\_DISABLED)=TRUE
TS3.2(SESState\_Uls\_M\_enum <> SES\_DISABLED)=FALSE
TS3.3DeltaHwPos\_HwDeg\_T\_f32 = Max\_m(DeltaHwPos\_HwDeg\_T\_f32, D\_ZERO\_ULS\_F32) =>FALSE

| Test Step 3.1 (Repeat Count = 1)   |             |  |
|------------------------------------|-------------|--|
| Name                               | Input Value |  |
| EOTActuatorMng_SESState_Uls_M_enum | SES_NORMAL  |  |
| HandWheelPos_HwDeg_T_f32           | -1000       |  |
| LimitPosition_HwDeg_T_f32          | 1300        |  |
| VehicleSpeed_Kph_T_f32             | 60          |  |
| t2_EOTEnterGainX_HwDeg_u12p4[0][0] | 320         |  |
| t2_EOTEnterGainX_HwDeg_u12p4[0][1] | 480         |  |
| t2_EOTEnterGainX_HwDeg_u12p4[0][2] | 960         |  |
| t2_EOTEnterGainX_HwDeg_u12p4[0][3] | 1440        |  |
| t2_EOTEnterGainX_HwDeg_u12p4[1][0] | 1600        |  |

2015-06-29, 18:37:20+0530



| Name                               | Input Value   |                           |        |
|------------------------------------|---------------|---------------------------|--------|
| t2_EOTEnterGainX_HwDeg_u12p4[1][1] | 2400          |                           |        |
| t2_EOTEnterGainX_HwDeg_u12p4[1][2] | 3200          |                           |        |
| t2_EOTEnterGainX_HwDeg_u12p4[1][3] | 4000          |                           |        |
| t2_EOTEnterGainX_HwDeg_u12p4[2][0] | 4800          |                           |        |
| t2_EOTEnterGainX_HwDeg_u12p4[2][1] | 5600          |                           |        |
| t2_EOTEnterGainX_HwDeg_u12p4[2][2] | 6400          |                           |        |
| t2_EOTEnterGainX_HwDeg_u12p4[2][3] | 7200          |                           |        |
| t2_EOTEnterGainX_HwDeg_u12p4[3][0] | 8000          |                           |        |
| t2_EOTEnterGainX_HwDeg_u12p4[3][1] | 8800          |                           |        |
| t2_EOTEnterGainX_HwDeg_u12p4[3][2] | 9600          |                           |        |
| t2_EOTEnterGainX_HwDeg_u12p4[3][3] | 10400         |                           |        |
| t2_EOTEnterGainY_Uls_u1p15[0][0]   | 0             |                           |        |
| t2_EOTEnterGainY_Uls_u1p15[0][1]   | 10813         |                           |        |
| t2_EOTEnterGainY_Uls_u1p15[0][2]   | 21627         |                           |        |
| t2_EOTEnterGainY_Uls_u1p15[0][3]   | 32768         |                           |        |
| t2_EOTEnterGainY_Uls_u1p15[1][0]   | 3277          |                           |        |
| t2_EOTEnterGainY_Uls_u1p15[1][1]   | 6554          |                           |        |
| t2_EOTEnterGainY_Uls_u1p15[1][2]   | 13107         |                           |        |
| t2_EOTEnterGainY_Uls_u1p15[1][3]   | 16384         |                           |        |
| t2_EOTEnterGainY_Uls_u1p15[2][0]   | 33            |                           |        |
| t2_EOTEnterGainY_Uls_u1p15[2][1]   | 22938         |                           |        |
| t2_EOTEnterGainY_Uls_u1p15[2][2]   | 26214         |                           |        |
| t2_EOTEnterGainY_Uls_u1p15[2][3]   | 29491         |                           |        |
| t2_EOTEnterGainY_Uls_u1p15[3][0]   | 66            |                           |        |
| t2_EOTEnterGainY_Uls_u1p15[3][1]   | 98            |                           |        |
| t2_EOTEnterGainY_Uls_u1p15[3][2]   | 131           |                           |        |
| t2_EOTEnterGainY_Uls_u1p15[3][3]   | 164           |                           |        |
| t_EOTEnterGainVspd_Kph_u9p7[0]     | 0             |                           |        |
| t_EOTEnterGainVspd_Kph_u9p7[1]     | 640           |                           |        |
| t_EOTEnterGainVspd_Kph_u9p7[2]     | 1280          |                           |        |
| t_EOTEnterGainVspd_Kph_u9p7[3]     | 2560          |                           |        |
| Name                               | Actual Value  | Expected Value            | Result |
| SES_CalcEnterGain()                | 0.00201416016 | 0.00201415992 ± 0.0078125 | ~      |

| Τ                               |       |                                 |       |        |
|---------------------------------|-------|---------------------------------|-------|--------|
| Actual Function                 | Count | Expected Function               | Count | Result |
| BilinearXMYM_u16_u16XMu16YM_Cnt | 1     | BilinearXMYM_u16_u16XMu16YM_Cnt | 1     | ~      |

| Test Step 3.2 (Repeat Count = 1)   | Input Value  |  |
|------------------------------------|--------------|--|
|                                    | ·            |  |
| EOTActuatorMng_SESState_Uls_M_enum | SES_DISABLED |  |
| HandWheelPos_HwDeg_T_f32           | 500          |  |
| _imitPosition_HwDeg_T_f32          | 200          |  |
| /ehicleSpeed_Kph_T_f32             | 200          |  |
| 2_EOTEnterGainX_HwDeg_u12p4[0][0]  | 320          |  |
| 2_EOTEnterGainX_HwDeg_u12p4[0][1]  | 480          |  |
| 2_EOTEnterGainX_HwDeg_u12p4[0][2]  | 960          |  |
| 2_EOTEnterGainX_HwDeg_u12p4[0][3]  | 1440         |  |
| 2_EOTEnterGainX_HwDeg_u12p4[1][0]  | 1600         |  |
| 2_EOTEnterGainX_HwDeg_u12p4[1][1]  | 2400         |  |
| 2_EOTEnterGainX_HwDeg_u12p4[1][2]  | 3200         |  |
| 2_EOTEnterGainX_HwDeg_u12p4[1][3]  | 4000         |  |
| 2_EOTEnterGainX_HwDeg_u12p4[2][0]  | 4800         |  |
| 2_EOTEnterGainX_HwDeg_u12p4[2][1]  | 5600         |  |
| 2_EOTEnterGainX_HwDeg_u12p4[2][2]  | 6400         |  |
| 2_EOTEnterGainX_HwDeg_u12p4[2][3]  | 7200         |  |
| 2_EOTEnterGainX_HwDeg_u12p4[3][0]  | 8000         |  |
| 2_EOTEnterGainX_HwDeg_u12p4[3][1]  | 8800         |  |
| 2_EOTEnterGainX_HwDeg_u12p4[3][2]  | 9600         |  |
| 2_EOTEnterGainX_HwDeg_u12p4[3][3]  | 10400        |  |
| 2_EOTEnterGainY_Uls_u1p15[0][0]    | 0            |  |
| 2_EOTEnterGainY_Uls_u1p15[0][1]    | 10813        |  |
| 2_EOTEnterGainY_Uls_u1p15[0][2]    | 21627        |  |
| 2_EOTEnterGainY_Uls_u1p15[0][3]    | 32768        |  |
| 2_EOTEnterGainY_Uls_u1p15[1][0]    | 3277         |  |
| 2_EOTEnterGainY_Uls_u1p15[1][1]    | 6554         |  |
| 2_EOTEnterGainY_Uls_u1p15[1][2]    | 13107        |  |
| 2 EOTEnterGainY Uls u1p15[1][3]    | 16384        |  |
| 2_EOTEnterGainY_Uls_u1p15[2][0]    | 33           |  |
| 2_EOTEnterGainY_Uls_u1p15[2][1]    | 22938        |  |

2015-06-29, 18:37:20+0530



| Name                             | Input Value  |                |          |
|----------------------------------|--------------|----------------|----------|
| t2_EOTEnterGainY_Uls_u1p15[2][2] | 26214        |                |          |
| t2_EOTEnterGainY_Uls_u1p15[2][3] | 29491        |                |          |
| t2_EOTEnterGainY_Uls_u1p15[3][0] | 66           |                |          |
| t2_EOTEnterGainY_Uls_u1p15[3][1] | 98           |                |          |
| t2_EOTEnterGainY_Uls_u1p15[3][2] | 131          |                |          |
| t2_EOTEnterGainY_Uls_u1p15[3][3] | 164          |                |          |
| t_EOTEnterGainVspd_Kph_u9p7[0]   | 0            |                |          |
| t_EOTEnterGainVspd_Kph_u9p7[1]   | 640          |                |          |
| t_EOTEnterGainVspd_Kph_u9p7[2]   | 1280         |                |          |
| t_EOTEnterGainVspd_Kph_u9p7[3]   | 2560         |                |          |
| Name                             | Actual Value | Expected Value | Result   |
| SES_CalcEnterGain()              | 1            | 1 ± 0.0078125  | <b>~</b> |

| T               |       |                          | <b>-</b> |        |
|-----------------|-------|--------------------------|----------|--------|
| Actual Function | Count | Expected Function        | Count    | Result |
| *none*          | 0     | *** No Call Expected *** | 0        | ~      |

| Test Step 3.3 (Repeat Count = 1)   |                |                            | ✓        |
|------------------------------------|----------------|----------------------------|----------|
| Name                               | Input Value    |                            |          |
| EOTActuatorMng_SESState_Uls_M_enum | SES ENTERING   |                            |          |
| HandWheelPos HwDeg T f32           | 800.97998      |                            |          |
| LimitPosition HwDeg T f32          | 700.23999      |                            |          |
| VehicleSpeed Kph T f32             | 511.992188     |                            |          |
| t2 EOTEnterGainX HwDeg u12p4[0][0] | 208            |                            |          |
| t2_EOTEnterGainX_HwDeg_u12p4[0][1] | 608            |                            |          |
| t2_EOTEnterGainX_HwDeg_u12p4[0][2] | 624            |                            |          |
| t2_EOTEnterGainX_HwDeg_u12p4[0][3] | 640            |                            |          |
| t2_EOTEnterGainX_HwDeg_u12p4[1][0] | 816            |                            |          |
| t2_EOTEnterGainX_HwDeg_u12p4[1][1] | 2432           |                            |          |
| t2_EOTEnterGainX_HwDeg_u12p4[1][2] | 2448           |                            |          |
| t2_EOTEnterGainX_HwDeg_u12p4[1][3] | 2464           |                            |          |
| t2_EOTEnterGainX_HwDeg_u12p4[2][0] | 960            |                            |          |
| t2_EOTEnterGainX_HwDeg_u12p4[2][1] | 2864           |                            |          |
| t2_EOTEnterGainX_HwDeg_u12p4[2][2] | 2880           |                            |          |
| t2_EOTEnterGainX_HwDeg_u12p4[2][3] | 2896           |                            |          |
| t2_EOTEnterGainX_HwDeg_u12p4[3][0] | 368            |                            |          |
| t2_EOTEnterGainX_HwDeg_u12p4[3][1] | 1088           |                            |          |
| t2_EOTEnterGainX_HwDeg_u12p4[3][2] | 1104           |                            |          |
| t2_EOTEnterGainX_HwDeg_u12p4[3][3] | 1120           |                            |          |
| t2_EOTEnterGainY_Uls_u1p15[0][0]   | 8              |                            |          |
| t2_EOTEnterGainY_Uls_u1p15[0][1]   | 8              |                            |          |
| t2_EOTEnterGainY_Uls_u1p15[0][2]   | 108            |                            |          |
| t2_EOTEnterGainY_Uls_u1p15[0][3]   | 1049           |                            |          |
| t2_EOTEnterGainY_Uls_u1p15[1][0]   | 9              |                            |          |
| t2_EOTEnterGainY_Uls_u1p15[1][1]   | 9              |                            |          |
| t2_EOTEnterGainY_Uls_u1p15[1][2]   | 137            |                            |          |
| t2_EOTEnterGainY_Uls_u1p15[1][3]   | 1334           |                            |          |
| t2_EOTEnterGainY_Uls_u1p15[2][0]   | 8              |                            |          |
| t2_EOTEnterGainY_Uls_u1p15[2][1]   | 9              |                            |          |
| t2_EOTEnterGainY_Uls_u1p15[2][2]   | 127            |                            |          |
| t2_EOTEnterGainY_Uls_u1p15[2][3]   | 1239           |                            |          |
| t2_EOTEnterGainY_Uls_u1p15[3][0]   | 10             |                            |          |
| t2_EOTEnterGainY_Uls_u1p15[3][1]   | 11             |                            |          |
| t2_EOTEnterGainY_Uls_u1p15[3][2]   | 186            |                            |          |
| t2_EOTEnterGainY_Uls_u1p15[3][3]   | 1809           |                            |          |
| t_EOTEnterGainVspd_Kph_u9p7[0]     | 1536           |                            |          |
| t_EOTEnterGainVspd_Kph_u9p7[1]     | 4480           |                            |          |
| t_EOTEnterGainVspd_Kph_u9p7[2]     | 4608           |                            |          |
| t_EOTEnterGainVspd_Kph_u9p7[3]     | 4736           |                            |          |
| Name                               | Actual Value   | Expected Value             | Result   |
| SES_CalcEnterGain()                | 0.000305175781 | 0.000305175781 ± 0.0078125 | <b>*</b> |

| T                               |       |                                 |       | <b>✓</b> |
|---------------------------------|-------|---------------------------------|-------|----------|
| Actual Function                 | Count | Expected Function               | Count | Result   |
| BilinearXMYM_u16_u16XMu16YM_Cnt | 1     | BilinearXMYM_u16_u16XMu16YM_Cnt | 1     | ~        |

2015-06-29, 18:31:27+0530





 Project
 EOTActuatorMng

 Module
 EOTActuatorMng

 Test Object
 EOTActuatorMng\_Per1

#### Instrumentation: Test Object Only

| Statement (C0) Coverage  | 100 % |
|--------------------------|-------|
| <b>Decision Coverage</b> | 100 % |
| Branch (C1) Coverage     | 100 % |
| MCC Coverage             | 100 % |
| MC/DC Coverage           | 100 % |

#### **Statistics**

| Total Testcases | 3 |   |
|-----------------|---|---|
| Successful      | 3 | ~ |
| Failed          | 0 |   |
| Not Executed    | 0 |   |

#### **Module Properties**

| Project Root Directory | D:\Synergy_Work_Area\CBD_EOTActuatorMng\EOTActuatorMng  |
|------------------------|---|
| Configuration File     | D:\Synergy_Work_Area\CBD_EOTActuatorMng\EOTActuatorMng\UnitTestEnv\config \TMS570_GCC_UDE_CCS4_Config.xml   |
| Target Environment     | TI TMS 570 PLS UDE (Default)  |
| Kind of Test           | Unit Test   |
| Linker Options         |   |
| Source File(s)         |   |
| File                   | \$(PROJECTROOT)\NxtrLib\src\interpolation.c   |
| Compiler Options       | -D_DATA_ACCESS= -Dconst= -I\$(PROJECTROOT)\NxtrLib\include -I\$(PROJECTROOT)\StdDef\include -I\$(PROJECTROOT)\utp\contract \Ap_EOTActuatorMng -I\$(PROJECTROOT)\utp\contract -I\$(Compiler Install Path)\u00edinclude |
| File                   | \$(PROJECTROOT)\src\Ap_EOTActuatorMng.c   |
| Compiler Options       | -D_DATA_ACCESS= -Dconst= -I\$(PROJECTROOT)\NxtrLib\include -I\$(PROJECTROOT)\StdDef\include -I\$(PROJECTROOT)\utp\contract \Ap_EOTActuatorMng -I\$(PROJECTROOT)\utp\contract -I\$(Compiler Install Path)\include      |

| Name                    | Text  |
|-------------------------|---|
| Module 'EOTActuatorMng' | /*** Name of Tester:Priti Manglekar Code File(s) Under Test:Ap_EOTActuatorMng.c Code File(s) Version:19 Module Design Document:End_of_Travel_Actuator_Management_MDD.docx Module Design Document Version:25 Data Dictionary Version:21 Unit Test Plan Version:11 Optimization Level:Level 2 Compiler (CodeGen) Version:TMS470_4.9.5 Model Type:Excel Macro Model Version:Nexteer EPS Unit Test Tool 2.7d/EPS Library 1.32 Total FLASH Used (Bytes):2914 Total RAM Used (Bytes):170 Special Test Requirements: Test Date:6/29/2015 Comments:"NOTE 1: Inline functions defined in GlobalMacro.h are not unittested. NOTE 2: ""CBD_Sandbox_dbg.map"" is embedded for reference." |

| Attributes            |  |
|-----------------------|--|
| Name                  | Value  |
| Compiler Install Path | \$(ProgramFiles)\Texas Instruments\ccsv4\tools\compiler\tms470_4.9.5 |
| Float Precision       | 9  |
| InitObjDir            | <pre>\$(PROJECTROOT)\UnitTestEnv\static_build_files\obj</pre>        |
| InitSrcDir            | \$(PROJECTROOT)\UnitTestEnv\static_build_files\src                   |
| Linker File           | \$(PROJECTROOT)\UnitTestEnv\static_build_files\sys_link.cmd          |
| Makefile Template     | \$(PROJECTROOT)\UnitTestEnv\config\Nexteer_ts_make_ude_ti_tms570.tpl |
| Target Install Path   | <pre>\$(ProgramFiles)\pls\UDE 3.2</pre>                              |
| Time Unit             | Cvcles   |

2015-06-29, 18:31:27+0530



EOTActuatorMng\_Per1

| Attributes  |  |  |
|---|--|--|
| Name  | Value  |  |
| Timer Enabled   | false  |  |
| Timer Prescale  | 0  |  |
| Timer Resolution  |  |  |
| UDE Config File   | \$(PROJECTROOT)\UnitTestEnv\config\TMS570_UDE_12PIN_JTAG.cfg |  |
| Workspace File D:\Synergy_Work_Area\CBD_EOTActuatorMng\EOTActuatorMng\UnitTestEnv\config\UDE_TMS570_DEBUG.WSP |  |  |



#### **Test Case 1: Metrics Test**

Performance Metrics (With "None" Instrumentation and WithPS Environment)
CPU Cycles: Specification

TS1.1 1163 cycles TS1.2 1896 cycles

Description Vector Description

TS1.1"Shortest Execution Path:

IS1.1'Shortest Execution Path:

((EOTDet\_Cnt\_T\_lgc = True) Or (EOTDisable\_Cnt\_T\_lgc = True)) ==> TRUE;

(EOTActuatorMng\_SESState\_Uls\_M\_enum = SES\_DISABLED) ==> TRUE"

TS1.2"Longest Execution Path:

((EOTDet\_Cnt\_T\_lgc = True) Or (EOTDisable\_Cnt\_T\_lgc = True)) ==> FALSE;

(EOTActuatorMng\_SESState\_Uls\_M\_enum = SES\_DISABLED) ==> FALSE"

#### Test Step 1.1 (Repeat Count = 1)

Performance Metrics (With "None" Instrumentation and WithPS Environment)
CPU Cycles: Specification

| Name                                      | Input Value                       |
|---|-----------------------------------|
| EOTActuatorMng_Damping_MtrNm_M_f32        | 8.80000019                        |
| EOTActuatorMng_EOTImpactPos_HwDeg_M_f32   | 1440.10999                        |
| EOTActuatorMng_FiltEOTGainSV_HwNm_M_u1p31 | 2147483648                        |
| EOTActuatorMng_FiltHWTrqSV_HwNm_M_s7p24   | 167772160                         |
| EOTActuatorMng_PrevEOTGain_Uls_M_f32      | 1                                 |
| EOTActuatorMng_SESState_Uls_M_enum        | SES_DISABLED                      |
| Rte_Inst_Ap_EOTActuatorMng                | target_Rte_Inst_Ap_EOTActuatorMng |
| k_EOTActiveRegionBypassMaxThresh_Uls_f32  | 0                                 |
| k_EOTDefltPosition_HwDeg_u12p4            | 13104                             |
| k_EOTDeltaTrqThrsh_HwNm_u9p7              | 1280                              |
| k_EOTDynConf_Uls_u8p8                     | 65535                             |
| k_EOTEnterLPFKn_Cnt_u16                   | 30573                             |
| k_EOTExitLPFKn_Cnt_u16                    | 30573                             |
| k_EOTImpSpdEn_Kph_u9p7                    | 32640                             |
| k_EOTOriginalImpactandSoftEnd_Cnt_lgc     | 1                                 |
| k_EOTPosDepDempFinalSlew_MtrNmpS_T_f32    | 1200                              |
| k_EOTStateHwTrqLPFKn_Cnt_u16              | 30573                             |
| k_MaxRackTrvl_HwDeg_u12p4                 | 23040                             |
| k_MinRackTrvl_HwDeg_u12p4                 | 23040                             |
| k_PosRampStep_HwDeg_u12p4                 | 13104                             |
| k_SoftStopEOTEnable_Cnt_lgc               | 1                                 |
| k_SpdIptScale_MtrNmpRadpS_u4p12           | 1024                              |
| t2_EOTEnterGainX_HwDeg_u12p4[0][0]        | 14400                             |
| t2_EOTEnterGainX_HwDeg_u12p4[0][1]        | 14400                             |
| 12_EOTEnterGainX_HwDeg_u12p4[0][2]        | 14400                             |
| t2_EOTEnterGainX_HwDeg_u12p4[0][3]        | 14400                             |
| t2_EOTEnterGainX_HwDeg_u12p4[1][0]        | 14400                             |
| t2_EOTEnterGainX_HwDeg_u12p4[1][1]        | 14400                             |
| t2_EOTEnterGainX_HwDeg_u12p4[1][2]        | 14400                             |
| t2_EOTEnterGainX_HwDeg_u12p4[1][3]        | 14400                             |
| t2_EOTEnterGainX_HwDeg_u12p4[2][0]        | 14400                             |
| t2_EOTEnterGainX_HwDeg_u12p4[2][1]        | 14400                             |
| t2_EOTEnterGainX_HwDeg_u12p4[2][2]        | 14400                             |
| t2_EOTEnterGainX_HwDeg_u12p4[2][3]        | 14400                             |
| t2_EOTEnterGainX_HwDeg_u12p4[3][0]        | 14400                             |
| t2_EOTEnterGainX_HwDeg_u12p4[3][1]        | 14400                             |
| t2_EOTEnterGainX_HwDeg_u12p4[3][2]        | 14400                             |
| t2_EOTEnterGainX_HwDeg_u12p4[3][3]        | 14400                             |
| t2_EOTEnterGainY_Uls_u1p15[0][0]          | 32768                             |
| t2_EOTEnterGainY_Uls_u1p15[0][1]          | 32768                             |
| t2_EOTEnterGainY_Uls_u1p15[0][2]          | 32768                             |
| t2_EOTEnterGainY_Uls_u1p15[0][3]          | 32768                             |
| t2_EOTEnterGainY_Uls_u1p15[1][0]          | 32768                             |
| t2_EOTEnterGainY_Uls_u1p15[1][1]          | 32768                             |
| t2_EOTEnterGainY_Uls_u1p15[1][2]          | 32768                             |
| t2_EOTEnterGainY_Uls_u1p15[1][3]          | 32768                             |
| t2_EOTEnterGainY_Uls_u1p15[2][0]          | 32768                             |
| t2_EOTEnterGainY_Uls_u1p15[2][1]          | 32768                             |
| t2_EOTEnterGainY_Uls_u1p15[2][2]          | 32768                             |
| t2_EOTEnterGainY_Uls_u1p15[2][3]          | 32768                             |
| t2_EOTEnterGainY_Uls_u1p15[3][0]          | 32768                             |
| t2 EOTEnterGainY Uls u1p15[3][1]          | 32768                             |
| t2 EOTEnterGainY Uls u1p15[3][2]          | 32768                             |
| t2_EOTEnterGainY_Uls_u1p15[3][3]          | 32768                             |

© Report created by TESSY V3.1.11, report template V2.1

3

2015-06-29, 18:31:27+0530



EOTActuatorMng\_Per1

|  |   | • "                       |        |
|--|---|---------------------------|--------|
| Name   | Input Value                             |                           |        |
| t2_EOTExPosDepDmpTblY_MtrNmpRadps_u0p16[0][0]  | 983                                     |                           |        |
| t2_EOTExPosDepDmpTblY_MtrNmpRadps_u0p16[0][1]  | 983                                     |                           |        |
| t2_EOTExPosDepDmpTblY_MtrNmpRadps_u0p16[1][0]  | 983                                     |                           |        |
| t2_EOTExPosDepDmpTbIY_MtrNmpRadps_u0p16[1][1]  | 983                                     |                           |        |
| t2_EOTExPosDepDmpTblY_MtrNmpRadps_u0p16[2][0]  | 983                                     |                           |        |
| t2_EOTExPosDepDmpTblY_MtrNmpRadps_u0p16[2][1]  | 983                                     |                           |        |
| t2_EOTExPosDepDmpTblY_MtrNmpRadps_u0p16[3][0]  | 983                                     |                           |        |
| t2_EOTExPosDepDmpTblY_MtrNmpRadps_u0p16[3][1]  | 983                                     |                           |        |
| t2_EOTPosDepDmpTblX_HwDeg_u12p4[0][0]  | 5760                                    |                           |        |
| t2_EOTPosDepDmpTblX_HwDeg_u12p4[0][1]  | 5760                                    |                           |        |
| t2_EOTPosDepDmpTblX_HwDeg_u12p4[1][0]  | 5760                                    |                           |        |
| t2_EOTPosDepDmpTblX_HwDeg_u12p4[1][1]  | 5760<br>5760                            |                           |        |
| t2_EOTPosDepDmpTblX_HwDog_u12p4[2][0]  | 5760<br>5760                            |                           |        |
| t2_EOTPosDepDmpTblX_HwDeg_u12p4[2][1]  | 5760                                    |                           |        |
| t2_EOTPosDepDmpTbIX_HwDeg_u12p4[3][0]<br>t2_EOTPosDepDmpTbIX_HwDeg_u12p4[3][1]   | 5760                                    |                           |        |
| t2_EOTPosDepDmpTblY_MtrNmpRadpS_u0p16[0][0]  | 983                                     |                           |        |
| t2_EOTPosDepDmpTblY_MtrNmpRadpS_u0p16[0][1]  | 983                                     |                           |        |
| t2_EOTPosDepDmpTblY_MtrNmpRadpS_u0p16[1][0]  | 983                                     |                           |        |
| t2_EOTPosDepDmpTblY_MtrNmpRadpS_u0p16[1][1]  | 983                                     |                           |        |
| t2_EOTPosDepDmpTblY_MtrNmpRadpS_u0p16[2][0]  | 983                                     |                           |        |
| t2_EOTPosDepDmpTbIY_MtrNmpRadpS_u0p16[2][1]  | 983                                     |                           |        |
| t2_EOTPosDepDmpTblY_MtrNmpRadpS_u0p16[3][0]  | 983                                     |                           |        |
| t2_EOTPosDepDmpTblY_MtrNmpRadpS_u0p16[3][1]  | 983                                     |                           |        |
| t_EOTDmpVspd_Kph_u9p7[0]   | 32640                                   |                           |        |
| t_EOTDmpVspd_Kph_u9p7[1]   | 32640                                   |                           |        |
| t_EOTDmpVspd_Kph_u9p7[2]   | 32640                                   |                           |        |
| t_EOTDmpVspd_Kph_u9p7[3]   | 32640                                   |                           |        |
| t_EOTEnterGainVspd_Kph_u9p7[0]   | 32640                                   |                           |        |
| t_EOTEnterGainVspd_Kph_u9p7[1]   | 32640                                   |                           |        |
| t_EOTEnterGainVspd_Kph_u9p7[2]   | 32640                                   |                           |        |
| t_EOTEnterGainVspd_Kph_u9p7[3]   | 32640                                   |                           |        |
| t_SpdlptTblXTbl_HwDeg_u12p4[0]   | 2880                                    |                           |        |
| t_SpdIptTbIXTbI_HwDeg_u12p4[1]   | 2880                                    |                           |        |
| t_SpdlptTblYTbl_MtrRadpS_u12p4[0]  | 65520                                   |                           |        |
| t_SpdlptTblYTbl_MtrRadpS_u12p4[1]  | 65520                                   |                           |        |
| t_TrqTableX_HwNm_u8p8[0]   | 2560                                    |                           |        |
| t_TrqTableX_HwNm_u8p8[1]<br>t TrqTbIY Uls u2p14[0]   | 16384                                   |                           |        |
| t_TrqTblY_Uls_u2p14[1]   | 16384                                   |                           |        |
| target EOTActuatorMng Per1 CcwEOT HwDeg f32.value  | -500.440002                             |                           |        |
| target_EOTActuatorMng_Per1_CcwFound_Cnt_lgc.value  | 1                                       |                           |        |
| target_EOTActuatorMng_Per1_CwEOT_HwDeg_f32.value   | 500.049988                              |                           |        |
| target_EOTActuatorMng_Per1_CwFound_Cnt_lgc.value   | 1                                       |                           |        |
| target_EOTActuatorMng_Per1_EOTDisable_Cnt_lgc.value  | 1                                       |                           |        |
| target EOTActuatorMng Per1 HandWheelAuth Uls f32.value   | 1                                       |                           |        |
| target_EOTActuatorMng_Per1_HandWheelPos_HwDeg_f32.value  | -200.029999                             |                           |        |
| target_EOTActuatorMng_Per1_HwTorque_HwNm_f32.value   | 10                                      |                           |        |
| target_EOTActuatorMng_Per1_MotorVel_MtrRadpS_f32.value   | 0.200000003                             |                           |        |
| target_EOTActuatorMng_Per1_OutputRampMultLtd_Uls_f32.value   | 0                                       |                           |        |
| target_EOTActuatorMng_Per1_VehicleSpeed_Kph_f32.value  | 8.02000046                              |                           |        |
| $target\_Rte\_Inst\_Ap\_EOTActuatorMng.EOTActuatorMng\_Per1\_AssistEOTDamping\_Per1\_AssisTEOTDamping\_Per1\_AssisTEOTD$                                       | target_EOTActuatorMng_Per1_AssistEOTDa  | mping_MtrNm_f32           |        |
| $target\_Rte\_Inst\_Ap\_EOTActuatorMng.EOTActuatorMng\_Per1\_AssistEOTGain\_Uls\_Inst\_Ap\_EOTActuatorMng\_Per1\_AssistEOTGain\_Uls\_Inst\_Ap\_EOTActuatorMng\_Per1\_AssistEOTGain\_Uls\_Inst\_Ap\_EOTActuatorMng\_Per1\_AssistEOTGain\_Uls\_Inst\_Ap\_EOTActuatorMng\_Per1\_AssistEOTGain\_Uls\_Inst\_Ap\_EOTActuatorMng\_Per1\_AssistEOTGain\_Uls\_Inst\_Ap\_EOTActuatorMng\_Per1\_AssistEOTGain\_Uls\_Inst\_Ap\_EOTActuatorMng\_Per1\_AssistEOTGain\_Uls\_Inst\_Ap\_EOTActuatorMng\_Per1\_AssistEOTGain\_Uls\_Inst\_Ap\_EOTActuatorMng\_Per1\_AssistEOTGain\_Uls\_Inst\_Ap\_EOTActuatorMng\_Per1\_AssistEOTGain\_Uls\_Inst\_Ap\_EOTActuatorMng\_Per1\_AssistEOTGain\_Uls\_Inst\_Ap\_EOTActuatorMng\_Per1\_AssistEOTGain\_Uls\_Inst\_Ap\_EOTActuatorMng\_Per1\_AssistEOTGain\_Uls\_Inst_Ap\_EOTActuatorMng\_Per1\_AssistEOTGain\_Uls\_Inst_Ap\_EOTActuatorMng\_Per1\_AssistEOTGain\_Uls\_Inst_Ap\_EOTActuatorMng\_Per1\_AssistEOTGain\_Uls\_Ap\_EOTActuatorMng\_Per1\_AssistEOTActuatorMng\_Per1\_AssistEOTActuatorMng\_Per1\_AssistEOTActuatorMng\_Per1\_AssistEOTActuatorMng\_Ap\_EOTActuatorMng\_Ap$ EOTACTUATORMNG\_ApUTACTUATORMNG\_ApUTACTUATORMNG\_ApUTACTUATORMNG\_ApUTACTUATORMNG\_ApUTACTUATORMNG\_ApUTACTUATORMNG\_ApUTACTUATORMNG\_ApUTACTUATORMNG\_ApUTACTUATORMNG\_ApUTACTUATORMNG\_ApUTACTUATORMNG\_ApUTACTUATORMNG\_ApUT | target_EOTActuatorMng_Per1_AssistEOTGa  | ain_Uls_f32               |        |
| $target\_Rte\_Inst\_Ap\_EOTActuatorMng.EOTActuatorMng\_Per1\_AssistEOTLimit\_MtrNer(App_EOTActuatorMng) = 0.0000000000000000000000000000000000$  | target_EOTActuatorMng_Per1_AssistEOTLin | nit_MtrNm_f32             |        |
| target_Rte_Inst_Ap_EOTActuatorMng.EOTActuatorMng_Per1_CcwEOT_HwDeg_f3  |   | ·-                        |        |
| $target\_Rte\_Inst\_Ap\_EOTActuatorMng.EOTActuatorMng\_Per1\_CcwFound\_Cnt\_Igc$   | target_EOTActuatorMng_Per1_CcwFound_C   | =0                        |        |
| target_Rte_Inst_Ap_EOTActuatorMng.EOTActuatorMng_Per1_CwEOT_HwDeg_f32  |   | <del></del>               |        |
| target_Rte_Inst_Ap_EOTActuatorMng.EOTActuatorMng_Per1_CwFound_Cnt_Igc  | target_EOTActuatorMng_Per1_CwFound_Cr   |                           |        |
| target_Rte_Inst_Ap_EOTActuatorMng.EOTActuatorMng_Per1_EOTDisable_Cnt_Igc   |   |                           |        |
| target Rte Inst Ap EOTActuatorMng.EOTActuatorMng Per1 HandWheelAuth Uls  |   |                           |        |
| target_Rte_Inst_Ap_EOTActuatorMng.EOTActuatorMng_Per1_HandWheelPos_Hwl   |   |                           |        |
| target_Rte_Inst_Ap_EOTActuatorMng.EOTActuatorMng_Per1_HwTorque_HwNm_f  |   |                           |        |
| target_Rte_Inst_Ap_EOTActuatorMng_EOTActuatorMng_Per1_MotorVel_MtrRadpS  | · - · ·                                 | · <del>-</del>            |        |
| target_Rte_Inst_Ap_EOTActuatorMng_EOTActuatorMng_Per1_OutputRampMultLtd_   |   |                           |        |
| target_Rte_Inst_Ap_EOTActuatorMng.EOTActuatorMng_Per1_VehicleSpeed_Kph_  | target_EOTActuatorMng_Per1_VehicleSpeed |                           | D      |
| Name   | Actual Value                            | Expected Value            | Result |
| EOTActuatorMng_Damping_MtrNm_M_f32   | 6.4000001                               | 6.4000001 ± 0.0000390625  |        |
| EOTActuatorMng_EOTImpactPos_HwDeg_M_f32  | 1440.10999                              | 1440.10999 ± 0.0000390625 |        |

| Name                                      | Actual Value | Expected Value            | Result |  |
|---|--------------|---------------------------|--------|--|
| EOTActuatorMng_Damping_MtrNm_M_f32        | 6.4000001    | 6.4000001 ± 0.0000390625  | ~      |  |
| EOTActuatorMng_EOTImpactPos_HwDeg_M_f32   | 1440.10999   | 1440.10999 ± 0.0000390625 | ~      |  |
| EOTActuatorMng_FiltEOTGainSV_HwNm_M_u1p31 | 2147483648   | 2147483648 ± 1            | ~      |  |
| EOTActuatorMng_FiltHWTrqSV_HwNm_M_s7p24   | 11238400     | 11238400 ± 1              | •      |  |
| EOTActuatorMng_OutputRampMultLtd_M_f32    | 0            | 0 ± 0.00390625            | ~      |  |
| EOTActuatorMng_PrevEOTGain_Uls_M_f32      | 1            | 1 ± 0.0625                | ~      |  |
| EOTActuatorMng SESState Uls M enum        | SES DISABLED | SES DISABLED              | ~      |  |

2015-06-29, 18:31:27+0530



EOTActuatorMng\_Per1

| Name  | Actual Value | Expected Value             | Result   |  |
|---|--------------|----------------------------|----------|--|
| target_EOTActuatorMng_Per1_AssistEOTDamping_MtrNm_f32.value | 0            | 0 ± 0.00048828125          | <b>✓</b> |  |
| target_EOTActuatorMng_Per1_AssistEOTGain_Uls_f32.value      | 1            | 1 ± 0.0000390625           | <b>✓</b> |  |
| target EOTActuatorMng Per1 AssistEOTLimit MtrNm f32.value   | 8.80000019   | 8.80000019 ± 0.00048828125 | <b>✓</b> |  |

| T ✓  |       |  |       |          |  |
|--|-------|--|-------|----------|--|
| Actual Function                                    | Count | Expected Function                                  | Count | Result   |  |
| Rte_Call_EOTActuatorMng_Per1_CP0_CheckpointReached | 1     | Rte_Call_EOTActuatorMng_Per1_CP0_CheckpointReached | 1     | ~        |  |
| EOTDetermination                                   | 1     | EOTDetermination                                   | 1     | ~        |  |
| SES_DetLmtPos                                      | 1     | SES_DetLmtPos                                      | 1     | ~        |  |
| SES_CalcExitGain                                   | 1     | SES_CalcExitGain                                   | 1     | <b>~</b> |  |
| IntplVarXY_u16_u16Xu16Y_Cnt                        | 1     | IntplVarXY_u16_u16Xu16Y_Cnt                        | 1     | ~        |  |
| SES_CalcEnterGain                                  | 1     | SES_CalcEnterGain                                  | 1     | <b>~</b> |  |
| SES_CalcEOTGain                                    | 1     | SES_CalcEOTGain                                    | 1     | ~        |  |
| SES_FiltEOTGain                                    | 1     | SES_FiltEOTGain                                    | 1     | ~        |  |
| SES_CalcEOTDamp                                    | 1     | SES_CalcEOTDamp                                    | 1     | ~        |  |
| SES_StateCtrl                                      | 1     | SES_StateCtrl                                      | 1     | <b>✓</b> |  |
| Rte_Call_EOTActuatorMng_Per1_CP1_CheckpointReached | 1     | Rte_Call_EOTActuatorMng_Per1_CP1_CheckpointReached | 1     | ~        |  |

| Name  | Input Value                         |
|---|-------------------------------------|
| EOTActuatorMng_Damping_MtrNm_M_f32                                | -6.80000019                         |
| EOTActuatorMng EOTImpactPos HwDeg M f32                           | 789.5                               |
| EOTActuatorMng FiltEOTGainSV HwNm M u1p31                         | 1009317315                          |
| EOTActuatorMng_FiltHWTrqSV_HwNm_M_s7p24                           | 23991419                            |
| EOTActuatorMng_PrevEOTGain_Uls_M_f32                              | 0.649999976                         |
| EOTActuatorMng_SESState_Uls_M_enum                                | SES NORMAL                          |
|   | _                                   |
| Rte_Inst_Ap_EOTActuatorMng  | target_Rte_Inst_Ap_EOTActuatorMng 0 |
| C_EOTActiveRegionBypassMaxThresh_Uls_f32                          | 3200                                |
| C_EOTDefitPosition_HwDeg_u12p4                                    |                                     |
| C_EOTDeltaTrqThrsh_HwNm_u9p7                                      | 1152                                |
| <pre>c_EOTDynConf_Uls_u8p8</pre>                                  | 0                                   |
| C_EOTEnterLPFKn_Cnt_u16   | 6544                                |
| C_EOTExitLPFKn_Cnt_u16  | 111                                 |
| c_EOTImpSpdEn_Kph_u9p7  | 5376                                |
| C_EOTOriginalImpactandSoftEnd_Cnt_lgc                             | 1                                   |
| C_EOTPosDepDempFinalSlew_MtrNmpS_T_f32                            | 20.2399998                          |
| c_EOTStateHwTrqLPFKn_Cnt_u16                                      | 3754                                |
| c_MaxRackTrvl_HwDeg_u12p4   | 1776                                |
| C_MinRackTrvl_HwDeg_u12p4   | 12800                               |
| c_PosRampStep_HwDeg_u12p4   | 10848                               |
| s_SoftStopEOTEnable_Cnt_lgc                                       | 1                                   |
| C_SpdIptScale_MtrNmpRadpS_u4p12                                   | 80                                  |
| 2_EOTEnterGainX_HwDeg_u12p4[0][0]                                 | 0                                   |
| 2_EOTEnterGainX_HwDeg_u12p4[0][1]                                 | 480                                 |
| 2_EOTEnterGainX_HwDeg_u12p4[0][2]                                 | 960                                 |
| 2_EOTEnterGainX_HwDeg_u12p4[0][3]                                 | 1440                                |
| 2_EOTEnterGainX_HwDeg_u12p4[1][0]                                 | 0                                   |
| 2_EOTEnterGainX_HwDeg_u12p4[1][1]                                 | 480                                 |
| 2_EOTEnterGainX_HwDeg_u12p4[1][2]                                 | 960                                 |
| 2_EOTEnterGainX_HwDeg_u12p4[1][3]                                 | 1440                                |
| 2_EOTEnterGainX_HwDeg_u12p4[2][0]                                 | 0                                   |
| 2_EOTEnterGainX_HwDeg_u12p4[2][1]                                 | 480                                 |
| 2_EOTEnterGainX_HwDeg_u12p4[2][2]                                 | 960                                 |
| 2_EOTEnterGainX_HwDeg_u12p4[2][3]                                 | 1440                                |
| 2_EOTEnterGainX_HwDeg_u12p4[3][0]                                 | 0                                   |
| 2_EOTEnterGainX_HwDeg_u12p4[3][1]                                 | 480                                 |
| 2_EOTEnterGainX_HwDeg_u12p4[3][2]                                 | 960                                 |
| 2_EOTEnterGainX_HwDeg_u12p4[3][3]                                 | 1440                                |
| 2_EOTEnterGainY_Uls_u1p15[0][0]                                   | 0                                   |
| 2_EOTEnterGainY_Uls_u1p15[0][1]                                   | 10813                               |
| 2_EOTEnterGainY_Uls_u1p15[0][2]                                   | 21627                               |
| 2_EOTEnterGainY_Uls_u1p15[0][3]                                   | 32768                               |
| 2_EOTEnterGainY_Uls_u1p15[1][0]                                   | 0                                   |
| 2_EOTEnterGainY_Uls_u1p15[1][1]                                   | 10813                               |
| 2_EOTEnterGainY_Uls_u1p15[1][2]                                   | 21627                               |
| 2_EOTEnterGainY_Uls_u1p15[1][3]                                   | 32768                               |
| 2_EOTEnterGainY_Uls_u1p15[2][0]                                   | 0                                   |
| 2_EOTEnterGainY_Uls_u1p15[2][1]                                   | 10813                               |
| 2_EOTEItielGain1_Gis_u1p15[2][1] 2_EOTEItierGainY_Uls_u1p15[2][2] | 21627                               |
| 2_EOTEItierGain1_Uis_u1p15[2][2] 2_EOTEItierGainY_Uis_u1p15[2][3] | 32768                               |

2015-06-29, 18:31:27+0530



EOTActuatorMng\_Per1

| Name   | Input Value                             |                            |          |
|--|---|----------------------------|----------|
| t2_EOTEnterGainY_Uls_u1p15[3][0]   | 0                                       |                            |          |
| t2_EOTEnterGainY_Uls_u1p15[3][1]   | 10813                                   |                            |          |
| t2_EOTEnterGainY_Uls_u1p15[3][2]   | 21627                                   |                            |          |
| t2_EOTEnterGainY_Uls_u1p15[3][3]   | 32768                                   |                            |          |
| t2_EOTExPosDepDmpTblY_MtrNmpRadps_u0p16[0][0]  | 0                                       |                            |          |
| t2_EOTExPosDepDmpTblY_MtrNmpRadps_u0p16[0][1]  | 256                                     |                            |          |
| t2_EOTExPosDepDmpTblY_MtrNmpRadps_u0p16[1][0]  | 154                                     |                            |          |
| t2_EOTExPosDepDmpTblY_MtrNmpRadps_u0p16[1][1]  | 512                                     |                            |          |
| t2_EOTExPosDepDmpTblY_MtrNmpRadps_u0p16[2][0]  | 94                                      |                            |          |
| t2_EOTExPosDepDmpTblY_MtrNmpRadps_u0p16[2][1]  | 305                                     |                            |          |
| t2_EOTExPosDepDmpTblY_MtrNmpRadps_u0p16[3][0]  | 160                                     |                            |          |
| t2_EOTExPosDepDmpTblY_MtrNmpRadps_u0p16[3][1]  | 224                                     |                            |          |
| t2_EOTPosDepDmpTblX_HwDeg_u12p4[0][0]  | 0                                       |                            |          |
| t2_EOTPosDepDmpTblX_HwDeg_u12p4[0][1]  | 320                                     |                            |          |
| t2_EOTPosDepDmpTblX_HwDeg_u12p4[1][0]  | 0                                       |                            |          |
| t2_EOTPosDepDmpTbIX_HwDeg_u12p4[1][1]  | 320                                     |                            |          |
| t2_EOTPosDepDmpTbIX_HwDeg_u12p4[2][0]  | 0                                       |                            |          |
| t2_EOTPosDepDmpTbIX_HwDeg_u12p4[2][1]  | 0                                       |                            |          |
| t2_EOTPosDepDmpTblX_HwDog_u12p4[3][0]  |   |                            |          |
| t2_EOTPosDepDmpTblX_HwDeg_u12p4[3][1] t2_EOTPosDepDmpTblY_MtrNmpRadpS_u0p16[0][0]  | 0                                       |                            |          |
| t2_EOTPosDepDmpTblY_MtrNmpRadpS_u0p16[0][0] t2_EOTPosDepDmpTblY_MtrNmpRadpS_u0p16[0][1]  | 128                                     |                            |          |
| t2_EOTPosDepDmp1btY_MtrNmpRadpS_u0p16[0][1] t2_EOTPosDepDmp7btY_MtrNmpRadpS_u0p16[1][0]  | 146                                     |                            |          |
| t2_EOTPosDepDmpTblY_MtrNmpRadpS_u0p16[1][0] t2_EOTPosDepDmpTblY_MtrNmpRadpS_u0p16[1][1]  | 416                                     |                            |          |
| t2 EOTPosDepDmpTblY MtrNmpRadpS_u0p16[1][1]  | 305                                     |                            |          |
| t2_EOTPosDepDmpTblY_MtrNmpRadpS_u0p16[2][1]  | 640                                     |                            |          |
| t2_EOTPosDepDmpTblY_MtrNmpRadpS_u0p16[3][0]  | 93                                      |                            |          |
| t2 EOTPosDepDmpTblY MtrNmpRadpS u0p16[3][1]  | 448                                     |                            |          |
| t_EOTDmpVspd_Kph_u9p7[0]   | 0                                       |                            |          |
| t_EOTDmpVspd_Kph_u9p7[1]   | 640                                     |                            |          |
| t_EOTDmpVspd_Kph_u9p7[2]   | 1280                                    |                            |          |
| t_EOTDmpVspd_Kph_u9p7[3]   | 2560                                    |                            |          |
| t_EOTEnterGainVspd_Kph_u9p7[0]   | 0                                       |                            |          |
| t_EOTEnterGainVspd_Kph_u9p7[1]   | 640                                     |                            |          |
| t_EOTEnterGainVspd_Kph_u9p7[2]   | 1280                                    |                            |          |
| t_EOTEnterGainVspd_Kph_u9p7[3]   | 2816                                    |                            |          |
| t_SpdlptTblXTbl_HwDeg_u12p4[0]   | 400                                     |                            |          |
| t_SpdlptTblXTbl_HwDeg_u12p4[1]   | 800                                     |                            |          |
| t_SpdlptTblYTbl_MtrRadpS_u12p4[0]  | 288                                     |                            |          |
| t_SpdlptTblYTbl_MtrRadpS_u12p4[1]  | 960                                     |                            |          |
| t_TrqTableX_HwNm_u8p8[0]   | 2304                                    |                            |          |
| t_TrqTableX_HwNm_u8p8[1]   | 2560                                    |                            |          |
| t_TrqTblY_Uls_u2p14[0]   | 16                                      |                            |          |
| t_TrqTblY_Uls_u2p14[1]   | 164                                     |                            |          |
| target_EOTActuatorMng_Per1_CcwEOT_HwDeg_f32.value  | -888.200012                             |                            |          |
| target_EOTActuatorMng_Per1_CcwFound_Cnt_lgc.value  | 1                                       |                            |          |
| target_EOTActuatorMng_Per1_CwEOT_HwDeg_f32.value   | 950.299988                              |                            |          |
| target_EOTActuatorMng_Per1_CwFound_Cnt_lgc.value   | 1                                       |                            |          |
| target_EOTActuatorMng_Per1_EOTDisable_Cnt_lgc.value  | 0                                       |                            |          |
| target_EOTActuatorMng_Per1_HandWheelAuth_Uls_f32.value   | 1                                       |                            |          |
| target_EOTActuatorMng_Per1_HandWheelPos_HwDeg_f32.value  | -800.900024                             |                            |          |
| target_EOTActuatorMng_Per1_HwTorque_HwNm_f32.value   | -10                                     |                            |          |
| target_EOTActuatorMng_Per1_MotorVel_MtrRadpS_f32.value   | 0.100000001                             |                            |          |
| target_EOTActuatorMng_Per1_OutputRampMultLtd_Uls_f32.value   | 10.5                                    |                            |          |
| target_EOTActuatorMng_Per1_VehicleSpeed_Kph_f32.value  | 10.5                                    | maning Machine 500         |          |
| target_Rte_Inst_Ap_EOTActuatorMng.EOTActuatorMng_Per1_AssistEOTDamping_  | ·                                       |                            |          |
| target_Rte_Inst_Ap_EOTActuatorMng.EOTActuatorMng_Per1_AssistEOTGain_Uls_   | 0 _ 0                                   |                            |          |
| target_Rte_Inst_Ap_EOTActuatorMng.EOTActuatorMng.Per1_AssistEOTLimit_Mtr1  |   |                            |          |
| target_Rte_Inst_Ap_EOTActuatorMng.EOTActuatorMng_Per1_CcwEOT_HwDeg_f3  |   | ·-                         |          |
| target_Rte_Inst_Ap_EOTActuatorMng.EOTActuatorMng_Per1_CcwFound_Cnt_lgc<br>target_Rte_Inst_Ap_EOTActuatorMng.EOTActuatorMng_Per1_CwEOT_HwDeg_f32      | target_EOTActuatorMng_Per1_CcwFound_C   |                            |          |
| target_Rte_Inst_Ap_EOTActuatorMng.EOTActuatorMng_Per1_CwEOT_Hwbeg_loz  | target_EOTActuatorMng_Per1_CwEO1_HwL    |                            |          |
| target_Rte_Inst_Ap_EOTActuatorMng.EOTActuatorMng_Per1_EOTDisable_Cnt_lgc   |   |                            |          |
| target_Rte_Inst_Ap_EOTActuatorMng.EOTActuatorMng_Per1_EOTDisable_Clit_igt<br>target_Rte_Inst_Ap_EOTActuatorMng.EOTActuatorMng_Per1_HandWheelAuth_Uls |   |                            |          |
| target Rte Inst Ap EOTActuatorMng.EOTActuatorMng Perl HandWheelPos Hwl   |   |                            |          |
| target_Rte_Inst_Ap_EOTActuatorMng.EOTActuatorMng_Per1_HwTorque_HwNm_f  |   |                            |          |
| target Rte Inst Ap EOTActuatorMng.EOTActuatorMng Per1 MotorVel MtrRadpS  |   | _                          |          |
| target_Rte_Inst_Ap_EOTActuatorMng.EOTActuatorMng_Perl_OutputRampMultLtd  |   |                            |          |
| target Rte Inst Ap EOTActuatorMng.EOTActuatorMng Per1 VehicleSpeed Kph   | target_EOTActuatorMng_Per1_VehicleSpeed |                            |          |
| Name   | Actual Value                            | Expected Value             | Result   |
| EOTActuatorMng Damping MtrNm M f32   | -6.75952005                             | -6.75952005 ± 0.0000390625 | - Acount |
|  | >00=000                                 | 000E000 ± 0.0000000000E0   |          |
| EOTActuatorMng_EOTImpactPos_HwDeg_M_f32  | 800.900024                              | 800.900024 ± 0.0000390625  |          |

908539715

908539715 ± 1

2015-06-29, 18:31:27+0530



| Name  | Actual Value | Expected Value              | Result   |
|---|--------------|-----------------------------|----------|
| EOTActuatorMng_FiltHWTrqSV_HwNm_M_s7p24                     | 32227695     | 32227695 ± 1                | <b>✓</b> |
| EOTActuatorMng_OutputRampMultLtd_M_f32                      | 1            | 1 ± 0.00390625              | ~        |
| EOTActuatorMng_PrevEOTGain_Uls_M_f32                        | 0.423065186  | 0.423065186 ± 0.0625        | ~        |
| EOTActuatorMng_SESState_Uls_M_enum                          | SES_NORMAL   | SES_NORMAL                  | ~        |
| target_EOTActuatorMng_Per1_AssistEOTDamping_MtrNm_f32.value | -6.75952005  | -6.75952005 ± 0.00048828125 | <b>✓</b> |
| target_EOTActuatorMng_Per1_AssistEOTGain_Uls_f32.value      | 0.423065186  | 0.423065186 ± 0.0000390625  | <b>✓</b> |
| target_EOTActuatorMng_Per1_AssistEOTLimit_MtrNm_f32.value   | 0.349609375  | 0.349609375 ± 0.00048828125 | <b>✓</b> |

| T ✓  |       |  |       |        |  |
|--|-------|--|-------|--------|--|
| Actual Function                                    | Count | Expected Function                                  | Count | Result |  |
| Rte_Call_EOTActuatorMng_Per1_CP0_CheckpointReached | 1     | Rte_Call_EOTActuatorMng_Per1_CP0_CheckpointReached | 1     | ~      |  |
| EOTDetermination                                   | 1     | EOTDetermination                                   | 1     | •      |  |
| EOTOrigImpact                                      | 1     | EOTOrigImpact                                      | 1     | •      |  |
| IntplVarXY_u16_u16Xu16Y_Cnt                        | 1     | IntplVarXY_u16_u16Xu16Y_Cnt                        | 1     | ~      |  |
| SES_DetLmtPos                                      | 1     | SES_DetLmtPos                                      | 1     | ~      |  |
| SES_CalcExitGain                                   | 1     | SES_CalcExitGain                                   | 1     | ~      |  |
| IntplVarXY_u16_u16Xu16Y_Cnt                        | 1     | IntplVarXY_u16_u16Xu16Y_Cnt                        | 1     | ~      |  |
| SES_CalcEnterGain                                  | 1     | SES_CalcEnterGain                                  | 1     | •      |  |
| BilinearXMYM_u16_u16XMu16YM_Cnt                    | 1     | BilinearXMYM_u16_u16XMu16YM_Cnt                    | 1     | •      |  |
| SES_CalcEOTGain                                    | 1     | SES_CalcEOTGain                                    | 1     | •      |  |
| SES_FiltEOTGain                                    | 1     | SES_FiltEOTGain                                    | 1     | •      |  |
| SES_CalcEOTDamp                                    | 1     | SES_CalcEOTDamp                                    | 1     | ~      |  |
| BilinearXMYM_u16_u16XMu16YM_Cnt                    | 1     | BilinearXMYM_u16_u16XMu16YM_Cnt                    | 1     | ~      |  |
| SES_StateCtrl                                      | 1     | SES_StateCtrl                                      | 1     | •      |  |
| IntplVarXY_u16_u16Xu16Y_Cnt                        | 2     | IntplVarXY_u16_u16Xu16Y_Cnt                        | 2     | ~      |  |
| Rte_Call_EOTActuatorMng_Per1_CP1_CheckpointReached | 1     | Rte_Call_EOTActuatorMng_Per1_CP1_CheckpointReached | 1     | •      |  |

EOTActuatorMng\_Per1

2015-06-29, 18:31:27+0530



Test Case 2: Boundary Test

2015-06-29, 18:31:27+0530



#### Specification

EOTActuatorMng\_Per1

Performance Metrics (With "None" Instrumentation and WithPS Environment)
CPU Cycles:

TS2.1 1895 cycles
TS2.2 1879 cycles
TS2.3 1893 cycles
TS2.4 1943 cycles
TS2.5 1941 cycles
TS2.6 1992 cycles
TS2.6 1892 cycles
TS2.7 1895 cycles
TS2.9 1905 cycles
TS2.10 1884 cycles
TS2.11 1905 cycles
TS2.11 1905 cycles
TS2.12 1895 cycles
TS2.13 1905 cycles
TS2.13 1905 cycles
TS2.14 1957 cycles
TS2.15 1955 cycles
TS2.15 1955 cycles
TS2.16 1908 cycles
TS2.17 1892 cycles
TS2.18 1895 cycles
TS2.19 1892 cycles
TS2.19 1892 cycles
TS2.19 1892 cycles
TS2.21 1892 cycles
TS2.21 1892 cycles
TS2.22 1895 cycles
TS2.23 1905 cycles
TS2.23 1905 cycles
TS2.24 1895 cycles
TS2.25 1895 cycles
TS2.25 1895 cycles
TS2.26 1895 cycles
TS2.27 1892 cycles
TS2.28 1895 cycles
TS2.28 1895 cycles
TS2.29 1892 cycles
TS2.29 1892 cycles
TS2.31 1905 cycles
TS2.31 1905 cycles
TS2.31 1905 cycles
TS2.33 1895 cycles
TS2.34 1895 cycles
TS2.33 1895 cycles
TS2.34 1895 cycles
TS2.36 1892 cycles
TS2.37 1892 cycles
TS2.38 1895 cycles
TS2.39 1895 cycles
TS2.31 1905 cycles
TS2.31 1905 cycles
TS2.32 1895 cycles
TS2.34 1892 cycles
TS2.35 1908 cycles
TS2.36 1892 cycles
TS2.41 1892 cycles
TS2.42 1895 cycles
TS2.43 1895 cycles
TS2.44 1892 cycles
TS2.49 1890 cycles
TS2.41 1892 cycles
TS2.41 1895 cycles
TS2.43 1895 cycles
TS2.44 1895 cycles
TS2.45 1895 cycles
TS2.46 1895 cycles
TS2.47 1892 cycles
TS2.48 1895 cycles
TS2.49 1880 cycles
TS2.49 1880 cycles
TS2.51 1895 cycles
TS2.55 1994 cycles
TS2.56 1895 cycles
TS2.57 1880 cycles
TS2





#### **Description** Vector Description

TS2.1HwTorque\_HwNm\_f32 = min TS2.2HwTorque\_HwNm\_f32 = max TS2.2HwTorque\_HwNm\_f32 = max
TS2.3HwTorque\_HwNm\_f32 = zero
TS2.4HwTorque\_HwNm\_f32 = neg
TS2.5HwTorque\_HwNm\_f32 = pos
TS2.6CwEOT\_HwDeg\_f32 = min
TS2.7CwEOT\_HwDeg\_f32 = max
TS2.8CwEOT\_HwDeg\_f32 = min
TS2.10CcwEOT\_HwDeg\_f32 = max
TS2.11CcwEOT\_HwDeg\_f32 = neg
TS2.12CwEOUT\_HwDeg\_f32 = neg TS2.11CcwEOT\_HwDeg\_f32 = neg
TS2.12CwFound\_Cnt\_lgc = min
TS2.13CwFound\_Cnt\_lgc = max
TS2.14CcwFound\_Cnt\_lgc = min
TS2.15CcwFound\_Cnt\_lgc = max
TS2.16HandWheelPos\_HwDeg\_f32 = min
TS2.17HandWheelPos\_HwDeg\_f32 = max
TS2.14HandWheelPos\_HwDeg\_f32 = max TS2.18HandWheelPos\_HwDeg\_f32 = zero TS2.19HandWheelPos\_HwDeg\_f32 = neg TS2.29HandWheelPos\_HwDeg\_f32 = pos TS2.21HandWheelAuth\_Uls\_f32 = min TS2.22HandWheelAuth\_Uls\_f32 = max TS2.22HandWheelAuth\_Uls\_f32 = pos TS2.23HandWheelAuth\_Uls\_f32 = pos TS2.24MotorVel\_MtrRadpS\_f32 = min TS2.25MotorVel\_MtrRadpS\_f32 = max TS2.26MotorVel\_MtrRadpS\_f32 = zero TS2.27MotorVel\_MtrRadpS\_f32 = neg TS2.28MotorVel\_MtrRadpS\_f32= pos TS2.28MotorVel\_MtrRadpS\_32= pos
TS2.29VehicleSpeed\_Kph\_f32 = min
TS2.30VehicleSpeed\_Kph\_f32 = max
TS2.31VehicleSpeed\_Kph\_f32 = pos
TS2.32EOTImpactPos\_HwDeg\_M\_f32 = min
TS2.33EOTImpactPos\_HwDeg\_M\_f32 = max
TS2.34EOTImpactPos\_HwDeg\_M\_f32 = max
TS2.34EOTImpactPos\_HwDeg\_M\_f32 = pos
TS2.35FiltHWTrqSV\_HwNm\_M\_s7p24= min
TS2.36FiltHWTrqSV\_HwNm\_M\_s7p24= max
TS2.37FiltHWTrqSV\_HwNm\_M\_s7p24= pos
TS2.38FiltHWTrqSV\_HwNm\_M\_s7p24= pos
TS2.39FiltHWTrqSV\_HwNm\_M\_s7p24= neg
TS2.40SESState\_Uls\_M\_enum = min
TS2.41SESState\_Uls\_M\_enum = 1 TS2.41SESState\_UIs\_M\_enum = 1 TS2.42SESState\_UIs\_M\_enum = 2 TS2.43SESState\_UIs\_M\_enum = max TS2.44FiltEOTGainSV\_HwNm\_M\_u1p31 = min
TS2.45FiltEOTGainSV\_HwNm\_M\_u1p31 = max
TS2.46FiltEOTGainSV\_HwNm\_M\_u1p31 = pos TS2.47PrevEOTGain\_UIs\_M\_f32= min TS2.48PrevEOTGain\_UIs\_M\_f32= max TS2.49PrevEOTGain\_UIs\_M\_f32= mid TS2.50EOTDisable\_Cnt\_lgc min
TS2.51EOTDisable\_Cnt\_lgc max
TS2.52EOTActuatorMng\_Damping\_MtrNm\_M\_f32=min
TS2.53EOTActuatorMng\_Damping\_MtrNm\_M\_f32=max IS2.53EUTActuatorMng\_Damping\_MtrNm\_M\_f32=max
TS2.54EOTActuatorMng\_Damping\_MtrNm\_M\_f32=zero
TS2.55EOTActuatorMng\_Damping\_MtrNm\_M\_f32=neg
TS2.56EOTActuatorMng\_Damping\_MtrNm\_M\_f32=pos
TS2.57k\_EOTOriginalImpactandSoftEnd\_Cnt\_Igc=min/default
TS2.58k\_EOTOriginalImpactandSoftEnd\_Cnt\_Igc=max
TS2.59k\_EOTPosDepDempFinalSlew\_MtrNmpS\_T\_f32=max
TS2.60k\_EOTPosDepDempFinalSlew\_MtrNmpS\_T\_f32=max TS2.61k\_EOTPosDepDempFinalSlew\_MtrNmpS\_T\_f32=pos/default TS2.62k\_EOTPosDepDempFinalSlew\_MtrNmpS\_T\_f32=mid TS2.63EOTActuatorMng\_OutputRampMultLtd\_M\_f32 = min TS2.64EOTActuatorMng\_OutputRampMultLtd\_M\_f32 = max TS2.65EOTActuatorMng\_OutputRampMultLtd\_M\_f32 = mid TS2.67All max

| Test Step 2.1 (Repeat Count = 1)          |                                   |
|---|-----------------------------------|
| Name                                      | Input Value                       |
| EOTActuatorMng_Damping_MtrNm_M_f32        | -8.80000019                       |
| EOTActuatorMng_EOTImpactPos_HwDeg_M_f32   | 789.052002                        |
| EOTActuatorMng_FiltEOTGainSV_HwNm_M_u1p31 | 1009317315                        |
| EOTActuatorMng_FiltHWTrqSV_HwNm_M_s7p24   | 23991419                          |
| EOTActuatorMng_PrevEOTGain_Uls_M_f32      | 0.64999976                        |
| EOTActuatorMng_SESState_Uls_M_enum        | SES_NORMAL                        |
| Rte_Inst_Ap_EOTActuatorMng                | target_Rte_Inst_Ap_EOTActuatorMng |
| k_EOTActiveRegionBypassMaxThresh_Uls_f32  | 0.99000001                        |
| k_EOTDefltPosition_HwDeg_u12p4            | 3200                              |
| k_EOTDeltaTrqThrsh_HwNm_u9p7              | 1152                              |
| k_EOTDynConf_Uls_u8p8                     | 0                                 |
| k_EOTEnterLPFKn_Cnt_u16                   | 6544                              |
| k_EOTExitLPFKn_Cnt_u16                    | 111                               |
| k_EOTImpSpdEn_Kph_u9p7                    | 5376                              |
| k_EOTOriginalImpactandSoftEnd_Cnt_lgc     | 0                                 |
| k_EOTPosDepDempFinalSlew_MtrNmpS_T_f32    | 0                                 |
| k_EOTStateHwTrqLPFKn_Cnt_u16              | 3754                              |

2015-06-29, 18:31:27+0530



EOTActuatorMng Per1 Input Value k\_MaxRackTrvl\_HwDeg\_u12p4 1776 14400 k\_MinRackTrvl\_HwDeg\_u12p4 10848 k\_PosRampStep\_HwDeg\_u12p4 k\_SoftStopEOTEnable\_Cnt\_lgc k SpdlptScale MtrNmpRadpS u4p12 80 t2\_EOTEnterGainX\_HwDeg\_u12p4[0][0] 0 t2\_EOTEnterGainX\_HwDeg\_u12p4[0][1] 80 t2\_EOTEnterGainX\_HwDeg\_u12p4[0][2] 176 t2\_EOTEnterGainX\_HwDeg\_u12p4[0][3] 320 t2\_EOTEnterGainX\_HwDeg\_u12p4[1][0] 480 1424 t2\_EOTEnterGainX\_HwDeg\_u12p4[1][1] t2\_EOTEnterGainX\_HwDeg\_u12p4[1][2] 1440 t2\_EOTEnterGainX\_HwDeg\_u12p4[1][3] 1456 t2\_EOTEnterGainX\_HwDeg\_u12p4[2][0] 1120 t2\_EOTEnterGainX\_HwDeg\_u12p4[2][1] 3344 t2\_EOTEnterGainX\_HwDeg\_u12p4[2][2] 3360 t2\_EOTEnterGainX\_HwDeg\_u12p4[2][3] 3376 t2\_EOTEnterGainX\_HwDeg\_u12p4[3][0] 1760 t2\_EOTEnterGainX\_HwDeg\_u12p4[3][1] 5264 t2\_EOTEnterGainX\_HwDeg\_u12p4[3][2] 5280 t2\_EOTEnterGainX\_HwDeg\_u12p4[3][3] 5296 t2\_EOTEnterGainY\_Uls\_u1p15[0][0] 0 t2\_EOTEnterGainY\_Uls\_u1p15[0][1] 3 t2\_EOTEnterGainY\_Uls\_u1p15[0][2] 5 t2\_EOTEnterGainY\_Uls\_u1p15[0][3] t2\_EOTEnterGainY\_Uls\_u1p15[1][0] 5 t2\_EOTEnterGainY\_Uls\_u1p15[1][1] 6 t2\_EOTEnterGainY\_Uls\_u1p15[1][2] 29 t2\_EOTEnterGainY\_Uls\_u1p15[1][3] 288 t2\_EOTEnterGainY\_Uls\_u1p15[2][0] 5 t2\_EOTEnterGainY\_Uls\_u1p15[2][1] 5 t2\_EOTEnterGainY\_Uls\_u1p15[2][2] 20 t2 EOTEnterGainY Uls u1p15[2][3] 193 t2\_EOTEnterGainY\_Uls\_u1p15[3][0] 7 t2\_EOTEnterGainY\_Uls\_u1p15[3][1] t2 EOTEnterGainY\_Uls\_u1p15[3][2] 78 t2\_EOTEnterGainY\_Uls\_u1p15[3][3] 763 t2\_EOTExPosDepDmpTblY\_MtrNmpRadps\_u0p16[0][0] 76 t2\_EOTExPosDepDmpTblY\_MtrNmpRadps\_u0p16[0][1] 108 t2 EOTExPosDepDmpTblY MtrNmpRadps u0p16[1][0] 77 t2\_EOTExPosDepDmpTbIY\_MtrNmpRadps\_u0p16[1][1] 108 t2 EOTExPosDepDmpTblY\_MtrNmpRadps\_u0p16[2][0] 77 t2\_EOTExPosDepDmpTblY\_MtrNmpRadps\_u0p16[2][1] 108 t2\_EOTExPosDepDmpTblY\_MtrNmpRadps\_u0p16[3][0] 32 t2\_EOTExPosDepDmpTblY\_MtrNmpRadps\_u0p16[3][1] 44 t2\_EOTPosDepDmpTbIX\_HwDeg\_u12p4[0][0] 448 1120  $t2\_EOTPosDepDmpTblX\_HwDeg\_u12p4[0][1]$ t2\_EOTPosDepDmpTblX\_HwDeg\_u12p4[1][0] 640  $t2\_EOTPosDepDmpTblX\_HwDeg\_u12p4[1][1]$ 1024 t2\_EOTPosDepDmpTblX\_HwDeg\_u12p4[2][0] 640 t2\_EOTPosDepDmpTblX\_HwDeg\_u12p4[2][1] 4016 t2\_EOTPosDepDmpTblX\_HwDeg\_u12p4[3][0] 400 t2\_EOTPosDepDmpTblX\_HwDeg\_u12p4[3][1] 544 t2\_EOTPosDepDmpTblY\_MtrNmpRadpS\_u0p16[0][0] t2\_EOTPosDepDmpTblY\_MtrNmpRadpS\_u0p16[0][1] 44 t2\_EOTPosDepDmpTblY\_MtrNmpRadpS\_u0p16[1][0] 37 t2\_EOTPosDepDmpTblY\_MtrNmpRadpS\_u0p16[1][1] 194 t2\_EOTPosDepDmpTblY\_MtrNmpRadpS\_u0p16[2][0] 62 t2\_EOTPosDepDmpTblY\_MtrNmpRadpS\_u0p16[2][1] 87 t2\_EOTPosDepDmpTblY\_MtrNmpRadpS\_u0p16[3][0] 10 t2\_EOTPosDepDmpTblY\_MtrNmpRadpS\_u0p16[3][1] 452

3840

11392

11520

11648

3840

11392

11520

11648

224

400

544

t EOTDmpVspd Kph u9p7[0]

 $t\_EOTDmpVspd\_Kph\_u9p7[1]$ 

t\_EOTDmpVspd\_Kph\_u9p7[2]

 $t\_EOTDmpVspd\_Kph\_u9p7[3]$ 

t EOTEnterGainVspd Kph u9p7[0]

t\_EOTEnterGainVspd\_Kph\_u9p7[1]

t EOTEnterGainVspd Kph u9p7[2]

t\_EOTEnterGainVspd\_Kph\_u9p7[3]

t\_SpdlptTblXTbl\_HwDeg\_u12p4[0]

t\_SpdlptTblXTbl\_HwDeg\_u12p4[1] t\_SpdlptTblYTbl\_MtrRadpS\_u12p4[0]

 $t\_SpdIptTbIYTbI\_MtrRadpS\_u12p4[1]$ 

2015-06-29, 18:31:27+0530



-8.80000019 ± 0.00048828125

0.423065186 ± 0.0000390625

8.80000019 ± 0.00048828125

EOTActuatorMng\_Per1

| LOTACIdatoriving_r er i   |   |                            | CIPCIO   |
|---|---|----------------------------|----------|
| Name  | Input Value   |                            |          |
| t_TrqTableX_HwNm_u8p8[0]  | 512   |                            |          |
| t_TrqTableX_HwNm_u8p8[1]  | 2304  |                            |          |
| t_TrqTbIY_Uls_u2p14[0]  | 16  |                            |          |
| t_TrqTblY_Uls_u2p14[1]  | 164   |                            |          |
| target_EOTActuatorMng_Per1_CcwEOT_HwDeg_f32.value   | -888.109985   |                            |          |
| target_EOTActuatorMng_Per1_CcwFound_Cnt_lgc.value   | 1   |                            |          |
| target_EOTActuatorMng_Per1_CwEOT_HwDeg_f32.value  | 950.544006  |                            |          |
| target_EOTActuatorMng_Per1_CwFound_Cnt_lgc.value  | 1   |                            |          |
| target_EOTActuatorMng_Per1_EOTDisable_Cnt_lgc.value   | 0   |                            |          |
| target_EOTActuatorMng_Per1_HandWheelAuth_Uls_f32.value  | 0.779999971   |                            |          |
| target_EOTActuatorMng_Per1_HandWheelPos_HwDeg_f32.value   | 800.01001   |                            |          |
| target_EOTActuatorMng_Per1_HwTorque_HwNm_f32.value  | -10   |                            |          |
| target_EOTActuatorMng_Per1_MotorVel_MtrRadpS_f32.value  | 0.100000001   |                            |          |
| target_EOTActuatorMng_Per1_OutputRampMultLtd_Uls_f32.value  | 0.996999979   |                            |          |
| target_EOTActuatorMng_Per1_VehicleSpeed_Kph_f32.value   | 10.0100002  |                            |          |
| target Rte Inst Ap EOTActuatorMng.EOTActuatorMng Per1 AssistEOTDamping  | target_EOTActuatorMng_Per1_AssistEOTD                     | amping_MtrNm_f32           |          |
| target_Rte_Inst_Ap_EOTActuatorMng.EOTActuatorMng_Per1_AssistEOTGain_Uls_  | target_EOTActuatorMng_Per1_AssistEOTG                     | ain_Uls_f32                |          |
| $target\_Rte\_Inst\_Ap\_EOTActuatorMng\_EOTActuatorMng\_Per1\_AssistEOTLimit\_Mtrice and the property of the property$  | _Mtrl target_EOTActuatorMng_Per1_AssistEOTLimit_MtrNm_f32 |                            |          |
| target_Rte_Inst_Ap_EOTActuatorMng.EOTActuatorMng_Per1_CcwEOT_HwDeg_f3   | target_EOTActuatorMng_Per1_CcwEOT_H                       | wDeg_f32                   |          |
| $target\_Rte\_Inst\_Ap\_EOTActuatorMng.EOTActuatorMng\_Per1\_CcwFound\_Cnt\_lgc$  | _lgc target_EOTActuatorMng_Per1_CcwFound_Cnt_lgc          |                            |          |
| target_Rte_Inst_Ap_EOTActuatorMng.EOTActuatorMng_Per1_CwEOT_HwDeg_f32   | target_EOTActuatorMng_Per1_CwEOT_Hw                       | Deg_f32                    |          |
| $target\_Rte\_Inst\_Ap\_EOTActuatorMng.EOTActuatorMng\_Per1\_CwFound\_Cnt\_lgc$   | target_EOTActuatorMng_Per1_CwFound_C                      | cnt_lgc                    |          |
| $target\_Rte\_Inst\_Ap\_EOTActuatorMng.EOTActuatorMng\_Per1\_EOTDisable\_Cnt\_Igrams and the property of the property$  | target_EOTActuatorMng_Per1_EOTDisable                     | _Cnt_lgc                   |          |
| $target\_Rte\_Inst\_Ap\_EOTActuatorMng.EOTActuatorMng\_Per1\_HandWheelAuth\_Ulstarget\_Rte\_Inst\_Ap\_EOTActuatorMng.EOTActuatorMng\_Per1\_HandWheelAuth\_Ulstarget\_Rte\_Inst\_Ap\_EOTActuatorMng.EOTActuatorMng\_Per1\_HandWheelAuth\_Ulstarget\_Rte\_Inst\_Ap\_EOTActuatorMng.EOTActuatorMng\_Per1\_HandWheelAuth\_Ulstarget\_Rte\_Inst\_Ap\_EOTActuatorMng.EOTActuatorMng\_Per1\_HandWheelAuth\_Ulstarget\_Rte\_Inst\_Ap\_EOTActuatorMng.EOTAc$   | target_EOTActuatorMng_Per1_HandWheel                      | Auth_Uls_f32               |          |
| target Rte Inst Ap EOTActuatorMng.EOTActuatorMng Per1 HandWheelPos Hw   | l target_EOTActuatorMng_Per1_HandWheell                   | Pos_HwDeg_f32              |          |
| $target\_Rte\_Inst\_Ap\_EOTActuatorMng.EOTActuatorMng\_Per1\_HwTorque\_HwNm\_f$   | target_EOTActuatorMng_Per1_HwTorque_I                     | HwNm_f32                   |          |
| $target\_Rte\_Inst\_Ap\_EOTActuatorMng.EOTActuatorMng\_Per1\_MotorVel\_MtrRadpStarter(Mathematical Control of the Control of Co$   | target_EOTActuatorMng_Per1_MotorVel_M                     | trRadpS_f32                |          |
| $target\_Rte\_Inst\_Ap\_EOTActuatorMng.EOTActuatorMng\_Per1\_OutputRampMultLtd$   | target_EOTActuatorMng_Per1_OutputRamp                     | MultLtd_Uls_f32            |          |
| $target\_Rte\_Inst\_Ap\_EOTActuatorMng.EOTActuatorMng\_Per1\_VehicleSpeed\_Kph\_Inst\_Ap\_EOTActuatorMng\_Per1\_VehicleSpeed\_Kph\_Inst\_Ap\_EOTActuatorMng\_Per1\_VehicleSpeed\_Kph\_Inst\_Ap\_EOTActuatorMng\_Per1\_VehicleSpeed\_Kph\_Inst\_Ap\_EOTActuatorMng\_Per1\_VehicleSpeed\_Kph\_Inst\_Ap\_EOTActuatorMng\_Per1\_VehicleSpeed\_Kph\_Inst\_Ap\_EOTActuatorMng\_Per1\_VehicleSpeed\_Kph\_Inst\_Ap\_EOTActuatorMng\_Per1\_VehicleSpeed\_Kph\_Inst\_Ap\_EOTActuatorMng\_Per1\_VehicleSpeed\_Kph\_Inst\_Ap\_EOTActuatorMng\_Per1\_VehicleSpeed\_Kph\_InstAp\_EOTActuatorMng\_FoTAct$ | target_EOTActuatorMng_Per1_VehicleSpee                    | ed_Kph_f32                 |          |
| Name  | Actual Value  | Expected Value             | Result   |
| EOTActuatorMng_Damping_MtrNm_M_f32  | -8.80000019   | -8.80000019 ± 0.0000390625 | -        |
| EOTActuatorMng_EOTImpactPos_HwDeg_M_f32   | 789.052002  | 789.052002 ± 0.0000390625  | <b>✓</b> |
| EOTActuatorMng_FiltEOTGainSV_HwNm_M_u1p31   | 908572435   | 908572435 ± 1              | <b>✓</b> |
| EOTActuatorMng_FiltHWTrqSV_HwNm_M_s7p24   | 13007215  | 13007215 ± 1               | •        |
| EOTActuatorMng_OutputRampMultLtd_M_f32  | 0.996999979   | 0.996999979 ± 0.00390625   | <b>✓</b> |
| EOTActuatorMng_PrevEOTGain_Uls_M_f32  | 0.423065186   | 0.423065186 ± 0.0625       | <b>✓</b> |
| EOTActuatorMng_SESState_Uls_M_enum  | SES_NORMAL  | SES_NORMAL                 | <b>✓</b> |
| FOTA -turned Arm Dord Assist COTD - will a Markley 600 volume   | 0.00000040  | 0.00000040 + 0.00040000405 |          |

| Actual Function                                    | Count | Expected Function                                  | Count | Result   |
|--|-------|--|-------|----------|
| Rte_Call_EOTActuatorMng_Per1_CP0_CheckpointReached | 1     | Rte_Call_EOTActuatorMng_Per1_CP0_CheckpointReached | 1     | ~        |
| EOTDetermination                                   | 1     | EOTDetermination                                   | 1     | -        |
| SES_DetLmtPos                                      | 1     | SES_DetLmtPos                                      | 1     | ~        |
| SES_CalcExitGain                                   | 1     | SES_CalcExitGain                                   | 1     | ~        |
| IntplVarXY_u16_u16Xu16Y_Cnt                        | 1     | IntplVarXY_u16_u16Xu16Y_Cnt                        | 1     | ~        |
| SES_CalcEnterGain                                  | 1     | SES_CalcEnterGain                                  | 1     | ~        |
| BilinearXMYM_u16_u16XMu16YM_Cnt                    | 1     | BilinearXMYM_u16_u16XMu16YM_Cnt                    | 1     | ~        |
| SES_CalcEOTGain                                    | 1     | SES_CalcEOTGain                                    | 1     | <b>✓</b> |
| SES_FiltEOTGain                                    | 1     | SES_FiltEOTGain                                    | 1     | ~        |
| SES_CalcEOTDamp                                    | 1     | SES_CalcEOTDamp                                    | 1     | ~        |
| BilinearXMYM_u16_u16XMu16YM_Cnt                    | 1     | BilinearXMYM_u16_u16XMu16YM_Cnt                    | 1     | ~        |
| SES_StateCtrl                                      | 1     | SES_StateCtrl                                      | 1     | •        |
| IntplVarXY_u16_u16Xu16Y_Cnt                        | 2     | IntplVarXY_u16_u16Xu16Y_Cnt                        | 2     | -        |
| Rte Call EOTActuatorMng Per1 CP1 CheckpointReached | 1     | Rte Call EOTActuatorMng Per1 CP1 CheckpointReached | 1     | -        |

-8.80000019

0.423065186

8.80000019

| Test Step 2.2 (Repeat Count = 1)          |                                   | <b>✓</b> |
|---|-----------------------------------|----------|
| Name                                      | Input Value                       |          |
| EOTActuatorMng_Damping_MtrNm_M_f32        | -6.80000019                       |          |
| EOTActuatorMng_EOTImpactPos_HwDeg_M_f32   | 300.040009                        |          |
| EOTActuatorMng_FiltEOTGainSV_HwNm_M_u1p31 | 794568950                         |          |
| EOTActuatorMng_FiltHWTrqSV_HwNm_M_s7p24   | -148981678                        |          |
| EOTActuatorMng_PrevEOTGain_Uls_M_f32      | 0.540000021                       |          |
| EOTActuatorMng_SESState_Uls_M_enum        | SES_NORMAL                        |          |
| Rte_Inst_Ap_EOTActuatorMng                | target_Rte_Inst_Ap_EOTActuatorMng |          |
| k_EOTActiveRegionBypassMaxThresh_Uls_f32  |                                   |          |

 $target\_EOTActuatorMng\_Per1\_AssistEOTDamping\_MtrNm\_f32.value$ 

target\_EOTActuatorMng\_Per1\_AssistEOTGain\_Uls\_f32.value

 $target\_EOTActuatorMng\_Per1\_AssistEOTLimit\_MtrNm\_f32.value$ 

EOTActuatorMng\_Per1

2015-06-29, 18:31:27+0530



| EOTACIDAIONING_PELL  |             | MACILIA |
|--|-------------|---------|
| Name   | Input Value |         |
| c_EOTDynConf_Uls_u8p8  | 5120        |         |
| C_EOTEnterLPFKn_Cnt_u16  | 3643        |         |
| _EOTExitLPFKn_Cnt_u16  | 222         |         |
| _EOTImpSpdEn_Kph_u9p7  | 5504        |         |
| _EOTOriginalImpactandSoftEnd_Cnt_lgc   | 1           |         |
| EOTPosDepDempFinalSlew_MtrNmpS_T_f32   | 12.2399998  |         |
| EOTStateHwTrqLPFKn_Cnt_u16   | 2436        |         |
| MaxRackTrvl_HwDeg_u12p4  | 3552        |         |
| MinRackTrvl_HwDeg_u12p4  | 15456       |         |
| PosRampStep HwDeg u12p4  | 2016        |         |
| SoftStopEOTEnable Cnt lgc  | 1           |         |
| _SpdlptScale_MtrNmpRadpS_u4p12   | 80          |         |
| P_EOTEnterGainX_HwDeg_u12p4[0][0]  | 160         |         |
| 2_EOTEnterGainX_HwDeg_u12p4[0][1]  | 320         |         |
| P_EOTEnterGainX_HwDeg_u12p4[0][2]  | 480         |         |
| P_EOTEnterGainX_HwDeg_u12p4[0][3]  | 640         |         |
| P_EOTEnterGainX_HwDeg_u12p4[0][0]  | 496         |         |
| 2_EOTEnterGainX_HwDeg_u12p4[1][0]  | 1472        |         |
|  | 1472        |         |
| P_EOTEnterGainX_HwDeg_u12p4[1][2]  |             |         |
| EEOTEnterGainX_HwDeg_u12p4[1][3]   | 1504        |         |
| P_EOTEnterGainX_HwDeg_u12p4[2][0]  | 1136        |         |
| P_EOTEnterGainX_HwDeg_u12p4[2][1]  | 3392        |         |
| _EOTEnterGainX_HwDeg_u12p4[2][2]   | 3408        |         |
| P_EOTEnterGainX_HwDeg_u12p4[2][3]  | 3424        |         |
| P_EOTEnterGainX_HwDeg_u12p4[3][0]  | 1776        |         |
| P_EOTEnterGainX_HwDeg_u12p4[3][1]  | 5312        |         |
| P_EOTEnterGainX_HwDeg_u12p4[3][2]  | 5328        |         |
| 2_EOTEnterGainX_HwDeg_u12p4[3][3]  | 5344        |         |
| 2_EOTEnterGainY_Uls_u1p15[0][0]  | 4           |         |
| 2_EOTEnterGainY_Uls_u1p15[0][1]  | 5           |         |
| 2_EOTEnterGainY_Uls_u1p15[0][2]  | 10          |         |
| 2_EOTEnterGainY_Uls_u1p15[0][3]  | 98          |         |
| 2_EOTEnterGainY_Uls_u1p15[1][0]  | 5           |         |
| 2_EOTEnterGainY_Uls_u1p15[1][1]  | 6           |         |
| 2_EOTEnterGainY_Uls_u1p15[1][2]  | 39          |         |
| 2_EOTEnterGainY_Uls_u1p15[1][3]  | 383         |         |
| 2_EOTEnterGainY_Uls_u1p15[2][0]  | 5           |         |
| 2 EOTEnterGainY Uls u1p15[2][1]  | 6           |         |
| 2_EOTEnterGainY_Uls_u1p15[2][2]  | 29          |         |
| 2_EOTEnterGainY_Uls_u1p15[2][3]  | 288         |         |
| 2_EOTEnterGainY_Uls_u1p15[3][0]  | 7           |         |
| content = 1  | 8           |         |
| 2 EOTEnterGainY Uls u1p15[3][2]  | 88          |         |
| 2_EOTENICIONIT_013_01p10[0][2]<br>2_EOTENTEGAINY_UIS_01p15[3][3]                   | 859         |         |
|  | 16          |         |
| 2_EOTExPosDepDmpTblY_MtrNmpRadps_u0p16[0][0]                                       | 22          |         |
| 2_EOTExPosDepDmpTblY_MtrNmpRadps_u0p16[0][1]                                       |             |         |
| 2_EOTExPosDepDmpTblY_MtrNmpRadps_u0p16[1][0]                                       | 92          |         |
| P_EOTE: PosDepDmpTblY_MtrNmpRadps_u0p16[1][1]                                      | 130         |         |
| 2_EOTExPosDepDmpTblY_MtrNmpRadps_u0p16[2][0]                                       | 92          |         |
| 2_EOTExPosDepDmpTblY_MtrNmpRadps_u0p16[2][1]                                       | 130         |         |
| P_EOTExPosDepDmpTblY_MtrNmpRadps_u0p16[3][0]                                       | 16          |         |
| 2_EOTExPosDepDmpTblY_MtrNmpRadps_u0p16[3][1]                                       | 22          |         |
| P_EOTPosDepDmpTblX_HwDeg_u12p4[0][0]   | 480         |         |
| P_EOTPosDepDmpTblX_HwDeg_u12p4[0][1]   | 1136        |         |
| P_EOTPosDepDmpTblX_HwDeg_u12p4[1][0]   | 656         |         |
| P_EOTPosDepDmpTbIX_HwDeg_u12p4[1][1]   | 1040        |         |
| 2_EOTPosDepDmpTbIX_HwDeg_u12p4[2][0]   | 672         |         |
| P_EOTPosDepDmpTbIX_HwDeg_u12p4[2][1]   | 4032        |         |
| P_EOTPosDepDmpTbIX_HwDeg_u12p4[3][0]   | 416         |         |
| P_EOTPosDepDmpTbIX_HwDeg_u12p4[3][1]   | 560         |         |
| P_EOTPosDepDmpTblY_MtrNmpRadpS_u0p16[0][0]   | 2           |         |
| P_EOTPosDepDmpTblY_MtrNmpRadpS_u0p16[0][1]   | 16          |         |
| P_EOTPosDepDmpTblY_MtrNmpRadpS_u0p16[1][0]   | 153         |         |
| EOTPosDepDmpTblY_MtrNmpRadpS_u0p16[1][1]   | 216         |         |
| eor_osbopbmprsr_mannpraapo_asprojnjrj<br>_EOTPosDepDmpTblY_MtrNmpRadpS_u0p16[2][0] | 77          |         |
| 2_EOTPosDepDmpTblY_MtrNmpRadpS_u0p16[2][1]   | 108         |         |
| P_EOTPosDepDmpTblY_MtrNmpRadpS_u0p16[3][0]   | 52          |         |
|  |             |         |
| 2_EOTPosDepDmpTblY_MtrNmpRadpS_u0p16[3][1]   | 68          |         |
| _EOTDmpVspd_Kph_u9p7[0]  | 3968        |         |
| EOTDmpVspd_Kph_u9p7[1]   | 11776       |         |
| EOTDmpVspd_Kph_u9p7[2]   | 11904       |         |
| _EOTDmpVspd_Kph_u9p7[3]  | 12032       |         |
| _EOTEnterGainVspd_Kph_u9p7[0]  | 3968        |         |

2015-06-29, 18:31:27+0530



| Name  | Input Value  |                 |        |
|---|--|-----------------|--------|
| t_EOTEnterGainVspd_Kph_u9p7[1]  | 11776  |                 |        |
| t_EOTEnterGainVspd_Kph_u9p7[2]  | 11904  |                 |        |
| t_EOTEnterGainVspd_Kph_u9p7[3]  | 12032  |                 |        |
| t_SpdlptTblXTbl_HwDeg_u12p4[0]  | 48   |                 |        |
| t_SpdlptTblXTbl_HwDeg_u12p4[1]  | 240  |                 |        |
| t_SpdIptTblYTbl_MtrRadpS_u12p4[0]   | 416  |                 |        |
| t_SpdlptTblYTbl_MtrRadpS_u12p4[1]   | 560  |                 |        |
| t_TrqTableX_HwNm_u8p8[0]  | 512  |                 |        |
| t_TrqTableX_HwNm_u8p8[1]  | 2048   |                 |        |
| t_TrqTblY_Uls_u2p14[0]  | 33   |                 |        |
| t_TrqTblY_Uls_u2p14[1]  | 328  |                 |        |
| target_EOTActuatorMng_Per1_CcwEOT_HwDeg_f32.value   | -500.440002  |                 |        |
| target_EOTActuatorMng_Per1_CcwFound_Cnt_lgc.value   | 0  |                 |        |
| target_EOTActuatorMng_Per1_CwEOT_HwDeg_f32.value  | 500.049988   |                 |        |
| target_EOTActuatorMng_Per1_CwFound_Cnt_lgc.value  | 0  |                 |        |
| target_EOTActuatorMng_Per1_EOTDisable_Cnt_lgc.value   | 1  |                 |        |
| target_EOTActuatorMng_Per1_HandWheelAuth_Uls_f32.value  | 0.319999993  |                 |        |
| target_EOTActuatorMng_Per1_HandWheelPos_HwDeg_f32.value   | -200.029999  |                 |        |
| target_EOTActuatorMng_Per1_HwTorque_HwNm_f32.value  | 10   |                 |        |
| target_EOTActuatorMng_Per1_MotorVel_MtrRadpS_f32.value  | 0.200000003  |                 |        |
| target_EOTActuatorMng_Per1_OutputRampMultLtd_Uls_f32.value  | 0.328000009  |                 |        |
| target_EOTActuatorMng_Per1_VehicleSpeed_Kph_f32.value   | 8.02000046   |                 |        |
| $target\_Rte\_Inst\_Ap\_EOTActuatorMng.EOTActuatorMng\_Per1\_AssistEOTDamping\_Per1\_AssisTEOTDamping\_Per1\_AssisTEOTD$  | target_EOTActuatorMng_Per1_AssistEOTDa                   | mping_MtrNm_f32 |        |
| $target\_Rte\_Inst\_Ap\_EOTActuatorMng.EOTActuatorMng\_Per1\_AssistEOTGain\_Uls\_AssisTEOTGain\_Uls\_AssisTEOTG$          | target_EOTActuatorMng_Per1_AssistEOTGa                   | nin_Uls_f32     |        |
| target Rte Inst Ap EOTActuatorMng.EOTActuatorMng Per1 AssistEOTLimit Mtr1   | target_EOTActuatorMng_Per1_AssistEOTLir                  | nit_MtrNm_f32   |        |
| target_Rte_Inst_Ap_EOTActuatorMng.EOTActuatorMng_Per1_CcwEOT_HwDeg_f3   | target_EOTActuatorMng_Per1_CcwEOT_Hw                     | Deg_f32         |        |
| $target\_Rte\_Inst\_Ap\_EOTActuatorMng.EOTActuatorMng\_Per1\_CcwFound\_Cnt\_lgc$  | target_EOTActuatorMng_Per1_CcwFound_C                    | Cnt_lgc         |        |
| target_Rte_Inst_Ap_EOTActuatorMng.EOTActuatorMng_Per1_CwEOT_HwDeg_f32   | target_EOTActuatorMng_Per1_CwEOT_Hwt                     | Deg_f32         |        |
| $target\_Rte\_Inst\_Ap\_EOTActuatorMng.EOTActuatorMng\_Per1\_CwFound\_Cnt\_lgc$   | target_EOTActuatorMng_Per1_CwFound_Cr                    | nt_lgc          |        |
| target_Rte_Inst_Ap_EOTActuatorMng.EOTActuatorMng_Per1_EOTDisable_Cnt_Igo  | target_EOTActuatorMng_Per1_EOTDisable_                   | Cnt_lgc         |        |
| $target\_Rte\_Inst\_Ap\_EOTActuatorMng\_EOTActuatorMng\_Per1\_HandWheelAuth\_Ulstarget\_Rte\_Inst\_Ap\_EOTActuatorMng\_Per1\_HandWheelAuth\_Ulstarget\_Rte\_Inst\_Ap\_EOTActuatorMng\_Per1\_HandWheelAuth\_Ulstarget\_Rte\_Inst\_Ap\_EOTActuatorMng\_Per1\_HandWheelAuth\_Ulstarget\_Rte\_Inst\_Ap\_EOTActuatorMng\_Per1\_HandWheelAuth\_Ulstarget\_Rte\_Inst\_Ap\_EOTActuatorMng\_Per1\_HandWheelAuth\_Ulstarget\_Rte\_Inst\_Ap\_EOTActuatorMng\_Per1\_HandWheelAuth\_Ulstarget\_Rte\_Inst\_Ap\_EOTActuatorMng\_Per1\_HandWheelAuth\_Ulstarget\_Rte\_Inst\_Ap\_EOTActuatorMng\_Per1\_HandWheelAuth\_Ulstarget\_Rte\_Inst\_Ap\_EOTActuatorMng\_Per1\_HandWheelAuth\_Ulstarget\_Rte\_Inst\_Ap\_EOTActuatorMng\_Per1\_HandWheelAuth\_Ulstarget\_Rte\_Inst\_Ap\_EOTActuatorMng\_Per1\_HandWheelAuth\_Ulstarget\_Rte\_Inst_Ap\_EOTActuatorMng\_Per1\_HandWheelAuth\_Ulstarget\_Rte\_Inst_Ap\_EOTActuatorMng\_Per1\_HandWheelAuth\_Ulstarget\_Rte\_Inst_Ap\_EOTActuatorMng\_Rte\_Inst_Ap\_EOTActuator$ | h_Uls target_EOTActuatorMng_Per1_HandWheelAuth_Uls_f32   |                 |        |
| $target\_Rte\_Inst\_Ap\_EOTActuatorMng\_EOTActuatorMng\_Per1\_HandWheelPos\_Hwitzers and the property of the property$  | os_Hwl target_EOTActuatorMng_Per1_HandWheelPos_HwDeg_f32 |                 |        |
| $target\_Rte\_Inst\_Ap\_EOTActuatorMng.EOTActuatorMng\_Per1\_HwTorque\_HwNm\_f$   | vNm_f. target_EOTActuatorMng_Per1_HwTorque_HwNm_f32      |                 |        |
| target Rte Inst Ap EOTActuatorMng.EOTActuatorMng Per1 MotorVel MtrRadpS   | target_EOTActuatorMng_Per1_MotorVel_Mtr                  | RadpS_f32       |        |
| $target\_Rte\_Inst\_Ap\_EOTActuatorMng.EOTActuatorMng\_Per1\_OutputRampMultLtd\_Inst\_Ap\_EOTActuatorMng\_Per1\_OutputRampMultLtd\_Inst\_Ap\_EOTActuatorMng\_Per1\_OutputRampMultLtd\_Inst\_Ap\_EOTActuatorMng\_Per1\_OutputRampMultLtd\_Inst\_Ap\_EOTActuatorMng\_Per1\_OutputRampMultLtd\_Inst\_Ap\_EOTActuatorMng\_Per1\_OutputRampMultLtd\_Inst\_Ap\_EOTActuatorMng\_Per1\_OutputRampMultLtd\_InstAp\_EOTActuatorMng\_Per1\_OutputRampMultRampMultLtd\_InstAp\_EOTActuatorMng\_P$   | target_EOTActuatorMng_Per1_OutputRampl                   | MultLtd_Uls_f32 |        |
| $target\_Rte\_Inst\_Ap\_EOTActuatorMng.EOTActuatorMng\_Per1\_VehicleSpeed\_Kph\_Inst\_Ap\_EOTActuatorMng\_Per1\_VehicleSpeed\_Kph\_Inst\_Ap\_EOTActuatorMng\_Per1\_VehicleSpeed\_Kph\_Inst\_Ap\_EOTActuatorMng\_Per1\_VehicleSpeed\_Kph\_Inst\_Ap\_EOTActuatorMng\_Per1\_VehicleSpeed\_Kph\_Inst\_Ap\_EOTActuatorMng\_Per1\_VehicleSpeed\_Kph\_Inst\_Ap\_EOTActuatorMng\_Per1\_VehicleSpeed\_Kph\_Inst\_Ap\_EOTActuatorMng\_Per1\_VehicleSpeed\_Kph\_Inst\_Ap\_EOTActuatorMng\_Per1\_VehicleSpeed\_Kph\_Inst_Ap\_EOTActuatorMng\_EOTActuatorMng\_EOTActuatorMng\_EOTActuatorMng\_EOTActuatorMng\_$    | target_EOTActuatorMng_Per1_VehicleSpeed                  | d_Kph_f32       |        |
| Name  | Actual Value   | Expected Value  | Result |
|   |  |                 |        |

| Name  | Actual Value | Expected Value              | Result   |
|---|--------------|-----------------------------|----------|
| EOTActuatorMng_Damping_MtrNm_M_f32                          | -6.77552032  | -6.77551985 ± 0.0000390625  | ~        |
| EOTActuatorMng_EOTImpactPos_HwDeg_M_f32                     | 300.040009   | 300.040009 ± 0.0000390625   | ~        |
| EOTActuatorMng_FiltEOTGainSV_HwNm_M_u1p31                   | 750758232    | 750758232 ± 1               | ~        |
| EOTActuatorMng_FiltHWTrqSV_HwNm_M_s7p24                     | -149678374   | -149678374 ± 1              | •        |
| EOTActuatorMng_OutputRampMultLtd_M_f32                      | 0.328000009  | 0.328000009 ± 0.00390625    | ~        |
| EOTActuatorMng_PrevEOTGain_Uls_M_f32                        | 0.349578857  | 0.349578857 ± 0.0625        | •        |
| EOTActuatorMng_SESState_Uls_M_enum                          | SES_DISABLED | SES_DISABLED                | ~        |
| target_EOTActuatorMng_Per1_AssistEOTDamping_MtrNm_f32.value | -6.77552032  | -6.77551985 ± 0.00048828125 | <b>✓</b> |
| target_EOTActuatorMng_Per1_AssistEOTGain_Uls_f32.value      | 0.349578857  | 0.349578857 ± 0.0000390625  | ~        |
| target_EOTActuatorMng_Per1_AssistEOTLimit_MtrNm_f32.value   | 8.80000019   | 8.80000019 ± 0.00048828125  | •        |

| ▼ T  |       |  |       |          |  |
|--|-------|--|-------|----------|--|
| Actual Function                                    | Count | Expected Function                                  | Count | Result   |  |
| Rte_Call_EOTActuatorMng_Per1_CP0_CheckpointReached | 1     | Rte_Call_EOTActuatorMng_Per1_CP0_CheckpointReached | 1     | ~        |  |
| EOTDetermination                                   | 1     | EOTDetermination                                   | 1     | <b>✓</b> |  |
| SES_DetLmtPos                                      | 1     | SES_DetLmtPos                                      | 1     | ~        |  |
| SES_CalcExitGain                                   | 1     | SES_CalcExitGain                                   | 1     | ~        |  |
| IntplVarXY_u16_u16Xu16Y_Cnt                        | 1     | IntplVarXY_u16_u16Xu16Y_Cnt                        | 1     | ~        |  |
| SES_CalcEnterGain                                  | 1     | SES_CalcEnterGain                                  | 1     | ~        |  |
| BilinearXMYM_u16_u16XMu16YM_Cnt                    | 1     | BilinearXMYM_u16_u16XMu16YM_Cnt                    | 1     | ~        |  |
| SES_CalcEOTGain                                    | 1     | SES_CalcEOTGain                                    | 1     | ~        |  |
| SES_FiltEOTGain                                    | 1     | SES_FiltEOTGain                                    | 1     | ~        |  |
| SES_CalcEOTDamp                                    | 1     | SES_CalcEOTDamp                                    | 1     | •        |  |
| BilinearXMYM_u16_u16XMu16YM_Cnt                    | 1     | BilinearXMYM_u16_u16XMu16YM_Cnt                    | 1     | ~        |  |
| SES_StateCtrl                                      | 1     | SES_StateCtrl                                      | 1     | ~        |  |
| Rte_Call_EOTActuatorMng_Per1_CP1_CheckpointReached | 1     | Rte_Call_EOTActuatorMng_Per1_CP1_CheckpointReached | 1     | ~        |  |

| Test Step 2.3 (Repeat Count = 1)          |             | ✓ |
|---|-------------|---|
| Name                                      | Input Value |   |
| EOTActuatorMng_Damping_MtrNm_M_f32        | -4.80000019 |   |
| EOTActuatorMng_EOTImpactPos_HwDeg_M_f32   | 567.25      |   |
| EOTActuatorMng_FiltEOTGainSV_HwNm_M_u1p31 | 579820585   |   |
| EOTActuatorMng_FiltHWTrqSV_HwNm_M_s7p24   | 130358968   |   |

EOTActuatorMng Per1

2015-06-29, 18:31:27+0530



Input Value EOTActuatorMng\_PrevEOTGain\_Uls\_M\_f32 0.430000007 SES\_NORMAL EOTActuatorMng\_SESState\_Uls\_M\_enum Rte\_Inst\_Ap\_EOTActuatorMng target\_Rte\_Inst\_Ap\_EOTActuatorMng k\_EOTActiveRegionBypassMaxThresh\_Uls\_f32 0.633000016 k EOTDefltPosition\_HwDeg\_u12p4 6400 k\_EOTDeltaTrqThrsh\_HwNm\_u9p7 896 k\_EOTDynConf\_Uls\_u8p8 0 854 k\_EOTEnterLPFKn\_Cnt\_u16 k\_EOTExitLPFKn\_Cnt\_u16 333  $k\_EOTImpSpdEn\_Kph\_u9p7$ 5632  $k\_EOTO riginal Impact and Soft End\_Cnt\_lgc$ k\_EOTPosDepDempFinalSlew\_MtrNmpS\_T\_f32 16 2900009 9999 k\_EOTStateHwTrqLPFKn\_Cnt\_u16 5328 k\_MaxRackTrvl\_HwDeg\_u12p4 k\_MinRackTrvl\_HwDeg\_u12p4 20400 5696 k\_PosRampStep\_HwDeg\_u12p4 k\_SoftStopEOTEnable\_Cnt\_lgc 81 k SpdlptScale MtrNmpRadpS u4p12 t2\_EOTEnterGainX\_HwDeg\_u12p4[0][0] 800 t2\_EOTEnterGainX\_HwDeg\_u12p4[0][1] 960 t2\_EOTEnterGainX\_HwDeg\_u12p4[0][2] 1120 t2\_EOTEnterGainX\_HwDeg\_u12p4[0][3] 1280 t2\_EOTEnterGainX\_HwDeg\_u12p4[1][0] 512 t2\_EOTEnterGainX\_HwDeg\_u12p4[1][1] 1520 t2 EOTEnterGainX\_HwDeg\_u12p4[1][2] 1536 t2\_EOTEnterGainX\_HwDeg\_u12p4[1][3] 1552 t2\_EOTEnterGainX\_HwDeg\_u12p4[2][0] 1152 t2\_EOTEnterGainX\_HwDeg\_u12p4[2][1] 3440 t2 EOTEnterGainX HwDeg u12p4[2][2] 3456 t2\_EOTEnterGainX\_HwDeg\_u12p4[2][3] 3472 t2 EOTEnterGainX HwDeg u12p4[3][0] 1792 t2\_EOTEnterGainX\_HwDeg\_u12p4[3][1] 5360 t2 EOTEnterGainX HwDeg u12p4[3][2] 5376 t2\_EOTEnterGainX\_HwDeg\_u12p4[3][3] 5392 t2\_EOTEnterGainY\_Uls\_u1p15[0][0] 5 t2\_EOTEnterGainY\_Uls\_u1p15[0][1] 5 t2\_EOTEnterGainY\_Uls\_u1p15[0][2] 20 193 t2\_EOTEnterGainY\_Uls\_u1p15[0][3] t2\_EOTEnterGainY\_Uls\_u1p15[1][0] 6 t2 EOTEnterGainY\_Uls\_u1p15[1][1] 6 t2\_EOTEnterGainY\_Uls\_u1p15[1][2] 49 t2\_EOTEnterGainY\_Uls\_u1p15[1][3] 478 t2\_EOTEnterGainY\_Uls\_u1p15[2][0] 5 t2\_EOTEnterGainY\_Uls\_u1p15[2][1] 6 t2\_EOTEnterGainY\_Uls\_u1p15[2][2] 39 t2\_EOTEnterGainY\_Uls\_u1p15[2][3] 383 t2\_EOTEnterGainY\_Uls\_u1p15[3][0] 7 t2\_EOTEnterGainY\_Uls\_u1p15[3][1] 8 t2\_EOTEnterGainY\_Uls\_u1p15[3][2] 98 t2\_EOTEnterGainY\_Uls\_u1p15[3][3] 954 t2 EOTExPosDepDmpTblY MtrNmpRadps u0p16[0][0] 44 t2\_EOTExPosDepDmpTblY\_MtrNmpRadps\_u0p16[0][1] 32 t2\_EOTExPosDepDmpTblY\_MtrNmpRadps\_u0p16[1][0] 16 t2\_EOTExPosDepDmpTbIY\_MtrNmpRadps\_u0p16[1][1] 22 t2\_EOTExPosDepDmpTblY\_MtrNmpRadps\_u0p16[2][0] t2\_EOTExPosDepDmpTblY\_MtrNmpRadps\_u0p16[2][1] 26 t2\_EOTExPosDepDmpTblY\_MtrNmpRadps\_u0p16[3][0] 62 t2\_EOTExPosDepDmpTblY\_MtrNmpRadps\_u0p16[3][1] 87 t2\_EOTPosDepDmpTblX\_HwDeg\_u12p4[0][0] 512 t2\_EOTPosDepDmpTblX\_HwDeg\_u12p4[0][1] 1152 t2\_EOTPosDepDmpTblX\_HwDeg\_u12p4[1][0] 672 1056 t2\_EOTPosDepDmpTblX\_HwDeg\_u12p4[1][1]  $t2\_EOTPosDepDmpTblX\_HwDeg\_u12p4[2][0]$ 704 t2\_EOTPosDepDmpTblX\_HwDeg\_u12p4[2][1] 4048 t2\_EOTPosDepDmpTblX\_HwDeg\_u12p4[3][0] 432 t2\_EOTPosDepDmpTblX\_HwDeg\_u12p4[3][1] 576 t2\_EOTPosDepDmpTblY\_MtrNmpRadpS\_u0p16[0][0] 4 t2 EOTPosDepDmpTblY MtrNmpRadpS u0p16[0][1] 32 t2\_EOTPosDepDmpTblY\_MtrNmpRadpS\_u0p16[1][0] 12 t2\_EOTPosDepDmpTblY\_MtrNmpRadpS\_u0p16[1][1] 88 t2\_EOTPosDepDmpTbIY\_MtrNmpRadpS\_u0p16[2][0] 92 t2\_EOTPosDepDmpTblY\_MtrNmpRadpS\_u0p16[2][1] 130 t2\_EOTPosDepDmpTblY\_MtrNmpRadpS\_u0p16[3][0] 99

2015-06-29, 18:31:27+0530



EOTActuatorMng\_Per1

| Name  | Input Value                            |                             |       |
|---|--|-----------------------------|-------|
| t2_EOTPosDepDmpTblY_MtrNmpRadpS_u0p16[3][1]                             | 698                                    |                             |       |
| t_EOTDmpVspd_Kph_u9p7[0]  | 4096                                   |                             |       |
| t_EOTDmpVspd_Kph_u9p7[1]  | 12160                                  |                             |       |
| t_EOTDmpVspd_Kph_u9p7[2]  | 12288                                  |                             |       |
| t_EOTDmpVspd_Kph_u9p7[3]  | 12416                                  |                             |       |
| t_EOTEnterGainVspd_Kph_u9p7[0]  | 4096                                   |                             |       |
| t_EOTEnterGainVspd_Kph_u9p7[1]  | 12160                                  |                             |       |
| t_EOTEnterGainVspd_Kph_u9p7[2]  | 12288                                  |                             |       |
| t_EOTEnterGainVspd_Kph_u9p7[3]  | 12416                                  |                             |       |
| t_SpdIptTblXTbl_HwDeg_u12p4[0]  | 32                                     |                             |       |
| t_SpdIptTblXTbl_HwDeg_u12p4[1]  | 256                                    |                             |       |
| t_SpdIptTbIYTbI_MtrRadpS_u12p4[0]                                       | 432                                    |                             |       |
| t_SpdIptTblYTbl_MtrRadpS_u12p4[1]                                       | 576                                    |                             |       |
| t_TrqTableX_HwNm_u8p8[0]  | 512                                    |                             |       |
| t_TrqTableX_HwNm_u8p8[1]  | 1792                                   |                             |       |
| t_TrqTblY_Uls_u2p14[0]  | 49                                     |                             |       |
| t_TrqTbIY_Uls_u2p14[1]  | 492                                    |                             |       |
| target_EOTActuatorMng_Per1_CcwEOT_HwDeg_f32.value                       | -775.780029                            |                             |       |
| target_EOTActuatorMng_Per1_CcwFound_Cnt_lgc.value                       | 1                                      |                             |       |
| target_EOTActuatorMng_Per1_CwEOT_HwDeg_f32.value                        | 850.21698                              |                             |       |
| target_EOTActuatorMng_Per1_CwFound_Cnt_lgc.value                        | 1                                      |                             |       |
| target_EOTActuatorMng_Per1_EOTDisable_Cnt_lgc.value                     | 0                                      |                             |       |
| target_EOTActuatorMng_Per1_HandWheelAuth_Uls_f32.value                  | 0.819999993                            |                             |       |
| target_EOTActuatorMng_Per1_HandWheelPos_HwDeg_f32.value                 | 700.049988                             |                             |       |
| target_EOTActuatorMng_Per1_HwTorque_HwNm_f32.value                      | 0                                      |                             |       |
| target_EOTActuatorMng_Per1_MotorVel_MtrRadpS_f32.value                  | 0.300000012                            |                             |       |
| target_EOTActuatorMng_Per1_OutputRampMultLtd_Uls_f32.value              | 0.449000001                            |                             |       |
| target_EOTActuatorMng_Per1_VehicleSpeed_Kph_f32.value                   | 11.0299997                             |                             |       |
| target_Rte_Inst_Ap_EOTActuatorMng.EOTActuatorMng_Per1_AssistEOTE        | Damping_ target_EOTActuatorMng_Per1_   | AssistEOTDamping_MtrNm_f32  |       |
| target_Rte_Inst_Ap_EOTActuatorMng.EOTActuatorMng_Per1_AssistEOTG        | Gain_Uls_ target_EOTActuatorMng_Per1_  | AssistEOTGain_Uls_f32       |       |
| target_Rte_Inst_Ap_EOTActuatorMng.EOTActuatorMng_Per1_AssistEOTL        | .imit_Mtrl target_EOTActuatorMng_Per1_ | AssistEOTLimit_MtrNm_f32    |       |
| target_Rte_Inst_Ap_EOTActuatorMng.EOTActuatorMng_Per1_CcwEOT_H          | lwDeg_f3 target_EOTActuatorMng_Per1_   | CcwEOT_HwDeg_f32            |       |
| target_Rte_Inst_Ap_EOTActuatorMng.EOTActuatorMng_Per1_CcwFound_         | Cnt_lgc target_EOTActuatorMng_Per1_    | CcwFound_Cnt_lgc            |       |
| target Rte Inst Ap EOTActuatorMng.EOTActuatorMng Per1 CwEOT Hv          | vDeg f32 target_EOTActuatorMng_Per1_   | CwEOT_HwDeg_f32             |       |
| target_Rte_Inst_Ap_EOTActuatorMng.EOTActuatorMng_Per1_CwFound_C         | Cnt_lgc target_EOTActuatorMng_Per1_    | CwFound_Cnt_lgc             |       |
| target_Rte_Inst_Ap_EOTActuatorMng.EOTActuatorMng_Per1_EOTDisable        | e_Cnt_lgc target_EOTActuatorMng_Per1_  | EOTDisable_Cnt_lgc          |       |
| $target\_Rte\_Inst\_Ap\_EOTActuatorMng.EOTActuatorMng\_Per1\_HandWheel$ | Auth_Uls target_EOTActuatorMng_Per1_   | HandWheelAuth_Uls_f32       |       |
| target_Rte_Inst_Ap_EOTActuatorMng.EOTActuatorMng_Per1_HandWheel         | Pos_Hwl target_EOTActuatorMng_Per1_    | HandWheelPos_HwDeg_f32      |       |
| target_Rte_Inst_Ap_EOTActuatorMng.EOTActuatorMng_Per1_HwTorque_         | HwNm_f: target_EOTActuatorMng_Per1_    | HwTorque_HwNm_f32           |       |
| target_Rte_Inst_Ap_EOTActuatorMng.EOTActuatorMng_Per1_MotorVel_M        | ItrRadpS target_EOTActuatorMng_Per1_   | MotorVel_MtrRadpS_f32       |       |
| target_Rte_Inst_Ap_EOTActuatorMng.EOTActuatorMng_Per1_OutputRam         | pMultLtd_ target_EOTActuatorMng_Per1_  | OutputRampMultLtd_Uls_f32   |       |
| target Rte Inst Ap EOTActuatorMng.EOTActuatorMng Per1 VehicleSpe        | ed Kph target_EOTActuatorMng_Per1_     | VehicleSpeed_Kph_f32        |       |
| Name  | Actual Value                           | Expected Value              | Resul |
| EOTActuatorMng Damping MtrNm M f32                                      | -4.76742029                            | -4.76741982 ± 0.0000390625  | 11000 |
| EOTActuatorMng EOTImpactPos HwDeg M f32                                 | 567.25                                 | 567.25 ± 0.0000390625       |       |
| EOTActuatorMng_FiltEOTGainSV_HwNm_M_u1p31                               | 572430069                              | 572430069 ± 1               |       |
| EOTActuatorMng_FiltHWTrqSV_HwNm_M_s7p24                                 | 110470957                              | 110470957 ± 1               |       |
| EOTActuatorMng OutputRampMultLtd M f32                                  | 0.449000001                            | 0.449000001 ± 0.00390625    |       |
| EOTActuatorMng_PrevEOTGain_Uls_M_f32                                    | 0.266540527                            | 0.266540527 ± 0.0625        |       |
| EOTActuatorMng SESState Uls M enum                                      | SES NORMAL                             | SES NORMAL                  |       |
| target EOTActuatorMng Per1 AssistEOTDamping MtrNm f32.value             | -4.76742029                            | -4.76741982 ± 0.00048828125 |       |
| target_EOTActuatorMing_Peri_AssistEOTOair_Lills_f00.uslus               | -4.70742029                            | -4.76741962 ± 0.00046626125 |       |

| T  |       |  |       | <b>✓</b> |
|--|-------|--|-------|----------|
| Actual Function                                    | Count | Expected Function                                  | Count | Result   |
| Rte_Call_EOTActuatorMng_Per1_CP0_CheckpointReached | 1     | Rte_Call_EOTActuatorMng_Per1_CP0_CheckpointReached | 1     | ~        |
| EOTDetermination                                   | 1     | EOTDetermination                                   | 1     | •        |
| SES_DetLmtPos                                      | 1     | SES_DetLmtPos                                      | 1     | •        |
| SES_CalcExitGain                                   | 1     | SES_CalcExitGain                                   | 1     | <b>✓</b> |
| IntplVarXY_u16_u16Xu16Y_Cnt                        | 1     | IntplVarXY_u16_u16Xu16Y_Cnt                        | 1     | ~        |
| SES_CalcEnterGain                                  | 1     | SES_CalcEnterGain                                  | 1     | ~        |
| BilinearXMYM_u16_u16XMu16YM_Cnt                    | 1     | BilinearXMYM_u16_u16XMu16YM_Cnt                    | 1     | ~        |
| SES_CalcEOTGain                                    | 1     | SES_CalcEOTGain                                    | 1     | ~        |
| SES_FiltEOTGain                                    | 1     | SES_FiltEOTGain                                    | 1     | ~        |
| SES_CalcEOTDamp                                    | 1     | SES_CalcEOTDamp                                    | 1     | <b>✓</b> |
| BilinearXMYM_u16_u16XMu16YM_Cnt                    | 1     | BilinearXMYM_u16_u16XMu16YM_Cnt                    | 1     | ~        |
| SES_StateCtrl                                      | 1     | SES_StateCtrl                                      | 1     | ~        |
| IntplVarXY_u16_u16Xu16Y_Cnt                        | 2     | IntplVarXY_u16_u16Xu16Y_Cnt                        | 2     | ~        |
| Rte_Call_EOTActuatorMng_Per1_CP1_CheckpointReached | 1     | Rte_Call_EOTActuatorMng_Per1_CP1_CheckpointReached | 1     | <b>✓</b> |

0.266540527

8.80000019

target\_EOTActuatorMng\_Per1\_AssistEOTGain\_Uls\_f32.value target\_EOTActuatorMng\_Per1\_AssistEOTLimit\_MtrNm\_f32.value

0.266540527 ± 0.0000390625

8.80000019 ± 0.00048828125



| Fest Step 2.4 (Repeat Count = 1)   | Input Value                       |
|--|-----------------------------------|
| lame   | -2.7999995                        |
| OTActuatorMng_Damping_MtrNm_M_f32<br>OTActuatorMng_EOTImpactPos_HwDeg_M_f32  | -2.79999995<br>456.540009         |
| OTActuatorMng_EOTImpactPos_nwDeg_M_is2   | 365072220                         |
| OTActuatorMng_FiltHWTrqSV_HwNm_M_s7p24   | -111736259                        |
| OTActuatorMng_PrevEOTGain_Uls_M_f32  | 0.31999993                        |
| OTActuatorMng_SESState_Uls_M_enum  | SES_ENTERING                      |
| Rte_Inst_Ap_EOTActuatorMng   | target_Rte_Inst_Ap_EOTActuatorMng |
| _EOTActiveRegionBypassMaxThresh_Uls_f32  | 0.284000009                       |
| _EOTDefltPosition_HwDeg_u12p4  | 8000                              |
| _EOTDeltaTrqThrsh_HwNm_u9p7  | 768                               |
| _EOTDynConf_Uls_u8p8   | 10240                             |
| _EOTEnterLPFKn_Cnt_u16  EOTExitLPFKn Cnt u16   | 799<br>444                        |
| _EOTImpSpdEn_Kph_u9p7  | 5760                              |
| _EOTOriginalImpactandSoftEnd_Cnt_lgc   | 1                                 |
| _EOTPosDepDempFinalSlew_MtrNmpS_T_f32  | 20.3400002                        |
| _EOTStateHwTrqLPFKn_Cnt_u16  | 8888                              |
| _MaxRackTrvl_HwDeg_u12p4   | 7104                              |
| _MinRackTrvl_HwDeg_u12p4   | 15616                             |
| _PosRampStep_HwDeg_u12p4   | 10816                             |
| _SoftStopEOTEnable_Cnt_lgc   | 1                                 |
| _SpdlptScale_MtrNmpRadpS_u4p12   | 81                                |
| 2_EOTEnterGainX_HwDeg_u12p4[0][0]  | 1440                              |
| 2_EOTEnterGainX_HwDeg_u12p4[0][1]  | 1600                              |
| 2_EOTEnterGainX_HwDeg_u12p4[0][2]<br>2_EOTEnterGainX_HwDeg_u12p4[0][3]   | 1760<br>1920                      |
| 2_EOTEnterGainX_HwDeg_u12p4[0][3]  | 528                               |
| 2_EOTEnterGainX_HwDeg_u12p4[1][0]  | 1568                              |
| 2_EOTEnterGainX_HwDeg_u12p4[1][2]  | 1584                              |
| contenterGainX_HwDeg_u12p4[1][3]   | 1600                              |
| 2_EOTEnterGainX_HwDeg_u12p4[2][0]  | 1168                              |
| 2_EOTEnterGainX_HwDeg_u12p4[2][1]  | 3488                              |
| 2_EOTEnterGainX_HwDeg_u12p4[2][2]  | 3504                              |
| 2_EOTEnterGainX_HwDeg_u12p4[2][3]  | 3520                              |
| 2_EOTEnterGainX_HwDeg_u12p4[3][0]  | 1808                              |
| 2_EOTEnterGainX_HwDeg_u12p4[3][1]  | 5408                              |
| 2_EOTEnterGainX_HwDeg_u12p4[3][2]  | 5424                              |
| 2_EOTEnterGainX_HwDeg_u12p4[3][3]  | 5440                              |
| 2_EOTEnterGainY_Uls_u1p15[0][0]  | 5                                 |
| 2_EOTEnterGainY_Uls_u1p15[0][1]<br>2_EOTEnterGainY_Uls_u1p15[0][2]   | 6 29                              |
| 2_EOTEnterGain1_0is_u1p15[0][2]<br>2_EOTEnterGainY_Uls_u1p15[0][3]   | 288                               |
| 2_EOTEnterGainT_UIs_u1p15[0][0]  | 6                                 |
| contenterGainY_Uls_u1p15[1][1]   | 7                                 |
| 2_EOTEnterGainY_Uls_u1p15[1][2]  | 59                                |
| 2_EOTEnterGainY_Uls_u1p15[1][3]  | 573                               |
| 2_EOTEnterGainY_Uls_u1p15[2][0]  | 6                                 |
| 2_EOTEnterGainY_Uls_u1p15[2][1]  | 6                                 |
| 2_EOTEnterGainY_Uls_u1p15[2][2]  | 49                                |
| 2_EOTEnterGainY_Uls_u1p15[2][3]  | 478                               |
| 2_EOTEnterGainY_Uls_u1p15[3][0]  | 8                                 |
| 2_EOTEnterGainY_Uls_u1p15[3][1]  | 8                                 |
| 2_EOTEnterGainY_Uls_u1p15[3][2]  | 108                               |
| 2_EOTEnterGainY_Uls_u1p15[3][3]  | 1049                              |
| 2_EOTExPosDepDmpTblY_MtrNmpRadps_u0p16[0][0]   | 76<br>108                         |
| 2_EOTExPosDepDmpTblY_MtrNmpRadps_u0p16[0][1] 2_EOTExPosDepDmpTblY_MtrNmpRadps_u0p16[1][0]                            | 108<br>122                        |
| 2_EOTEXPosDepDmpTbIY_MtrNmpRadps_u0pTo[1][0] 2_EOTExPosDepDmpTbIY_MtrNmpRadps_u0p16[1][1]                            | 173                               |
| 2_EOTEXPOSDEpDmpTblY_MtrNmpRadps_u0p16[2][0]   | 122                               |
| 2_EOTEXPosDepDmpTblY_MtrNmpRadps_u0p16[2][1]   | 173                               |
| 2_EOTExPosDepDmpTblY_MtrNmpRadps_u0p16[3][0]   | 77                                |
| 2_EOTExPosDepDmpTblY_MtrNmpRadps_u0p16[3][1]   | 108                               |
| 2_EOTPosDepDmpTblX_HwDeg_u12p4[0][0]   | 544                               |
| 2_EOTPosDepDmpTblX_HwDeg_u12p4[0][1]   | 1168                              |
| 2_EOTPosDepDmpTblX_HwDeg_u12p4[1][0]   | 688                               |
| 2_EOTPosDepDmpTblX_HwDeg_u12p4[1][1]   | 1072                              |
| 2_EOTPosDepDmpTblX_HwDeg_u12p4[2][0]   | 784                               |
|  | 1.00                              |
| 2_EOTPosDepDmpTblX_HwDeg_u12p4[2][1]   | 4064                              |
| 2_EOTPosDepDmpTblX_HwDeg_u12p4[2][1]<br>2_EOTPosDepDmpTblX_HwDeg_u12p4[3][0]<br>2_EOTPosDepDmpTblX_HwDeg_u12p4[3][1] | 4064<br>448<br>592                |

2015-06-29, 18:31:27+0530



| Name  | Input Value               |  |       |
|---|---------------------------|--|-------|
| t2_EOTPosDepDmpTblY_MtrNmpRadpS_u0p16[0][1]                           | 11                        |  |       |
| t2_EOTPosDepDmpTblY_MtrNmpRadpS_u0p16[1][0]                           | 183                       |  |       |
| t2_EOTPosDepDmpTblY_MtrNmpRadpS_u0p16[1][1]                           | 259                       |  |       |
| t2_EOTPosDepDmpTblY_MtrNmpRadpS_u0p16[2][0]                           | 102                       |  |       |
| t2_EOTPosDepDmpTblY_MtrNmpRadpS_u0p16[2][1]                           | 452                       |  |       |
| t2_EOTPosDepDmpTblY_MtrNmpRadpS_u0p16[3][0]                           | 4                         |  |       |
| t2_EOTPosDepDmpTblY_MtrNmpRadpS_u0p16[3][1]                           | 713                       |  |       |
| t_EOTDmpVspd_Kph_u9p7[0]  | 4224                      |  |       |
| t_EOTDmpVspd_Kph_u9p7[1]  | 12544                     |  |       |
| t_EOTDmpVspd_Kph_u9p7[2]  | 12672                     |  |       |
| t_EOTDmpVspd_Kph_u9p7[3]  | 12800                     |  |       |
| t_EOTEnterGainVspd_Kph_u9p7[0]  | 4224                      |  |       |
| t_EOTEnterGainVspd_Kph_u9p7[1]  | 12544                     |  |       |
| t_EOTEnterGainVspd_Kph_u9p7[2]  | 12672                     |  |       |
| t_EOTEnterGainVspd_Kph_u9p7[3]  | 12800                     |  |       |
| t_SpdlptTblXTbl_HwDeg_u12p4[0]  | 16                        |  |       |
| t_SpdlptTblXTbl_HwDeg_u12p4[1]  | 272                       |  |       |
| t_SpdlptTblYTbl_MtrRadpS_u12p4[0]                                     | 448                       |  |       |
| t_SpdlptTblYTbl_MtrRadpS_u12p4[1]                                     | 592                       |  |       |
| t_TrqTableX_HwNm_u8p8[0]  | 512                       |  |       |
| t_TrqTableX_HwNm_u8p8[1]  | 1536                      |  |       |
| t_TrqTbIY_Uls_u2p14[0]  | 66                        |  |       |
| t_TrqTblY_Uls_u2p14[1]  | 655                       |  |       |
| target_EOTActuatorMng_Per1_CcwEOT_HwDeg_f32.value                     | -666.450012               |  |       |
| target_EOTActuatorMng_Per1_CcwFound_Cnt_lgc.value                     | 0                         |  |       |
| target_EOTActuatorMng_Per1_CwEOT_HwDeg_f32.value                      | 777.539978                |  |       |
| target_EOTActuatorMng_Per1_CwFound_Cnt_lgc.value                      | 0                         |  |       |
| target_EOTActuatorMng_Per1_EOTDisable_Cnt_lgc.value                   | 1                         |  |       |
| target_EOTActuatorMng_Per1_HandWheelAuth_Uls_f32.value                | 0.44999988                |  |       |
| target_EOTActuatorMng_Per1_HandWheelPos_HwDeg_f32.value               | -600.039978               |  |       |
| target_EOTActuatorMng_Per1_HwTorque_HwNm_f32.value                    | -5.0999999                |  |       |
| target_EOTActuatorMng_Per1_MotorVel_MtrRadpS_f32.value                | -0.40000006               |  |       |
| target_EOTActuatorMng_Per1_OutputRampMultLtd_Uls_f32.value            | 0.136000007               |  |       |
| target_EOTActuatorMng_Per1_VehicleSpeed_Kph_f32.value                 | 15.04                     |  |       |
| target_Rte_Inst_Ap_EOTActuatorMng.EOTActuatorMng_Per1_AssistEOTDamp   |                           |  |       |
| target_Rte_Inst_Ap_EOTActuatorMng.EOTActuatorMng_Per1_AssistEOTGain_  |                           |  |       |
| target_Rte_Inst_Ap_EOTActuatorMng.EOTActuatorMng_Per1_AssistEOTLimit_ |                           |  |       |
| target_Rte_Inst_Ap_EOTActuatorMng.EOTActuatorMng_Per1_CcwEOT_HwDe     |                           |  |       |
| target_Rte_Inst_Ap_EOTActuatorMng.EOTActuatorMng_Per1_CcwFound_Cnt_   |                           |  |       |
| target_Rte_Inst_Ap_EOTActuatorMng.EOTActuatorMng_Per1_CwEOT_HwDeg     |                           | <del>-</del>   |       |
| target_Rte_Inst_Ap_EOTActuatorMng.EOTActuatorMng_Per1_CwFound_Cnt_Iq  |                           |  |       |
| target Rte Inst Ap EOTActuatorMng.EOTActuatorMng Per1 EOTDisable Cnt  |                           |  |       |
| target Rte Inst Ap EOTActuatorMng.EOTActuatorMng Per1 HandWheelAuth   | , - ,                     |  |       |
| target_Rte_Inst_Ap_EOTActuatorMng.EOTActuatorMng_Per1_HandWheelPos_   |                           |  |       |
| target_Rte_Inst_Ap_EOTActuatorMng.EOTActuatorMng_Per1_HwTorque_HwN    |                           |  |       |
| target_Rte_Inst_Ap_EOTActuatorMng.EOTActuatorMng_Per1_MotorVel_MtrRad |                           |  |       |
| target_Rte_Inst_Ap_EOTActuatorMng.EOTActuatorMng_Per1_OutputRampMult  | - 0 - 0 1                 |  |       |
| target_Rte_Inst_Ap_EOTActuatorMng.EOTActuatorMng_Per1_VehicleSpeed_K  |                           |  |       |
| Name  | Actual Value              | Expected Value   | Resul |
| EOTActuatorMng_Damping_MtrNm_M_f32                                    | -2.75932002               | -2.75932002 ± 0.0000390625                               | ,     |
| EOTActuatorMng_EOTImpactPos_HwDeg_M_f32                               | 456.540009                | 456.540009 ± 0.0000390625                                | •     |
| EOTActuatorMng_FiltEOTGainSV_HwNm_M_u1p31                             | 360851902                 | 360851902 ± 1  | •     |
| EOTActuatorMng_FiltHWTrqSV_HwNm_M_s7p24                               | -84983379                 | -84983379 ± 1  | •     |
| EOTActuatorMng_OutputRampMultLtd_M_f32                                | 0.136000007               | 0.136000007 ± 0.00390625                                 | •     |
| EOTActuatorMng_PrevEOTGain_Uls_M_f32                                  | 0.168029785               | 0.168029785 ± 0.0625                                     | •     |
| EOTActuatorMng_SESState_Uls_M_enum                                    | SES_DISABLED              | SES_DISABLED   | •     |
| target_EOTActuatorMng_Per1_AssistEOTDamping_MtrNm_f32.value           | -2.75932002               | -2.75932002 ± 0.00048828125                              | •     |
| target_EOTActuatorMng_Per1_AssistEOTGain_Uls_f32.value                | 0.168029785<br>8.80000019 | 0.168029785 ± 0.0000390625<br>8.80000019 ± 0.00048828125 |       |
| target_EOTActuatorMng_Per1_AssistEOTLimit_MtrNm_f32.value             |                           |  |       |



| T  |       |  |       | V        |
|--|-------|--|-------|----------|
| Actual Function                                    | Count | Expected Function                                  | Count | Result   |
| Rte_Call_EOTActuatorMng_Per1_CP0_CheckpointReached | 1     | Rte_Call_EOTActuatorMng_Per1_CP0_CheckpointReached | 1     | ~        |
| EOTDetermination                                   | 1     | EOTDetermination                                   | 1     | •        |
| SES_DetLmtPos                                      | 1     | SES_DetLmtPos                                      | 1     | ~        |
| SES_CalcExitGain                                   | 1     | SES_CalcExitGain                                   | 1     | •        |
| IntplVarXY_u16_u16Xu16Y_Cnt                        | 1     | IntplVarXY_u16_u16Xu16Y_Cnt                        | 1     | ~        |
| SES_CalcEnterGain                                  | 1     | SES_CalcEnterGain                                  | 1     | <b>✓</b> |
| BilinearXMYM_u16_u16XMu16YM_Cnt                    | 1     | BilinearXMYM_u16_u16XMu16YM_Cnt                    | 1     | -        |
| SES_CalcEOTGain                                    | 1     | SES_CalcEOTGain                                    | 1     | •        |
| SES_FiltEOTGain                                    | 1     | SES_FiltEOTGain                                    | 1     | -        |
| SES_CalcEOTDamp                                    | 1     | SES_CalcEOTDamp                                    | 1     | •        |
| BilinearXMYM_u16_u16XMu16YM_Cnt                    | 1     | BilinearXMYM_u16_u16XMu16YM_Cnt                    | 1     | ~        |
| SES_StateCtrl                                      | 1     | SES_StateCtrl                                      | 1     | ~        |
| Rte_Call_EOTActuatorMng_Per1_CP1_CheckpointReached | 1     | Rte_Call_EOTActuatorMng_Per1_CP1_CheckpointReached | 1     | ~        |

| Test Step 2.5 (Repeat Count = 1)                                     |                                   |
|--|-----------------------------------|
| Name   | Input Value                       |
| EOTActuatorMng_Damping_MtrNm_M_f32                                   | -0.800000012                      |
| EOTActuatorMng_EOTImpactPos_HwDeg_M_f32                              | 345.653992                        |
| EOTActuatorMng_FiltEOTGainSV_HwNm_M_u1p31                            | 1997159793                        |
| EOTActuatorMng_FiltHWTrqSV_HwNm_M_s7p24                              | 93113549                          |
| EOTActuatorMng_PrevEOTGain_Uls_M_f32                                 | 0.20999993                        |
| EOTActuatorMng_SESState_Uls_M_enum                                   | SES_NORMAL                        |
| Rte_Inst_Ap_EOTActuatorMng   | target_Rte_Inst_Ap_EOTActuatorMng |
| k_EOTActiveRegionBypassMaxThresh_Uls_f32                             | 0.81099999                        |
| k_EOTDefltPosition_HwDeg_u12p4                                       | 9600                              |
| k_EOTDeltaTrqThrsh_HwNm_u9p7   | 640                               |
| k_EOTDynConf_Uls_u8p8  | 12800                             |
| k_EOTEnterLPFKn_Cnt_u16  | 600                               |
| k_EOTExitLPFKn_Cnt_u16   | 555                               |
| k_EOTImpSpdEn_Kph_u9p7   | 5888                              |
| k_EOTOriginalImpactandSoftEnd_Cnt_lgc                                | 0                                 |
| k_EOTPosDepDempFinalSlew_MtrNmpS_T_f32                               | 24.3899994                        |
| k_EOTStateHwTrqLPFKn_Cnt_u16   | 7777                              |
| k_MaxRackTrvl_HwDeg_u12p4  | 8880                              |
| k_MinRackTrvl_HwDeg_u12p4  | 14336                             |
| k_PosRampStep_HwDeg_u12p4  | 4096                              |
| k_SoftStopEOTEnable_Cnt_lgc  | 0                                 |
| k_SpdlptScale_MtrNmpRadpS_u4p12                                      | 82                                |
| t2_EOTEnterGainX_HwDeg_u12p4[0][0]                                   | 0                                 |
| t2_EOTEnterGainX_HwDeg_u12p4[0][1]                                   | 96                                |
| t2_EOTEnterGainX_HwDeg_u12p4[0][2]                                   | 160                               |
| t2_EOTEnterGainX_HwDeg_u12p4[0][3]                                   | 352                               |
| t2_EOTEnterGainX_HwDeg_u12p4[1][0]                                   | 544                               |
| t2_EOTEnterGainX_HwDeg_u12p4[1][1]                                   | 1616                              |
| t2_EOTEnterGainX_HwDeg_u12p4[1][2]                                   | 1632                              |
| t2_EOTEnterGainX_HwDeg_u12p4[1][3]                                   | 1648                              |
| t2_EOTEnterGainX_HwDeg_u12p4[2][0]                                   | 1184                              |
| t2_EOTEnterGainX_HwDeg_u12p4[2][1]                                   | 3536                              |
| t2_EOTEnterGainX_HwDeg_u12p4[2][2]                                   | 3552                              |
| t2_EOTEnterGainX_HwDeg_u12p4[2][3]                                   | 3568                              |
| t2_EOTEnterGainX_HwDeg_u12p4[3][0]                                   | 1824                              |
| t2_EOTEnterGainX_HwDeg_u12p4[3][1]                                   | 5456                              |
| t2_EOTEnterGainX_HwDeg_u12p4[3][2]                                   | 5472                              |
| t2_EOTEnterGainX_HwDeg_u12p4[3][3]                                   | 5488                              |
| t2_EOTEnterGainY_Uls_u1p15[0][0]                                     | 5                                 |
| t2_EOTEnterGainY_Uls_u1p15[0][1]                                     | 6                                 |
| t2_EOTEnterGainY_Uls_u1p15[0][2]                                     | 39                                |
| t2_EOTEnterGainY_UIs_u1p15[0][3]                                     | 383                               |
| t2_EOTEnterGainY_Uls_u1p15[1][0]                                     | 6                                 |
| t2_EOTEnterGainY_Uls_u1p15[1][1]                                     | 7                                 |
| t2_EOTEnterGainY_Uls_u1p15[1][2]                                     | 69                                |
| t2_EOTEnterGainY_Uls_u1p15[1][3]                                     | 668                               |
| t2_EOTEnterGainY_Uls_u1p15[2][0]                                     | 6                                 |
| t2_EOTEnterGainY_Uls_u1p15[2][1]                                     | 7                                 |
| t2_EOTEnterGainY_Uls_u1p15[2][2]                                     | 59                                |
| t2_EOTEnterGainT_Uis_u1p15[2][2]<br>t2_EOTEnterGainY_Uls_u1p15[2][3] | 573                               |
| t2_EOTEnterGainT_Uis_u1p15[2][0]                                     | 8                                 |
| t2_EOTEnterGainY_Uis_u1p15[3][0]                                     | 9                                 |
| 12_LOTEM61Gail11_Olo_u1p10[0][1]                                     | J                                 |

2015-06-29, 18:31:27+0530



EOTActuatorMng\_Per1

|   | l                                     |   |          |
|---|---------------------------------------|---|----------|
| Name  | Input Value                           |   |          |
| t2_EOTEnterGainY_Uls_u1p15[3][2]  | 118                                   |   |          |
| t2_EOTEnterGainY_Uls_u1p15[3][3]  | 1144                                  |   |          |
| t2_EOTExPosDepDmpTblY_MtrNmpRadps_u0p16[0][0]   | 62                                    |   |          |
| t2_EOTExPosDepDmpTblY_MtrNmpRadps_u0p16[0][1]   | 87                                    |   |          |
| t2_EOTExPosDepDmpTblY_MtrNmpRadps_u0p16[1][0]   | 137<br>194                            |   |          |
| t2_EOTExPosDepDmpTblY_MtrNmpRadps_u0p16[1][1]   | 137                                   |   |          |
| t2_EOTExPosDepDmpTblY_MtrNmpRadps_u0p16[2][0] t2_EOTExPosDepDmpTblY_MtrNmpRadps_u0p16[2][1]   | 194                                   |   |          |
| t2_EOTEXPosDepDmpTblY_MtrNmpRadps_u0p16[3][0]   | 92                                    |   |          |
| t2_EOTEXPosDepDmpTblY_MtrNmpRadps_u0p16[3][1]   | 130                                   |   |          |
| t2 EOTPosDepDmpTbIX HwDeg u12p4[0][0]   | 576                                   |   |          |
| t2 EOTPosDepDmpTblX HwDeg u12p4[0][1]   | 1184                                  |   |          |
| t2 EOTPosDepDmpTblX HwDeg u12p4[1][0]   | 704                                   |   |          |
| t2_EOTPosDepDmpTbIX_HwDeg_u12p4[1][1]   | 1088                                  |   |          |
| t2_EOTPosDepDmpTbIX_HwDeg_u12p4[2][0]   | 768                                   |   |          |
| t2_EOTPosDepDmpTblX_HwDeg_u12p4[2][1]   | 4080                                  |   |          |
| t2_EOTPosDepDmpTblX_HwDeg_u12p4[3][0]   | 464                                   |   |          |
| t2_EOTPosDepDmpTblX_HwDeg_u12p4[3][1]   | 608                                   |   |          |
| t2_EOTPosDepDmpTblY_MtrNmpRadpS_u0p16[0][0]   | 9                                     |   |          |
| t2_EOTPosDepDmpTblY_MtrNmpRadpS_u0p16[0][1]   | 62                                    |   |          |
| t2_EOTPosDepDmpTblY_MtrNmpRadpS_u0p16[1][0]   | 198                                   |   |          |
| t2_EOTPosDepDmpTblY_MtrNmpRadpS_u0p16[1][1]   | 280                                   |   |          |
| t2_EOTPosDepDmpTblY_MtrNmpRadpS_u0p16[2][0]   | 122                                   |   |          |
| t2_EOTPosDepDmpTblY_MtrNmpRadpS_u0p16[2][1]   | 173                                   |   |          |
| t2_EOTPosDepDmpTblY_MtrNmpRadpS_u0p16[3][0]   | 103                                   |   |          |
| t2_EOTPosDepDmpTblY_MtrNmpRadpS_u0p16[3][1]   | 728                                   |   |          |
| t_EOTDmpVspd_Kph_u9p7[0]  | 4352                                  |   |          |
| t_EOTDmpVspd_Kph_u9p7[1]  | 12928                                 |   |          |
| t_EOTDmpVspd_Kph_u9p7[2]  | 13056                                 |   |          |
| t_EOTDmpVspd_Kph_u9p7[3]  | 13184                                 |   |          |
| t_EOTEnterGainVspd_Kph_u9p7[0]  | 4352                                  |   |          |
| t_EOTEnterGainVspd_Kph_u9p7[1]  | 12928                                 |   |          |
| t_EOTEnterGainVspd_Kph_u9p7[2]  | 13056                                 |   |          |
| t_EOTEnterGainVspd_Kph_u9p7[3]  | 13184                                 |   |          |
| t_SpdlptTblXTbl_HwDeg_u12p4[0]  | 0                                     |   |          |
| t_SpdIptTbIXTbl_HwDeg_u12p4[1]  | 288                                   |   |          |
| t_SpdlptTblYTbl_MtrRadpS_u12p4[0]   | 464                                   |   |          |
| t_SpdlptTblYTbl_MtrRadpS_u12p4[1]   | 608                                   |   |          |
| t_TrqTableX_HwNm_u8p8[0]  | 768                                   |   |          |
| t_TrqTableX_HwNm_u8p8[1]  | 1280                                  |   |          |
| t_TrqTbIY_Uls_u2p14[0]  | 82                                    |   |          |
| t_TrqTbIY_Uls_u2p14[1]  | 819                                   |   |          |
| target_EOTActuatorMng_Per1_CcwEOT_HwDeg_f32.value   | -665.140015                           |   |          |
| target_EOTActuatorMng_Per1_CcwFound_Cnt_lgc.value   | 1                                     |   |          |
| target_EOTActuatorMng_Per1_CwEOT_HwDeg_f32.value  | 750.14502                             |   |          |
| target_EOTActuatorMng_Per1_CwFound_Cnt_lgc.value  | 1                                     |   |          |
| target_EOTActuatorMng_Per1_EOTDisable_Cnt_lgc.value   | 0                                     |   |          |
| target_EOTActuatorMng_Per1_HandWheelAuth_Uls_f32.value  | 0.82999983                            |   |          |
| target_EOTActuatorMng_Per1_HandWheelPos_HwDeg_f32.value   | 600.070007                            |   |          |
| target_EOTActuatorMng_Per1_HwTorque_HwNm_f32.value  | 5.0999999                             |   |          |
| target_EOTActuatorMng_Per1_MotorVel_MtrRadpS_f32.value  | 0.5                                   |   |          |
| target_EOTActuatorMng_Per1_OutputRampMultLtd_Uls_f32.value  | 0.477999985                           |   |          |
| target_EOTActuatorMng_Per1_VehicleSpeed_Kph_f32.value   | 16.0499992                            | maning Manham 500                                 |          |
| target_Rte_Inst_Ap_EOTActuatorMng_EOTActuatorMng_Per1_AssistEOTDamping_   |                                       |   |          |
| target_Rte_Inst_Ap_EOTActuatorMng_EOTActuatorMng_Per1_AssistEOTGain_Uls_  |                                       |   |          |
| target_Rte_Inst_Ap_EOTActuatorMng_EOTActuatorMng_Per1_AssistEOTLimit_Mtr1   |                                       |   |          |
| target_Rte_Inst_Ap_EOTActuatorMng_EOTActuatorMng_Per1_CcwEOT_HwDeg_f3   |                                       |   |          |
| target_Rte_Inst_Ap_EOTActuatorMng_EOTActuatorMng_Per1_CcwFound_Cnt_Igc  | target_EOTActuatorMng_Per1_CcwFound_C |   |          |
| target_Rte_Inst_Ap_EOTActuatorMng_EOTActuatorMng_Per1_CwEOT_HwDeg_f32   |                                       | <del></del>                                       |          |
| target_Rte_Inst_Ap_EOTActuatorMng.EOTActuatorMng_Per1_CwFound_Cnt_Igc<br>target_Rte_Inst_Ap_EOTActuatorMng.EOTActuatorMng_Per1_EOTDisable_Cnt_Igc | target_EOTActuatorMng_Per1_CwFound_Cr |   |          |
| target_Rte_Inst_Ap_EOTActuatorMng.EOTActuatorMng_Per1_EOTDIsable_Cfit_igt target_Rte_Inst_Ap_EOTActuatorMng.EOTActuatorMng_Per1_HandWheelAuth_Uls |                                       |   |          |
| target Rte Inst Ap EOTActuatorMng.EOTActuatorMng Per I_HandWheelPos Hwl   |                                       |   |          |
| target_Rte_Inst_Ap_EOTActuatorMng.EOTActuatorMng_Per1_HarndvvneeiPos_nwi  |                                       |   |          |
| target_Rte_Inst_Ap_EOTActuatorMng.EOTActuatorMng_Per1_mwTorque_mwNff_i.   |                                       |   |          |
| target_Rte_Inst_Ap_EOTActuatorMng.EOTActuatorMng_Per1_MotorVer_witrRadps_   |                                       |   |          |
| target Rte Inst Ap EOTActuatorMng.EOTActuatorMng Per I VehicleSpeed Kph   |                                       |   |          |
| Name  | Actual Value                          |   | Result   |
|   |                                       | 0.751210088 + 0.0000300625                        | Result   |
| EOTActuatorMng_Damping_MtrNm_M_f32  | -0.751219988<br>600                   | -0.751219988 ± 0.0000390625<br>600 ± 0.0000390625 | -        |
| EOTActuatorMng_EOTImpactPos_HwDeg_M_f32 EOTActuatorMng_FiltEOTGainSV_HwNm_M_u1p31   | 1979105193                            | 1979105193 ± 1                                    | <b>-</b> |
| EOTActuatorMng_FiltEOTGainSV_HwNm_M_uTp31  EOTActuatorMng_FiltHWTrqSV_HwNm_M_s7p24  | 92219194                              | 92219194 ± 1                                      | -        |
| LOTAGIDATION TIGOV_TIWNINI_W_5/P24  | JLL 10 104                            | 022 10 134 I I                                    |          |

0.477999985

 $EOTActuator Mng\_Output Ramp Mult Ltd\_M\_f32$ 

0.477999985 ± 0.00390625

2015-06-29, 18:31:27+0530



| Name  | Actual Value | Expected Value               | Result   |
|---|--------------|------------------------------|----------|
| EOTActuatorMng_PrevEOTGain_Uls_M_f32                        | 0.921569824  | 0.921569824 ± 0.0625         | •        |
| EOTActuatorMng_SESState_Uls_M_enum                          | SES_DISABLED | SES_DISABLED                 | ~        |
| target_EOTActuatorMng_Per1_AssistEOTDamping_MtrNm_f32.value | -0.751219988 | -0.751219988 ± 0.00048828125 | <b>✓</b> |
| target_EOTActuatorMng_Per1_AssistEOTGain_Uls_f32.value      | 0.921569824  | 0.921569824 ± 0.0000390625   | •        |
| target EOTActuatorMng Per1 AssistEOTLimit MtrNm f32.value   | 0.570556641  | 0.570556641 ± 0.00048828125  | <b>✓</b> |

| Т  |       |  |       | V        |
|--|-------|--|-------|----------|
| Actual Function                                    | Count | Expected Function                                  | Count | Result   |
| Rte_Call_EOTActuatorMng_Per1_CP0_CheckpointReached | 1     | Rte_Call_EOTActuatorMng_Per1_CP0_CheckpointReached | 1     | ~        |
| EOTDetermination                                   | 1     | EOTDetermination                                   | 1     | •        |
| EOTOrigImpact                                      | 1     | EOTOrigImpact                                      | 1     | -        |
| IntplVarXY_u16_u16Xu16Y_Cnt                        | 1     | IntplVarXY_u16_u16Xu16Y_Cnt                        | 1     | ~        |
| SES_DetLmtPos                                      | 1     | SES_DetLmtPos                                      | 1     | -        |
| SES_CalcExitGain                                   | 1     | SES_CalcExitGain                                   | 1     | •        |
| IntplVarXY_u16_u16Xu16Y_Cnt                        | 1     | IntplVarXY_u16_u16Xu16Y_Cnt                        | 1     | •        |
| SES_CalcEnterGain                                  | 1     | SES_CalcEnterGain                                  | 1     | ~        |
| BilinearXMYM_u16_u16XMu16YM_Cnt                    | 1     | BilinearXMYM_u16_u16XMu16YM_Cnt                    | 1     | ~        |
| SES_CalcEOTGain                                    | 1     | SES_CalcEOTGain                                    | 1     | ~        |
| SES_FiltEOTGain                                    | 1     | SES_FiltEOTGain                                    | 1     | ~        |
| SES_CalcEOTDamp                                    | 1     | SES_CalcEOTDamp                                    | 1     | <b>✓</b> |
| BilinearXMYM_u16_u16XMu16YM_Cnt                    | 1     | BilinearXMYM_u16_u16XMu16YM_Cnt                    | 1     | ~        |
| SES_StateCtrl                                      | 1     | SES_StateCtrl                                      | 1     | ~        |
| Rte Call EOTActuatorMng Per1 CP1 CheckpointReached | 1     | Rte Call EOTActuatorMng Per1 CP1 CheckpointReached | 1     | <b>~</b> |

| Test Step 2.6 (Repeat Count = 1)          |             | <b>✓</b> |
|---|-------------|----------|
| Name                                      | Input Value |          |
| EOTActuatorMng_Damping_MtrNm_M_f32        | 1.20000005  |          |
| EOTActuatorMng_EOTImpactPos_HwDeg_M_f32   | 234.052002  |          |
| EOTActuatorMng_FiltEOTGainSV_HwNm_M_u1p31 | 1782411428  |          |
| EOTActuatorMng_FiltHWTrqSV_HwNm_M_s7p24   | -74490839   |          |
| EOTActuatorMng_PrevEOTGain_Uls_M_f32      | 0.310000002 |          |
| EOTActuatorMng_SESState_Uls_M_enum        |             |          |

2015-06-29, 18:31:27+0530



| EOTActuatorMng_Per1   | TAACICAG   |
|---|--|
| Name  | Input Value  |
| t2_EOTEnterGainY_Uls_u1p15[1][2]  | 78   |
| t2_EOTEnterGainY_Uls_u1p15[1][3]  | 763  |
| t2_EOTEnterGainY_Uls_u1p15[2][0]  | 6  |
| t2_EOTEnterGainY_Uls_u1p15[2][1]  | 7  |
| t2_EOTEnterGainY_Uls_u1p15[2][2]  | 69   |
| t2_EOTEnterGainY_Uls_u1p15[2][3]  | 668  |
| t2_EOTEnterGainY_Uls_u1p15[3][0]  | 8  |
| t2_EOTEnterGainY_Uls_u1p15[3][1]  | 9  |
| t2_EOTEnterGainY_Uls_u1p15[3][2]  | 127  |
| 12_EOTEnterGainY_Uls_u1p15[3][3]  | 1239   |
| t2_EOTExPosDepDmpTbIY_MtrNmpRadps_u0p16[0][0] t2_EOTExPosDepDmpTbIY_MtrNmpRadps_u0p16[0][1]                     | 77<br>108  |
| t2_EOTEXPOSDEpDmpTbIY_MtrNmpRadps_u0p16[0][1] t2_EOTEXPosDepDmpTbIY_MtrNmpRadps_u0p16[1][0]                     | 153  |
| t2_EOTEXPosDepDmpTblY_MtrNmpRadps_u0p16[1][1]   | 216  |
| 2_EOTExPosDepDmpTblY_MtrNmpRadps_u0p16[2][0]  | 153  |
| 2_EOTExPosDepDmpTblY_MtrNmpRadps_u0p16[2][1]  | 216  |
| 2_EOTExPosDepDmpTblY_MtrNmpRadps_u0p16[3][0]  | 107  |
| 12_EOTExPosDepDmpTblY_MtrNmpRadps_u0p16[3][1]   | 151  |
| 2_EOTPosDepDmpTblX_HwDeg_u12p4[0][0]  | 608  |
| 2_EOTPosDepDmpTblX_HwDeg_u12p4[0][1]  | 1200   |
| 2_EOTPosDepDmpTblX_HwDeg_u12p4[1][0]  | 720  |
| 2_EOTPosDepDmpTblX_HwDeg_u12p4[1][1]  | 1104   |
| 2_EOTPosDepDmpTblX_HwDeg_u12p4[2][0]  | 800  |
| 2_EOTPosDepDmpTblX_HwDeg_u12p4[2][1]  | 4096   |
| 2_EOTPosDepDmpTblX_HwDeg_u12p4[3][0]  | 480  |
| 2_EOTPosDepDmpTblX_HwDeg_u12p4[3][1]  | 624  |
| 2_EOTPosDepDmpTblY_MtrNmpRadpS_u0p16[0][0]  | 11   |
| 2_EOTPosDepDmpTblY_MtrNmpRadpS_u0p16[0][1]  | 77   |
| t2_EOTPosDepDmpTblY_MtrNmpRadpS_u0p16[1][0]   | 213  |
| t2_EOTPosDepDmpTblY_MtrNmpRadpS_u0p16[1][1]   | 302  |
| 2_EOTPosDepDmpTblY_MtrNmpRadpS_u0p16[2][0]  | 137  |
| 2_EOTPosDepDmpTblY_MtrNmpRadpS_u0p16[2][1]  | 194<br>74  |
| :2_EOTPosDepDmpTblY_MtrNmpRadpS_u0p16[3][0] :2_EOTPosDepDmpTblY_MtrNmpRadpS_u0p16[3][1]                         | 105  |
| t_EOTDmpVspd_Kph_u9p7[0]  | 4480   |
| t_EOTDmpVspd_Kph_u9p7[1]  | 13312  |
| t_EOTDmpVspd_Kph_u9p7[2]  | 13440  |
| t_EOTDmpVspd_Kph_u9p7[3]  | 13568  |
| t_EOTEnterGainVspd_Kph_u9p7[0]  | 4480   |
| t_EOTEnterGainVspd_Kph_u9p7[1]  | 13312  |
| t_EOTEnterGainVspd_Kph_u9p7[2]  | 13440  |
| t_EOTEnterGainVspd_Kph_u9p7[3]  | 13568  |
| t_SpdlptTblXTbl_HwDeg_u12p4[0]  | 144  |
| t_SpdlptTblXTbl_HwDeg_u12p4[1]  | 304  |
| SpdlptTblYTbl_MtrRadpS_u12p4[0]   | 480  |
| t_SpdlptTblYTbl_MtrRadpS_u12p4[1]   | 624  |
| t_TrqTableX_HwNm_u8p8[0]  | 256  |
| :_TrqTableX_HwNm_u8p8[1]  | 1024   |
| t_TrqTbIY_Uls_u2p14[0]  | 16   |
| t_TrqTblY_Uls_u2p14[1]  | 98   |
| arget_EOTActuatorMng_Per1_CcwEOT_HwDeg_f32.value  | -555.349976  |
| arget_EOTActuatorMng_Per1_CcwFound_Cnt_lgc.value  |  |
| arget_EOTActuatorMng_Per1_CwEOT_HwDeg_f32.value   | 0  |
| arget_EOTActuatorMng_Per1_CwFound_Cnt_lgc.value   |  |
| arget_EOTActuatorMng_Per1_EOTDisable_Cnt_lgc.value  | 0<br>0.230000004                                   |
| arget_EOTActuatorMng_Per1_HandWheelAuth_Uls_f32.value<br>arget_EOTActuatorMng_Per1_HandWheelPos_HwDeg_f32.value | -500.170013  |
| arget_EOTActuatorMng_Per1_mandvvneeiPos_mwbeg_isz.value arget_EOTActuatorMng_Per1_HwTorque_HwNm_f32.value       | 1.10000002   |
| arget_EOTActuatorMng_Per1_mwTorque_mwNn1_isz.value  | -0.60000024  |
| arget_EOTActuatorMng_Per1_MotorVer_MitNaup3_32.value  | 0.953000009  |
| arget_EOTActuatorMng_Per1_VehicleSpeed_Kph_f32.value  | 17.0599995   |
| arget_Rte_Inst_Ap_EOTActuatorMng.EOTActuatorMng_Per1_AssistEOTDamping   |  |
| arget_Rte_Inst_Ap_EOTActuatorMng.EOTActuatorMng_Per1_AssistEOTGain_Uls  | ,            |
| arget_Rte_Inst_Ap_EOTActuatorMng.EOTActuatorMng_Per1_AssistEOTLimit_Mtrl  |  |
| arget_Rte_Inst_Ap_EOTActuatorMng.EOTActuatorMng_Per1_CcwEOT_HwDeg_f3  |  |
| target_Rte_Inst_Ap_EOTActuatorMng.EOTActuatorMng_Per1_CcwFound_Cnt_lgc  |  |
| arget_Rte_Inst_Ap_EOTActuatorMng.EOTActuatorMng_Per1_CwEOT_HwDeg_f3   |  |
| arget_Rte_Inst_Ap_EOTActuatorMng.EOTActuatorMng_Per1_CwFound_Cnt_Igc  | target_EOTActuatorMng_Per1_CwFound_Cnt_lgc         |
| target Rte Inst Ap EOTActuatorMng.EOTActuatorMng Per1 EOTDisable Cnt Ig   | target_EOTActuatorMng_Per1_EOTDisable_Cnt_lgc      |
| target_Rte_Inst_Ap_EOTActuatorMng.EOTActuatorMng_Per1_HandWheelAuth_Uls   | s target_EOTActuatorMng_Per1_HandWheelAuth_Uls_f32 |
| target_Rte_Inst_Ap_EOTActuatorMng.EOTActuatorMng_Per1_HandWheelPos_Hw   | target_EOTActuatorMng_Per1_HandWheelPos_HwDeg_f32  |
| torget Dte Inst An EOTAstusterMag EOTAstusterMag Dord HwTorgus HwNm f   | f target FOTActuatorMng Per1 HwTorque HwNm f32     |
| target_Rte_Inst_Ap_EOTActuatorMng.EOTActuatorMng_Per1_HwTorque_HwNm_f   | talget_te // totalterming_r or / rerdue_r          |



| Name   | Input Value                             |                             |        |
|--|---|-----------------------------|--------|
| target_Rte_Inst_Ap_EOTActuatorMng.EOTActuatorMng_Per1_OutputRampMultLtd_ | target_EOTActuatorMng_Per1_OutputRample | MultLtd_Uls_f32             |        |
| target_Rte_Inst_Ap_EOTActuatorMng.EOTActuatorMng_Per1_VehicleSpeed_Kph_  | target_EOTActuatorMng_Per1_VehicleSpeed | d_Kph_f32                   |        |
| Name   | Actual Value                            | Expected Value              | Result |
| EOTActuatorMng_Damping_MtrNm_M_f32                                       | 1.14312005                              | 1.14312005 ± 0.0000390625   | ~      |
| EOTActuatorMng_EOTImpactPos_HwDeg_M_f32                                  | 700                                     | 700 ± 0.0000390625          | ~      |
| EOTActuatorMng_FiltEOTGainSV_HwNm_M_u1p31                                | 1768837428                              | 1768837428 ± 1              | ~      |
| EOTActuatorMng_FiltHWTrqSV_HwNm_M_s7p24                                  | -68784743                               | -68784743 ± 1               | •      |
| EOTActuatorMng_OutputRampMultLtd_M_f32                                   | 0.953000009                             | 0.953000009 ± 0.00390625    | ~      |
| EOTActuatorMng_PrevEOTGain_Uls_M_f32                                     | 0.823669434                             | 0.823669434 ± 0.0625        | ~      |
| EOTActuatorMng_SESState_Uls_M_enum                                       | SES_NORMAL                              | SES_NORMAL                  | ~      |
| target_EOTActuatorMng_Per1_AssistEOTDamping_MtrNm_f32.value              | 1.14312005                              | 1.14312005 ± 0.00048828125  | •      |
| target_EOTActuatorMng_Per1_AssistEOTGain_Uls_f32.value                   | 0.823669434                             | 0.823669434 ± 0.0000390625  | ~      |
| target_EOTActuatorMng_Per1_AssistEOTLimit_MtrNm_f32.value                | 0.768750012                             | 0.768750012 ± 0.00048828125 | ~      |

| Τ  |       |  |       | V        |
|--|-------|--|-------|----------|
| Actual Function                                    | Count | Expected Function                                  | Count | Result   |
| Rte_Call_EOTActuatorMng_Per1_CP0_CheckpointReached | 1     | Rte_Call_EOTActuatorMng_Per1_CP0_CheckpointReached | 1     | ~        |
| EOTDetermination                                   | 1     | EOTDetermination                                   | 1     | <b>✓</b> |
| EOTOrigImpact                                      | 1     | EOTOrigImpact                                      | 1     | ~        |
| IntplVarXY_u16_u16Xu16Y_Cnt                        | 1     | IntplVarXY_u16_u16Xu16Y_Cnt                        | 1     | <b>✓</b> |
| SES_DetLmtPos                                      | 1     | SES_DetLmtPos                                      | 1     | ~        |
| SES_CalcExitGain                                   | 1     | SES_CalcExitGain                                   | 1     | ~        |
| IntplVarXY_u16_u16Xu16Y_Cnt                        | 1     | IntplVarXY_u16_u16Xu16Y_Cnt                        | 1     | ~        |
| SES_CalcEnterGain                                  | 1     | SES_CalcEnterGain                                  | 1     | <b>✓</b> |
| BilinearXMYM_u16_u16XMu16YM_Cnt                    | 1     | BilinearXMYM_u16_u16XMu16YM_Cnt                    | 1     | <b>~</b> |
| SES_CalcEOTGain                                    | 1     | SES_CalcEOTGain                                    | 1     | ~        |
| SES_FiltEOTGain                                    | 1     | SES_FiltEOTGain                                    | 1     | ~        |
| SES_CalcEOTDamp                                    | 1     | SES_CalcEOTDamp                                    | 1     | <b>✓</b> |
| BilinearXMYM_u16_u16XMu16YM_Cnt                    | 1     | BilinearXMYM_u16_u16XMu16YM_Cnt                    | 1     | ~        |
| SES_StateCtrl                                      | 1     | SES_StateCtrl                                      | 1     | <b>✓</b> |
| IntplVarXY_u16_u16Xu16Y_Cnt                        | 2     | IntplVarXY_u16_u16Xu16Y_Cnt                        | 2     | ~        |
| Rte_Call_EOTActuatorMng_Per1_CP1_CheckpointReached | 1     | Rte_Call_EOTActuatorMng_Per1_CP1_CheckpointReached | 1     | ~        |

| Test Step 2.7 (Repeat Count = 1)          | <b>✓</b>                          |
|---|-----------------------------------|
| Name                                      | Input Value                       |
| EOTActuatorMng_Damping_MtrNm_M_f32        | 3.20000005                        |
| EOTActuatorMng_EOTImpactPos_HwDeg_M_f32   | 1000.40997                        |
| EOTActuatorMng_FiltEOTGainSV_HwNm_M_u1p31 | 1567663063                        |
| EOTActuatorMng_FiltHWTrqSV_HwNm_M_s7p24   | -55868129                         |
| EOTActuatorMng_PrevEOTGain_Uls_M_f32      | 0.529999971                       |
| EOTActuatorMng_SESState_Uls_M_enum        | SES_ENTERING                      |
| Rte_Inst_Ap_EOTActuatorMng                | target_Rte_Inst_Ap_EOTActuatorMng |
| k_EOTActiveRegionBypassMaxThresh_Uls_f32  | 0.660000026                       |
| k_EOTDefltPosition_HwDeg_u12p4            | 12800                             |
| k_EOTDeltaTrqThrsh_HwNm_u9p7              | 384                               |
| k_EOTDynConf_Uls_u8p8                     | 17920                             |
| k_EOTEnterLPFKn_Cnt_u16                   | 486                               |
| k_EOTExitLPFKn_Cnt_u16                    | 777                               |
| k_EOTImpSpdEn_Kph_u9p7                    | 6144                              |
| k_EOTOriginalImpactandSoftEnd_Cnt_lgc     | 0                                 |
| k_EOTPosDepDempFinalSlew_MtrNmpS_T_f32    | 32.4900017                        |
| k_EOTStateHwTrqLPFKn_Cnt_u16              | 5555                              |
| k_MaxRackTrvl_HwDeg_u12p4                 | 12432                             |
| k_MinRackTrvl_HwDeg_u12p4                 | 18672                             |
| k_PosRampStep_HwDeg_u12p4                 | 5536                              |
| k_SoftStopEOTEnable_Cnt_lgc               | 0                                 |
| k_SpdlptScale_MtrNmpRadpS_u4p12           | 82                                |
| t2_EOTEnterGainX_HwDeg_u12p4[0][0]        | 800                               |
| t2_EOTEnterGainX_HwDeg_u12p4[0][1]        | 960                               |
| t2_EOTEnterGainX_HwDeg_u12p4[0][2]        | 1152                              |
| t2_EOTEnterGainX_HwDeg_u12p4[0][3]        | 1296                              |
| t2_EOTEnterGainX_HwDeg_u12p4[1][0]        | 576                               |
| t2_EOTEnterGainX_HwDeg_u12p4[1][1]        | 1712                              |
| t2_EOTEnterGainX_HwDeg_u12p4[1][2]        | 1728                              |
| t2_EOTEnterGainX_HwDeg_u12p4[1][3]        | 1744                              |
| t2_EOTEnterGainX_HwDeg_u12p4[2][0]        | 1216                              |
| t2_EOTEnterGainX_HwDeg_u12p4[2][1]        | 3632                              |
| t2_EOTEnterGainX_HwDeg_u12p4[2][2]        | 3648                              |
| t2_EOTEnterGainX_HwDeg_u12p4[2][3]        | 3664                              |
| t2_EOTEnterGainX_HwDeg_u12p4[3][0]        | 1856                              |

2015-06-29, 18:31:27+0530



| Name  | Input Value   |
|---|---|
| t2_EOTEnterGainX_HwDeg_u12p4[3][1]  | 5552  |
| t2_EOTEnterGainX_HwDeg_u12p4[3][2]  | 5568  |
| t2_EOTEnterGainX_HwDeg_u12p4[3][3]  | 5584  |
| t2_EOTEnterGainY_Uls_u1p15[0][0]  | 6   |
| t2_EOTEnterGainY_Uls_u1p15[0][1]<br>t2_EOTEnterGainY_Uls_u1p15[0][2]  | 7<br>59   |
| t2_EOTEnterGainY_UIs_u1p15[0][2] t2_EOTEnterGainY_UIs_u1p15[0][3]   | 573   |
| t2_EOTE.nerGain1_ois_u1p15[0][0]  | 7   |
| t2_EOTEnterGainY_Uls_u1p15[1][1]  | 8   |
| t2_EOTEnterGainY_Uls_u1p15[1][2]  | 88  |
| t2_EOTEnterGainY_Uls_u1p15[1][3]  | 859   |
| t2_EOTEnterGainY_Uls_u1p15[2][0]  | 7   |
| t2_EOTEnterGainY_Uls_u1p15[2][1]  | 7   |
| t2_EOTEnterGainY_Uls_u1p15[2][2]  | 78  |
| t2_EOTEnterGainY_Uls_u1p15[2][3]  | 763   |
| t2_EOTEnterGainY_Uls_u1p15[3][0]  | 9   |
| t2_EOTEnterGainY_Uls_u1p15[3][1]  | 9   |
| t2_EOTEnterGainY_Uls_u1p15[3][2]  | 137   |
| t2_EOTEnterGainY_Uls_u1p15[3][3]  | 1334  |
| t2_EOTExPosDepDmpTblY_MtrNmpRadps_u0p16[0][0]   | 92  |
| t2_EOTExPosDepDmpTblY_MtrNmpRadps_u0p16[0][1]   | 130   |
| t2_EOTExPosDepDmpTblY_MtrNmpRadps_u0p16[1][0]   | 168<br>237  |
| t2_EOTExPosDepDmpTbIY_MtrNmpRadps_u0p16[1][1] t2_EOTExPosDepDmpTbIY_MtrNmpRadps_u0p16[2][0]   | 168   |
| t2_EOTEXPOSDepDmpTblY_mtiNinpRadps_uup16[2][0] t2_EOTEXPOSDepDmpTblY_MtrNmpRadps_u0p16[2][1]  | 237   |
| t2_EOTEXPOSDepDmpTblY_MtrNmpRadps_ubp16[2][1] t2_EOTEXPosDepDmpTblY_MtrNmpRadps_u0p16[3][0]   | 122   |
| t2_EOTExPosDepDmpTblY_MtrNmpRadps_u0p16[3][1]   | 173   |
| t2_EOTPosDepDmpTblX_HwDeg_u12p4[0][0]   | 640   |
| t2_EOTPosDepDmpTblX_HwDeg_u12p4[0][1]   | 1216  |
| t2_EOTPosDepDmpTblX_HwDeg_u12p4[1][0]   | 736   |
| t2_EOTPosDepDmpTblX_HwDeg_u12p4[1][1]   | 1120  |
| t2_EOTPosDepDmpTblX_HwDeg_u12p4[2][0]   | 832   |
| t2_EOTPosDepDmpTblX_HwDeg_u12p4[2][1]   | 4112  |
| t2_EOTPosDepDmpTbIX_HwDeg_u12p4[3][0]   | 496   |
| t2_EOTPosDepDmpTblX_HwDeg_u12p4[3][1]   | 640   |
| t2_EOTPosDepDmpTblY_MtrNmpRadpS_u0p16[0][0]   | 13  |
| t2_EOTPosDepDmpTblY_MtrNmpRadpS_u0p16[0][1]   | 92  |
| t2_EOTPosDepDmpTblY_MtrNmpRadpS_u0p16[1][0]   | 228<br>323  |
| t2_EOTPosDepDmpTblY_MtrNmpRadpS_u0p16[1][1] t2_EOTPosDepDmpTblY_MtrNmpRadpS_u0p16[2][0]   | 153   |
| t2_EOTPosDepDmpTblY_MtrNmpRadpS_u0p16[2][0] t2_EOTPosDepDmpTblY_MtrNmpRadpS_u0p16[2][1]   | 216   |
| t2 EOTPosDepDmpTblY MtrNmpRadpS u0p16[3][0]   | 76  |
| t2 EOTPosDepDmpTblY MtrNmpRadpS u0p16[3][1]   | 108   |
| t_EOTDmpVspd_Kph_u9p7[0]  | 4608  |
| t_EOTDmpVspd_Kph_u9p7[1]  | 13696   |
| t_EOTDmpVspd_Kph_u9p7[2]  | 13824   |
| t_EOTDmpVspd_Kph_u9p7[3]  | 13952   |
| t_EOTEnterGainVspd_Kph_u9p7[0]  | 4608  |
| t_EOTEnterGainVspd_Kph_u9p7[1]  | 13696   |
| t_EOTEnterGainVspd_Kph_u9p7[2]  | 13824   |
| t_EOTEnterGainVspd_Kph_u9p7[3]  | 13952   |
| t_SpdlptTblXTbl_HwDeg_u12p4[0]  | 128   |
| t_SpdlptTblXTbl_HwDeg_u12p4[1]  | 320   |
| t_SpdlptTblYTbl_MtrRadpS_u12p4[0]<br>t SpdlptTblYTbl MtrRadpS_u12p4[1]  | 496<br>640  |
| t_Spdipt1blY1bl_MtrRadpS_u12p4[1] t TrqTableX HwNm u8p8[0]  | 256   |
| t_IrqTableX_HwNm_u8p8[0] t_TrqTableX_HwNm_u8p8[1]   | 768   |
| t_TrqTblY_Uls_u2p14[0]  | 33  |
| t_TrqTblY_Uls_u2p14[1]  | 115   |
| target_EOTActuatorMng_Per1_CcwEOT_HwDeg_f32.value   | -465.279999   |
| target_EOTActuatorMng_Per1_CcwFound_Cnt_Igc.value   | 1   |
| target_EOTActuatorMng_Per1_CwEOT_HwDeg_f32.value  | 1440.10999  |
| target_EOTActuatorMng_Per1_CwFound_Cnt_lgc.value  | 0   |
| target_EOTActuatorMng_Per1_EOTDisable_Cnt_lgc.value   | 0   |
| target_EOTActuatorMng_Per1_HandWheelAuth_Uls_f32.value  | 0.839999974   |
| target_EOTActuatorMng_Per1_HandWheelPos_HwDeg_f32.value   | 500.25  |
| target_EOTActuatorMng_Per1_HwTorque_HwNm_f32.value  | -1.20000005   |
| target_EOTActuatorMng_Per1_MotorVel_MtrRadpS_f32.value  | 0.69999988  |
| target_EOTActuatorMng_Per1_OutputRampMultLtd_Uls_f32.value  | 0.186000004   |
| target_EOTActuatorMng_Per1_VehicleSpeed_Kph_f32.value   | 18.0699997  |
| target_Rte_Inst_Ap_EOTActuatorMng.EOTActuatorMng_Per1_AssistEOTDamping_   |   |
| target_Rte_Inst_Ap_EOTActuatorMng.EOTActuatorMng_Per1_AssistEOTGain_Uls_  |   |
| $target\_Rte\_Inst\_Ap\_EOTActuatorMng\_EOTActuatorMng\_Per1\_AssistEOTLimit\_MtrNerserver (See EOTActuatorMng\_Per1\_AssistEOTLimit\_MtrNerserver ($ | target_EOTActuatorMng_PerT_AssistEOTLIMIt_MtrNm_f32 |



| Name   | Input Value  |   |            |
|--|--|---|------------|
| target_Rte_Inst_Ap_EOTActuatorMng.EOTActuatorMng_Per1_CcwEOT_HwDeg_f3  | target_EOTActuatorMng_Per1_CcwEOT_Hw   | Deg_f32   |            |
| target_Rte_Inst_Ap_EOTActuatorMng.EOTActuatorMng_Per1_CcwFound_Cnt_lgc   | target_EOTActuatorMng_Per1_CcwFound_C  | cnt_lgc   |            |
| target_Rte_Inst_Ap_EOTActuatorMng.EOTActuatorMng_Per1_CwEOT_HwDeg_f32  | target_EOTActuatorMng_Per1_CwEOT_HwD   | Deg_f32   |            |
| target_Rte_Inst_Ap_EOTActuatorMng.EOTActuatorMng_Per1_CwFound_Cnt_lgc  | target_EOTActuatorMng_Per1_CwFound_Cr  | nt_lgc  |            |
| target_Rte_Inst_Ap_EOTActuatorMng.EOTActuatorMng_Per1_EOTDisable_Cnt_lgc   | target_EOTActuatorMng_Per1_EOTDisable_   | Cnt_lgc   |            |
| $target\_Rte\_Inst\_Ap\_EOTActuatorMng.EOTActuatorMng\_Per1\_HandWheelAuth\_Uls$   | target_EOTActuatorMng_Per1_HandWheelA  | uth_Uls_f32   |            |
| target Rte Inst Ap EOTActuatorMng.EOTActuatorMng Per1 HandWheelPos Hwl   | target_EOTActuatorMng_Per1_HandWheelP  | os_HwDeg_f32  |            |
| $target\_Rte\_Inst\_Ap\_EOTActuatorMng.EOTActuatorMng\_Per1\_HwTorque\_HwNm\_f$  | target_EOTActuatorMng_Per1_HwTorque_H  | wNm_f32   |            |
| $target\_Rte\_Inst\_Ap\_EOTActuatorMng.EOTActuatorMng\_Per1\_MotorVel\_MtrRadpS\_Results (Application of the context o$   | target_EOTActuatorMng_Per1_MotorVel_Mtr  | RadpS_f32   |            |
| $target\_Rte\_Inst\_Ap\_EOTActuatorMng\_EOTActuatorMng\_Per1\_OutputRampMultLtd\_Inst\_Ap\_EOTActuatorMng\_Per1\_OutputRampMultLtd\_Inst\_Ap\_EOTActuatorMng\_Per1\_OutputRampMultLtd\_Inst\_Ap\_EOTActuatorMng\_Per1\_OutputRampMultLtd\_Inst\_Ap\_EOTActuatorMng\_Per1\_OutputRampMultLtd\_Inst\_Ap\_EOTActuatorMng\_Per1\_OutputRampMultLtd\_InstAp\_EOTActuatorMng\_Per1\_Outpu$ | RampMultLtd_ target_EOTActuatorMng_Per1_OutputRampMultLtd_Uls_f32                          |   |            |
|  |  |   |            |
| target_Rte_Inst_Ap_EOTActuatorMng.EOTActuatorMng_Per1_VehicleSpeed_Kph_  | target_EOTActuatorMng_Per1_VehicleSpeed  | d_Kph_f32   |            |
| target_Rte_Inst_Ap_EOTActuatorMng.EOTActuatorMng_Per1_VehicleSpeed_Kph_<br>Name  | target_EOTActuatorMng_Per1_VehicleSpeed  Actual Value                                      | d_Kph_f32  Expected Value   | Result     |
|  | <u> </u>   |   | Result     |
| Name   | Actual Value   | Expected Value  | Result     |
| Name EOTActuatorMng_Damping_MtrNm_M_f32  | Actual Value<br>3.13502002   | Expected Value<br>3.13502002 ± 0.0000390625   | Result     |
| Name EOTActuatorMng_Damping_MtrNm_M_f32 EOTActuatorMng_EOTImpactPos_HwDeg_M_f32  | <b>Actual Value</b><br>3.13502002<br>800   | Expected Value 3.13502002 ± 0.0000390625 800 ± 0.0000390625   | Result   ✓ |
| Name EOTActuatorMng_Damping_MtrNm_M_f32 EOTActuatorMng_EOTImpactPos_HwDeg_M_f32 EOTActuatorMng_FiltEOTGainSV_HwNm_M_u1p31  | Actual Value<br>3.13502002<br>800<br>1556316421  | Expected Value 3.13502002 ± 0.0000390625 800 ± 0.0000390625 1556316421 ± 1  | Result     |
| Name  EOTActuatorMng_Damping_MtrNm_M_f32  EOTActuatorMng_EOTImpactPos_HwDeg_M_f32  EOTActuatorMng_FiltEOTGainSV_HwNm_M_u1p31  EOTActuatorMng_FiltHWTrqSV_HwNm_M_s7p24  | Actual Value<br>3.13502002<br>800<br>1556316421<br>-52835099                               | Expected Value 3.13502002 ± 0.0000390625 800 ± 0.0000390625 1556316421 ± 1 -52835099 ± 1  | Result     |
| Name  EOTActuatorMng_Damping_MtrNm_M_f32  EOTActuatorMng_EOTImpactPos_HwDeg_M_f32  EOTActuatorMng_FiltEOTGainSV_HwNm_M_u1p31  EOTActuatorMng_FiltHWTrqSV_HwNm_M_s7p24  EOTActuatorMng_OutputRampMultLtd_M_f32  | Actual Value<br>3.13502002<br>800<br>1556316421<br>-52835099<br>0.186000004                | Expected Value 3.13502002 ± 0.0000390625 800 ± 0.0000390625 1556316421 ± 1 -52835099 ± 1 0.186000004 ± 0.00390625                                   | Result     |
| Name  EOTActuatorMng_Damping_MtrNm_M_f32  EOTActuatorMng_EOTImpactPos_HwDeg_M_f32  EOTActuatorMng_FiltEOTGainSV_HwNm_M_u1p31  EOTActuatorMng_FiltHWTrqSV_HwNm_M_s7p24  EOTActuatorMng_OutputRampMultLtd_M_f32  EOTActuatorMng_PrevEOTGain_Uls_M_f32  | Actual Value<br>3.13502002<br>800<br>1556316421<br>-52835099<br>0.186000004<br>0.724700928 | Expected Value 3.13502002 ± 0.0000390625 800 ± 0.0000390625 1556316421 ± 1 -52835099 ± 1 0.186000004 ± 0.00390625 0.724700928 ± 0.0625              | Result     |
| Name  EOTActuatorMng_Damping_MtrNm_M_f32  EOTActuatorMng_EOTImpactPos_HwDeg_M_f32  EOTActuatorMng_FiltEOTGainSV_HwNm_M_u1p31  EOTActuatorMng_FiltHWTrqSV_HwNm_M_s7p24  EOTActuatorMng_OutputRampMultLtd_M_f32  EOTActuatorMng_PrevEOTGain_Uls_M_f32  EOTActuatorMng_SESState_Uls_M_enum  | Actual Value 3.13502002 800 1556316421 -52835099 0.186000004 0.724700928 SES_DISABLED      | Expected Value 3.13502002 ± 0.0000390625 800 ± 0.0000390625 1556316421 ± 1 -52835099 ± 1 0.186000004 ± 0.00390625 0.724700928 ± 0.0625 SES_DISABLED | Result     |

| Actual Function                                    | Count | Expected Function                                  | Count | Result   |
|--|-------|--|-------|----------|
| Rte_Call_EOTActuatorMng_Per1_CP0_CheckpointReached | 1     | Rte_Call_EOTActuatorMng_Per1_CP0_CheckpointReached | 1     | ~        |
| EOTDetermination                                   | 1     | EOTDetermination                                   | 1     | ~        |
| EOTOrigImpact                                      | 1     | EOTOrigImpact                                      | 1     | ~        |
| IntplVarXY_u16_u16Xu16Y_Cnt                        | 1     | IntplVarXY_u16_u16Xu16Y_Cnt                        | 1     | ~        |
| SES_DetLmtPos                                      | 1     | SES_DetLmtPos                                      | 1     | ~        |
| SES_CalcExitGain                                   | 1     | SES_CalcExitGain                                   | 1     | ~        |
| IntplVarXY_u16_u16Xu16Y_Cnt                        | 1     | IntplVarXY_u16_u16Xu16Y_Cnt                        | 1     | ~        |
| SES_CalcEnterGain                                  | 1     | SES_CalcEnterGain                                  | 1     | ~        |
| BilinearXMYM_u16_u16XMu16YM_Cnt                    | 1     | BilinearXMYM_u16_u16XMu16YM_Cnt                    | 1     | ~        |
| SES_CalcEOTGain                                    | 1     | SES_CalcEOTGain                                    | 1     | ~        |
| SES_FiltEOTGain                                    | 1     | SES_FiltEOTGain                                    | 1     | ~        |
| SES_CalcEOTDamp                                    | 1     | SES_CalcEOTDamp                                    | 1     | <b>✓</b> |
| BilinearXMYM_u16_u16XMu16YM_Cnt                    | 1     | BilinearXMYM_u16_u16XMu16YM_Cnt                    | 1     | ~        |
| SES_StateCtrl                                      | 1     | SES_StateCtrl                                      | 1     | <b>✓</b> |
| Rte Call EOTActuatorMng Per1 CP1 CheckpointReached | 1     | Rte Call EOTActuatorMng Per1 CP1 CheckpointReached | 1     | -        |

| Test Step 2.8 (Repeat Count = 1)          | <b>✓</b>                          |
|---|-----------------------------------|
| Name                                      | Input Value                       |
| EOTActuatorMng_Damping_MtrNm_M_f32        | 5.19999981                        |
| EOTActuatorMng_EOTImpactPos_HwDeg_M_f32   | 999.140015                        |
| EOTActuatorMng_FiltEOTGainSV_HwNm_M_u1p31 | 1352914698                        |
| EOTActuatorMng_FiltHWTrqSV_HwNm_M_s7p24   | 37245420                          |
| EOTActuatorMng_PrevEOTGain_Uls_M_f32      | 0.639999986                       |
| EOTActuatorMng_SESState_Uls_M_enum        | SES_NORMAL                        |
| Rte_Inst_Ap_EOTActuatorMng                | target_Rte_Inst_Ap_EOTActuatorMng |
| k_EOTActiveRegionBypassMaxThresh_Uls_f32  | 0.734000027                       |
| k_EOTDefltPosition_HwDeg_u12p4            | 1776                              |
| k_EOTDeltaTrqThrsh_HwNm_u9p7              | 256                               |
| k_EOTDynConf_Uls_u8p8                     | 20480                             |
| k_EOTEnterLPFKn_Cnt_u16                   | 400                               |
| k_EOTExitLPFKn_Cnt_u16                    | 888                               |
| k_EOTImpSpdEn_Kph_u9p7                    | 6272                              |
| k_EOTOriginalImpactandSoftEnd_Cnt_lgc     | 1                                 |
| k_EOTPosDepDempFinalSlew_MtrNmpS_T_f32    | 36.5400009                        |
| k_EOTStateHwTrqLPFKn_Cnt_u16              | 4444                              |
| k_MaxRackTrvl_HwDeg_u12p4                 | 14208                             |
| k_MinRackTrvl_HwDeg_u12p4                 | 6160                              |
| k_PosRampStep_HwDeg_u12p4                 | 7456                              |
| k_SoftStopEOTEnable_Cnt_lgc               | 1                                 |
| k_SpdlptScale_MtrNmpRadpS_u4p12           | 83                                |
| t2_EOTEnterGainX_HwDeg_u12p4[0][0]        | 1440                              |
| t2_EOTEnterGainX_HwDeg_u12p4[0][1]        | 1632                              |
| t2_EOTEnterGainX_HwDeg_u12p4[0][2]        | 1776                              |
| t2_EOTEnterGainX_HwDeg_u12p4[0][3]        | 2400                              |
| t2_EOTEnterGainX_HwDeg_u12p4[1][0]        | 592                               |

2015-06-29, 18:31:27+0530



| Name  | Input Value  |  |
|---|--------------|--|
| t2_EOTEnterGainX_HwDeg_u12p4[1][1]  | 1760         |  |
| t2_EOTEnterGainX_HwDeg_u12p4[1][2]  | 1776         |  |
| t2_EOTEnterGainX_HwDeg_u12p4[1][3]  | 1792         |  |
| t2_EOTEnterGainX_HwDeg_u12p4[2][0]  | 1232         |  |
| t2_EOTEnterGainX_HwDeg_u12p4[2][1]  | 3680<br>3696 |  |
| t2_EOTEnterGainX_HwDeg_u12p4[2][2]<br>t2_EOTEnterGainX_HwDeg_u12p4[2][3]                              | 3712         |  |
| t2_EOTEInterGainX_11WDeg_u12p4[3][0]  | 1872         |  |
| t2_EOTEnterGainX_1WDeg_u12p4[3][1]  | 5600         |  |
| t2_EOTEnterGainX_HwDeg_u12p4[3][2]  | 5616         |  |
| t2_EOTEnterGainX_HwDeg_u12p4[3][3]  | 5632         |  |
| 12_EOTEnterGainY_Uls_u1p15[0][0]  | 6            |  |
| t2_EOTEnterGainY_Uls_u1p15[0][1]  | 69           |  |
| 2_EOTEnterGainY_Uls_u1p15[0][2]   | 7            |  |
| 2_EOTEnterGainY_Uls_u1p15[0][3]   | 668          |  |
| 2_EOTEnterGainY_Uls_u1p15[1][0]   | 7            |  |
| 2_EOTEnterGainY_Uls_u1p15[1][1]   | 8            |  |
| 2_EOTEnterGainY_Uls_u1p15[1][2]   | 98           |  |
| 2_EOTEnterGainY_Uls_u1p15[1][3]   | 954          |  |
| 2_EOTEnterGainY_Uls_u1p15[2][0]   | 7            |  |
| 2_EOTEnterGainY_Uls_u1p15[2][1]   | 8            |  |
| 2_EOTEnterGainY_Uls_u1p15[2][2]   | 88           |  |
| 2_EOTEnterGainY_Uls_u1p15[2][3]   | 859          |  |
| 2_EOTEnterGainY_Uls_u1p15[3][0]   | 9            |  |
| 2_EOTEnterGainY_Uls_u1p15[3][1]   | 10           |  |
| 2_EOTEnterGainY_Uls_u1p15[3][2]   | 147          |  |
| 2_EOTENBERGAINY_UIs_u1p15[3][3]   | 1429<br>107  |  |
| 2_EOTExPosDepDmpTblY_MtrNmpRadps_u0p16[0][0]  | 151          |  |
| :2_EOTExPosDepDmpTblY_MtrNmpRadps_u0p16[0][1]<br>:2_EOTExPosDepDmpTblY_MtrNmpRadps_u0p16[1][0]        | 183          |  |
| 2_EOTEXPOSDEPDITIFISH _with hip tadps_dop to[1][0] 2_EOTEXPOSDEPDITIFISH _with hip tadps_dop to[1][0] | 259          |  |
| 2_EOTEXR 03DepDmpTblY_MtrNmpRadps_u0p16[1][1]   | 183          |  |
| 2_EOTEXPOSDepDmpTblY_MtrNmpRadps_u0p16[2][1]  | 259          |  |
| 2_EOTExPosDepDmpTblY_MtrNmpRadps_u0p16[3][0]  | 137          |  |
| t2_EOTExPosDepDmpTblY_MtrNmpRadps_u0p16[3][1]   | 194          |  |
| 12_EOTPosDepDmpTblX_HwDeg_u12p4[0][0]   | 672          |  |
| t2_EOTPosDepDmpTblX_HwDeg_u12p4[0][1]   | 1232         |  |
| 12_EOTPosDepDmpTblX_HwDeg_u12p4[1][0]   | 752          |  |
| 2_EOTPosDepDmpTblX_HwDeg_u12p4[1][1]  | 1136         |  |
| t2_EOTPosDepDmpTblX_HwDeg_u12p4[2][0]   | 864          |  |
| t2_EOTPosDepDmpTblX_HwDeg_u12p4[2][1]   | 4128         |  |
| t2_EOTPosDepDmpTblX_HwDeg_u12p4[3][0]   | 512          |  |
| t2_EOTPosDepDmpTblX_HwDeg_u12p4[3][1]   | 656          |  |
| 2_EOTPosDepDmpTblY_MtrNmpRadpS_u0p16[0][0]  | 107          |  |
| 2_EOTPosDepDmpTblY_MtrNmpRadpS_u0p16[0][1]  | 151          |  |
| 2_EOTPosDepDmpTblY_MtrNmpRadpS_u0p16[1][0]  | 243          |  |
| 2_EOTPosDepDmpTblY_MtrNmpRadpS_u0p16[1][1]  | 345          |  |
| 2_EOTPosDepDmpTblY_MtrNmpRadpS_u0p16[2][0]  | 168          |  |
| 2_EOTPosDepDmpTblY_MtrNmpRadpS_u0p16[2][1]  | 237          |  |
| 2_EOTPosDepDmpTblY_MtrNmpRadpS_u0p16[3][0]  | 77           |  |
| 2_EOTPosDepDmpTblY_MtrNmpRadpS_u0p16[3][1]  | 110<br>4736  |  |
| _EOTDmpVspd_Kph_u9p7[0]<br>_EOTDmpVspd_Kph_u9p7[1]  | 14080        |  |
| _EOTDmpVspd_Kph_u9p7[1]<br>_EOTDmpVspd_Kph_u9p7[2]  | 14208        |  |
| _EOTDmpVspd_Kph_u9p7[2]<br>_EOTDmpVspd_Kph_u9p7[3]  | 14336        |  |
| EOTEnterGainVspd Kph u9p7[0]  | 4736         |  |
| _EOTEnterGainVspd_Kph_u9p7[1]   | 14080        |  |
| _EOTEnterGainVspd_Kph_u9p7[2]   | 14208        |  |
| _EOTEnterGainVspd_Kph_u9p7[3]   | 14336        |  |
|   | 112          |  |
| _SpdlptTblXTbl_HwDeg_u12p4[1]   | 336          |  |
| _SpdlptTblYTbl_MtrRadpS_u12p4[0]  | 512          |  |
| SpdIptTbIYTbl_MtrRadpS_u12p4[1]   | 656          |  |
| _TrqTableX_HwNm_u8p8[0]   | 0            |  |
| _TrqTableX_HwNm_u8p8[1]   | 512          |  |
| _TrqTblY_Uls_u2p14[0]   | 49           |  |
| _TrqTblY_Uls_u2p14[1]   | 131          |  |
| arget_EOTActuatorMng_Per1_CcwEOT_HwDeg_f32.value  | -444.160004  |  |
| arget_EOTActuatorMng_Per1_CcwFound_Cnt_lgc.value  | 0            |  |
| arget_EOTActuatorMng_Per1_CwEOT_HwDeg_f32.value   | 1000.20001   |  |
| target_EOTActuatorMng_Per1_CwFound_Cnt_lgc.value  | 1            |  |
| target_EOTActuatorMng_Per1_EOTDisable_Cnt_lgc.value   | 1            |  |
| target_EOTActuatorMng_Per1_HandWheelAuth_Uls_f32.value  | 0.87999995   |  |

 $target\_EOTActuatorMng\_Per1\_AssistEOTGain\_Uls\_f32.value$ 

 $target\_EOTActuatorMng\_Per1\_AssistEOTLimit\_MtrNm\_f32.value$ 

2015-06-29, 18:31:27+0530



0.62612915 ± 0.0000390625

8.80000019 ± 0.00048828125

EOTActuatorMng\_Per1

| Name   | Input Value                                      |                            |          |  |
|--|--|----------------------------|----------|--|
| target_EOTActuatorMng_Per1_HandWheelPos_HwDeg_f32.value  | -400.350006                                      |                            |          |  |
| target_EOTActuatorMng_Per1_HwTorque_HwNm_f32.value   | 2.2999995  |                            |          |  |
| target_EOTActuatorMng_Per1_MotorVel_MtrRadpS_f32.value   | -0.800000012                                     |                            |          |  |
| target_EOTActuatorMng_Per1_OutputRampMultLtd_Uls_f32.value   | 0.829999983                                      |                            |          |  |
| target_EOTActuatorMng_Per1_VehicleSpeed_Kph_f32.value  | 19.0499992                                       |                            |          |  |
| $target\_Rte\_Inst\_Ap\_EOTActuatorMng.EOTActuatorMng\_Per1\_AssistEOTDamping\_Per1\_AssisTEOTDamping\_Per1\_AssisTEOTD$ | target_EOTActuatorMng_Per1_AssistEOTDa           | mping_MtrNm_f32            |          |  |
| target Rte Inst Ap EOTActuatorMng.EOTActuatorMng Per1 AssistEOTGain Uls  | target_EOTActuatorMng_Per1_AssistEOTGa           | in_Uls_f32                 |          |  |
| $target\_Rte\_Inst\_Ap\_EOTActuatorMng.EOTActuatorMng\_Per1\_AssistEOTLimit\_Mtr1$   | target_EOTActuatorMng_Per1_AssistEOTLin          | nit_MtrNm_f32              |          |  |
| $target\_Rte\_Inst\_Ap\_EOTActuatorMng.EOTActuatorMng\_Per1\_CcwEOT\_HwDeg\_f3$  | target_EOTActuatorMng_Per1_CcwEOT_Hw             | Deg_f32                    |          |  |
| $target\_Rte\_Inst\_Ap\_EOTActuatorMng.EOTActuatorMng\_Per1\_CcwFound\_Cnt\_lgc$   | target_EOTActuatorMng_Per1_CcwFound_C            | :nt_lgc                    |          |  |
| target_Rte_Inst_Ap_EOTActuatorMng.EOTActuatorMng_Per1_CwEOT_HwDeg_f32  | target_EOTActuatorMng_Per1_CwEOT_HwD             | Deg_f32                    |          |  |
| target_Rte_Inst_Ap_EOTActuatorMng.EOTActuatorMng_Per1_CwFound_Cnt_lgc  | target_EOTActuatorMng_Per1_CwFound_Cr            | nt_lgc                     |          |  |
| $target\_Rte\_Inst\_Ap\_EOTActuatorMng.EOTActuatorMng\_Per1\_EOTDisable\_Cnt\_lgcapers and the property of the proper$   | target_EOTActuatorMng_Per1_EOTDisable_Cnt_lgc    |                            |          |  |
| $target\_Rte\_Inst\_Ap\_EOTActuatorMng.EOTActuatorMng\_Per1\_HandWheelAuth\_Uls$   | target_EOTActuatorMng_Per1_HandWheelAuth_Uls_f32 |                            |          |  |
| $target\_Rte\_Inst\_Ap\_EOTActuatorMng.EOTActuatorMng\_Per1\_HandWheelPos\_Hwl$  | target_EOTActuatorMng_Per1_HandWheelP            | os_HwDeg_f32               |          |  |
| target Rte Inst Ap EOTActuatorMng.EOTActuatorMng Per1 HwTorque HwNm f  | target_EOTActuatorMng_Per1_HwTorque_H            | wNm_f32                    |          |  |
| $target\_Rte\_Inst\_Ap\_EOTActuatorMng.EOTActuatorMng\_Per1\_MotorVel\_MtrRadpS$   | target_EOTActuatorMng_Per1_MotorVel_Mtr          | RadpS_f32                  |          |  |
| $target\_Rte\_Inst\_Ap\_EOTActuatorMng.EOTActuatorMng\_Per1\_OutputRampMultLtd\_Inst\_Ap\_EOTActuatorMng.EOTActuatorMng\_Per1\_OutputRampMultLtd\_Inst\_Ap\_EOTActuatorMng.EOTActuatorMng\_Per1\_OutputRampMultLtd\_Inst\_Ap\_EOTActuatorMng.EOTActuatorMng\_Per1\_OutputRampMultLtd\_Inst\_Ap\_EOTActuatorMng.EOTActuatorMng\_Per1\_OutputRampMultLtd\_Inst\_Ap\_EOTActuatorMng.EOTActuatorMng\_Per1\_OutputRampMultLtd\_Inst\_Ap\_EOTActuatorMng.EOTActuatorMng\_Per1\_OutputRampMultLtd\_Inst\_Ap\_EOTActuatorMng.EOTActuatorMng\_Per1\_OutputRampMultLtd\_Inst\_Ap\_EOTActuatorMng.EOTActu$   | 32 2 1 1 2 2                                     |                            |          |  |
| $target\_Rte\_Inst\_Ap\_EOTActuatorMng.EOTActuatorMng\_Per1\_VehicleSpeed\_Kph\_restriction and the property of the p$   | target_EOTActuatorMng_Per1_VehicleSpeed_Kph_f32  |                            |          |  |
| Name   | Actual Value                                     | Expected Value             | Result   |  |
| EOTActuatorMng_Damping_MtrNm_M_f32   | 5.12691975                                       | 5.12692022 ± 0.0000390625  | ~        |  |
| EOTActuatorMng_EOTImpactPos_HwDeg_M_f32  | 999.140015                                       | 999.140015 ± 0.0000390625  | ~        |  |
| EOTActuatorMng_FiltEOTGainSV_HwNm_M_u1p31  | 1344659898                                       | 1344659898 ± 1             | ~        |  |
| EOTActuatorMng_FiltHWTrqSV_HwNm_M_s7p24  | 32108156   | 32108156 ± 1               | <b>~</b> |  |
| EOTActuatorMng_OutputRampMultLtd_M_f32   | 0.82999983                                       | 0.829999983 ± 0.00390625   | ~        |  |
| EOTActuatorMng_PrevEOTGain_Uls_M_f32   | 0.62612915                                       | 0.62612915 ± 0.0625        | ~        |  |
| EOTActuatorMng_SESState_Uls_M_enum   | SES_DISABLED                                     | SES_DISABLED               | ~        |  |
| target_EOTActuatorMng_Per1_AssistEOTDamping_MtrNm_f32.value  | 5.12691975                                       | 5.12692022 ± 0.00048828125 | <b>~</b> |  |

| T  |       |  |       | <b>✓</b> |
|--|-------|--|-------|----------|
| Actual Function                                    | Count | Expected Function                                  | Count | Result   |
| Rte_Call_EOTActuatorMng_Per1_CP0_CheckpointReached | 1     | Rte_Call_EOTActuatorMng_Per1_CP0_CheckpointReached | 1     | ~        |
| EOTDetermination                                   | 1     | EOTDetermination                                   | 1     | •        |
| SES_DetLmtPos                                      | 1     | SES_DetLmtPos                                      | 1     | ~        |
| SES_CalcExitGain                                   | 1     | SES_CalcExitGain                                   | 1     | •        |
| IntplVarXY_u16_u16Xu16Y_Cnt                        | 1     | IntplVarXY_u16_u16Xu16Y_Cnt                        | 1     | ~        |
| SES_CalcEnterGain                                  | 1     | SES_CalcEnterGain                                  | 1     | •        |
| BilinearXMYM_u16_u16XMu16YM_Cnt                    | 1     | BilinearXMYM_u16_u16XMu16YM_Cnt                    | 1     | •        |
| SES_CalcEOTGain                                    | 1     | SES_CalcEOTGain                                    | 1     | •        |
| SES_FiltEOTGain                                    | 1     | SES_FiltEOTGain                                    | 1     | ~        |
| SES_CalcEOTDamp                                    | 1     | SES_CalcEOTDamp                                    | 1     | •        |
| BilinearXMYM_u16_u16XMu16YM_Cnt                    | 1     | BilinearXMYM_u16_u16XMu16YM_Cnt                    | 1     | ~        |
| SES_StateCtrl                                      | 1     | SES_StateCtrl                                      | 1     | ~        |
| Rte_Call_EOTActuatorMng_Per1_CP1_CheckpointReached | 1     | Rte_Call_EOTActuatorMng_Per1_CP1_CheckpointReached | 1     | ~        |

0.62612915

8.80000019

| Test Step 2.9 (Repeat Count = 1)          | van de la companya d |
|---|--|
| Name                                      | Input Value  |
| EOTActuatorMng_Damping_MtrNm_M_f32        | 7.19999981   |
| EOTActuatorMng_EOTImpactPos_HwDeg_M_f32   | 666.97998  |
| EOTActuatorMng_FiltEOTGainSV_HwNm_M_u1p31 | 493921239  |
| EOTActuatorMng_FiltHWTrqSV_HwNm_M_s7p24   | 159383552  |
| EOTActuatorMng_PrevEOTGain_Uls_M_f32      | 0.75   |
| EOTActuatorMng_SESState_Uls_M_enum        | SES_ENTERING   |
| Rte_Inst_Ap_EOTActuatorMng                | target_Rte_Inst_Ap_EOTActuatorMng  |
| k_EOTActiveRegionBypassMaxThresh_Uls_f32  | 0.0939999968   |
| k_EOTDefltPosition_HwDeg_u12p4            | 3552   |
| k_EOTDeltaTrqThrsh_HwNm_u9p7              | 128  |
| k_EOTDynConf_Uls_u8p8                     | 0  |
| k_EOTEnterLPFKn_Cnt_u16                   | 300  |
| k_EOTExitLPFKn_Cnt_u16                    | 1234   |
| k_EOTImpSpdEn_Kph_u9p7                    | 6400   |
| k_EOTOriginalImpactandSoftEnd_Cnt_lgc     | 0  |
| k_EOTPosDepDempFinalSlew_MtrNmpS_T_f32    | 40.5900002   |
| k_EOTStateHwTrqLPFKn_Cnt_u16              | 3333   |
| k_MaxRackTrvl_HwDeg_u12p4                 | 15984  |
| k_MinRackTrvl_HwDeg_u12p4                 | 13680  |
| k_PosRampStep_HwDeg_u12p4                 | 10976  |
| k_SoftStopEOTEnable_Cnt_lgc               | 1  |

2015-06-29, 18:31:27+0530



| EOTACIDAIONING_Pert   |             |
|---|-------------|
| Name  | Input Value |
| _SpdIptScale_MtrNmpRadpS_u4p12  | 83          |
| 2_EOTEnterGainX_HwDeg_u12p4[0][0]   | 0           |
| 2_EOTEnterGainX_HwDeg_u12p4[0][1]   | 64          |
| 2_EOTEnterGainX_HwDeg_u12p4[0][2]   | 160         |
| 2_EOTEnterGainX_HwDeg_u12p4[0][3]   | 368         |
| 2_EOTEnterGainX_HwDeg_u12p4[1][0]   | 608         |
| 2_EOTEnterGainX_HwDeg_u12p4[1][1]   | 1808        |
| 2_EOTEnterGainX_HwDeg_u12p4[1][2]   | 1824        |
| 2_EOTEnterGainX_HwDeg_u12p4[1][3]   | 1840        |
| 2_EOTEnterGainX_HwDeg_u12p4[2][0]   | 1248        |
| 2_EOTEnterGainX_HwDeg_u12p4[2][1]   | 3728        |
| 2_EOTEnterGainX_HwDeg_u12p4[2][2]   | 3744        |
| 2_EOTEnterGainX_HwDeg_u12p4[2][3]   | 3760        |
| 2_EOTEnterGainX_HwDeg_u12p4[3][0]   | 1888        |
| 2_EOTEnterGainX_HwDeg_u12p4[3][1]   | 5648        |
| 2_EOTEnterGainX_HwDeg_u12p4[3][2]   | 5664        |
| 2_EOTEnterGainX_HwDeg_u12p4[3][3]   | 5680        |
| 2_EOTEnterGainY_Uls_u1p15[0][0]   | 7           |
| 2 EOTEnterGainY Uls u1p15[0][1]   | 7           |
|   | 78          |
| 2_EOTEnterGainY_Uls_u1p15[0][2]   |             |
| 2_EOTEnterGainY_Uls_u1p15[0][3]   | 763         |
| 2_EOTEnterGainY_Uls_u1p15[1][0]   | 8           |
| 2_EOTEnterGainY_Uls_u1p15[1][1]   | 8           |
| 2_EOTEnterGainY_Uls_u1p15[1][2]   | 108         |
| 2_EOTEnterGainY_Uls_u1p15[1][3]   | 1049        |
| 2_EOTEnterGainY_Uls_u1p15[2][0]   | 7           |
| 2_EOTEnterGainY_Uls_u1p15[2][1]   | 8           |
| 2_EOTEnterGainY_Uls_u1p15[2][2]   | 98          |
| 2_EOTEnterGainY_Uls_u1p15[2][3]   | 954         |
| 2_EOTEnterGainY_Uls_u1p15[3][0]   | 9           |
| 2_EOTEnterGainY_Uls_u1p15[3][1]   | 10          |
| 2_EOTEnterGainY_Uls_u1p15[3][2]   | 157         |
| 2_EOTEnterGainY_Uls_u1p15[3][3]   | 1524        |
| 2_EOTExPosDepDmpTblY_MtrNmpRadps_u0p16[0][0]  | 122         |
| 2_EOTExPosDepDmpTblY_MtrNmpRadps_u0p16[0][1]  | 173         |
| 2_EOTExPosDepDmpTblY_MtrNmpRadps_u0p16[1][0]  | 198         |
| 2_EOTExPosDepDmpTblY_MtrNmpRadps_u0p16[1][1]  | 280         |
| 2_EOTExPosDepDmpTblY_MtrNmpRadps_u0p16[2][0]  | 198         |
| 2_EOTExPosDepDmpTblY_MtrNmpRadps_u0p16[2][1]  | 280         |
| 2_EOTExPosDepDmpTblY_MtrNmpRadps_u0p16[3][0]  | 153         |
| 2_EOTEXPosDepDmpTblY_MtrNmpRadps_u0p16[3][1]  | 216         |
| 2_COTEXF0SDepDinpTbHT_MidNinpRadps_dopTo[5][1] 2 EOTPosDepDmpTbIX HwDeg_u12p4[0][0] | 704         |
|   | 1248        |
| 2_EOTPosDepDmpTblX_HwDeg_u12p4[0][1]  | 768         |
| 2_EOTPosDepDmpTblX_HwDeg_u12p4[1][0]  |             |
| 2_EOTPosDepDmpTblX_HwDeg_u12p4[1][1]  | 1152        |
| 2_EOTPosDepDmpTblX_HwDeg_u12p4[2][0]  | 896         |
| 2_EOTPosDepDmpTblX_HwDeg_u12p4[2][1]  | 4144        |
| 2_EOTPosDepDmpTblX_HwDeg_u12p4[3][0]  | 528         |
| 2_EOTPosDepDmpTbIX_HwDeg_u12p4[3][1]  | 672         |
| 2_EOTPosDepDmpTblY_MtrNmpRadpS_u0p16[0][0]  | 17          |
| 2_EOTPosDepDmpTblY_MtrNmpRadpS_u0p16[0][1]  | 122         |
| 2_EOTPosDepDmpTblY_MtrNmpRadpS_u0p16[1][0]  | 259         |
| 2_EOTPosDepDmpTblY_MtrNmpRadpS_u0p16[1][1]  | 366         |
| 2_EOTPosDepDmpTblY_MtrNmpRadpS_u0p16[2][0]  | 183         |
| 2_EOTPosDepDmpTblY_MtrNmpRadpS_u0p16[2][1]  | 259         |
| 2_EOTPosDepDmpTblY_MtrNmpRadpS_u0p16[3][0]  | 112         |
| 2_EOTPosDepDmpTblY_MtrNmpRadpS_u0p16[3][1]  | 788         |
| EOTDmpVspd_Kph_u9p7[0]  | 4864        |
| EOTDmpVspd_Kph_u9p7[1]  | 14464       |
| _EOTDmpVspd_Kph_u9p7[1]   | 14592       |
|   | 14720       |
| EOTDmpVspd_Kph_u9p7[3]  |             |
| _EOTEnterGainVspd_Kph_u9p7[0]   | 4864        |
| EOTEnterGainVspd_Kph_u9p7[1]  | 14464       |
| _EOTEnterGainVspd_Kph_u9p7[2]   | 14592       |
| _EOTEnterGainVspd_Kph_u9p7[3]   | 14720       |
| _SpdIptTbIXTbl_HwDeg_u12p4[0]   | 96          |
| _SpdIptTbIXTbI_HwDeg_u12p4[1]   | 352         |
| _SpdIptTbIYTbI_MtrRadpS_u12p4[0]  | 528         |
| _SpdlptTblYTbl_MtrRadpS_u12p4[1]  | 672         |
| _ TrqTableX_HwNm_u8p8[0]  | 256         |
| TrqTableX_HwNm_u8p8[1]  | 1792        |
| _TrqTblY_Uls_u2p14[0]   | 66          |
|   |             |

EOTActuatorMng\_PrevEOTGain\_Uls\_M\_f32

target\_EOTActuatorMng\_Per1\_AssistEOTDamping\_MtrNm\_f32.value

 $target\_EOTActuatorMng\_Per1\_AssistEOTGain\_Uls\_f32.value$ 

 $target\_EOTActuatorMng\_Per1\_AssistEOTLimit\_MtrNm\_f32.value$ 

EOTActuatorMng\_SESState\_Uls\_M\_enum

2015-06-29, 18:31:27+0530



EOTActuatorMng\_Per1

| Name  | Input Value                             |                           |        |
|---|---|---------------------------|--------|
| target_EOTActuatorMng_Per1_CcwEOT_HwDeg_f32.value   | -1440.10999                             |                           |        |
| target_EOTActuatorMng_Per1_CcwFound_Cnt_lgc.value   | 1                                       |                           |        |
| target_EOTActuatorMng_Per1_CwEOT_HwDeg_f32.value  | 100.054001                              |                           |        |
| target_EOTActuatorMng_Per1_CwFound_Cnt_lgc.value  | 1                                       |                           |        |
| target_EOTActuatorMng_Per1_EOTDisable_Cnt_lgc.value   | 0                                       |                           |        |
| target_EOTActuatorMng_Per1_HandWheelAuth_Uls_f32.value  | 0.550000012                             |                           |        |
| target_EOTActuatorMng_Per1_HandWheelPos_HwDeg_f32.value   | -400.450012                             |                           |        |
| target_EOTActuatorMng_Per1_HwTorque_HwNm_f32.value  | -3.4000001                              |                           |        |
| target_EOTActuatorMng_Per1_MotorVel_MtrRadpS_f32.value  | 0.109999999                             |                           |        |
| target_EOTActuatorMng_Per1_OutputRampMultLtd_Uls_f32.value  | 0.644999981                             |                           |        |
| target_EOTActuatorMng_Per1_VehicleSpeed_Kph_f32.value   | 1.11000001                              |                           |        |
| $target\_Rte\_Inst\_Ap\_EOTActuatorMng\_EOTActuatorMng\_Per1\_AssistEOTDamping\_Inst_Ap\_EOTActuatorMng\_Per1\_AssistEOTDamping\_Inst_Ap\_EOTActuatorMng\_Inst_Ap\_EOTActuator$   | target_EOTActuatorMng_Per1_AssistEOTDa  | amping_MtrNm_f32          |        |
| $target\_Rte\_Inst\_Ap\_EOTActuatorMng.EOTActuatorMng\_Per1\_AssistEOTGain\_Uls\_Inst\_Ap\_EOTActuatorMng\_Per1\_AssistEOTGain\_Uls\_Inst\_Ap\_EOTActuatorMng\_Per1\_AssistEOTGain\_Uls\_Inst\_Ap\_EOTActuatorMng\_Per1\_AssistEOTGain\_Uls\_Inst\_Ap\_EOTActuatorMng\_Per1\_AssistEOTGain\_Uls\_Inst\_Ap\_EOTActuatorMng\_Per1\_AssistEOTGain\_Uls\_Inst\_Ap\_EOTActuatorMng\_Per1\_AssistEOTGain\_Uls\_Inst\_Ap\_EOTActuatorMng\_Per1\_AssistEOTGain\_Uls\_Inst\_Ap\_EOTActuatorMng\_Per1\_AssistEOTGain\_Uls\_Inst\_Ap\_EOTActuatorMng\_Per1\_AssistEOTGain\_Uls\_InstAp\_EOTActuatorMng\_Per1\_AssistEOTGain\_Uls\_InstAp\_EOTActuatorMng\_Per1\_AssistEOTGain\_Uls\_InstAp\_EOTActuatorMng\_Per1\_AssistEOTGain\_Uls\_InstAp\_EOTActuatorMng\_Per1\_AssistEOTGain\_Uls\_InstAp\_EOTActuatorMng\_Per1\_AssistEOTGain\_Uls\_InstAp\_EOTActuatorMng\_Per1\_AssistEOTGain\_Uls\_InstAp\_EOTActuatorMng\_Per1\_AssistEOTGain\_Uls\_InstAp\_EOTActuatorMng\_Per1\_AssistEOTActuatorMng\_Per1\_AssistEOTActuatorMng\_Per1\_AssistEOTActuatorMng\_Per1\_AssistEOTActuatorMng\_Per1\_AssistEOTActuatorMng\_Per1\_AssistEOTActuatorMng\_Per1\_AssistEOTActuatorMng\_Per1\_AssistEOTActuatorMng\_Per1\_AssistEOTActuatorMng\_Per1\_AssistEOTActuatorMng\_Per1\_AssistEOTActuatorMng\_Per1\_AssistEOTActuatorMng\_Per1\_AssistEOTActuatorMng\_Per1\_AssistEOTActuatorMng\_Per1\_AssistEOTActuatorMng\_AssistEOTAct$  | target_EOTActuatorMng_Per1_AssistEOTGa  | ain_Uls_f32               |        |
| $target\_Rte\_Inst\_Ap\_EOTActuatorMng.EOTActuatorMng\_Per1\_AssistEOTLimit\_Mtr?$  | target_EOTActuatorMng_Per1_AssistEOTLir | mit_MtrNm_f32             |        |
| target_Rte_Inst_Ap_EOTActuatorMng.EOTActuatorMng_Per1_CcwEOT_HwDeg_f3   | target_EOTActuatorMng_Per1_CcwEOT_Hv    | /Deg_f32                  |        |
| $target\_Rte\_Inst\_Ap\_EOTActuatorMng\_EOTActuatorMng\_Per1\_CcwFound\_Cnt\_lgc$   | target_EOTActuatorMng_Per1_CcwFound_0   | Cnt_lgc                   |        |
| target_Rte_Inst_Ap_EOTActuatorMng.EOTActuatorMng_Per1_CwEOT_HwDeg_f32   | target_EOTActuatorMng_Per1_CwEOT_Hwl    | Deg_f32                   |        |
| target_Rte_Inst_Ap_EOTActuatorMng.EOTActuatorMng_Per1_CwFound_Cnt_Igc   | target_EOTActuatorMng_Per1_CwFound_Ci   | nt_lgc                    |        |
| $target\_Rte\_Inst\_Ap\_EOTActuatorMng.EOTActuatorMng\_Per1\_EOTDisable\_Cnt\_lgcolor=0.00000000000000000000000000000000000$  | target_EOTActuatorMng_Per1_EOTDisable_  | _Cnt_lgc                  |        |
| $target\_Rte\_Inst\_Ap\_EOTActuatorMng\_EOTActuatorMng\_Per1\_HandWheelAuth\_Ulstarget\_Rte\_Inst\_Ap\_EOTActuatorMng\_Per1\_HandWheelAuth\_Ulstarget\_Rte\_Inst\_Ap\_EOTActuatorMng\_Per1\_HandWheelAuth\_Ulstarget\_Rte\_Inst\_Ap\_EOTActuatorMng\_Per1\_HandWheelAuth\_Ulstarget\_Rte\_Inst\_Ap\_EOTActuatorMng\_Per1\_HandWheelAuth\_Ulstarget\_Rte\_Inst\_Ap\_EOTActuatorMng\_Per1\_HandWheelAuth\_Ulstarget\_Rte\_Inst\_Ap\_EOTActuatorMng\_Per1\_HandWheelAuth\_Ulstarget\_Rte\_Inst\_Ap\_EOTActuatorMng\_Per1\_HandWheelAuth\_Ulstarget\_Rte\_Inst\_Ap\_EOTActuatorMng\_Per1\_HandWheelAuth\_Ulstarget\_Rte\_InstAp\_EOTActuatorMng\_Per1\_HandWheelAuth\_Ulstarget\_Rte\_InstAp\_EOTActuatorMng\_Per1\_HandWheelAuth\_Ulstarget\_Rte\_InstAp\_EOTActuatorMng\_Per1\_HandWheelAuth\_Ulstarget\_Rte\_InstAp\_EOTActuatorMng\_Per1\_HandWheelAuth\_Ulstarget\_Rte\_InstAp\_EOTActuatorMng\_Per1\_HandWheelAuth\_Rte\_InstAp\_EOTActuatorMng\_Per1\_HandWheelAuth\_Rte\_InstAp\_EOTActuatorMng\_Per1\_HandWheelAuth\_Rte\_InstAp\_EOTActuatorMng\_Per1\_HandWheelAuth\_Rte\_InstAp\_EOTActuatorMng\_Per1\_HandWheelAuth\_Rte\_InstAp\_EOTActuatorMng\_Per1\_HandWheelAuth\_Rte\_InstAp\_EOTActuatorMng\_Per1\_HandWheelAuth\_Rte\_InstAp\_EOTActuatorMng\_Per1\_HandWheelAuth\_Rte\_InstAp\_EOTActuatorMng\_Per1\_HandWheelAuth\_Rte\_InstAp\_EOTActuatorMng\_Per1\_HandWheelAuth_Rte\_InstAp\_EOTActuatorMng\_Per1\_HandWheelAuth_Rte\_InstAp\_EOTActuatorMng\_Per1\_HandWheelAuth_Rte\_InstAp\_EOTActuatorMng\_Per1\_HandWheelAuth_Rte\_InstAp\_EOTActuatorMng\_Per1\_HandWheelAuth_Rte\_InstAp\_EOTActuatorMng\_Per1\_HandWheelAuth_Rte\_InstAp\_EOTActuatorMng\_Per1\_HandWheelAuth_Rte\_InstAp\_EOTActuatorMng\_Per1\_HandWheelAuth_Rte\_InstAp\_EOTActuatorMng\_Per1\_HandWheelAuth_Rte\_InstAp\_EOTActuatorMng\_Per1\_HandWheelAuth_Rte\_InstAp\_EOTActuatorMng\_Per1\_HandWheelAuth_Rte\_InstAp\_EOTActuatorMng\_Per1\_HandWheelAuth_Rte\_InstAp\_EOTActuatorMng\_Per1\_HandWheelAuth_Rte\_InstAp\_EOTActuatorMng\_Per1\_HandWheelAuth_Rte\_InstAp\_EOTActuatorMng\_Per1\_HandWheelAuth_Rte\_InstAp\_EOTActuatorMng\_Per1\_HandWheelAuth_Rte\_InstAp\_EOTActuatorMng\_Per1\_HandWheelAuth_Rte\_InstAp\_EOTActuatorMng\_Per1\_HandWheelAuth_Rte\_InstAp\_EOTActuatorMng\_Per1\_HandWheelAuth_Rte\_InstAp\_EOTActuatorMng\_Per1\_HandWhe$                  | target_EOTActuatorMng_Per1_HandWheelA   | uth_Uls_f32               |        |
| target_Rte_Inst_Ap_EOTActuatorMng.EOTActuatorMng_Per1_HandWheelPos_Hwl  | target_EOTActuatorMng_Per1_HandWheelF   | os_HwDeg_f32              |        |
| $target\_Rte\_Inst\_Ap\_EOTActuatorMng\_EOTActuatorMng\_Per1\_HwTorque\_HwNm\_fractuatorMng\_Per1\_HwTorque\_HwMp_FractuatorMng\_Per1\_HwMp_FractuatorMng\_Per1\_HwMp_FractuatorMng\_Per1\_HwMp_FractuatorMng\_Per1\_HwMp_FractuatorMng\_Per1\_HwMp_FractuatorMng\_Per1\_HwMp_FractuatorMng\_Per1\_HwMp_FractuatorMng\_Per1\_HwMp_FractuatorMng\_Per1\_HwMp_FractuatorMng\_Per1\_HwMp_FractuatorMng\_Per1\_HwMp_FractuatorMng\_Per1\_HwMp_FractuatorMng\_Per1\_HwMp_FractuatorMng\_Per1\_HwMp_FractuatorMng\_Per1\_HwMp_FractuatorMng\_Per1\_HwMp_FractuatorMng\_Per1\_HwMp_FractuatorMng\_Per$ | target_EOTActuatorMng_Per1_HwTorque_H   | lwNm_f32                  |        |
| target_Rte_Inst_Ap_EOTActuatorMng.EOTActuatorMng_Per1_MotorVel_MtrRadpS   | target_EOTActuatorMng_Per1_MotorVel_Mt  | rRadpS_f32                |        |
| $target\_Rte\_Inst\_Ap\_EOTActuatorMng\_EOTActuatorMng\_Per1\_OutputRampMultLtd\_Inst\_Ap\_EOTActuatorMng\_Per1\_OutputRampMultLtd\_Inst\_Ap\_EOTActuatorMng\_Per1\_OutputRampMultLtd\_Inst\_Ap\_EOTActuatorMng\_Per1\_OutputRampMultLtd\_Inst\_Ap\_EOTActuatorMng\_Per1\_OutputRampMultLtd\_Inst\_Ap\_EOTActuatorMng\_Per1\_OutputRampMultLtd\_InstAp\_EOTActuatorMng\_Per1\_Outpu$  | target_EOTActuatorMng_Per1_OutputRamp   | MultLtd_Uls_f32           |        |
| target Rte Inst Ap EOTActuatorMng.EOTActuatorMng Per1 VehicleSpeed Kph  | target_EOTActuatorMng_Per1_VehicleSpee  | d_Kph_f32                 |        |
| Name  | Actual Value                            | Expected Value            | Result |
| EOTActuatorMng_Damping_MtrNm_M_f32  | 7.11881971                              | 7.11882019 ± 0.0000390625 | -      |
| EOTActuatorMng_EOTImpactPos_HwDeg_M_f32   | 666.97998                               | 666.97998 ± 0.0000390625  | ~      |
| EOTActuatorMng_FiltEOTGainSV_HwNm_M_u1p31   | 491889339                               | 491889339 ± 1             | •      |
| EOTActuatorMng_FiltHWTrqSV_HwNm_M_s7p24   | 154177406                               | 154177406 ± 1             | •      |
| EOTActuatorMng_OutputRampMultLtd_M_f32  | 0.644999981                             | 0.644999981 ± 0.00390625  | •      |
|   |   |                           |        |

| T  |       |  |       | <b>✓</b> |
|--|-------|--|-------|----------|
| Actual Function                                    | Count | Expected Function                                  | Count | Result   |
| Rte_Call_EOTActuatorMng_Per1_CP0_CheckpointReached | 1     | Rte_Call_EOTActuatorMng_Per1_CP0_CheckpointReached | 1     | ~        |
| EOTDetermination                                   | 1     | EOTDetermination                                   | 1     | •        |
| SES_DetLmtPos                                      | 1     | SES_DetLmtPos                                      | 1     | ~        |
| SES_CalcExitGain                                   | 1     | SES_CalcExitGain                                   | 1     | •        |
| IntplVarXY_u16_u16Xu16Y_Cnt                        | 1     | IntplVarXY_u16_u16Xu16Y_Cnt                        | 1     | ~        |
| SES_CalcEnterGain                                  | 1     | SES_CalcEnterGain                                  | 1     | •        |
| BilinearXMYM_u16_u16XMu16YM_Cnt                    | 1     | BilinearXMYM_u16_u16XMu16YM_Cnt                    | 1     | ~        |
| SES_CalcEOTGain                                    | 1     | SES_CalcEOTGain                                    | 1     | •        |
| SES_FiltEOTGain                                    | 1     | SES_FiltEOTGain                                    | 1     | •        |
| SES_CalcEOTDamp                                    | 1     | SES_CalcEOTDamp                                    | 1     | •        |
| BilinearXMYM_u16_u16XMu16YM_Cnt                    | 1     | BilinearXMYM_u16_u16XMu16YM_Cnt                    | 1     | ~        |
| SES_StateCtrl                                      | 1     | SES_StateCtrl                                      | 1     | •        |
| IntplVarXY_u16_u16Xu16Y_Cnt                        | 2     | IntplVarXY_u16_u16Xu16Y_Cnt                        | 2     | ~        |
| Rte Call EOTActuatorMng Per1 CP1 CheckpointReached | 1     | Rte Call EOTActuatorMng Per1 CP1 CheckpointReached | 1     | <b>✓</b> |

0.229034424

7.11881971

0.229034424

8.80000019

SES\_NORMAL

0.229034424 ± 0.0625

7.11882019 ± 0.00048828125

0.229034424 ± 0.0000390625

8.80000019 ± 0.00048828125

SES\_NORMAL

| Test Step 2.10 (Repeat Count = 1)         | ✓                                 |
|---|-----------------------------------|
| Name                                      | Input Value                       |
| EOTActuatorMng_Damping_MtrNm_M_f32        | 0                                 |
| EOTActuatorMng_EOTImpactPos_HwDeg_M_f32   | 555.469971                        |
| EOTActuatorMng_FiltEOTGainSV_HwNm_M_u1p31 | 279172874                         |
| EOTActuatorMng_FiltHWTrqSV_HwNm_M_s7p24   | -142606336                        |
| EOTActuatorMng_PrevEOTGain_Uls_M_f32      | 0.860000014                       |
| EOTActuatorMng_SESState_Uls_M_enum        | SES_NORMAL                        |
| Rte_Inst_Ap_EOTActuatorMng                | target_Rte_Inst_Ap_EOTActuatorMng |
| k_EOTActiveRegionBypassMaxThresh_Uls_f32  | 0.075000003                       |
| k_EOTDefltPosition_HwDeg_u12p4            | 5328                              |
| k_EOTDeltaTrqThrsh_HwNm_u9p7              | 1152                              |
| k_EOTDynConf_Uls_u8p8                     | 25600                             |
| k_EOTEnterLPFKn_Cnt_u16                   | 200                               |
| k_EOTExitLPFKn_Cnt_u16                    | 2345                              |
| k_EOTImpSpdEn_Kph_u9p7                    | 6528                              |

EOTActuatorMng Per1

2015-06-29, 18:31:27+0530



Input Value k EOTOriginalImpactandSoftEnd Cnt lgc 44.6399994  $k\_EOTPosDepDempFinalSlew\_MtrNmpS\_T\_f32$ k EOTStateHwTrqLPFKn\_Cnt\_u16 2222 k\_MaxRackTrvl\_HwDeg\_u12p4 16000 k MinRackTrvl HwDeg\_u12p4 6192 k\_PosRampStep\_HwDeg\_u12p4 2624 k SoftStopEOTEnable Cnt lgc 84  $k\_SpdIptScale\_MtrNmpRadpS\_u4p12$ t2\_EOTEnterGainX\_HwDeg\_u12p4[0][0] 160 t2\_EOTEnterGainX\_HwDeg\_u12p4[0][1] 352 t2\_EOTEnterGainX\_HwDeg\_u12p4[0][2] 480 720 t2\_EOTEnterGainX\_HwDeg\_u12p4[0][3] t2\_EOTEnterGainX\_HwDeg\_u12p4[1][0] 624 1856 t2\_EOTEnterGainX\_HwDeg\_u12p4[1][1] t2\_EOTEnterGainX\_HwDeg\_u12p4[1][2] 1872 1888 t2\_EOTEnterGainX\_HwDeg\_u12p4[1][3] t2\_EOTEnterGainX\_HwDeg\_u12p4[2][0] 1264 t2\_EOTEnterGainX\_HwDeg\_u12p4[2][1] 3776 t2\_EOTEnterGainX\_HwDeg\_u12p4[2][2] 3792 t2\_EOTEnterGainX\_HwDeg\_u12p4[2][3] 3808 t2\_EOTEnterGainX\_HwDeg\_u12p4[3][0] 1904 t2\_EOTEnterGainX\_HwDeg\_u12p4[3][1] 5696 t2\_EOTEnterGainX\_HwDeg\_u12p4[3][2] 5712 t2\_EOTEnterGainX\_HwDeg\_u12p4[3][3] 5728 t2 EOTEnterGainY\_Uls\_u1p15[0][0] t2\_EOTEnterGainY\_Uls\_u1p15[0][1] 8 t2\_EOTEnterGainY\_Uls\_u1p15[0][2] 88 t2\_EOTEnterGainY\_Uls\_u1p15[0][3] 859 t2 EOTEnterGainY Uls u1p15[1][0] 8 t2\_EOTEnterGainY\_Uls\_u1p15[1][1] 9 t2\_EOTEnterGainY\_Uls\_u1p15[1][2] 118 t2\_EOTEnterGainY\_Uls\_u1p15[1][3] 1144 t2 EOTEnterGainY Uls u1p15[2][0] 8 t2\_EOTEnterGainY\_Uls\_u1p15[2][1] 8 t2\_EOTEnterGainY\_Uls\_u1p15[2][2] 108 t2\_EOTEnterGainY\_Uls\_u1p15[2][3] 1049 t2\_EOTEnterGainY\_Uls\_u1p15[3][0] 10 t2\_EOTEnterGainY\_Uls\_u1p15[3][1] 10 t2\_EOTEnterGainY\_Uls\_u1p15[3][2] 167 t2 \_EOTEnterGainY\_Uls\_u1p15[3][3] 1619 t2\_EOTExPosDepDmpTblY\_MtrNmpRadps\_u0p16[0][0] 137 t2\_EOTExPosDepDmpTblY\_MtrNmpRadps\_u0p16[0][1] 194 t2\_EOTExPosDepDmpTblY\_MtrNmpRadps\_u0p16[1][0] 213 t2\_EOTExPosDepDmpTblY\_MtrNmpRadps\_u0p16[1][1] 302  $t2\_EOTExPosDepDmpTblY\_MtrNmpRadps\_u0p16[2][0]$ 213 t2\_EOTExPosDepDmpTblY\_MtrNmpRadps\_u0p16[2][1] 302 t2 EOTExPosDepDmpTblY MtrNmpRadps u0p16[3][0] 168 237 t2\_EOTExPosDepDmpTblY\_MtrNmpRadps\_u0p16[3][1] t2\_EOTPosDepDmpTblX\_HwDeg\_u12p4[0][0] 736 t2\_EOTPosDepDmpTblX\_HwDeg\_u12p4[0][1] 1264 t2 EOTPosDepDmpTblX HwDeg u12p4[1][0] 784 t2\_EOTPosDepDmpTblX\_HwDeg\_u12p4[1][1] 1168 t2 EOTPosDepDmpTblX HwDeg u12p4[2][0] 928 t2\_EOTPosDepDmpTblX\_HwDeg\_u12p4[2][1] 4160 t2\_EOTPosDepDmpTblX\_HwDeg\_u12p4[3][0] 544 t2\_EOTPosDepDmpTblX\_HwDeg\_u12p4[3][1] 688 t2\_EOTPosDepDmpTblY\_MtrNmpRadpS\_u0p16[0][0] 137 t2\_EOTPosDepDmpTblY\_MtrNmpRadpS\_u0p16[0][1] 194 t2\_EOTPosDepDmpTblY\_MtrNmpRadpS\_u0p16[1][0] 274 t2\_EOTPosDepDmpTblY\_MtrNmpRadpS\_u0p16[1][1] 388 t2\_EOTPosDepDmpTblY\_MtrNmpRadpS\_u0p16[2][0] 198 280 t2\_EOTPosDepDmpTblY\_MtrNmpRadpS\_u0p16[2][1]  $t2\_EOTPosDepDmpTbIY\_MtrNmpRadpS\_u0p16[3][0]$ 804 t2\_EOTPosDepDmpTblY\_MtrNmpRadpS\_u0p16[3][1] 114 t\_EOTDmpVspd\_Kph\_u9p7[0] 4992 t\_EOTDmpVspd\_Kph\_u9p7[1] 14848 t\_EOTDmpVspd\_Kph\_u9p7[2] 14976 t EOTDmpVspd Kph u9p7[3] 15104 t\_EOTEnterGainVspd\_Kph\_u9p7[0] 4992 t\_EOTEnterGainVspd\_Kph\_u9p7[1] 14848 t\_EOTEnterGainVspd\_Kph\_u9p7[2] 14976 t\_EOTEnterGainVspd\_Kph\_u9p7[3] 15104  $t\_SpdIptTblXTbl\_HwDeg\_u12p4[0]$ 80

2015-06-29, 18:31:27+0530



| Name  | Input Value                             |                 |  |
|---|---|-----------------|--|
| t_SpdlptTblXTbl_HwDeg_u12p4[1]  | 368                                     |                 |  |
| t_SpdlptTblYTbl_MtrRadpS_u12p4[0]   | 544                                     |                 |  |
| t_SpdlptTblYTbl_MtrRadpS_u12p4[1]   | 688                                     |                 |  |
| t_TrqTableX_HwNm_u8p8[0]  | 768                                     |                 |  |
| t_TrqTableX_HwNm_u8p8[1]  | 1536                                    |                 |  |
| t_TrqTbIY_UIs_u2p14[0]  | 82                                      |                 |  |
| t_TrqTbIY_UIs_u2p14[1]  | 164                                     |                 |  |
| target_EOTActuatorMng_Per1_CcwEOT_HwDeg_f32.value   | 0                                       |                 |  |
| target_EOTActuatorMng_Per1_CcwFound_Cnt_lgc.value   | 0                                       |                 |  |
| target_EOTActuatorMng_Per1_CwEOT_HwDeg_f32.value  | 444.040985                              |                 |  |
| target_EOTActuatorMng_Per1_CwFound_Cnt_lgc.value  | 0                                       |                 |  |
| target_EOTActuatorMng_Per1_EOTDisable_Cnt_lgc.value   | 1                                       |                 |  |
| target_EOTActuatorMng_Per1_HandWheelAuth_Uls_f32.value  | 0.43999998                              |                 |  |
| target_EOTActuatorMng_Per1_HandWheelPos_HwDeg_f32.value   | -300.26001                              |                 |  |
| target_EOTActuatorMng_Per1_HwTorque_HwNm_f32.value  | 4.5                                     |                 |  |
| target_EOTActuatorMng_Per1_MotorVel_MtrRadpS_f32.value  | 0.129999995                             |                 |  |
| target_EOTActuatorMng_Per1_OutputRampMultLtd_Uls_f32.value  | 0.0960000008                            |                 |  |
| target_EOTActuatorMng_Per1_VehicleSpeed_Kph_f32.value   | 2.11999989                              |                 |  |
| $target\_Rte\_Inst\_Ap\_EOTActuatorMng.EOTActuatorMng\_Per1\_AssistEOTDamping\_Per1\_AssisTEOTDamping\_Per1\_AssisTEOTDamping\_Per1\_AssisTEOTDamping\_Per1\_AssisTEOTD$  | target_EOTActuatorMng_Per1_AssistEOTDa  | mping_MtrNm_f32 |  |
| $target\_Rte\_Inst\_Ap\_EOTActuatorMng.EOTActuatorMng\_Per1\_AssistEOTGain\_Uls\_Inst\_Ap\_EOTActuatorMng\_Per1\_AssistEOTGain\_Uls\_Inst\_Ap\_EOTActuatorMng\_Per1\_AssistEOTGain\_Uls\_Inst\_Ap\_EOTActuatorMng\_Per1\_AssistEOTGain\_Uls\_Inst\_Ap\_EOTActuatorMng\_Per1\_AssistEOTGain\_Uls\_Inst\_Ap\_EOTActuatorMng\_Per1\_AssistEOTGain\_Uls\_Inst\_Ap\_EOTActuatorMng\_Per1\_AssistEOTGain\_Uls\_Inst\_Ap\_EOTActuatorMng\_Per1\_AssistEOTGain\_Uls\_Inst\_Ap\_EOTActuatorMng\_Per1\_AssistEOTGain\_Uls\_Inst\_Ap\_EOTActuatorMng\_Per1\_AssistEOTGain\_Uls\_Inst\_Ap\_EOTActuatorMng\_Per1\_AssistEOTGain\_Uls\_Inst_Ap\_EOTActuatorMng\_Per1\_AssistEOTGain\_Uls\_Inst_Ap\_EOTActuatorMng\_Per1\_AssistEOTGain\_Uls\_Inst_Ap\_EOTActuatorMng\_Per1\_AssistEOTGain\_Uls\_Inst_Ap\_EOTActuatorMng\_Ap\_Ap\_EOTActuatorMng\_Ap\_EOTActuatorMng\_Ap\_Ap\_Ap\_Ap\_Ap\_Ap\_Ap\_Ap\_Ap\_Ap\_Ap\_Ap\_Ap\_$  | target_EOTActuatorMng_Per1_AssistEOTGa  | nin_Uls_f32     |  |
| $target\_Rte\_Inst\_Ap\_EOTActuatorMng.EOTActuatorMng\_Per1\_AssistEOTLimit\_Mtr?$  | target_EOTActuatorMng_Per1_AssistEOTLin | nit_MtrNm_f32   |  |
| $target\_Rte\_Inst\_Ap\_EOTActuatorMng.EOTActuatorMng\_Per1\_CcwEOT\_HwDeg\_f3$   | target_EOTActuatorMng_Per1_CcwEOT_Hw    | Deg_f32         |  |
| $target\_Rte\_Inst\_Ap\_EOTActuatorMng.EOTActuatorMng\_Per1\_CcwFound\_Cnt\_Igc$  | target_EOTActuatorMng_Per1_CcwFound_C   | Cnt_lgc         |  |
| $target\_Rte\_Inst\_Ap\_EOTActuatorMng.EOTActuatorMng\_Per1\_CwEOT\_HwDeg\_f32000000000000000000000000000000000000$   | target_EOTActuatorMng_Per1_CwEOT_HwD    | Deg_f32         |  |
| target_Rte_Inst_Ap_EOTActuatorMng.EOTActuatorMng_Per1_CwFound_Cnt_lgc   | target_EOTActuatorMng_Per1_CwFound_Cr   | nt_lgc          |  |
| $target\_Rte\_Inst\_Ap\_EOTActuatorMng.EOTActuatorMng\_Per1\_EOTDisable\_Cnt\_lgenerate and the property of the prope$  | target_EOTActuatorMng_Per1_EOTDisable_  | Cnt_lgc         |  |
| $target\_Rte\_Inst\_Ap\_EOTActuatorMng.EOTActuatorMng\_Per1\_HandWheelAuth\_Ulstarget\_Rte\_Inst\_Ap\_EOTActuatorMng\_Per1\_HandWheelAuth\_Ulstarget\_Rte\_Inst\_Ap\_EOTActuatorMng\_Per1\_HandWheelAuth\_Ulstarget\_Rte\_Inst\_Ap\_EOTActuatorMng\_Per1\_HandWheelAuth\_Ulstarget\_Rte\_Inst\_Ap\_EOTActuatorMng\_Per1\_HandWheelAuth\_Ulstarget\_Rte\_Inst\_Ap\_EOTActuatorMng\_Per1\_HandWheelAuth\_Ulstarget\_Rte\_Inst\_Ap\_EOTActuatorMng\_Per1\_HandWheelAuth\_Ulstarget\_Rte\_Inst\_Ap\_EOTActuatorMng\_Per1\_HandWheelAuth\_Ulstarget\_Rte\_Inst\_Ap\_EOTActuatorMng\_Per1\_HandWheelAuth\_Ulstarget\_Rte\_Inst\_Ap\_EOTActuatorMng\_Per1\_HandWheelAuth\_Ulstarget\_Rte\_Inst\_Ap\_EOTActuatorMng\_Per1\_HandWheelAuth\_Ulstarget\_Rte\_InstAp\_EOTActuatorMng\_Per1\_HandWheelAuth\_Ulstarget\_Rte\_InstAp\_EOTActuatorMng\_Per1\_HandWheelAuth\_Ulstarget\_Rte\_InstAp\_EOTActuatorMng\_Rte\_InstAp\_EOTActuator$ | target_EOTActuatorMng_Per1_HandWheelA   | uth_Uls_f32     |  |
| $target\_Rte\_Inst\_Ap\_EOTActuatorMng.EOTActuatorMng\_Per1\_HandWheelPos\_HwleelPos\_HwleelPos$  | target_EOTActuatorMng_Per1_HandWheelP   | os_HwDeg_f32    |  |
| $target\_Rte\_Inst\_Ap\_EOTActuatorMng.EOTActuatorMng\_Per1\_HwTorque\_HwNm\_fractuatorMng\_Per1\_HwTorque\_HwNm_fractuatorMng\_Per1\_HwTorque\_HwNm_fractuatorMng\_Per1\_HwTorque\_HwNm_fractuatorMng\_Per1\_HwTorque\_HwNm_fractuatorMng\_Per1\_HwTorque\_HwNm_fractuatorMng\_Per1\_HwTorque\_HwNm_fractuatorMng\_Per1\_HwTorque\_HwNm_fractuatorMng\_Per1\_HwTorque\_HwNm_fractuatorMng\_Per1\_HwTorque\_HwNm_fractuatorMng\_Per1\_HwTorque\_HwNm_fractuatorMng\_Per1\_HwNm_fractuatorMng\_Per1\_HwNm_fractuatorMng\_Per1\_HwNm_fractuatorMng\_Per1\_HwNm_fractuatorMng\_Per1\_HwNm_fractuatorMng\_Per1\_HwNm_fractuatorMng\_Per1\_HwNm_fractuatorMng\_Per1\_HwNm_fractuatorMng\_Per1\_HwNm_fractuatorMng\_Per1\_HwNm_fractuatorMng\_Per1\_HwNm_fractuatorMng\_Per1\_HwNm_fractuatorMng\_Per1\_HwNm_fractuatorMng\_Per1\_HwNm_fractuatorMng\_Per1\_HwNm_fractuatorMng\_Per1\_HwNm_fractuatorMng\_Per1\_HwNm_fractuatorMng\_Per1\_HwNm_fractuatorMng\_Per1\_HwNm_fr$                    | target_EOTActuatorMng_Per1_HwTorque_H   | wNm_f32         |  |
| $target\_Rte\_Inst\_Ap\_EOTActuatorMng.EOTActuatorMng\_Per1\_MotorVel\_MtrRadpSpace{20mm}{${}_{-}$} eq:local_control_$  | target_EOTActuatorMng_Per1_MotorVel_Mtr | RadpS_f32       |  |
| $target\_Rte\_Inst\_Ap\_EOTActuatorMng.EOTActuatorMng\_Per1\_OutputRampMultLtd\_Inst\_Ap\_EOTActuatorMng\_Per1\_OutputRampMultLtd\_Inst\_Ap\_EOTActuatorMng\_Per1\_OutputRampMultLtd\_Inst\_Ap\_EOTActuatorMng\_Per1\_OutputRampMultLtd\_Inst\_Ap\_EOTActuatorMng\_Per1\_OutputRampMultLtd\_Inst\_Ap\_EOTActuatorMng\_Per1\_OutputRampMultLtd\_Inst\_Ap\_EOTActuatorMng\_Per1\_OutputRampMultLtd\_InstAp\_EOTActuatorMng\_Per1\_Outp$  | target_EOTActuatorMng_Per1_OutputRampl  | MultLtd_Uls_f32 |  |
| target Rte Inst Ap EOTActuatorMng.EOTActuatorMng Per1 VehicleSpeed Kph  | target_EOTActuatorMng_Per1_VehicleSpeed | d_Kph_f32       |  |
| 3   |   |                 |  |

| Name  | Actual Value  | Expected Value                 | Result   |
|---|---------------|--------------------------------|----------|
| EOTActuatorMng_Damping_MtrNm_M_f32                          | 0.00038482665 | 0.000384826999 ± 0.0000390625  | ~        |
| EOTActuatorMng_EOTImpactPos_HwDeg_M_f32                     | 555.469971    | 555.469971 ± 0.0000390625      | •        |
| EOTActuatorMng_FiltEOTGainSV_HwNm_M_u1p31                   | 278492874     | 278492874 ± 1                  | ~        |
| EOTActuatorMng_FiltHWTrqSV_HwNm_M_s7p24                     | -140331008    | -140331008 ± 1                 | ~        |
| EOTActuatorMng_OutputRampMultLtd_M_f32                      | 0.0960000008  | 0.0960000008 ± 0.00390625      | ~        |
| EOTActuatorMng_PrevEOTGain_Uls_M_f32                        | 0.129669189   | 0.129669189 ± 0.0625           | ~        |
| EOTActuatorMng_SESState_Uls_M_enum                          | SES_DISABLED  | SES_DISABLED                   | ~        |
| target_EOTActuatorMng_Per1_AssistEOTDamping_MtrNm_f32.value | 0.00038482665 | 0.000384826999 ± 0.00048828125 | •        |
| target_EOTActuatorMng_Per1_AssistEOTGain_Uls_f32.value      | 0.129669189   | 0.129669189 ± 0.0000390625     | ~        |
| target_EOTActuatorMng_Per1_AssistEOTLimit_MtrNm_f32.value   | 8.80000019    | 8.80000019 ± 0.00048828125     | <b>✓</b> |

| Т  |       |  |       | <b>✓</b> |
|--|-------|--|-------|----------|
| Actual Function                                    | Count | Expected Function                                  | Count | Result   |
| Rte_Call_EOTActuatorMng_Per1_CP0_CheckpointReached | 1     | Rte_Call_EOTActuatorMng_Per1_CP0_CheckpointReached | 1     | ~        |
| EOTDetermination                                   | 1     | EOTDetermination                                   | 1     | <b>~</b> |
| SES_DetLmtPos                                      | 1     | SES_DetLmtPos                                      | 1     | <b>~</b> |
| SES_CalcExitGain                                   | 1     | SES_CalcExitGain                                   | 1     | <b>~</b> |
| IntplVarXY_u16_u16Xu16Y_Cnt                        | 1     | IntplVarXY_u16_u16Xu16Y_Cnt                        | 1     | ~        |
| SES_CalcEnterGain                                  | 1     | SES_CalcEnterGain                                  | 1     | •        |
| BilinearXMYM_u16_u16XMu16YM_Cnt                    | 1     | BilinearXMYM_u16_u16XMu16YM_Cnt                    | 1     | ~        |
| SES_CalcEOTGain                                    | 1     | SES_CalcEOTGain                                    | 1     | •        |
| SES_FiltEOTGain                                    | 1     | SES_FiltEOTGain                                    | 1     | ~        |
| SES_CalcEOTDamp                                    | 1     | SES_CalcEOTDamp                                    | 1     | <b>✓</b> |
| BilinearXMYM_u16_u16XMu16YM_Cnt                    | 1     | BilinearXMYM_u16_u16XMu16YM_Cnt                    | 1     | <b>~</b> |
| SES_StateCtrl                                      | 1     | SES_StateCtrl                                      | 1     | <b>✓</b> |
| Rte_Call_EOTActuatorMng_Per1_CP1_CheckpointReached | 1     | Rte_Call_EOTActuatorMng_Per1_CP1_CheckpointReached | 1     | <b>~</b> |

| Test Step 2.11 (Repeat Count = 1)         |                                   | ✓ |
|---|-----------------------------------|---|
| Name                                      | Input Value                       |   |
| EOTActuatorMng_Damping_MtrNm_M_f32        | 1                                 |   |
| EOTActuatorMng_EOTImpactPos_HwDeg_M_f32   | 444.153992                        |   |
| EOTActuatorMng_FiltEOTGainSV_HwNm_M_u1p31 | 2040109466                        |   |
| EOTActuatorMng_FiltHWTrqSV_HwNm_M_s7p24   | 142606336                         |   |
| EOTActuatorMng_PrevEOTGain_Uls_M_f32      | 0.870000005                       |   |
| EOTActuatorMng_SESState_Uls_M_enum        | SES_ENTERING                      |   |
| Rte_Inst_Ap_EOTActuatorMng                | target_Rte_Inst_Ap_EOTActuatorMng |   |
| k_EOTActiveRegionBypassMaxThresh_Uls_f32  | 0.595000029                       |   |

EOTActuatorMng\_Per1

2015-06-29, 18:31:27+0530



| Name  | Input Value  |  |
|---|--------------|--|
| k_EOTDefltPosition_HwDeg_u12p4  | 7104         |  |
| k_EOTDeltaTrqThrsh_HwNm_u9p7  | 1024         |  |
| k_EOTDynConf_Uls_u8p8   | 0            |  |
| k_EOTEnterLPFKn_Cnt_u16   | 100          |  |
| k_EOTExitLPFKn_Cnt_u16  | 3456         |  |
| k_EOTImpSpdEn_Kph_u9p7  | 6656         |  |
| k_EOTOriginalImpactandSoftEnd_Cnt_lgc   | 0            |  |
| k_EOTPosDepDempFinalSlew_MtrNmpS_T_f32  | 48.6899986   |  |
| k_EOTStateHwTrqLPFKn_Cnt_u16  | 1111         |  |
| k_MaxRackTrvl_HwDeg_u12p4   | 17776        |  |
| k_MinRackTrvl_HwDeg_u12p4   | 12064        |  |
| k_PosRampStep_HwDeg_u12p4   | 12256        |  |
| k_SoftStopEOTEnable_Cnt_lgc   | 1            |  |
| k_SpdlptScale_MtrNmpRadpS_u4p12   | 84           |  |
| t2_EOTEnterGainX_HwDeg_u12p4[0][0]  | 800          |  |
| t2_EOTEnterGainX_HwDeg_u12p4[0][1]  | 960          |  |
| t2_EOTEnterGainX_HwDeg_u12p4[0][2]  | 1120         |  |
| t2_EOTEnterGainX_HwDeg_u12p4[0][3]  | 1280         |  |
| t2_EOTEnterGainX_HwDeg_u12p4[1][0]  | 640          |  |
| t2_EOTEnterGainX_HwDeg_u12p4[1][1]  | 1904         |  |
| t2_EOTEnterGainX_HwDeg_u12p4[1][2]<br>t2_EOTEnterGainX_HwDeg_u12p4[1][3]                | 1920<br>1936 |  |
|   |              |  |
| t2_EOTEnterGainX_HwDeg_u12p4[2][0]<br>t2_EOTEnterGainX_HwDeg_u12p4[2][1]                | 1280<br>3824 |  |
| t2_EOTEnterGainX_HwDeg_u12p4[2][1]  | 3840         |  |
| t2_EOTEnterGainX_HwDeg_u12p4[2][3]  | 3856         |  |
| t2_EOTEnterGainX_HwDeg_u12p4[3][0]  | 1920         |  |
| t2_EOTEnterGainX_HwDeg_u12p4[3][1]  | 5744         |  |
| t2_EOTEnterGainX_HwDeg_u12p4[3][2]  | 5760         |  |
| t2_EOTEnterGainX_HwDeg_u12p4[3][3]  | 5776         |  |
| t2_EOTEnterGainY_Uls_u1p15[0][0]  | 7            |  |
| t2_EOTEnterGainY_Uls_u1p15[0][1]  | 8            |  |
| t2_EOTEnterGainY_Uls_u1p15[0][2]  | 98           |  |
| t2_EOTEnterGainY_Uls_u1p15[0][3]  | 954          |  |
| t2_EOTEnterGainY_Uls_u1p15[1][0]  | 8            |  |
| t2_EOTEnterGainY_Uls_u1p15[1][1]  | 9            |  |
| t2_EOTEnterGainY_Uls_u1p15[1][2]  | 127          |  |
| t2_EOTEnterGainY_Uls_u1p15[1][3]  | 1239         |  |
| t2_EOTEnterGainY_Uls_u1p15[2][0]  | 8            |  |
| t2_EOTEnterGainY_Uls_u1p15[2][1]  | 9            |  |
| t2_EOTEnterGainY_Uls_u1p15[2][2]  | 118          |  |
| t2_EOTEnterGainY_Uls_u1p15[2][3]  | 1144         |  |
| t2_EOTEnterGainY_Uls_u1p15[3][0]  | 10           |  |
| t2_EOTEnterGainY_Uls_u1p15[3][1]  | 10           |  |
| t2_EOTEnterGainY_Uls_u1p15[3][2]  | 176          |  |
| t2_EOTEnterGainY_Uls_u1p15[3][3]  | 1714         |  |
| t2_EOTExPosDepDmpTblY_MtrNmpRadps_u0p16[0][0]   | 153          |  |
| t2_EOTExPosDepDmpTblY_MtrNmpRadps_u0p16[0][1]   | 216          |  |
| t2_EOTExPosDepDmpTblY_MtrNmpRadps_u0p16[1][0]   | 228          |  |
| t2_EOTExPosDepDmpTblY_MtrNmpRadps_u0p16[1][1]   | 323          |  |
| t2_EOTExPosDepDmpTblY_MtrNmpRadps_u0p16[2][0]   | 228          |  |
| t2_EOTExPosDepDmpTblY_MtrNmpRadps_u0p16[2][1]   | 323          |  |
| t2_EOTExPosDepDmpTblY_MtrNmpRadps_u0p16[3][0]   | 183          |  |
| t2_EOTExPosDepDmpTblY_MtrNmpRadps_u0p16[3][1]   | 259          |  |
| t2_EOTPosDepDmpTblX_HwDeg_u12p4[0][0]   | 768          |  |
| t2_EOTPosDepDmpTblX_HwDeg_u12p4[0][1]   | 1280         |  |
| t2_EOTPosDepDmpTblX_HwDeg_u12p4[1][0]   | 800          |  |
| t2_EOTPosDepDmpTblX_HwDeg_u12p4[1][1]   | 1184         |  |
| t2_EOTPosDepDmpTblX_HwDeg_u12p4[2][0]   | 800          |  |
| t2_EOTPosDepDmpTblX_HwDeg_u12p4[2][1]   | 4176         |  |
| t2_EOTPosDepDmpTblX_HwDeg_u12p4[3][0]   | 320          |  |
| t2_EOTPosDepDmpTblX_HwDeg_u12p4[3][1]   | 704          |  |
| t2_EOTPosDepDmpTblY_MtrNmpRadpS_u0p16[0][0]   | 153          |  |
| t2_EOTPosDepDmpTblY_MtrNmpRadpS_u0p16[0][1] t2_EOTPosDepDmpTblY_MtrNmpRadpS_u0p16[1][0] | 289          |  |
| t2_EOTPosDepDmpTbIY_MtrNmpRadpS_u0p16[1][0] t2_EOTPosDepDmpTbIY_MtrNmpRadpS_u0p16[1][1] | 409          |  |
| t2_EOTPosDepDmpTblY_MtrNmpRadpS_u0p16[1][1] t2_EOTPosDepDmpTblY_MtrNmpRadpS_u0p16[2][0] | 213          |  |
| t2_EOTPosDepDmpTblY_MtrNmpRadpS_u0p16[2][0]   | 302          |  |
|   | 116          |  |
| t2_EOTPosDepDmpTbIY_MtrNmpRadpS_u0p16[3][0] t2_EOTPosDepDmpTbIY_MtrNmpRadpS_u0p16[3][1] | 819          |  |
| t_EOTDmpVspd_Kph_u9p7[0]  | 5120         |  |
| t_EOTDmpVspd_Kph_u9p7[1]  | 15232        |  |
| t_EOTDmpVspd_Kph_u9p7[2]  | 15360        |  |
|   |              |  |

2015-06-29, 18:31:27+0530



| Name  | Input Value   |                            |       |
|---|---|----------------------------|-------|
| t_EOTDmpVspd_Kph_u9p7[3]  | 15488   |                            |       |
| t EOTEnterGainVspd Kph u9p7[0]  | 5120  |                            |       |
| t EOTEnterGainVspd Kph u9p7[1]  | 15232   |                            |       |
| t_EOTEnterGainVspd_Kph_u9p7[2]  | 15360   |                            |       |
| t_EOTEnterGainVspd_Kph_u9p7[3]  | 15488   |                            |       |
| t_SpdlptTblXTbl_HwDeg_u12p4[0]  | 64  |                            |       |
| t_SpdlptTblXTbl_HwDeg_u12p4[1]  | 384   |                            |       |
| t_SpdlptTblYTbl_MtrRadpS_u12p4[0]   | 320   |                            |       |
| t_SpdlptTblYTbl_MtrRadpS_u12p4[1]   | 704   |                            |       |
| t_TrqTableX_HwNm_u8p8[0]  | 512   |                            |       |
| t_TrqTableX_HwNm_u8p8[1]  | 1280  |                            |       |
| t_TrqTbIY_Uls_u2p14[0]  | 98  |                            |       |
| t_TrqTbIY_Uls_u2p14[1]  | 180   |                            |       |
| target_EOTActuatorMng_Per1_CcwEOT_HwDeg_f32.value   | -1000.09998   |                            |       |
| target_EOTActuatorMng_Per1_CcwFound_Cnt_lgc.value   | 1   |                            |       |
| target_EOTActuatorMng_Per1_CwEOT_HwDeg_f32.value  | 555.021973  |                            |       |
| target_EOTActuatorMng_Per1_CwFound_Cnt_lgc.value  | 1   |                            |       |
| target_EOTActuatorMng_Per1_EOTDisable_Cnt_lgc.value   | 0   |                            |       |
| target_EOTActuatorMng_Per1_HandWheelAuth_Uls_f32.value  | 0.870000005   |                            |       |
| target_EOTActuatorMng_Per1_HandWheelPos_HwDeg_f32.value   | 300.147003  |                            |       |
| target_EOTActuatorMng_Per1_HwTorque_HwNm_f32.value  | -4.5999999  |                            |       |
| target_EOTActuatorMng_Per1_MotorVel_MtrRadpS_f32.value  | -0.150000006  |                            |       |
| target_EOTActuatorMng_Per1_OutputRampMultLtd_Uls_f32.value  | 0.558000028   |                            |       |
| target_EOTActuatorMng_Per1_VehicleSpeed_Kph_f32.value   | 3.13000011  |                            |       |
| target Rte Inst Ap EOTActuatorMng.EOTActuatorMng Per1 AssistEOTDamp   | OTDamping target_EOTActuatorMng_Per1_AssistEOTDamping_MtrNm_f32 |                            |       |
| $target\_Rte\_Inst\_Ap\_EOTActuatorMng.EOTActuatorMng\_Per1\_AssistEOTGain\_Results (Ap\_EOTActuatorMng\_Per1\_AssistEOTGain\_Results (Ap\_EOTActuatorMng\_Per1\_AssistEOTActuatorMng\_Per$   | Uls_ target_EOTActuatorMng_Per1_AssistEO                        | TGain_Uls_f32              |       |
| $target\_Rte\_Inst\_Ap\_EOTActuatorMng.EOTActuatorMng\_Per1\_AssistEOTLimit\_Inst\_Ap\_EOTActuatorMng\_Per1\_AssistEOTLimit\_Inst\_Ap\_EOTActuatorMng\_Per1\_AssistEOTLimit\_Inst\_Ap\_EOTActuatorMng\_Per1\_AssistEOTLimit\_Inst\_Ap\_EOTActuatorMng\_Per1\_AssistEOTLimit\_Inst\_Ap\_EOTActuatorMng\_Per1\_AssistEOTLimit\_Inst\_Ap\_EOTActuatorMng\_Per1\_AssistEOTLimit\_Inst\_Ap\_EOTActuatorMng\_Per1\_AssistEOTLimit\_Inst\_Ap\_EOTActuatorMng\_Per1\_AssistEOTLimit\_Inst\_Ap\_EOTActuatorMng\_Per1\_AssistEOTLimit\_Inst\_Ap\_EOTActuatorMng\_Per1\_AssistEOTLimit\_Inst\_Ap\_EOTActuatorMng\_Per1\_AssistEOTLimit\_Inst\_Ap\_EOTActuatorMng\_ApATACTUATORMng\_ApATACTUATORMng\_ApATACTUATORMng\_ApATACTUATORMng\_ApATACTUATORMng\_ApATACTUATORMng\_ApATACTUATORMng\_ApATACTUATORMng\_ApATACTUATORMng\_ApATACTUATORMng\_ApATACTUATORMng\_ApATACTUATORMng\_ApATACTUATORMng\_ATACTUATORMng\_ApATACTUATORMng\_ApATACTUATORMng\_ApATACTUATORMng\_ApA$  | Mtrl target_EOTActuatorMng_Per1_AssistEO                        | TLimit_MtrNm_f32           |       |
| $target\_Rte\_Inst\_Ap\_EOTActuatorMng\_EOTActuatorMng\_Per1\_CcwEOT\_HwDerrorMng\_Per$   | g_f3 target_EOTActuatorMng_Per1_CcwEOT_                         | _HwDeg_f32                 |       |
| $target\_Rte\_Inst\_Ap\_EOTActuatorMng.EOTActuatorMng\_Per1\_CcwFound\_Cnt\_Inst\_Ap\_EOTActuatorMng\_Per1\_CcwFound\_Cnt\_Inst\_Ap\_EOTActuatorMng\_Per1\_CcwFound\_Cnt\_Inst\_Ap\_EOTActuatorMng\_Per1\_CcwFound\_Cnt\_Inst\_Ap\_EOTActuatorMng\_Per1\_CcwFound\_Cnt\_Inst\_Ap\_EOTActuatorMng\_Per1\_CcwFound\_Cnt\_Inst\_Ap\_EOTActuatorMng\_Per1\_CcwFound\_Cnt\_Inst\_Ap\_EOTActuatorMng\_Per1\_CcwFound\_Cnt\_Inst\_Ap\_EOTActuatorMng\_Per1\_CcwFound\_Cnt\_Inst\_Ap\_EOTActuatorMng\_Per1\_CcwFound\_Cnt\_Inst\_Ap\_EOTActuatorMng\_Per1\_CcwFound\_Cnt\_Inst\_Ap\_EOTActuatorMng\_Per1\_CcwFound\_Cnt\_Inst\_Ap\_EOTActuatorMng\_Per1\_CcwFound\_Cnt\_Inst\_Ap\_EOTActuatorMng\_Per1\_CcwFound\_Cnt\_Inst_Ap\_EOTActuatorMng\_Per1\_CcwFound\_Cnt\_Inst_Ap\_EOTActuatorMng\_Per1\_CcwFound\_Cnt\_Inst_Ap\_EOTActuatorMng\_Per1\_CcwFound\_Cnt\_Inst_Ap\_EOTActuatorMng\_Cnt\_Inst_Ap_EOTActuatorMng\_Cnt\_Inst_Ap_EOTActuatorMng\_Cnt\_Inst_Ap_EOTActuatorMng\_Cnt\_Inst_Ap_EOTActuatorMng\_Cnt\_Inst_Ap_EOTActuatorMng\_Cnt\_Inst_Ap_EOTActuatorMng\_Cnt\_Inst_Ap_EOTActuatorMng\_Cnt\_Inst_Ap_EOTActuatorMng\_Cn$   | lgc target_EOTActuatorMng_Per1_CcwFound                         | d_Cnt_lgc                  |       |
| $target\_Rte\_Inst\_Ap\_EOTActuatorMng.EOTActuatorMng\_Per1\_CwEOT\_HwDeg$  | _f32 target_EOTActuatorMng_Per1_CwEOT_I                         | HwDeg_f32                  |       |
| $target\_Rte\_Inst\_Ap\_EOTActuatorMng.EOTActuatorMng\_Per1\_CwFound\_Cnt\_Inst\_Ap\_EOTActuatorMng\_Per1\_CwFound\_Cnt\_Inst\_Ap\_EOTActuatorMng\_Per1\_CwFound\_Cnt\_Inst\_Ap\_EOTActuatorMng\_Per1\_CwFound\_Cnt\_Inst\_Ap\_EOTActuatorMng\_Per1\_CwFound\_Cnt\_Inst\_Ap\_EOTActuatorMng\_Per1\_CwFound\_Cnt\_Inst\_Ap\_EOTActuatorMng\_Per1\_CwFound\_Cnt\_Inst\_Ap\_EOTActuatorMng\_Per1\_CwFound\_Cnt\_Inst\_Ap\_EOTActuatorMng\_Per1\_CwFound\_Cnt\_Ap_EOTActuatorMng\_Per1\_CwFound\_Cnt\_Ap_EOTActuatorMng\_Per1\_CwFound\_Cnt\_Ap_EOTActuatorMng\_Per1\_CwFound\_Cnt\_Ap_EOTActuatorMng\_Per1\_CwFound\_Cnt\_Ap_EOTActuatorMng\_Per1\_CwFound\_Cnt\_Ap_EOTActuatorMng\_Per1\_CwFound\_Cnt\_Ap_EOTActuatorMng\_Per1\_CwFound\_Cnt\_Ap_EOTActuato$  | gc target_EOTActuatorMng_Per1_CwFound                           | _Cnt_lgc                   |       |
| $target\_Rte\_Inst\_Ap\_EOTActuatorMng.EOTActuatorMng\_Per1\_EOTDisable\_Cnress and the property of $   | t_lgc target_EOTActuatorMng_Per1_EOTDisat                       | ole_Cnt_lgc                |       |
| $target\_Rte\_Inst\_Ap\_EOTActuatorMng.EOTActuatorMng\_Per1\_HandWheelAuthgrades and the property of the property o$  | _Uls target_EOTActuatorMng_Per1_HandWhe                         | eelAuth_Uls_f32            |       |
| $target \ Rte \ Inst \ Ap \ EOTActuatorMng.EOTActuatorMng \ Per1 \ HandWheelPos$  | Hwl target_EOTActuatorMng_Per1_HandWhe                          | eelPos_HwDeg_f32           |       |
| $target\_Rte\_Inst\_Ap\_EOTActuatorMng\_EOTActuatorMng\_Per1\_HwTorque\_HwNng\_Per1\_HwNng\_Per1\_$ | m_f target_EOTActuatorMng_Per1_HwTorque                         | e_HwNm_f32                 |       |
| $target\_Rte\_Inst\_Ap\_EOTActuatorMng.EOTActuatorMng\_Per1\_MotorVel\_MtrRader(App_EOTActuatorMng) = 0.0000000000000000000000000000000000$   | dpS target_EOTActuatorMng_Per1_MotorVel_                        | _MtrRadpS_f32              |       |
| $target\_Rte\_Inst\_Ap\_EOTActuatorMng.EOTActuatorMng\_Per1\_OutputRampMuller (App_EOTActuatorMng\_Per1\_OutputRampMuller (App_EOTActuatorMng\_Per1\_OutputRampMuller$  | pMultLtd_ target_EOTActuatorMng_Per1_OutputRampMultLtd_Uls_f32  |                            |       |
| $target\_Rte\_Inst\_Ap\_EOTActuatorMng.EOTActuatorMng\_Per1\_VehicleSpeed\_Kapparter (Speed\_Kapparter) \\$   | peed_Kph_ target_EOTActuatorMng_Per1_VehicleSpeed_Kph_f32       |                            |       |
| Name  | Actual Value  | Expected Value             | Resul |
| EOTActuatorMng_Damping_MtrNm_M_f32  | 0.902620018   | 0.902620018 ± 0.0000390625 | •     |
| EOTActuatorMng_EOTImpactPos_HwDeg_M_f32   | 444.153992  | 444.153992 ± 0.0000390625  | ,     |
| FOTActuatorMng_FiltFOTGainSV_HwNm_M_u1n31   | 2037091966  | 2037091966 + 1             |       |

| Name  | Actual Value | Expected Value              | Result   |
|---|--------------|-----------------------------|----------|
| EOTActuatorMng_Damping_MtrNm_M_f32                          | 0.902620018  | 0.902620018 ± 0.0000390625  | ~        |
| EOTActuatorMng_EOTImpactPos_HwDeg_M_f32                     | 444.153992   | 444.153992 ± 0.0000390625   | <b>✓</b> |
| EOTActuatorMng_FiltEOTGainSV_HwNm_M_u1p31                   | 2037091966   | 2037091966 ± 1              | ~        |
| EOTActuatorMng_FiltHWTrqSV_HwNm_M_s7p24                     | 138881153    | 138881153 ± 1               | <b>✓</b> |
| EOTActuatorMng_OutputRampMultLtd_M_f32                      | 0.558000028  | 0.558000028 ± 0.00390625    | ~        |
| EOTActuatorMng_PrevEOTGain_Uls_M_f32                        | 0.948577881  | 0.948577881 ± 0.0625        | <b>✓</b> |
| EOTActuatorMng_SESState_Uls_M_enum                          | SES_NORMAL   | SES_NORMAL                  | ~        |
| target_EOTActuatorMng_Per1_AssistEOTDamping_MtrNm_f32.value | 0.902620018  | 0.902620018 ± 0.00048828125 | <b>✓</b> |
| target_EOTActuatorMng_Per1_AssistEOTGain_Uls_f32.value      | 0.948577881  | 0.948577881 ± 0.0000390625  | ~        |
| target_EOTActuatorMng_Per1_AssistEOTLimit_MtrNm_f32.value   | 8.80000019   | 8.80000019 ± 0.00048828125  | <b>✓</b> |

| Τ  |       |  |       | V        |
|--|-------|--|-------|----------|
| Actual Function                                    | Count | Expected Function                                  | Count | Result   |
| Rte_Call_EOTActuatorMng_Per1_CP0_CheckpointReached | 1     | Rte_Call_EOTActuatorMng_Per1_CP0_CheckpointReached | 1     | ~        |
| EOTDetermination                                   | 1     | EOTDetermination                                   | 1     | •        |
| SES_DetLmtPos                                      | 1     | SES_DetLmtPos                                      | 1     | ~        |
| SES_CalcExitGain                                   | 1     | SES_CalcExitGain                                   | 1     | •        |
| IntplVarXY_u16_u16Xu16Y_Cnt                        | 1     | IntplVarXY_u16_u16Xu16Y_Cnt                        | 1     | •        |
| SES_CalcEnterGain                                  | 1     | SES_CalcEnterGain                                  | 1     | •        |
| BilinearXMYM_u16_u16XMu16YM_Cnt                    | 1     | BilinearXMYM_u16_u16XMu16YM_Cnt                    | 1     | ~        |
| SES_CalcEOTGain                                    | 1     | SES_CalcEOTGain                                    | 1     | ~        |
| SES_FiltEOTGain                                    | 1     | SES_FiltEOTGain                                    | 1     | ~        |
| SES_CalcEOTDamp                                    | 1     | SES_CalcEOTDamp                                    | 1     | •        |
| BilinearXMYM_u16_u16XMu16YM_Cnt                    | 1     | BilinearXMYM_u16_u16XMu16YM_Cnt                    | 1     | ~        |
| SES_StateCtrl                                      | 1     | SES_StateCtrl                                      | 1     | •        |
| IntplVarXY_u16_u16Xu16Y_Cnt                        | 2     | IntplVarXY_u16_u16Xu16Y_Cnt                        | 2     | ~        |
| Rte_Call_EOTActuatorMng_Per1_CP1_CheckpointReached | 1     | Rte_Call_EOTActuatorMng_Per1_CP1_CheckpointReached | 1     | <b>~</b> |

| Test Step 2.12 (Repeat Count = 1)  |             |
|------------------------------------|-------------|
| Name                               | Input Value |
| EOTActuatorMng_Damping_MtrNm_M_f32 | 1.20000005  |

EOTActuatorMng Per1

2015-06-29, 18:31:27+0530



Input Value EOTActuatorMng\_EOTImpactPos\_HwDeg\_M\_f32 111.353996 EOTActuatorMng\_FiltEOTGainSV\_HwNm\_M\_u1p31 1395864371 EOTActuatorMng\_FiltHWTrqSV\_HwNm\_M\_s7p24 -109051904 EOTActuatorMng\_PrevEOTGain\_Uls\_M\_f32 0.75999999 EOTActuatorMng\_SESState\_Uls\_M\_enum SES ENTERING Rte\_Inst\_Ap\_EOTActuatorMng target\_Rte\_Inst\_Ap\_EOTActuatorMng k EOTActiveRegionBypassMaxThresh Uls f32 0.0869999975  $k\_EOTDefltPosition\_HwDeg\_u12p4$ 8880 k\_EOTDeltaTrqThrsh\_HwNm\_u9p7 896 k EOTDynConf Uls u8p8 30720 k\_EOTEnterLPFKn\_Cnt\_u16 111 k EOTExitLPFKn Cnt u16 999 6784 k\_EOTImpSpdEn\_Kph\_u9p7 k EOTOriginalImpactandSoftEnd Cnt lgc k\_EOTPosDepDempFinalSlew\_MtrNmpS\_T\_f32 52.7400017 k\_EOTStateHwTrqLPFKn\_Cnt\_u16 1000 k\_MaxRackTrvl\_HwDeg\_u12p4 10144 k\_MinRackTrvl\_HwDeg\_u12p4 6048 k\_PosRampStep\_HwDeg\_u12p4 12560 k\_SoftStopEOTEnable\_Cnt\_lgc k\_SpdlptScale\_MtrNmpRadpS\_u4p12 84 t2\_EOTEnterGainX\_HwDeg\_u12p4[0][0] 1440 t2\_EOTEnterGainX\_HwDeg\_u12p4[0][1] 1760 t2\_EOTEnterGainX\_HwDeg\_u12p4[0][2] 1920 2000 t2\_EOTEnterGainX\_HwDeg\_u12p4[0][3] t2\_EOTEnterGainX\_HwDeg\_u12p4[1][0] 656 t2\_EOTEnterGainX\_HwDeg\_u12p4[1][1] 1952 t2\_EOTEnterGainX\_HwDeg\_u12p4[1][2] 1968 t2\_EOTEnterGainX\_HwDeg\_u12p4[1][3] 1984 t2\_EOTEnterGainX\_HwDeg\_u12p4[2][0] 1296 3872 t2 EOTEnterGainX HwDeg u12p4[2][1] t2\_EOTEnterGainX\_HwDeg\_u12p4[2][2] 3888 t2 EOTEnterGainX HwDeg u12p4[2][3] 3904 t2\_EOTEnterGainX\_HwDeg\_u12p4[3][0] 1936 5792 t2\_EOTEnterGainX\_HwDeg\_u12p4[3][1] t2 EOTEnterGainX\_HwDeg\_u12p4[3][2] 5808 t2\_EOTEnterGainX\_HwDeg\_u12p4[3][3] 5824 t2\_EOTEnterGainY\_Uls\_u1p15[0][0] 8 t2\_EOTEnterGainY\_Uls\_u1p15[0][1] 8 t2 EOTEnterGainY Uls u1p15[0][2] 108 t2\_EOTEnterGainY\_Uls\_u1p15[0][3] 1049 t2 EOTEnterGainY Uls u1p15[1][0] 9 t2\_EOTEnterGainY\_Uls\_u1p15[1][1] 9 t2\_EOTEnterGainY\_Uls\_u1p15[1][2] 137 1334 t2\_EOTEnterGainY\_Uls\_u1p15[1][3] t2\_EOTEnterGainY\_Uls\_u1p15[2][0] 8 t2\_EOTEnterGainY\_Uls\_u1p15[2][1] 9 t2\_EOTEnterGainY\_Uls\_u1p15[2][2] 127 t2\_EOTEnterGainY\_Uls\_u1p15[2][3] 1239 t2\_EOTEnterGainY\_Uls\_u1p15[3][0] 10 t2\_EOTEnterGainY\_Uls\_u1p15[3][1] 11 t2\_EOTEnterGainY\_Uls\_u1p15[3][2] 186 t2\_EOTEnterGainY\_Uls\_u1p15[3][3] 1809 t2\_EOTExPosDepDmpTblY\_MtrNmpRadps\_u0p16[0][0] 168 t2\_EOTExPosDepDmpTblY\_MtrNmpRadps\_u0p16[0][1] 237 t2\_EOTExPosDepDmpTblY\_MtrNmpRadps\_u0p16[1][0] 243 t2\_EOTExPosDepDmpTblY\_MtrNmpRadps\_u0p16[1][1] 345 t2\_EOTExPosDepDmpTblY\_MtrNmpRadps\_u0p16[2][0] 243 t2\_EOTExPosDepDmpTblY\_MtrNmpRadps\_u0p16[2][1] 345 t2\_EOTExPosDepDmpTblY\_MtrNmpRadps\_u0p16[3][0] 198 t2\_EOTExPosDepDmpTblY\_MtrNmpRadps\_u0p16[3][1] 280 t2 EOTPosDepDmpTblX HwDeg u12p4[0][0] 800  $t2\_EOTPosDepDmpTblX\_HwDeg\_u12p4[0][1]$ 1296 t2\_EOTPosDepDmpTblX\_HwDeg\_u12p4[1][0] 816 t2\_EOTPosDepDmpTblX\_HwDeg\_u12p4[1][1] 1200 t2 EOTPosDepDmpTbIX HwDeg u12p4[2][0] 816 t2\_EOTPosDepDmpTblX\_HwDeg\_u12p4[2][1] 4192 t2 EOTPosDepDmpTblX HwDeg u12p4[3][0] 336 t2\_EOTPosDepDmpTblX\_HwDeg\_u12p4[3][1] 720 t2\_EOTPosDepDmpTblY\_MtrNmpRadpS\_u0p16[0][0] 24 168  $t2\_EOTPosDepDmpTblY\_MtrNmpRadpS\_u0p16[0][1]$ t2\_EOTPosDepDmpTblY\_MtrNmpRadpS\_u0p16[1][0] 304 t2\_EOTPosDepDmpTblY\_MtrNmpRadpS\_u0p16[1][1] 431

2015-06-29, 18:31:27+0530



| Name  | Input Value  |
|---|--|
| t2_EOTPosDepDmpTblY_MtrNmpRadpS_u0p16[2][0]   | 228  |
| t2_EOTPosDepDmpTblY_MtrNmpRadpS_u0p16[2][1]   | 323  |
| t2_EOTPosDepDmpTblY_MtrNmpRadpS_u0p16[3][0]   | 528  |
| t2_EOTPosDepDmpTblY_MtrNmpRadpS_u0p16[3][1]   | 834  |
| t_EOTDmpVspd_Kph_u9p7[0]  | 5248   |
| t_EOTDmpVspd_Kph_u9p7[1]  | 15616  |
| t_EOTDmpVspd_Kph_u9p7[2]  | 15744  |
| t_EOTDmpVspd_Kph_u9p7[3]  | 15872  |
| t_EOTEnterGainVspd_Kph_u9p7[0]  | 5248   |
| t_EOTEnterGainVspd_Kph_u9p7[1]  | 15616  |
| t_EOTEnterGainVspd_Kph_u9p7[2]  | 15744  |
| t_EOTEnterGainVspd_Kph_u9p7[3]  | 15872  |
| t_SpdlptTblXTbl_HwDeg_u12p4[0]  | 48   |
| t_SpdlptTblXTbl_HwDeg_u12p4[1]  | 400  |
| 2-1   | 336  |
| 246.66.000000000000000000000000000000000  | 720  |
| Conf. series Committee befol  | 0  |
| t_TrqTableX_HwNm_u8p8[1]  | 1024   |
| - 4 ·   | 115  |
|   | 197  |
| 3.2   | -1342.02002  |
| 3.2   | 0  |
| 0 _ 0 0_  | 345.03299  |
| 0 = 0= = = = 0  | 0  |
| 3-2   | 1  |
| 0 = 0= = = = =  | 0.89999976   |
| 3.2   | -22.7549992  |
| 3-2   | 7.400001   |
| 0 = 0= =  | 0.170000002  |
| 3 2 2 2 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3   | 0.913999975  |
| 0 = 0= = 1  | 4.13999987   |
| target_Rte_Inst_Ap_EOTActuatorMng.EOTActuatorMng_Per1_AssistEOTDamping_   |  |
| target_Rte_Inst_Ap_EOTActuatorMng.EOTActuatorMng_Per1_AssistEOTGain_Uls_  |  |
| target Rte Inst Ap EOTActuatorMng.EOTActuatorMng Per1 AssistEOTLimit Mtr1   | ·  |
| target_Rte_Inst_Ap_EOTActuatorMng.EOTActuatorMng_Per1_CcwEOT_HwDeg_f3   |  |
| target_Rte_Inst_Ap_EOTActuatorMng.EOTActuatorMng_Per1_CcwFound_Cnt_Igc  | ·  |
| target_Rte_Inst_Ap_EOTActuatorMng.EOTActuatorMng_Per1_CwEOT_HwDeg_f32 target Rte Inst Ap_EOTActuatorMng.EOTActuatorMng_Per1_CwFound_Cnt_lgc     | <u> </u>   |
| · · · · · · · · · · · · · · · · ·   | · · · · · · · · · · · · · · · · · · ·                                    |
| target_Rte_Inst_Ap_EOTActuatorMng.EOTActuatorMng_Per1_EOTDisable_Cnt_lgc  |  |
| target_Rte_Inst_Ap_EOTActuatorMng.EOTActuatorMng_Per1_HandWheelAuth_Uls target Rte Inst Ap EOTActuatorMng.EOTActuatorMng Per1 HandWheelPos Hwl  |  |
| target Rte Inst Ap EOTActuatorMng.EOTActuatorMng Per1 HwTorque HwNm f   |  |
|   | 0 _ 0  |
| target Rte Inst Ap EOTActuatorMng.EOTActuatorMng Per1 MotorVel MtrRadpS target Rte Inst Ap EOTActuatorMng.EOTActuatorMng Per1 OutputRampMultLtd | _ · · · -  |
| target_inte_mat_Ap_LOTActuatoriving.LOTActuatoriving_ref_LOutputRampMultLtd_  | target_E0 TAGGatoriving_F 61 I_Output \arribivior(allipivior(Etd_Ois_132 |



| Test Step 2.13 (Repeat Count = 1)   |                                   |
|---|-----------------------------------|
| Name  | Input Value                       |
| EOTActuatorMng_Damping_MtrNm_M_f32  | 1.3999998                         |
| EOTActuatorMng_EOTImpactPos_HwDeg_M_f32   | 234.850006                        |
| EOTActuatorMng_FiltEOTGainSV_HwNm_M_u1p31   | 1181116006                        |
| EOTActuatorMng_FiltHWTrqSV_HwNm_M_s7p24   | 109051904                         |
| EOTActuatorMng_PrevEOTGain_Uls_M_f32  | 0.649999976                       |
| EOTActuatorMng_SESState_Uls_M_enum  | SES_NORMAL                        |
| Rte_Inst_Ap_EOTActuatorMng  | target_Rte_Inst_Ap_EOTActuatorMng |
| k_EOTActiveRegionBypassMaxThresh_Uls_f32  | 0.00899999961                     |
| k_EOTDefltPosition_HwDeg_u12p4  | 10656                             |
| k_EOTDeltaTrqThrsh_HwNm_u9p7  | 768                               |
| k_EOTDynConf_Uls_u8p8   | 0                                 |
| k_EOTEnterLPFKn_Cnt_u16   | 222                               |
| k_EOTENCHEN Keb. 110-7  | 1000<br>6912                      |
| k_EOTOriginallymagetandSoffEnd_Cat_log  | 0                                 |
| k_EOTOriginalImpactandSoftEnd_Cnt_lgc<br>k_EOTPosDepDempFinalSlew_MtrNmpS_T_f32             | 56.7900009                        |
| k_EOTStateHwTrqLPFKn_Cnt_u16  | 900                               |
| k_MaxRackTrvl_HwDeg_u12p4   | 1056                              |
| k_MinRackTrvl_HwDeg_u12p4   | 7152                              |
| k PosRampStep HwDeg u12p4   | 5840                              |
| k_SoftStopEOTEnable_Cnt_lgc   | 1                                 |
| k_SpdlptScale_MtrNmpRadpS_u4p12   | 85                                |
| t2_EOTEnterGainX_HwDeg_u12p4[0][0]  | 0                                 |
| t2_EOTEnterGainX_HwDeg_u12p4[0][1]  | 80                                |
| t2_EOTEnterGainX_HwDeg_u12p4[0][2]  | 160                               |
| t2_EOTEnterGainX_HwDeg_u12p4[0][3]  | 320                               |
| t2_EOTEnterGainX_HwDeg_u12p4[1][0]  | 672                               |
| t2_EOTEnterGainX_HwDeg_u12p4[1][1]  | 2000                              |
| t2_EOTEnterGainX_HwDeg_u12p4[1][2]  | 2016                              |
| t2_EOTEnterGainX_HwDeg_u12p4[1][3]  | 2032                              |
| t2_EOTEnterGainX_HwDeg_u12p4[2][0]  | 1312                              |
| t2_EOTEnterGainX_HwDeg_u12p4[2][1]  | 3920                              |
| t2_EOTEnterGainX_HwDeg_u12p4[2][2]  | 3936                              |
| t2_EOTEnterGainX_HwDeg_u12p4[2][3]  | 3952                              |
| t2_EOTEnterGainX_HwDeg_u12p4[3][0]  | 1952                              |
| t2_EOTEnterGainX_HwDeg_u12p4[3][1]  | 5840                              |
| t2_EOTEnterGainX_HwDeg_u12p4[3][2]<br>t2_EOTEnterGainX_HwDeg_u12p4[3][3]                    | 5856<br>5872                      |
| t2_EOTEnterGainY_nwbeg_u12p4[5][5]<br>t2_EOTEnterGainY_Uls_u1p15[0][0]                      | 8                                 |
| t2_EOTEnterGainY_Uls_u1p15[0][1]  | 9                                 |
| t2_EOTEnterGainY_Uls_u1p15[0][2]  | 118                               |
| t2_EOTEnterGainY_Uls_u1p15[0][3]  | 1144                              |
| t2_EOTEnterGainY_Uls_u1p15[1][0]  | 9                                 |
| t2_EOTEnterGainY_Uls_u1p15[1][1]  | 10                                |
| t2_EOTEnterGainY_Uls_u1p15[1][2]  | 147                               |
| t2_EOTEnterGainY_Uls_u1p15[1][3]  | 1429                              |
| t2_EOTEnterGainY_Uls_u1p15[2][0]  | 9                                 |
| t2_EOTEnterGainY_Uls_u1p15[2][1]  | 9                                 |
| t2_EOTEnterGainY_Uls_u1p15[2][2]  | 137                               |
| t2_EOTEnterGainY_Uls_u1p15[2][3]  | 1334                              |
| t2_EOTEnterGainY_Uls_u1p15[3][0]  | 10                                |
| t2_EOTEnterGainY_Uls_u1p15[3][1]  | 11                                |
| t2_EOTEnterGainY_Uls_u1p15[3][2]  | 196                               |
| t2_EOTEnterGainY_Uls_u1p15[3][3]  | 1904                              |
| t2_EOTExPosDepDmpTblY_MtrNmpRadps_u0p16[0][0]   | 183                               |
| t2_EOTExPosDepDmpTblY_MtrNmpRadps_u0p16[0][1]   | 259<br>259                        |
| t2_EOTExPosDepDmpTblY_MtrNmpRadps_u0p16[1][0] t2_EOTExPosDepDmpTblY_MtrNmpRadps_u0p16[1][1] | 366                               |
| t2_EOTEXPosDepDmpTblY_MtrNmpRadps_u0p16[2][0]   | 259                               |
| t2_EOTEXPosDepDmpTblY_MtrNmpRadps_u0p16[2][0]   | 366                               |
| t2_EOTExPosDepDmpTblY_MtrNmpRadps_u0p16[3][0]   | 213                               |
| t2_EOTExPosDepDmpTblY_MtrNmpRadps_u0p16[3][1]   | 302                               |
| t2_EOTPosDepDmpTbIX_HwDeg_u12p4[0][0]   | 832                               |
| t2_EOTPosDepDmpTbIX_HwDeg_u12p4[0][1]   | 1312                              |
| t2_EOTPosDepDmpTblX_HwDeg_u12p4[1][0]   | 832                               |
| t2_EOTPosDepDmpTblX_HwDeg_u12p4[1][1]   | 1216                              |
| t2_EOTPosDepDmpTblX_HwDeg_u12p4[2][0]   | 864                               |
| t2_EOTPosDepDmpTblX_HwDeg_u12p4[2][1]   | 4208                              |
|   |                                   |

2015-06-29, 18:31:27+0530



EOTActuatorMng\_Per1

| ·   |   |                            |        |
|---|---|----------------------------|--------|
| Name  | Input Value                             |                            |        |
| t2_EOTPosDepDmpTblX_HwDeg_u12p4[3][1]   | 736                                     |                            |        |
| t2_EOTPosDepDmpTblY_MtrNmpRadpS_u0p16[0][0]   | 26                                      |                            |        |
| t2_EOTPosDepDmpTblY_MtrNmpRadpS_u0p16[0][1]   | 183                                     |                            |        |
| t2_EOTPosDepDmpTblY_MtrNmpRadpS_u0p16[1][0]   | 319                                     |                            |        |
| t2_EOTPosDepDmpTblY_MtrNmpRadpS_u0p16[1][1]   | 452                                     |                            |        |
| t2_EOTPosDepDmpTblY_MtrNmpRadpS_u0p16[2][0]   | 243                                     |                            |        |
| t2_EOTPosDepDmpTblY_MtrNmpRadpS_u0p16[2][1]   | 345                                     |                            |        |
| t2_EOTPosDepDmpTblY_MtrNmpRadpS_u0p16[3][0]   | 549                                     |                            |        |
| t2_EOTPosDepDmpTblY_MtrNmpRadpS_u0p16[3][1]   | 849                                     |                            |        |
| t_EOTDmpVspd_Kph_u9p7[0]  | 5376                                    |                            |        |
| t_EOTDmpVspd_Kph_u9p7[1]  | 16000                                   |                            |        |
| t_EOTDmpVspd_Kph_u9p7[2]  | 16128                                   |                            |        |
| t_EOTDmpVspd_Kph_u9p7[3]  | 16256                                   |                            |        |
| t_EOTEnterGainVspd_Kph_u9p7[0]  | 5376                                    |                            |        |
| t_EOTEnterGainVspd_Kph_u9p7[1]  | 16000                                   |                            |        |
| t_EOTEnterGainVspd_Kph_u9p7[2]  | 16128                                   |                            |        |
| t_EOTEnterGainVspd_Kph_u9p7[3]  | 16256                                   |                            |        |
| t_SpdlptTblXTbl_HwDeg_u12p4[0]  | 32                                      |                            |        |
| t_SpdlptTblXTbl_HwDeg_u12p4[1]  | 416                                     |                            |        |
| t_SpdIptTbIYTbI_MtrRadpS_u12p4[0]   | 352                                     |                            |        |
| t_SpdlptTblYTbl_MtrRadpS_u12p4[1]   | 736                                     |                            |        |
| t_TrqTableX_HwNm_u8p8[0]  | 1024                                    |                            |        |
| t_TrqTableX_HwNm_u8p8[1]  | 2304                                    |                            |        |
| t_TrqTblY_Uls_u2p14[0]  | 131                                     |                            |        |
| t_TrqTblY_Uls_u2p14[1]  | 213                                     |                            |        |
| target_EOTActuatorMng_Per1_CcwEOT_HwDeg_f32.value   | -1000.03998                             |                            |        |
| target_EOTActuatorMng_Per1_CcwFound_Cnt_lgc.value   | 1                                       |                            |        |
| target_EOTActuatorMng_Per1_CwEOT_HwDeg_f32.value  | 400.187012                              |                            |        |
| target_EOTActuatorMng_Per1_CwFound_Cnt_lgc.value  | 1                                       |                            |        |
| target_EOTActuatorMng_Per1_EOTDisable_Cnt_lgc.value   | 0                                       |                            |        |
| target_EOTActuatorMng_Per1_HandWheelAuth_Uls_f32.value  | 0.889999986                             |                            |        |
| target_EOTActuatorMng_Per1_HandWheelPos_HwDeg_f32.value   | 200.149994                              |                            |        |
| target_EOTActuatorMng_Per1_HwTorque_HwNm_f32.value  | -7.80000019                             |                            |        |
| target_EOTActuatorMng_Per1_MotorVel_MtrRadpS_f32.value  | 0.219999999                             |                            |        |
| target_EOTActuatorMng_Per1_OutputRampMultLtd_Uls_f32.value  | 0.419999987                             |                            |        |
| target_EOTActuatorMng_Per1_VehicleSpeed_Kph_f32.value   | 5.1500001                               |                            |        |
| target_Rte_Inst_Ap_EOTActuatorMng.EOTActuatorMng_Per1_AssistEOTDamping_                                       | target_EOTActuatorMng_Per1_AssistEOTDa  | amping_MtrNm_f32           |        |
| target_Rte_Inst_Ap_EOTActuatorMng.EOTActuatorMng_Per1_AssistEOTGain_UIs_                                      | target_EOTActuatorMng_Per1_AssistEOTG   | ain_Uls_f32                |        |
| target_Rte_Inst_Ap_EOTActuatorMng.EOTActuatorMng_Per1_AssistEOTLimit_Mtr1                                     | target_EOTActuatorMng_Per1_AssistEOTLi  | mit_MtrNm_f32              |        |
| target_Rte_Inst_Ap_EOTActuatorMng.EOTActuatorMng_Per1_CcwEOT_HwDeg_f3   | target_EOTActuatorMng_Per1_CcwEOT_Hv    | vDeg_f32                   |        |
| target_Rte_Inst_Ap_EOTActuatorMng.EOTActuatorMng_Per1_CcwFound_Cnt_Igc  | target EOTActuatorMng Per1 CcwFound (   | Cnt Igc                    |        |
| target Rte Inst Ap EOTActuatorMng.EOTActuatorMng Per1 CwEOT HwDeg f32   | target EOTActuatorMng Per1 CwEOT Hw     | Deg f32                    |        |
| target_Rte_Inst_Ap_EOTActuatorMng.EOTActuatorMng_Per1_CwFound_Cnt_lgc   | target_EOTActuatorMng_Per1_CwFound_C    |                            |        |
| target_Rte_Inst_Ap_EOTActuatorMng.EOTActuatorMng_Per1_EOTDisable_Cnt_Igo                                      | , |                            |        |
| target_Rte_Inst_Ap_EOTActuatorMng.EOTActuatorMng_Per1_HandWheelAuth_Uls                                       |   |                            |        |
| target_Rte_Inst_Ap_EOTActuatorMng.EOTActuatorMng_Per1_HandWheelPos_Hwl  |   |                            |        |
| target_Rte_Inst_Ap_EOTActuatorMng.EOTActuatorMng_Per1_HwTorque_HwNm_f   |   |                            |        |
| target_Rte_Inst_Ap_EOTActuatorMng.EOTActuatorMng_Per1_MotorVel_MtrRadpS                                       |   | _                          |        |
| target_Rte_Inst_Ap_EOTActuatorMng.EOTActuatorMng_Per1_OutputRampMultLtd                                       |   |                            |        |
| target_Rte_Inst_Ap_EOTActuatorMng.EOTActuatorMng_Per1_VehicleSpeed_Kph_                                       |   |                            |        |
| Name  | Actual Value                            | Expected Value             | Result |
| EOTActuatorMng_Damping_MtrNm_M_f32  | 1.28641999                              | 1.28641999 ± 0.0000390625  | result |
| EOTActuatorMng_EOTImpactPos_HwDeg_M_f32   | 234.850006                              | 234.850006 ± 0.0000390625  | •      |
| EOTActuatorMng_FiltEOTGainSV_HwNm_M_u1p31   | 1177369090                              | 1177369090 ± 1             | 9      |
| EOTActuatorMng_FiltHWTrqSV_HwNm_M_s7p24   | 105757904                               | 105757904 ± 1              |        |
| EOTActuatorMng_OutputRampMultLtd_M_f32  | 0.419999987                             | 0.419999987 ± 0.00390625   |        |
| EOTActuatorMng PrevEOTGain Uls M f32  | 0.548248291                             | 0.548248291 ± 0.0625       |        |
| EOTActuatorMng SESState Uls M enum  | SES_NORMAL                              | SES NORMAL                 |        |
| target_EOTActuatorMng_Per1_AssistEOTDamping_MtrNm_f32.value   | 1.28641999                              | 1.28641999 ± 0.00048828125 |        |
| target_EOTActuatorMng_Per1_AssistEOTGain_Uls_f32.value target_EOTActuatorMng_Per1_AssistEOTGain_Uls_f32.value | 0.548248291                             | 0.548248291 ± 0.0000390625 |        |
|   |   |                            |        |

8.80000019

 $target\_EOTActuatorMng\_Per1\_AssistEOTLimit\_MtrNm\_f32.value$ 

8.80000019 ± 0.00048828125



| T  |       |  |       | V        |
|--|-------|--|-------|----------|
| Actual Function                                    | Count | Expected Function                                  | Count | Result   |
| Rte_Call_EOTActuatorMng_Per1_CP0_CheckpointReached | 1     | Rte_Call_EOTActuatorMng_Per1_CP0_CheckpointReached | 1     | ~        |
| EOTDetermination                                   | 1     | EOTDetermination                                   | 1     | ~        |
| SES_DetLmtPos                                      | 1     | SES_DetLmtPos                                      | 1     | ~        |
| SES_CalcExitGain                                   | 1     | SES_CalcExitGain                                   | 1     | ~        |
| IntplVarXY_u16_u16Xu16Y_Cnt                        | 1     | IntplVarXY_u16_u16Xu16Y_Cnt                        | 1     | ~        |
| SES_CalcEnterGain                                  | 1     | SES_CalcEnterGain                                  | 1     | <b>✓</b> |
| BilinearXMYM_u16_u16XMu16YM_Cnt                    | 1     | BilinearXMYM_u16_u16XMu16YM_Cnt                    | 1     | ~        |
| SES_CalcEOTGain                                    | 1     | SES_CalcEOTGain                                    | 1     | <b>✓</b> |
| SES_FiltEOTGain                                    | 1     | SES_FiltEOTGain                                    | 1     | ~        |
| SES_CalcEOTDamp                                    | 1     | SES_CalcEOTDamp                                    | 1     | ~        |
| BilinearXMYM_u16_u16XMu16YM_Cnt                    | 1     | BilinearXMYM_u16_u16XMu16YM_Cnt                    | 1     | ~        |
| SES_StateCtrl                                      | 1     | SES_StateCtrl                                      | 1     | <b>✓</b> |
| IntplVarXY_u16_u16Xu16Y_Cnt                        | 2     | IntplVarXY_u16_u16Xu16Y_Cnt                        | 2     | ~        |
| Rte_Call_EOTActuatorMng_Per1_CP1_CheckpointReached | 1     | Rte_Call_EOTActuatorMng_Per1_CP1_CheckpointReached | 1     | <b>✓</b> |

| Imput Value                       |
|-----------------------------------|
| Input Value                       |
| 1.6000002                         |
| 355.609985                        |
| 966367642                         |
| -92274688                         |
| 0.540000021                       |
| SES_ENTERING                      |
| target_Rte_Inst_Ap_EOTActuatorMng |
| 0.395999998                       |
| 12432                             |
| 640                               |
| 35840                             |
| 333                               |
| 6565                              |
| 7040                              |
| 1                                 |
| 60.8400002                        |
| 800                               |
| 7616                              |
| 10176                             |
| 12384                             |
| 1                                 |
| 85                                |
| 160                               |
| 352                               |
| 480                               |
| 704                               |
| 688                               |
| 2048                              |
| 2064                              |
| 2080                              |
| 1328                              |
| 3968                              |
| 3984                              |
| 4000                              |
| 1968                              |
| 5888                              |
| 5904                              |
| 5920                              |
| 8                                 |
| 9                                 |
| 127                               |
| 1239                              |
| 9                                 |
| 10                                |
| 157                               |
| 157                               |
| 9                                 |
|                                   |
| 10                                |
| 147                               |
| 1429                              |
|                                   |

2015-06-29, 18:31:27+0530



EOTActuatorMng\_Per1

| •   |                                       |  |        |
|---|---------------------------------------|--|--------|
| Name  | Input Value                           |  |        |
| t2_EOTEnterGainY_Uls_u1p15[3][1]  | 11                                    |  |        |
| t2_EOTEnterGainY_Uls_u1p15[3][2]  | 206                                   |  |        |
| t2_EOTEnterGainY_Uls_u1p15[3][3]  | 1999                                  |  |        |
| t2_EOTExPosDepDmpTblY_MtrNmpRadps_u0p16[0][0] t2_EOTExPosDepDmpTblY_MtrNmpRadps_u0p16[0][1]   | 198<br>280                            |  |        |
| t2 EOTEXPosDepDmpTblY MtrNmpRadps_uop10[0][1]   | 274                                   |  |        |
| t2_EOTEXPosDepDmpTblY_MtrNmpRadps_u0p16[1][0]   | 388                                   |  |        |
| t2_EOTExPosDepDmpTblY_MtrNmpRadps_u0p16[2][0]   | 274                                   |  |        |
| t2_EOTExPosDepDmpTblY_MtrNmpRadps_u0p16[2][1]   | 388                                   |  |        |
| t2_EOTExPosDepDmpTblY_MtrNmpRadps_u0p16[3][0]   | 228                                   |  |        |
| t2_EOTExPosDepDmpTblY_MtrNmpRadps_u0p16[3][1]   | 323                                   |  |        |
| t2_EOTPosDepDmpTblX_HwDeg_u12p4[0][0]   | 864                                   |  |        |
| t2_EOTPosDepDmpTblX_HwDeg_u12p4[0][1]   | 1328                                  |  |        |
| t2_EOTPosDepDmpTbIX_HwDeg_u12p4[1][0]   | 848                                   |  |        |
| t2_EOTPosDepDmpTbIX_HwDeg_u12p4[1][1]   | 1232                                  |  |        |
| t2_EOTPosDepDmpTblX_HwDeg_u12p4[2][0]   | 896                                   |  |        |
| t2_EOTPosDepDmpTblX_HwDeg_u12p4[2][1]   | 4224                                  |  |        |
| t2_EOTPosDepDmpTblX_HwDeg_u12p4[3][0]   | 368                                   |  |        |
| t2_EOTPosDepDmpTblX_HwDeg_u12p4[3][1]   | 752                                   |  |        |
| t2_EOTPosDepDmpTblY_MtrNmpRadpS_u0p16[0][0]   | 198                                   |  |        |
| t2_EOTPosDepDmpTblY_MtrNmpRadpS_u0p16[0][1] t2_EOTPosDepDmpTblY_MtrNmpRadpS_u0p16[1][0]   | 334                                   |  |        |
| t2_EOTPosDepDrinpTbit_MitNinpRadpS_u0p16[1][0] t2_EOTPosDepDrinpTbit_MtrNmpRadpS_u0p16[1][1]  | 474                                   |  |        |
| t2_EOTPosDepDmpTblY_MtrNmpRadpS_u0p16[2][0]   | 259                                   |  |        |
| t2_EOTPosDepDmpTblY_MtrNmpRadpS_u0p16[2][1]   | 366                                   |  |        |
| t2_EOTPosDepDmpTblY_MtrNmpRadpS_u0p16[3][0]   | 86                                    |  |        |
| t2_EOTPosDepDmpTblY_MtrNmpRadpS_u0p16[3][1]   | 571                                   |  |        |
| t_EOTDmpVspd_Kph_u9p7[0]  | 5504                                  |  |        |
| t_EOTDmpVspd_Kph_u9p7[1]  | 16384                                 |  |        |
| t_EOTDmpVspd_Kph_u9p7[2]  | 16512                                 |  |        |
| t_EOTDmpVspd_Kph_u9p7[3]  | 16640                                 |  |        |
| t_EOTEnterGainVspd_Kph_u9p7[0]  | 5504                                  |  |        |
| t_EOTEnterGainVspd_Kph_u9p7[1]  | 16384                                 |  |        |
| t_EOTEnterGainVspd_Kph_u9p7[2]  | 16512                                 |  |        |
| t_EOTEnterGainVspd_Kph_u9p7[3]  | 16640                                 |  |        |
| t_SpdIptTbIXTbI_HwDeg_u12p4[0]  | 16                                    |  |        |
| t_SpdlptTblXTbl_HwDeg_u12p4[1]  | 432<br>368                            |  |        |
| t_SpdlptTblYTbl_MtrRadpS_u12p4[0]<br>t_SpdlptTblYTbl_MtrRadpS_u12p4[1]  | 752                                   |  |        |
| t_TrqTableX_HwNm_u8p8[0]  | 1536                                  |  |        |
| t_TrqTableX_HwNm_u8p8[1]  | 2048                                  |  |        |
| t_TrqTblY_Uls_u2p14[0]  | 147                                   |  |        |
| t_TrqTblY_Uls_u2p14[1]  | 229                                   |  |        |
| target_EOTActuatorMng_Per1_CcwEOT_HwDeg_f32.value   | -1100.01001                           |  |        |
| target_EOTActuatorMng_Per1_CcwFound_Cnt_lgc.value   | 0                                     |  |        |
| target_EOTActuatorMng_Per1_CwEOT_HwDeg_f32.value  | 445.941986                            |  |        |
| target_EOTActuatorMng_Per1_CwFound_Cnt_lgc.value  | 0                                     |  |        |
| target_EOTActuatorMng_Per1_EOTDisable_Cnt_lgc.value   | 1                                     |  |        |
| target_EOTActuatorMng_Per1_HandWheelAuth_Uls_f32.value  | 0.69999988                            |  |        |
| target_EOTActuatorMng_Per1_HandWheelPos_HwDeg_f32.value   | -100.889999                           |  |        |
| target_EOTActuatorMng_Per1_HwTorque_HwNm_f32.value  | 8.89999962                            |  |        |
| target_EOTActuatorMng_Per1_MotorVel_MtrRadpS_f32.value  | -0.239999995<br>0.129999995           |  |        |
| target_EOTActuatorMng_Per1_OutputRampMultLtd_Uls_f32.value<br>target_EOTActuatorMng_Per1_VehicleSpeed_Kph_f32.value   | 6.15999985                            |  |        |
| target Rte Inst Ap EOTActuatorMng.EOTActuatorMng Per1 AssistEOTDamping  |                                       | amping MtrNm f32                           |        |
| target_Rte_Inst_Ap_EOTActuatorMng.EOTActuatorMng_Per1_AssistEOTGain_Uls_  | · - · - ·                             |  |        |
| target_Rte_Inst_Ap_EOTActuatorMng.EOTActuatorMng_Per1_AssistEOTLimit_Mtr1   |                                       |  |        |
| target_Rte_Inst_Ap_EOTActuatorMng.EOTActuatorMng_Per1_CcwEOT_HwDeg_f3   |                                       |  |        |
| target_Rte_Inst_Ap_EOTActuatorMng.EOTActuatorMng_Per1_CcwFound_Cnt_Igc  | target_EOTActuatorMng_Per1_CcwFound_C |  |        |
| target Rte Inst Ap EOTActuatorMng.EOTActuatorMng Per1 CwEOT HwDeg f32   | 3                                     |  |        |
| $target\_Rte\_Inst\_Ap\_EOTActuatorMng.EOTActuatorMng\_Per1\_CwFound\_Cnt\_lgc$   | target_EOTActuatorMng_Per1_CwFound_Cr | nt_lgc                                     |        |
| $target\_Rte\_Inst\_Ap\_EOTActuatorMng.EOTActuatorMng\_Per1\_EOTDisable\_Cnt\_lgeneration and the property of the pro$  |                                       |  |        |
| $target\_Rte\_Inst\_Ap\_EOTActuatorMng.EOTActuatorMng\_Per1\_HandWheelAuth\_Ulstarget\_Rte\_Inst\_Ap\_EOTActuatorMng.EOTActuatorMng\_Per1\_HandWheelAuth\_Ulstarget\_Rte\_Inst\_Ap\_EOTActuatorMng.EOTActuatorMng\_Per1\_HandWheelAuth\_Ulstarget\_Rte\_Inst\_Ap\_EOTActuatorMng.EOTActuatorMng\_Per1\_HandWheelAuth\_Ulstarget\_Rte\_Inst\_Ap\_EOTActuatorMng.Per1\_HandWheelAuth\_Ulstarget\_Rte\_Inst\_Ap\_EOTActuatorMng.Per1\_HandWheelAuth\_Ulstarget\_Rte\_Inst\_Ap\_EOTActuatorMng.Per1\_HandWheelAuth\_Ulstarget\_Rte\_Inst\_Ap\_EOTActuatorMng.Per1\_HandWheelAuth\_Ulstarget\_Rte\_Inst\_Ap\_EOTActuatorMng.Per1\_HandWheelAuth\_Ulstarget\_Rte\_InstAp\_EOTActuatorMng.Per1\_HandWheelAuth\_Ulstarget\_Rte\_InstAp\_EOTActuatorMng.Per1\_HandWheelAuth\_Ulstarget\_Rte\_InstAp\_EOTActuatorMng.Per1\_HandWheelAuth\_Ulstarget\_Rte\_InstAp\_EOTActuatorMng.Per1\_HandWheelAuth\_Rte\_InstAp\_EOTActuatorMng.Per1\_HandWheelAuth\_Rte\_InstAp\_EOTActuatorMng.Per1\_HandWheelAuth_Rte$ |                                       |  |        |
| target_Rte_Inst_Ap_EOTActuatorMng.EOTActuatorMng_Per1_HandWheelPos_Hwl  |                                       |  |        |
| target_Rte_Inst_Ap_EOTActuatorMng.EOTActuatorMng_Per1_HwTorque_HwNm_f   | · · · · · · · · · · · · · · · · · · · | _  |        |
| target_Rte_Inst_Ap_EOTActuatorMng.EOTActuatorMng_Per1_MotorVel_MtrRadpS   |                                       |  |        |
| target_Rte_Inst_Ap_EOTActuatorMng.EOTActuatorMng_Per1_OutputRampMultLtd_  |                                       |  |        |
| target_Rte_Inst_Ap_EOTActuatorMng.EOTActuatorMng_Per1_VehicleSpeed_Kph_   |                                       |  | D      |
| Name  | Actual Value                          | Expected Value                             | Result |
| EOTActuatorMng_Damping_MtrNm_M_f32  | 1.47832                               | 1.47832 ± 0.0000390625                     | •      |
| EOTActuatorMng_EOTImpactPos_HwDeg_M_f32 EOTActuatorMng_FiltEOTGainSV_HwNm_M_u1p31   | 355.609985<br>961870144               | 355.609985 ± 0.0000390625<br>961870144 ± 1 |        |
| EOTActuatorMng_rittLOTGSIIISV_riWMin_M_crp51  | -92970688                             | -92970688 ± 1                              | 9      |

-92970688

-92970688 ± 1

2015-06-29, 18:31:27+0530



| Name  | Actual Value | Expected Value             | Result   |
|---|--------------|----------------------------|----------|
| EOTActuatorMng_OutputRampMultLtd_M_f32                      | 0.129999995  | 0.129999995 ± 0.00390625   | ~        |
| EOTActuatorMng_PrevEOTGain_Uls_M_f32                        | 0.447875977  | 0.447875977 ± 0.0625       | <b>✓</b> |
| EOTActuatorMng_SESState_Uls_M_enum                          | SES_DISABLED | SES_DISABLED               | •        |
| target_EOTActuatorMng_Per1_AssistEOTDamping_MtrNm_f32.value | 1.47832      | 1.47832 ± 0.00048828125    | <b>✓</b> |
| target_EOTActuatorMng_Per1_AssistEOTGain_Uls_f32.value      | 0.447875977  | 0.447875977 ± 0.0000390625 | •        |
| target_EOTActuatorMng_Per1_AssistEOTLimit_MtrNm_f32.value   | 8.80000019   | 8.80000019 ± 0.00048828125 | <b>✓</b> |

| T  |       |  |       | V        |
|--|-------|--|-------|----------|
| Actual Function                                    | Count | Expected Function                                  | Count | Result   |
| Rte_Call_EOTActuatorMng_Per1_CP0_CheckpointReached | 1     | Rte_Call_EOTActuatorMng_Per1_CP0_CheckpointReached | 1     | ~        |
| EOTDetermination                                   | 1     | EOTDetermination                                   | 1     | <b>~</b> |
| SES_DetLmtPos                                      | 1     | SES_DetLmtPos                                      | 1     | <b>~</b> |
| SES_CalcExitGain                                   | 1     | SES_CalcExitGain                                   | 1     | <b>~</b> |
| IntplVarXY_u16_u16Xu16Y_Cnt                        | 1     | IntplVarXY_u16_u16Xu16Y_Cnt                        | 1     | ~        |
| SES_CalcEnterGain                                  | 1     | SES_CalcEnterGain                                  | 1     | •        |
| BilinearXMYM_u16_u16XMu16YM_Cnt                    | 1     | BilinearXMYM_u16_u16XMu16YM_Cnt                    | 1     | ~        |
| SES_CalcEOTGain                                    | 1     | SES_CalcEOTGain                                    | 1     | •        |
| SES_FiltEOTGain                                    | 1     | SES_FiltEOTGain                                    | 1     | ~        |
| SES_CalcEOTDamp                                    | 1     | SES_CalcEOTDamp                                    | 1     | -        |
| BilinearXMYM_u16_u16XMu16YM_Cnt                    | 1     | BilinearXMYM_u16_u16XMu16YM_Cnt                    | 1     | -        |
| SES_StateCtrl                                      | 1     | SES_StateCtrl                                      | 1     | ~        |
| Rte_Call_EOTActuatorMng_Per1_CP1_CheckpointReached | 1     | Rte_Call_EOTActuatorMng_Per1_CP1_CheckpointReached | 1     | ~        |

| Test Step 2.15 (Repeat Count = 1)         | and the second s |
|---|--|
| Name                                      | Input Value  |
| EOTActuatorMng_Damping_MtrNm_M_f32        | 1.7999995  |
| EOTActuatorMng_EOTImpactPos_HwDeg_M_f32   | 976.640015   |
| EOTActuatorMng_FiltEOTGainSV_HwNm_M_u1p31 | 751619277  |
| EOTActuatorMng_FiltHWTrqSV_HwNm_M_s7p24   | 92274688   |
| EOTActuatorMng_PrevEOTGain_Uls_M_f32      | 0.319999993  |
| EOTActuatorMng_SESState_Uls_M_enum        | SES_NORMAL   |
| Rte_Inst_Ap_EOTActuatorMng                | target_Rte_Inst_Ap_EOTActuatorMng  |
| k_EOTActiveRegionBypassMaxThresh_Uls_f32  | 0.331  |
| k_EOTDefltPosition_HwDeg_u12p4            | 12928  |
| k_EOTDeltaTrqThrsh_HwNm_u9p7              | 512  |
| k_EOTDynConf_Uls_u8p8                     | 38400  |
| k_EOTEnterLPFKn_Cnt_u16                   | 444  |
| k_EOTExitLPFKn_Cnt_u16                    | 4533   |
| k_EOTImpSpdEn_Kph_u9p7                    | 7168   |
| k_EOTOriginalImpactandSoftEnd_Cnt_lgc     | 0  |
| k_EOTPosDepDempFinalSlew_MtrNmpS_T_f32    | 64.8899994   |
| k_EOTStateHwTrqLPFKn_Cnt_u16              | 700  |
| k_MaxRackTrvl_HwDeg_u12p4                 | 19552  |
| k_MinRackTrvl_HwDeg_u12p4                 | 880  |
| k_PosRampStep_HwDeg_u12p4                 | 10288  |
| k_SoftStopEOTEnable_Cnt_lgc               | 0  |
| k_SpdIptScale_MtrNmpRadpS_u4p12           | 86   |
| t2_EOTEnterGainX_HwDeg_u12p4[0][0]        | 800  |
| t2_EOTEnterGainX_HwDeg_u12p4[0][1]        | 960  |
| t2_EOTEnterGainX_HwDeg_u12p4[0][2]        | 1120   |
| t2_EOTEnterGainX_HwDeg_u12p4[0][3]        | 1280   |
| t2_EOTEnterGainX_HwDeg_u12p4[1][0]        | 704  |
| t2_EOTEnterGainX_HwDeg_u12p4[1][1]        | 2096   |
| t2_EOTEnterGainX_HwDeg_u12p4[1][2]        | 2112   |
| t2_EOTEnterGainX_HwDeg_u12p4[1][3]        | 2128   |
| t2_EOTEnterGainX_HwDeg_u12p4[2][0]        | 1344   |
| t2_EOTEnterGainX_HwDeg_u12p4[2][1]        | 4016   |
| t2_EOTEnterGainX_HwDeg_u12p4[2][2]        | 4032   |
| t2_EOTEnterGainX_HwDeg_u12p4[2][3]        | 4048   |
| t2_EOTEnterGainX_HwDeg_u12p4[3][0]        | 1984   |
| t2_EOTEnterGainX_HwDeg_u12p4[3][1]        | 5936   |
| t2_EOTEnterGainX_HwDeg_u12p4[3][2]        | 5952   |
| t2_EOTEnterGainX_HwDeg_u12p4[3][3]        | 5968   |
| t2_EOTEnterGainY_Uls_u1p15[0][0]          | 9  |
| t2_EOTEnterGainY_Uls_u1p15[0][1]          | 9  |
| t2_EOTEnterGainY_Uls_u1p15[0][2]          | 137  |
| t2_EOTEnterGainY_Uls_u1p15[0][3]          | 1334   |
| t2_EOTEnterGainY_Uls_u1p15[1][0]          | 10   |
| t2_EOTEnterGainY_Uls_u1p15[1][1]          | 10   |
| t2_EOTEnterGainY_Uls_u1p15[1][2]          | 167  |

2015-06-29, 18:31:27+0530



| Name  | Input Value  |
|---|--|
| t2_EOTEnterGainY_Uls_u1p15[1][3]  | 1619   |
| t2_EOTEnterGainY_Uls_u1p15[2][0]  | 9  |
| t2_EOTEnterGainY_Uls_u1p15[2][1]  | 10   |
| t2_EOTEnterGainY_Uls_u1p15[2][2]  | 157  |
| t2_EOTEnterGainY_Uls_u1p15[2][3]  | 1524   |
| t2_EOTEnterGainY_Uls_u1p15[3][0]  | 11   |
| t2_EOTEnterGainY_Uls_u1p15[3][1]  | 12   |
| t2_EOTEnterGainY_Uls_u1p15[3][2]  | 216  |
| t2_EOTEnterGainY_Uls_u1p15[3][3]  | 2094   |
|   | 213  |
| t2_EOTExPosDepDmpTblY_MtrNmpRadps_u0p16[0][1]   | 302  |
| t2_EOTExPosDepDmpTblY_MtrNmpRadps_u0p16[1][0]   | 289  |
| t2_EOTExPosDepDmpTblY_MtrNmpRadps_u0p16[1][1]   | 409  |
| t2_EOTExPosDepDmpTbIY_MtrNmpRadps_u0p16[2][0]<br>t2_EOTExPosDepDmpTbIY_MtrNmpRadps_u0p16[2][1]  | 289<br>409   |
| t2_EOTEXPosDepDmpTblY_MtrNmpRadps_u0p16[3][0]   | 243  |
| t2_EOTExPosDepDmpTblY_MtrNmpRadps_u0p16[3][1]   | 345  |
| t2_EOTPosDepDmpTblX_HwDeg_u12p4[0][0]   | 896  |
| t2_EOTPosDepDmpTblX_HwDeg_u12p4[0][1]   | 1344   |
| t2 EOTPosDepDmpTblX HwDeg u12p4[1][0]   | 864  |
| t2_EOTPosDepDmpTblX_HwDeg_u12p4[1][1]   | 1248   |
| t2_EOTPosDepDmpTblX_HwDeg_u12p4[2][0]   | 928  |
| t2_EOTPosDepDmpTblX_HwDeg_u12p4[2][1]   | 4240   |
| t2_EOTPosDepDmpTblX_HwDeg_u12p4[3][0]   | 384  |
| t2_EOTPosDepDmpTblX_HwDeg_u12p4[3][1]   | 768  |
| t2_EOTPosDepDmpTblY_MtrNmpRadpS_u0p16[0][0]   | 30   |
| t2_EOTPosDepDmpTblY_MtrNmpRadpS_u0p16[0][1]   | 213  |
| t2_EOTPosDepDmpTblY_MtrNmpRadpS_u0p16[1][0]   | 349  |
| t2_EOTPosDepDmpTblY_MtrNmpRadpS_u0p16[1][1]   | 495  |
|   | 274  |
| t2_EOTPosDepDmpTblY_MtrNmpRadpS_u0p16[2][1]   | 388  |
| t2_EOTPosDepDmpTblY_MtrNmpRadpS_u0p16[3][0]   | 88   |
| t2_EOTPosDepDmpTblY_MtrNmpRadpS_u0p16[3][1]   | 592  |
| t_EOTDmpVspd_Kph_u9p7[0]  | 5632   |
| t_EOTDmpVspd_Kph_u9p7[1]  | 16768<br>16896   |
| t_EOTDmpVspd_Kph_u9p7[2]<br>t_EOTDmpVspd_Kph_u9p7[3]  | 17024  |
| t_EOTEnterGainVspd_Kph_u9p7[0]  | 5632   |
| t_EOTEnterGainVspd_Kph_u9p7[1]  | 16768  |
| t_EOTEnterGainVspd_Kph_u9p7[2]  | 16896  |
| t_EOTEnterGainVspd_Kph_u9p7[3]  | 17024  |
| t SpdlptTblXTbl HwDeg u12p4[0]  | 0  |
| t_SpdlptTblXTbl_HwDeg_u12p4[1]  | 448  |
| t_SpdlptTblYTbl_MtrRadpS_u12p4[0]   | 384  |
| t_SpdlptTblYTbl_MtrRadpS_u12p4[1]   | 768  |
| t_TrqTableX_HwNm_u8p8[0]  | 1280   |
| t_TrqTableX_HwNm_u8p8[1]  | 1792   |
| t_TrqTblY_Uls_u2p14[0]  | 246  |
| t_TrqTbIY_Uls_u2p14[1]  | 262  |
| target_EOTActuatorMng_Per1_CcwEOT_HwDeg_f32.value   | -1100.04004  |
| target_EOTActuatorMng_Per1_CcwFound_Cnt_lgc.value   | 1  |
| target_EOTActuatorMng_Per1_CwEOT_HwDeg_f32.value  | 500.375  |
| target_EOTActuatorMng_Per1_CwFound_Cnt_lgc.value  | 1  |
| <u> </u>  | 0  |
| target_EOTActuatorMng_Per1_HandWheelAuth_Uls_f32.value  | 0.89999976   |
| target_EOTActuatorMng_Per1_HandWheelPos_HwDeg_f32.value   | 100.480003   |
| target_EOTActuatorMng_Per1_HwTorque_HwNm_f32.value  | -8.01000023  |
| target_EOTActuatorMng_Per1_MotorVel_MtrRadpS_f32.value  | 0.25999999   |
| target_EOTActuatorMng_Per1_OutputRampMultLtd_UIs_f32.value target EOTActuatorMng_Per1_VehicleSpeed_Kph_f32.value  | 0.214000002<br>7.17000008  |
| · · · · · · · · · · · · · · · · · · ·   | 7.17000008 target_EOTActuatorMng_Per1_AssistEOTDamping_MtrNm_f32   |
| target_Rte_Inst_Ap_EOTActuatorMng.EOTActuatorMng_Per1_AssistEOTGain_Uls_  |  |
| target Rte Inst Ap EOTActuatorMng.EOTActuatorMng Per1 AssistEOTLimit Mtr1   |  |
| target_Rte_Inst_Ap_EOTActuatorMng.EOTActuatorMng_Per1_CcwEOT_HwDeg_f3   |  |
|   | target_EOTActuatorMng_Per1_CcwFound_Cnt_lgc  |
| target_Rte_Inst_Ap_EOTActuatorMng.EOTActuatorMng_Per1_CcwFound_Cnt_lgc  |  |
| target_Rte_Inst_Ap_EOTActuatorMng.EOTActuatorMng_Per1_CcwFound_Cnt_Igc target_Rte_Inst_Ap_EOTActuatorMng.EOTActuatorMng_Per1_CwEOT_HwDeg_f32  | target_EOTActuatorMng_Per1_CwEOT_HwDeg_f32   |
| ·   | target_EOTActuatorMng_Per1_CwEOT_HwDeg_f32 target_EOTActuatorMng_Per1_CwFound_Cnt_lgc  |
| target_Rte_Inst_Ap_EOTActuatorMng.EOTActuatorMng_Per1_CwEOT_HwDeg_f32   | target_EOTActuatorMng_Per1_CwFound_Cnt_lgc   |
| $target\_Rte\_Inst\_Ap\_EOTActuatorMng.EOTActuatorMng\_Per1\_CwEOT\_HwDeg\_f32\\ target\_Rte\_Inst\_Ap\_EOTActuatorMng.EOTActuatorMng\_Per1\_CwFound\_Cnt\_Igc$   | target_EOTActuatorMng_Per1_CwFound_Cnt_lgc target_EOTActuatorMng_Per1_EOTDisable_Cnt_lgc   |
| target_Rte_Inst_Ap_EOTActuatorMng.EOTActuatorMng_Per1_CwEOT_HwDeg_f32 target_Rte_Inst_Ap_EOTActuatorMng.EOTActuatorMng_Per1_CwFound_Cnt_Igc target_Rte_Inst_Ap_EOTActuatorMng.EOTActuatorMng_Per1_EOTDisable_Cnt_Igc  | target_EOTActuatorMng_Per1_CwFound_Cnt_lgc target_EOTActuatorMng_Per1_EOTDisable_Cnt_lgc target_EOTActuatorMng_Per1_HandWheelAuth_Uls_f32  |
| target_Rte_Inst_Ap_EOTActuatorMng.EOTActuatorMng_Per1_CwEOT_HwDeg_f32 target_Rte_Inst_Ap_EOTActuatorMng.EOTActuatorMng_Per1_CwFound_Cnt_Igc target_Rte_Inst_Ap_EOTActuatorMng.EOTActuatorMng_Per1_EOTDisable_Cnt_Igc target_Rte_Inst_Ap_EOTActuatorMng.EOTActuatorMng_Per1_HandWheelAuth_Uls  | target_EOTActuatorMng_Per1_CwFound_Cnt_lgc target_EOTActuatorMng_Per1_EOTDisable_Cnt_lgc target_EOTActuatorMng_Per1_HandWheelAuth_Uls_f32 target_EOTActuatorMng_Per1_HandWheelPos_HwDeg_f32  |
| target_Rte_Inst_Ap_EOTActuatorMng.EOTActuatorMng_Per1_CwEOT_HwDeg_f32 target_Rte_Inst_Ap_EOTActuatorMng.EOTActuatorMng_Per1_CwFound_Cnt_Igc target_Rte_Inst_Ap_EOTActuatorMng.EOTActuatorMng_Per1_EOTDisable_Cnt_Igc target_Rte_Inst_Ap_EOTActuatorMng.EOTActuatorMng_Per1_HandWheelAuth_Uls target_Rte_Inst_Ap_EOTActuatorMng.EOTActuatorMng_Per1_HandWheelPos_Hwl | target_EOTActuatorMng_Per1_CwFound_Cnt_lgc target_EOTActuatorMng_Per1_EOTDisable_Cnt_lgc target_EOTActuatorMng_Per1_HandWheelAuth_Uls_f32 target_EOTActuatorMng_Per1_HandWheelPos_HwDeg_f32 target_EOTActuatorMng_Per1_HwTorque_HwNm_f32 |

2015-06-29, 18:31:27+0530



EOTActuatorMng\_Per1 Input Value

| target_EOTActuatorMng_Per1_VehicleSpee | d_Kph_f32  |  |
|--|--|--|
| Actual Value                           | Expected Value   | Result   |
| 1.6702199                              | 1.67022002 ± 0.0000390625  | ~  |
| 808                                    | 808 ± 0.0000390625   | ~  |
| 747119781                              | 747119781 ± 1  | ~  |
| 89854088                               | 89854088 ± 1   | ~  |
| 0.214000002                            | 0.214000002 ± 0.00390625   | ~  |
| 0.347900391                            | 0.347900391 ± 0.0625   | ~  |
| SES_DISABLED                           | SES_DISABLED   | ~  |
| 1.6702199                              | 1.67022002 ± 0.00048828125   | ~  |
| 0.347900391                            | 0.347900391 ± 0.0000390625   | ~  |
| 1.00235355                             | 1.00235355 ± 0.00048828125   | ~  |
|  | Actual Value 1.6702199 808 747119781 89854088 0.214000002 0.347900391 SES_DISABLED 1.6702199 0.347900391 | Actual Value         Expected Value           1.6702199         1.67022002 ± 0.0000390625           808         808 ± 0.0000390625           747119781         747119781 ± 1           89854088         89854088 ± 1           0.214000002         0.214000002 ± 0.00390625           0.347900391         0.347900391 ± 0.0625           SES_DISABLED         SES_DISABLED           1.6702199         1.67022002 ± 0.00048828125           0.347900391         0.347900391 ± 0.0000390625 |

| T  |       |  |       | <b>✓</b> |
|--|-------|--|-------|----------|
| Actual Function                                    | Count | Expected Function                                  | Count | Result   |
| Rte_Call_EOTActuatorMng_Per1_CP0_CheckpointReached | 1     | Rte_Call_EOTActuatorMng_Per1_CP0_CheckpointReached | 1     | ~        |
| EOTDetermination                                   | 1     | EOTDetermination                                   | 1     | <b>~</b> |
| EOTOrigImpact                                      | 1     | EOTOrigImpact                                      | 1     | <b>~</b> |
| IntplVarXY_u16_u16Xu16Y_Cnt                        | 1     | IntplVarXY_u16_u16Xu16Y_Cnt                        | 1     | <b>~</b> |
| SES_DetLmtPos                                      | 1     | SES_DetLmtPos                                      | 1     | •        |
| SES_CalcExitGain                                   | 1     | SES_CalcExitGain                                   | 1     | ~        |
| IntplVarXY_u16_u16Xu16Y_Cnt                        | 1     | IntplVarXY_u16_u16Xu16Y_Cnt                        | 1     | •        |
| SES_CalcEnterGain                                  | 1     | SES_CalcEnterGain                                  | 1     | <b>✓</b> |
| BilinearXMYM_u16_u16XMu16YM_Cnt                    | 1     | BilinearXMYM_u16_u16XMu16YM_Cnt                    | 1     | <b>✓</b> |
| SES_CalcEOTGain                                    | 1     | SES_CalcEOTGain                                    | 1     | ~        |
| SES_FiltEOTGain                                    | 1     | SES_FiltEOTGain                                    | 1     | <b>~</b> |
| SES_CalcEOTDamp                                    | 1     | SES_CalcEOTDamp                                    | 1     | ~        |
| BilinearXMYM_u16_u16XMu16YM_Cnt                    | 1     | BilinearXMYM_u16_u16XMu16YM_Cnt                    | 1     | ~        |
| SES_StateCtrl                                      | 1     | SES_StateCtrl                                      | 1     | ~        |
| Rte_Call_EOTActuatorMng_Per1_CP1_CheckpointReached | 1     | Rte_Call_EOTActuatorMng_Per1_CP1_CheckpointReached | 1     | ~        |

| Test Step 2.16 (Repeat Count = 1)         | ✓                                 |
|---|-----------------------------------|
| Name                                      | Input Value                       |
| EOTActuatorMng_Damping_MtrNm_M_f32        | 2                                 |
| EOTActuatorMng_EOTImpactPos_HwDeg_M_f32   | 553.525024                        |
| EOTActuatorMng_FiltEOTGainSV_HwNm_M_u1p31 | 536870912                         |
| EOTActuatorMng_FiltHWTrqSV_HwNm_M_s7p24   | -75497472                         |
| EOTActuatorMng_PrevEOTGain_Uls_M_f32      | 0.430000007                       |
| EOTActuatorMng_SESState_Uls_M_enum        | SES_ENTERING                      |
| Rte_Inst_Ap_EOTActuatorMng                | target_Rte_Inst_Ap_EOTActuatorMng |
| k_EOTActiveRegionBypassMaxThresh_Uls_f32  | 0.0540000014                      |
| k_EOTDefltPosition_HwDeg_u12p4            | 4240                              |
| k_EOTDeltaTrqThrsh_HwNm_u9p7              | 384                               |
| k_EOTDynConf_Uls_u8p8                     | 0                                 |
| k_EOTEnterLPFKn_Cnt_u16                   | 555                               |
| k_EOTExitLPFKn_Cnt_u16                    | 6443                              |
| k_EOTImpSpdEn_Kph_u9p7                    | 7296                              |
| k_EOTOriginalImpactandSoftEnd_Cnt_lgc     | 1                                 |
| k_EOTPosDepDempFinalSlew_MtrNmpS_T_f32    | 68.9400024                        |
| k_EOTStateHwTrqLPFKn_Cnt_u16              | 600                               |
| k_MaxRackTrvl_HwDeg_u12p4                 | 256                               |
| k_MinRackTrvl_HwDeg_u12p4                 | 13696                             |
| k_PosRampStep_HwDeg_u12p4                 | 13024                             |
| k_SoftStopEOTEnable_Cnt_lgc               | 1                                 |
| k_SpdlptScale_MtrNmpRadpS_u4p12           | 86                                |
| t2_EOTEnterGainX_HwDeg_u12p4[0][0]        | 1440                              |
| t2_EOTEnterGainX_HwDeg_u12p4[0][1]        | 1616                              |
| t2_EOTEnterGainX_HwDeg_u12p4[0][2]        | 1760                              |
| t2_EOTEnterGainX_HwDeg_u12p4[0][3]        | 2000                              |
| t2_EOTEnterGainX_HwDeg_u12p4[1][0]        | 720                               |
| t2_EOTEnterGainX_HwDeg_u12p4[1][1]        | 2144                              |
| t2_EOTEnterGainX_HwDeg_u12p4[1][2]        | 2160                              |
| t2_EOTEnterGainX_HwDeg_u12p4[1][3]        | 2176                              |
| t2_EOTEnterGainX_HwDeg_u12p4[2][0]        | 1360                              |
| t2_EOTEnterGainX_HwDeg_u12p4[2][1]        | 4064                              |
| t2_EOTEnterGainX_HwDeg_u12p4[2][2]        | 4080                              |
| t2_EOTEnterGainX_HwDeg_u12p4[2][3]        | 4096                              |
| t2_EOTEnterGainX_HwDeg_u12p4[3][0]        | 2000                              |
| t2_EOTEnterGainX_HwDeg_u12p4[3][1]        | 5984                              |
| t2_EOTEnterGainX_HwDeg_u12p4[3][2]        | 6000                              |

2015-06-29, 18:31:27+0530



| Name   | Input Value   |
|--|---|
| 2_EOTEnterGainX_HwDeg_u12p4[3][3]  | 6016  |
| 2_EOTEnterGainY_Uls_u1p15[0][0]  | 9   |
| 2_EOTEnterGainY_Uls_u1p15[0][1]  | 10  |
| 2_EOTEnterGainY_Uls_u1p15[0][2]  | 147   |
| 2 EOTEnterGainY Uls u1p15[0][3]  | 1429  |
| 2_EOTEnterGainY_Uls_u1p15[1][0]  | 10  |
| 2_EOTEnterGainY_Uls_u1p15[1][1]  | 10  |
| 2_EOTEnterGainY_Uls_u1p15[1][2]  | 176   |
| 2_EOTEnterGainY_Uls_u1p15[1][3]  | 1714  |
| 2_EOTEnterGainY_Uls_u1p15[2][0]  | 10  |
| 2_EOTEnterGainY_Uls_u1p15[2][1]  | 10  |
| 2_EOTEnterGainY_Uls_u1p15[2][1]  | 167   |
|  | 1619  |
| 2_EOTEnterGainY_Uls_u1p15[2][3]  |   |
| 2_EOTEnterGainY_Uls_u1p15[3][0]  | 11  |
| 2_EOTEnterGainY_Uls_u1p15[3][1]  | 12  |
| 2_EOTEnterGainY_Uls_u1p15[3][2]  | 225   |
| 2_EOTEnterGainY_Uls_u1p15[3][3]  | 2189  |
| 2_EOTExPosDepDmpTblY_MtrNmpRadps_u0p16[0][0]   | 228   |
| 2_EOTExPosDepDmpTblY_MtrNmpRadps_u0p16[0][1]   | 323   |
| 2_EOTExPosDepDmpTblY_MtrNmpRadps_u0p16[1][0]   | 304   |
| 2_EOTExPosDepDmpTblY_MtrNmpRadps_u0p16[1][1]   | 431   |
| 2_EOTExPosDepDmpTblY_MtrNmpRadps_u0p16[2][0]   | 304   |
| 2_EOTExPosDepDmpTblY_MtrNmpRadps_u0p16[2][1]   | 431   |
| 2_EOTExPosDepDmpTblY_MtrNmpRadps_u0p16[3][0]   | 259   |
| 2_EOTExPosDepDmpTblY_MtrNmpRadps_u0p16[3][1]   | 366   |
| 2_EOTPosDepDmpTblX_HwDeg_u12p4[0][0]   | 928   |
| 2_EOTPosDepDmpTbIX_HwDeg_u12p4[0][1]   | 1360  |
| 2_EOTPosDepDmpTbIX_HwDeg_u12p4[1][0]   | 880   |
| 2_EOTP 0sDepDmpTblX_1WDeg_u12p4[1][0] 2_EOTPosDepDmpTblX_HwDeg_u12p4[1][1]   | 1264  |
|  |   |
| 2_EOTPosDepDmpTblX_HwDeg_u12p4[2][0]   | 800   |
| 2_EOTPosDepDmpTblX_HwDeg_u12p4[2][1]   | 4256  |
| 2_EOTPosDepDmpTblX_HwDeg_u12p4[3][0]   | 400   |
| 2_EOTPosDepDmpTbIX_HwDeg_u12p4[3][1]   | 784   |
| 2_EOTPosDepDmpTblY_MtrNmpRadpS_u0p16[0][0]   | 32  |
| 2_EOTPosDepDmpTblY_MtrNmpRadpS_u0p16[0][1]   | 228   |
| 2_EOTPosDepDmpTblY_MtrNmpRadpS_u0p16[1][0]   | 365   |
| 2_EOTPosDepDmpTblY_MtrNmpRadpS_u0p16[1][1]   | 517   |
| 2_EOTPosDepDmpTblY_MtrNmpRadpS_u0p16[2][0]   | 289   |
| 2_EOTPosDepDmpTblY_MtrNmpRadpS_u0p16[2][1]   | 409   |
| 2_EOTPosDepDmpTblY_MtrNmpRadpS_u0p16[3][0]   | 614   |
| 2_EOTPosDepDmpTblY_MtrNmpRadpS_u0p16[3][1]   | 894   |
|  | 5760  |
| _EOTDmpVspd_Kph_u9p7[1]  | 17152   |
| EOTDmpVspd Kph u9p7[2]   | 17280   |
| _EOTDmpVspd_Kph_u9p7[3]  | 17408   |
| _EOTEnterGainVspd_Kph_u9p7[0]  | 5760  |
|  |   |
| _EOTEnterGainVspd_Kph_u9p7[1]  | 17152   |
| _EOTEnterGainVspd_Kph_u9p7[2]  | 17280   |
| _EOTEnterGainVspd_Kph_u9p7[3]  | 17408   |
| _SpdlptTblXTbl_HwDeg_u12p4[0]  | 320   |
| _SpdlptTblXTbl_HwDeg_u12p4[1]  | 464   |
| _SpdIptTbIYTbI_MtrRadpS_u12p4[0]   | 400   |
| _SpdlptTblYTbl_MtrRadpS_u12p4[1]   | 784   |
| _TrqTableX_HwNm_u8p8[0]  | 256   |
| _TrqTableX_HwNm_u8p8[1]  | 1536  |
| _ TrqTblY_Uls_u2p14[0]   | 180   |
| _TrqTblY_Uls_u2p14[1]  | 262   |
| arget_EOTActuatorMng_Per1_CcwEOT_HwDeg_f32.value   | -1234.78003   |
| arget EOTActuatorMng Per1 CcwFound Cnt Igc.value   | 1   |
| arget_EOTActuatorMng_Per1_CwEOT_HwDeg_f32.value  | 555.640991  |
| arget_EOTActuatorMng_Per1_CwEOT_HwDeg_tsz.value  | 333.040991  |
|  | 0   |
| arget_EOTActuatorMng_Per1_EOTDisable_Cnt_lgc.value   |   |
| arget_EOTActuatorMng_Per1_HandWheelAuth_Uls_f32.value  | 0.910000026   |
| arget_EOTActuatorMng_Per1_HandWheelPos_HwDeg_f32.value   | -1440.10999   |
| arget_EOTActuatorMng_Per1_HwTorque_HwNm_f32.value  | 9.02000046  |
| arget_EOTActuatorMng_Per1_MotorVel_MtrRadpS_f32.value  | 0.280000001   |
| arget_EOTActuatorMng_Per1_OutputRampMultLtd_Uls_f32.value  | 0.354000002   |
| arget_EOTActuatorMng_Per1_VehicleSpeed_Kph_f32.value   | 8.18000031  |
| arget Rte Inst Ap EOTActuatorMng.EOTActuatorMng Per1 AssistEOTDamping  | target_EOTActuatorMng_Per1_AssistEOTDamping_MtrNm_f32 |
|  | s_target_EOTActuatorMng_Per1_AssistEOTGain_Uls_f32    |
| arget Rie inst ap Eutactuatorwing.Eutactuatorwing Pert Assisteut Gain Dis  |   |
|  | target EOTActuatorMng Per1 AssistEOTLimit MtrNm f32   |
| arget_Rte_inst_Ap_EOTActuatorMing.EOTActuatorMing_Per1_AssistEOTGain_ois<br>arget_Rte_inst_Ap_EOTActuatorMing.EOTActuatorMing_Per1_AssistEOTLimit_Mtr<br>arget_Rte_inst_Ap_EOTActuatorMing.EOTActuatorMing_Per1_CcwEOT_HwDeg_f |   |





| Name   | Input Value                             |                             |          |
|--|---|-----------------------------|----------|
| target_Rte_Inst_Ap_EOTActuatorMng.EOTActuatorMng_Per1_CwEOT_HwDeg_f32  | target_EOTActuatorMng_Per1_CwEOT_HwI    | Deg_f32                     |          |
| $target\_Rte\_Inst\_Ap\_EOTActuatorMng.EOTActuatorMng\_Per1\_CwFound\_Cnt\_lgc$  | target_EOTActuatorMng_Per1_CwFound_Cr   | nt_lgc                      |          |
| target_Rte_Inst_Ap_EOTActuatorMng.EOTActuatorMng_Per1_EOTDisable_Cnt_lgd   | target_EOTActuatorMng_Per1_EOTDisable_  | Cnt_lgc                     |          |
| target_Rte_Inst_Ap_EOTActuatorMng.EOTActuatorMng_Per1_HandWheelAuth_Uls  | target_EOTActuatorMng_Per1_HandWheelA   | uth_Uls_f32                 |          |
| target_Rte_Inst_Ap_EOTActuatorMng.EOTActuatorMng_Per1_HandWheelPos_Hwl   | target_EOTActuatorMng_Per1_HandWheelP   | os_HwDeg_f32                |          |
| target_Rte_Inst_Ap_EOTActuatorMng.EOTActuatorMng_Per1_HwTorque_HwNm_f  | target_EOTActuatorMng_Per1_HwTorque_H   | wNm_f32                     |          |
| target Rte Inst Ap EOTActuatorMng.EOTActuatorMng Per1 MotorVel MtrRadpS  | target_EOTActuatorMng_Per1_MotorVel_Mtr | RadpS_f32                   |          |
| $target\_Rte\_Inst\_Ap\_EOTActuatorMng.EOTActuatorMng\_Per1\_OutputRampMultLtd\_Inst\_Ap\_EOTActuatorMng\_Per1\_OutputRampMultLtd\_Inst\_Ap\_EOTActuatorMng\_Per1\_OutputRampMultLtd\_Inst\_Ap\_EOTActuatorMng\_Per1\_OutputRampMultLtd\_Inst\_Ap\_EOTActuatorMng\_Per1\_OutputRampMultLtd\_Inst\_Ap\_EOTActuatorMng\_Per1\_OutputRampMultLtd\_Inst\_Ap\_EOTActuatorMng\_Per1\_OutputRampMultLtd\_Inst\_Ap\_EOTActuatorMng\_Per1\_OutputRampMultLtd\_Inst\_Ap\_EOTActuatorMng\_Per1\_OutputRampMultLtd\_InstAp\_EOTActuatorMng\_Per1\_Ou$ | target_EOTActuatorMng_Per1_OutputRampl  | MultLtd_Uls_f32             |          |
| target_Rte_Inst_Ap_EOTActuatorMng.EOTActuatorMng_Per1_VehicleSpeed_Kph_  | target_EOTActuatorMng_Per1_VehicleSpeed | d_Kph_f32                   |          |
| Name   | Actual Value                            | Expected Value              | Result   |
| EOTActuatorMng_Damping_MtrNm_M_f32   | 1.86212003                              | 1.86212003 ± 0.0000390625   | ~        |
| EOTActuatorMng_EOTImpactPos_HwDeg_M_f32  | 265                                     | 265 ± 0.0000390625          | ~        |
| EOTActuatorMng_FiltEOTGainSV_HwNm_M_u1p31  | 532329347                               | 532329347 ± 1               | ~        |
| EOTActuatorMng_FiltHWTrqSV_HwNm_M_s7p24  | -76191672                               | -76191672 ± 1               | ~        |
| EOTActuatorMng_OutputRampMultLtd_M_f32   | 0.354000002                             | 0.354000002 ± 0.00390625    | ~        |
| EOTActuatorMng_PrevEOTGain_Uls_M_f32   | 0.24786377                              | 0.24786377 ± 0.0625         | ~        |
| EOTActuatorMng_SESState_Uls_M_enum   | SES_EXITING                             | SES_EXITING                 | ~        |
| target_EOTActuatorMng_Per1_AssistEOTDamping_MtrNm_f32.value  | 1.86212003                              | 1.86212003 ± 0.00048828125  | ~        |
| target_EOTActuatorMng_Per1_AssistEOTGain_Uls_f32.value   | 0.24786377                              | 0.24786377 ± 0.0000390625   | ~        |
| target_EOTActuatorMng_Per1_AssistEOTLimit_MtrNm_f32.value  | 0.519023418                             | 0.519023418 ± 0.00048828125 | <b>~</b> |

| T  |       |  |       | <b>✓</b> |
|--|-------|--|-------|----------|
| Actual Function                                    | Count | Expected Function                                  | Count | Result   |
| Rte_Call_EOTActuatorMng_Per1_CP0_CheckpointReached | 1     | Rte_Call_EOTActuatorMng_Per1_CP0_CheckpointReached | 1     | ~        |
| EOTDetermination                                   | 1     | EOTDetermination                                   | 1     | ~        |
| EOTOrigImpact                                      | 1     | EOTOrigImpact                                      | 1     | ~        |
| IntplVarXY_u16_u16Xu16Y_Cnt                        | 1     | IntplVarXY_u16_u16Xu16Y_Cnt                        | 1     | •        |
| SES_DetLmtPos                                      | 1     | SES_DetLmtPos                                      | 1     | ~        |
| SES_CalcExitGain                                   | 1     | SES_CalcExitGain                                   | 1     | <b>✓</b> |
| IntplVarXY_u16_u16Xu16Y_Cnt                        | 1     | IntplVarXY_u16_u16Xu16Y_Cnt                        | 1     | •        |
| SES_CalcEnterGain                                  | 1     | SES_CalcEnterGain                                  | 1     | •        |
| BilinearXMYM_u16_u16XMu16YM_Cnt                    | 1     | BilinearXMYM_u16_u16XMu16YM_Cnt                    | 1     | •        |
| SES_CalcEOTGain                                    | 1     | SES_CalcEOTGain                                    | 1     | <b>✓</b> |
| SES_FiltEOTGain                                    | 1     | SES_FiltEOTGain                                    | 1     | ~        |
| SES_CalcEOTDamp                                    | 1     | SES_CalcEOTDamp                                    | 1     | •        |
| BilinearXMYM_u16_u16XMu16YM_Cnt                    | 1     | BilinearXMYM_u16_u16XMu16YM_Cnt                    | 1     | •        |
| SES_StateCtrl                                      | 1     | SES_StateCtrl                                      | 1     | •        |
| IntplVarXY_u16_u16Xu16Y_Cnt                        | 2     | IntplVarXY_u16_u16Xu16Y_Cnt                        | 2     | ~        |
| Rte_Call_EOTActuatorMng_Per1_CP1_CheckpointReached | 1     | Rte_Call_EOTActuatorMng_Per1_CP1_CheckpointReached | 1     | ~        |

| Test Step 2.17 (Repeat Count = 1)         | ✓                                 |
|---|-----------------------------------|
| Name                                      | Input Value                       |
| EOTActuatorMng_Damping_MtrNm_M_f32        | 2.20000005                        |
| EOTActuatorMng_EOTImpactPos_HwDeg_M_f32   | 956.210022                        |
| EOTActuatorMng_FiltEOTGainSV_HwNm_M_u1p31 | 322122547                         |
| EOTActuatorMng_FiltHWTrqSV_HwNm_M_s7p24   | 75497472                          |
| EOTActuatorMng_PrevEOTGain_Uls_M_f32      | 0.20999993                        |
| EOTActuatorMng_SESState_Uls_M_enum        | SES_NORMAL                        |
| Rte_Inst_Ap_EOTActuatorMng                | target_Rte_Inst_Ap_EOTActuatorMng |
| k_EOTActiveRegionBypassMaxThresh_Uls_f32  | 0.388999999                       |
| k_EOTDefltPosition_HwDeg_u12p4            | 1968                              |
| k_EOTDeltaTrqThrsh_HwNm_u9p7              | 256                               |
| k_EOTDynConf_Uls_u8p8                     | 43520                             |
| k_EOTEnterLPFKn_Cnt_u16                   | 666                               |
| k_EOTExitLPFKn_Cnt_u16                    | 3476                              |
| k_EOTImpSpdEn_Kph_u9p7                    | 7424                              |
| k_EOTOriginalImpactandSoftEnd_Cnt_lgc     | 0                                 |
| k_EOTPosDepDempFinalSlew_MtrNmpS_T_f32    | 72.9899979                        |
| k_EOTStateHwTrqLPFKn_Cnt_u16              | 500                               |
| k_MaxRackTrvl_HwDeg_u12p4                 | 2128                              |
| k_MinRackTrvl_HwDeg_u12p4                 | 8544                              |
| k_PosRampStep_HwDeg_u12p4                 | 5856                              |
| k_SoftStopEOTEnable_Cnt_lgc               | 0                                 |
| k_SpdlptScale_MtrNmpRadpS_u4p12           | 86                                |
| t2_EOTEnterGainX_HwDeg_u12p4[0][0]        | 0                                 |
| t2_EOTEnterGainX_HwDeg_u12p4[0][1]        | 80                                |
| t2_EOTEnterGainX_HwDeg_u12p4[0][2]        | 160                               |
| t2_EOTEnterGainX_HwDeg_u12p4[0][3]        | 320                               |
| t2_EOTEnterGainX_HwDeg_u12p4[1][0]        | 736                               |
| t2_EOTEnterGainX_HwDeg_u12p4[1][1]        | 2192                              |

2015-06-29, 18:31:27+0530



| EOTActuatorMng_Per1   |             | TALCILAG |
|---|-------------|----------|
| Name  | Input Value |          |
| t2_EOTEnterGainX_HwDeg_u12p4[1][2]  | 2208        |          |
| t2_EOTEnterGainX_HwDeg_u12p4[1][3]  | 2224        |          |
| t2_EOTEnterGainX_HwDeg_u12p4[2][0]  | 1376        |          |
| t2_EOTEnterGainX_HwDeg_u12p4[2][1]  | 4112        |          |
| t2_EOTEnterGainX_HwDeg_u12p4[2][2]  | 4128        |          |
| t2_EOTEnterGainX_HwDeg_u12p4[2][3]  | 4144        |          |
| t2_EOTEnterGainX_HwDeg_u12p4[3][0]  | 2016        |          |
| t2_EOTEnterGainX_HwDeg_u12p4[3][1]  | 6032        |          |
| t2_EOTEnterGainX_HwDeg_u12p4[3][2]  | 6048        |          |
| t2_EOTEnterGainX_HwDeg_u12p4[3][3]  | 6064        |          |
| t2_EOTEnterGainY_Uls_u1p15[0][0]  | 9           |          |
| t2_EOTEnterGainY_Uls_u1p15[0][1]  | 10          |          |
| t2_EOTEnterGainY_Uls_u1p15[0][2]  | 157         |          |
| t2_EOTEnterGainY_Uls_u1p15[0][3]  | 1524        |          |
| t2_EOTEnterGainY_Uls_u1p15[1][0]  | 10          |          |
| t2_EOTEnterGainY_Uls_u1p15[1][1]  | 11<br>186   |          |
| t2_EOTEnterGainY_Uls_u1p15[1][2]  | 1809        |          |
| t2_EOTEnterGainY_Uls_u1p15[1][3]<br>t2_EOTEnterGainY_Uls_u1p15[2][0]  | 10          |          |
| t2_EOTEnterGainY_Uls_u1p15[2][1]  | 10          |          |
| t2_EOTEnterGainY_Uls_u1p15[2][2]  | 176         |          |
| t2_EOTEnterGainY_Uls_u1p15[2][3]  | 1714        |          |
| t2 EOTEnterGainY Uls u1p15[3][0]  | 12          |          |
| t2_EOTEnterGainY_Uls_u1p15[3][1]  | 12          |          |
| t2_EOTEnterGainY_Uls_u1p15[3][2]  | 235         |          |
| t2_EOTEnterGainY_Uls_u1p15[3][3]  | 2284        |          |
| t2_EOTExPosDepDmpTblY_MtrNmpRadps_u0p16[0][0]   | 243         |          |
| t2_EOTExPosDepDmpTblY_MtrNmpRadps_u0p16[0][1]   | 345         |          |
| t2_EOTExPosDepDmpTblY_MtrNmpRadps_u0p16[1][0]   | 319         |          |
| t2_EOTExPosDepDmpTblY_MtrNmpRadps_u0p16[1][1]   | 452         |          |
| t2_EOTExPosDepDmpTblY_MtrNmpRadps_u0p16[2][0]   | 319         |          |
| t2_EOTExPosDepDmpTblY_MtrNmpRadps_u0p16[2][1]   | 452         |          |
| t2_EOTExPosDepDmpTblY_MtrNmpRadps_u0p16[3][0]   | 274         |          |
| t2_EOTExPosDepDmpTblY_MtrNmpRadps_u0p16[3][1]   | 388         |          |
| t2_EOTPosDepDmpTblX_HwDeg_u12p4[0][0]   | 960         |          |
| t2_EOTPosDepDmpTblX_HwDeg_u12p4[0][1]   | 1376        |          |
| t2_EOTPosDepDmpTbIX_HwDeg_u12p4[1][0]   | 896         |          |
| t2_EOTPosDepDmpTblX_HwDeg_u12p4[1][1]   | 1280        |          |
| t2_EOTPosDepDmpTbIX_HwDeg_u12p4[2][0]   | 832         |          |
| t2_EOTPosDepDmpTblX_HwDeg_u12p4[2][1]   | 4272<br>416 |          |
| t2_EOTPosDepDmpTblX_HwDeg_u12p4[3][0]<br>t2_EOTPosDepDmpTblX_HwDeg_u12p4[3][1]                                | 800         |          |
| t2_EOTPosDepDinpTblX_Hwbeg_u12p4[3][1] t2_EOTPosDepDmpTblY_MtrNmpRadpS_u0p16[0][0]                            | 345         |          |
| t2_EOTPosDepDmpTblY_MtrNmpRadpS_u0p16[0][1]   | 923         |          |
| t2 EOTPosDepDmpTblY MtrNmpRadpS_u0p16[1][0]   | 380         |          |
| t2_EOTPosDepDmpTblY_MtrNmpRadpS_u0p16[1][1]   | 538         |          |
| t2 EOTPosDepDmpTblY MtrNmpRadpS u0p16[2][0]   | 304         |          |
| t2_EOTPosDepDmpTblY_MtrNmpRadpS_u0p16[2][1]   | 431         |          |
| t2_EOTPosDepDmpTblY_MtrNmpRadpS_u0p16[3][0]   | 91          |          |
| t2_EOTPosDepDmpTblY_MtrNmpRadpS_u0p16[3][1]   | 635         |          |
| t_EOTDmpVspd_Kph_u9p7[0]  | 5888        |          |
| t_EOTDmpVspd_Kph_u9p7[1]  | 17536       |          |
| t_EOTDmpVspd_Kph_u9p7[2]  | 17664       |          |
| t_EOTDmpVspd_Kph_u9p7[3]  | 17792       |          |
| t_EOTEnterGainVspd_Kph_u9p7[0]  | 5888        |          |
| t_EOTEnterGainVspd_Kph_u9p7[1]  | 17536       |          |
| t_EOTEnterGainVspd_Kph_u9p7[2]  | 17664       |          |
| t_EOTEnterGainVspd_Kph_u9p7[3]  | 17792       |          |
| t_SpdlptTblXTbl_HwDeg_u12p4[0]  | 336         |          |
| t_SpdlptTblXTbl_HwDeg_u12p4[1]  | 480         |          |
| t_SpdlptTblYTbl_MtrRadpS_u12p4[0]   | 416         |          |
| t_SpdIptTblYTbl_MtrRadpS_u12p4[1]   | 800         |          |
| t_TrqTableX_HwNm_u8p8[0]  | 256         |          |
| t_TrqTableX_HwNm_u8p8[1]  | 1280        |          |
| t_TrqTblY_Uls_u2p14[0]  | 197         |          |
| t_TrqTblY_Uls_u2p14[1]  | 279         |          |
| target_EOTActuatorMng_Per1_CcwEOT_HwDeg_f32.value   | -1200.45996 |          |
| target_EOTActuatorMng_Per1_CcwFound_Cnt_lgc.value   | 1           |          |
| target_EOTActuatorMng_Per1_CwEotT_HwDeg_f32.value   | 600.273987  |          |
| target_EOTActuatorMng_Per1_CwFound_Cnt_lgc.value  | 0           |          |
|   |             |          |
| target_EOTActuatorMng_Per1_EOTDisable_Cnt_lgc.value<br>target_EOTActuatorMng_Per1_HandWheelAuth_Uls_f32.value | 0.400000006 |          |

 $target\_EOTActuatorMng\_Per1\_AssistEOTDamping\_MtrNm\_f32.value$ 

 $target\_EOTActuatorMng\_Per1\_AssistEOTGain\_Uls\_f32.value$ 

 $target\_EOTActuatorMng\_Per1\_AssistEOTLimit\_MtrNm\_f32.value$ 

2015-06-29, 18:31:27+0530



2.05401993 ± 0.00048828125

0.148468018 ± 0.0000390625

0.53938967 ± 0.00048828125

EOTActuatorMng\_Per1

| Name  | Input Value                            |                           |          |
|---|--|---------------------------|----------|
| target_EOTActuatorMng_Per1_HwTorque_HwNm_f32.value                              | -9.02999973                            |                           |          |
| target_EOTActuatorMng_Per1_MotorVel_MtrRadpS_f32.value                          | -0.310000002                           |                           |          |
| target_EOTActuatorMng_Per1_OutputRampMultLtd_Uls_f32.value                      | 0.739000022                            |                           |          |
| target_EOTActuatorMng_Per1_VehicleSpeed_Kph_f32.value                           | 9.18999958                             |                           |          |
| target_Rte_Inst_Ap_EOTActuatorMng.EOTActuatorMng_Per1_AssistEOTDamping          | target_EOTActuatorMng_Per1_AssistEOTDa | amping_MtrNm_f32          |          |
| target_Rte_Inst_Ap_EOTActuatorMng.EOTActuatorMng_Per1_AssistEOTGain_Uls         | target_EOTActuatorMng_Per1_AssistEOTG  | ain_Uls_f32               |          |
| target Rte Inst Ap EOTActuatorMng.EOTActuatorMng Per1 AssistEOTLimit Mtr        | target_EOTActuatorMng_Per1_AssistEOTLi | mit_MtrNm_f32             |          |
| target_Rte_Inst_Ap_EOTActuatorMng.EOTActuatorMng_Per1_CcwEOT_HwDeg_f            | target_EOTActuatorMng_Per1_CcwEOT_Hv   | vDeg_f32                  |          |
| target_Rte_Inst_Ap_EOTActuatorMng.EOTActuatorMng_Per1_CcwFound_Cnt_lgc          | target_EOTActuatorMng_Per1_CcwFound_0  | Cnt_lgc                   |          |
| target_Rte_Inst_Ap_EOTActuatorMng.EOTActuatorMng_Per1_CwEOT_HwDeg_f3.           | target_EOTActuatorMng_Per1_CwEOT_Hw    | Deg_f32                   |          |
| target_Rte_Inst_Ap_EOTActuatorMng.EOTActuatorMng_Per1_CwFound_Cnt_lgc           | target_EOTActuatorMng_Per1_CwFound_C   | nt_lgc                    |          |
| target_Rte_Inst_Ap_EOTActuatorMng.EOTActuatorMng_Per1_EOTDisable_Cnt_lg         | target_EOTActuatorMng_Per1_EOTDisable  | _Cnt_lgc                  |          |
| target_Rte_Inst_Ap_EOTActuatorMng.EOTActuatorMng_Per1_HandWheelAuth_UI          | target_EOTActuatorMng_Per1_HandWheelA  | Auth_Uls_f32              |          |
| target_Rte_Inst_Ap_EOTActuatorMng.EOTActuatorMng_Per1_HandWheelPos_Hw           |  |                           |          |
| target_Rte_Inst_Ap_EOTActuatorMng.EOTActuatorMng_Per1_HwTorque_HwNm_t           | target_EOTActuatorMng_Per1_HwTorque_H  | lwNm_f32                  |          |
| target Rte Inst Ap EOTActuatorMng.EOTActuatorMng Per1 MotorVel MtrRadpS         | target_EOTActuatorMng_Per1_MotorVel_Mt | rRadpS_f32                |          |
| $target\_Rte\_Inst\_Ap\_EOTActuatorMng.EOTActuatorMng\_Per1\_OutputRampMultLtd$ | target_EOTActuatorMng_Per1_OutputRamp  | MultLtd_Uls_f32           |          |
| target_Rte_Inst_Ap_EOTActuatorMng.EOTActuatorMng_Per1_VehicleSpeed_Kph_         | target_EOTActuatorMng_Per1_VehicleSpee | d_Kph_f32                 |          |
| Name  | Actual Value                           | Expected Value            | Result   |
| EOTActuatorMng_Damping_MtrNm_M_f32  | 2.05401993                             | 2.05401993 ± 0.0000390625 |          |
| EOTActuatorMng_EOTImpactPos_HwDeg_M_f32   | 123                                    | 123 ± 0.0000390625        | <b>✓</b> |
| EOTActuatorMng_FiltEOTGainSV_HwNm_M_u1p31                                       | 318855151                              | 318855151 ± 1             | ~        |
| EOTActuatorMng_FiltHWTrqSV_HwNm_M_s7p24   | 73765972                               | 73765972 ± 1              | <b>✓</b> |
| EOTActuatorMng_OutputRampMultLtd_M_f32  | 0.739000022                            | 0.739000022 ± 0.00390625  | ~        |
| EOTActuatorMng_PrevEOTGain_Uls_M_f32  | 0.148468018                            | 0.148468018 ± 0.0625      | <b>✓</b> |
| EOTActuatorMng SESState Uls M enum  | SES DISABLED                           | SES DISABLED              | ~        |

| Τ  |       |  |       | V        |
|--|-------|--|-------|----------|
| Actual Function                                    | Count | Expected Function                                  | Count | Result   |
| Rte_Call_EOTActuatorMng_Per1_CP0_CheckpointReached | 1     | Rte_Call_EOTActuatorMng_Per1_CP0_CheckpointReached | 1     | ~        |
| EOTDetermination                                   | 1     | EOTDetermination                                   | 1     | •        |
| EOTOrigImpact                                      | 1     | EOTOrigImpact                                      | 1     | ~        |
| IntplVarXY_u16_u16Xu16Y_Cnt                        | 1     | IntplVarXY_u16_u16Xu16Y_Cnt                        | 1     | •        |
| SES_DetLmtPos                                      | 1     | SES_DetLmtPos                                      | 1     | ~        |
| SES_CalcExitGain                                   | 1     | SES_CalcExitGain                                   | 1     | •        |
| IntplVarXY_u16_u16Xu16Y_Cnt                        | 1     | IntplVarXY_u16_u16Xu16Y_Cnt                        | 1     | •        |
| SES_CalcEnterGain                                  | 1     | SES_CalcEnterGain                                  | 1     | •        |
| BilinearXMYM_u16_u16XMu16YM_Cnt                    | 1     | BilinearXMYM_u16_u16XMu16YM_Cnt                    | 1     | •        |
| SES_CalcEOTGain                                    | 1     | SES_CalcEOTGain                                    | 1     | ~        |
| SES_FiltEOTGain                                    | 1     | SES_FiltEOTGain                                    | 1     | •        |
| SES_CalcEOTDamp                                    | 1     | SES_CalcEOTDamp                                    | 1     | •        |
| BilinearXMYM_u16_u16XMu16YM_Cnt                    | 1     | BilinearXMYM_u16_u16XMu16YM_Cnt                    | 1     | ~        |
| SES_StateCtrl                                      | 1     | SES_StateCtrl                                      | 1     | •        |
| Rte Call EOTActuatorMng Per1 CP1 CheckpointReached | 1     | Rte Call EOTActuatorMng Per1 CP1 CheckpointReached | 1     | <b>V</b> |

2.05401993

0.148468018

0.53938967

| Test Step 2.18 (Repeat Count = 1)         | ✓                                 |
|---|-----------------------------------|
| Name                                      | Input Value                       |
| EOTActuatorMng_Damping_MtrNm_M_f32        | 2.4000001                         |
| EOTActuatorMng_EOTImpactPos_HwDeg_M_f32   | 684.320007                        |
| EOTActuatorMng_FiltEOTGainSV_HwNm_M_u1p31 | 1911260447                        |
| EOTActuatorMng_FiltHWTrqSV_HwNm_M_s7p24   | -58720256                         |
| EOTActuatorMng_PrevEOTGain_Uls_M_f32      | 0.99000001                        |
| EOTActuatorMng_SESState_Uls_M_enum        | SES_ENTERING                      |
| Rte_Inst_Ap_EOTActuatorMng                | target_Rte_Inst_Ap_EOTActuatorMng |
| k_EOTActiveRegionBypassMaxThresh_Uls_f32  | 0.995000005                       |
| k_EOTDefltPosition_HwDeg_u12p4            | 3744                              |
| k_EOTDeltaTrqThrsh_HwNm_u9p7              | 128                               |
| k_EOTDynConf_Uls_u8p8                     | 46080                             |
| k_EOTEnterLPFKn_Cnt_u16                   | 777                               |
| k_EOTExitLPFKn_Cnt_u16                    | 8456                              |
| k_EOTImpSpdEn_Kph_u9p7                    | 7552                              |
| k_EOTOriginalImpactandSoftEnd_Cnt_lgc     | 1                                 |
| k_EOTPosDepDempFinalSlew_MtrNmpS_T_f32    | 77.0400009                        |
| k_EOTStateHwTrqLPFKn_Cnt_u16              | 400                               |
| k_MaxRackTrvl_HwDeg_u12p4                 | 2144                              |
| k_MinRackTrvl_HwDeg_u12p4                 | 10128                             |
| k_PosRampStep_HwDeg_u12p4                 | 10464                             |

EOTActuatorMng Per1

2015-06-29, 18:31:27+0530



Input Value k SoftStopEOTEnable\_Cnt\_lgc 87 k\_SpdlptScale\_MtrNmpRadpS\_u4p12 t2 EOTEnterGainX HwDeg u12p4[0][0] 192 t2\_EOTEnterGainX\_HwDeg\_u12p4[0][1] 352 t2 EOTEnterGainX\_HwDeg\_u12p4[0][2] 480 t2\_EOTEnterGainX\_HwDeg\_u12p4[0][3] 672 t2\_EOTEnterGainX\_HwDeg\_u12p4[1][0] 752 t2\_EOTEnterGainX\_HwDeg\_u12p4[1][1] 2240 t2\_EOTEnterGainX\_HwDeg\_u12p4[1][2] 2256 t2\_EOTEnterGainX\_HwDeg\_u12p4[1][3] 2272 t2\_EOTEnterGainX\_HwDeg\_u12p4[2][0] 1392 4160 t2\_EOTEnterGainX\_HwDeg\_u12p4[2][1] t2\_EOTEnterGainX\_HwDeg\_u12p4[2][2] 4176 4192 t2 EOTEnterGainX HwDeg u12p4[2][3] t2\_EOTEnterGainX\_HwDeg\_u12p4[3][0] 2032 6080 t2\_EOTEnterGainX\_HwDeg\_u12p4[3][1] t2\_EOTEnterGainX\_HwDeg\_u12p4[3][2] 6096 t2\_EOTEnterGainX\_HwDeg\_u12p4[3][3] 6112 t2\_EOTEnterGainY\_Uls\_u1p15[0][0] 10 t2\_EOTEnterGainY\_Uls\_u1p15[0][1] 10 t2\_EOTEnterGainY\_Uls\_u1p15[0][2] 167 t2\_EOTEnterGainY\_Uls\_u1p15[0][3] 1619 t2\_EOTEnterGainY\_Uls\_u1p15[1][0] 10 t2\_EOTEnterGainY\_Uls\_u1p15[1][1] 11 t2 EOTEnterGainY\_Uls\_u1p15[1][2] 196 t2\_EOTEnterGainY\_Uls\_u1p15[1][3] 1904 t2\_EOTEnterGainY\_Uls\_u1p15[2][0] 10 t2\_EOTEnterGainY\_Uls\_u1p15[2][1] 11 t2 EOTEnterGainY Uls u1p15[2][2] 186 t2\_EOTEnterGainY\_Uls\_u1p15[2][3] 1809 t2\_EOTEnterGainY\_Uls\_u1p15[3][0] 12 t2\_EOTEnterGainY\_Uls\_u1p15[3][1] 13 t2 EOTEnterGainY Uls u1p15[3][2] 245 t2\_EOTEnterGainY\_Uls\_u1p15[3][3] 2379 t2\_EOTExPosDepDmpTblY\_MtrNmpRadps\_u0p16[0][0] 259  $t2\_EOTExPosDepDmpTbIY\_MtrNmpRadps\_u0p16[0][1]\\$ 366 t2\_EOTExPosDepDmpTblY\_MtrNmpRadps\_u0p16[1][0] 334 t2\_EOTExPosDepDmpTblY\_MtrNmpRadps\_u0p16[1][1] 474 t2\_EOTExPosDepDmpTblY\_MtrNmpRadps\_u0p16[2][0] 334 t2\_EOTExPosDepDmpTblY\_MtrNmpRadps\_u0p16[2][1] 474 t2\_EOTExPosDepDmpTblY\_MtrNmpRadps\_u0p16[3][0] 289 t2\_EOTExPosDepDmpTblY\_MtrNmpRadps\_u0p16[3][1] 409 t2\_EOTPosDepDmpTblX\_HwDeg\_u12p4[0][0] 992 t2\_EOTPosDepDmpTblX\_HwDeg\_u12p4[0][1] 1392  $t2\_EOTPosDepDmpTblX\_HwDeg\_u12p4[1][0]$ 912 t2\_EOTPosDepDmpTblX\_HwDeg\_u12p4[1][1] 1296  $t2\_EOTPosDepDmpTblX\_HwDeg\_u12p4[2][0]$ 864 4288 t2\_EOTPosDepDmpTblX\_HwDeg\_u12p4[2][1] t2\_EOTPosDepDmpTblX\_HwDeg\_u12p4[3][0] 432 t2\_EOTPosDepDmpTblX\_HwDeg\_u12p4[3][1] 816 t2 EOTPosDepDmpTblY MtrNmpRadpS u0p16[0][0] 37 t2\_EOTPosDepDmpTblY\_MtrNmpRadpS\_u0p16[0][1] 259 t2\_EOTPosDepDmpTblY\_MtrNmpRadpS\_u0p16[1][0] 395 t2\_EOTPosDepDmpTblY\_MtrNmpRadpS\_u0p16[1][1] 560 t2\_EOTPosDepDmpTblY\_MtrNmpRadpS\_u0p16[2][0] 319 t2\_EOTPosDepDmpTblY\_MtrNmpRadpS\_u0p16[2][1] 452 t2\_EOTPosDepDmpTblY\_MtrNmpRadpS\_u0p16[3][0] t2\_EOTPosDepDmpTblY\_MtrNmpRadpS\_u0p16[3][1] 1 t\_EOTDmpVspd\_Kph\_u9p7[0] 6016 t\_EOTDmpVspd\_Kph\_u9p7[1] 17920 t\_EOTDmpVspd\_Kph\_u9p7[2] 18048 18176 t\_EOTDmpVspd\_Kph\_u9p7[3] t\_EOTEnterGainVspd\_Kph\_u9p7[0] 6016 t\_EOTEnterGainVspd\_Kph\_u9p7[1] 17920 t\_EOTEnterGainVspd\_Kph\_u9p7[2] 18048 t\_EOTEnterGainVspd\_Kph\_u9p7[3] 18176  $t\_SpdIptTbIXTbI\_HwDeg\_u12p4[0]$ 352 t SpdlptTblXTbl HwDea u12p4[1] 496 t\_SpdlptTblYTbl\_MtrRadpS\_u12p4[0] 432 t\_SpdIptTbIYTbI\_MtrRadpS\_u12p4[1] 816 t\_TrqTableX\_HwNm\_u8p8[0] 768 t\_TrqTableX\_HwNm\_u8p8[1] 1024  $t\_TrqTblY\_Uls\_u2p14[0]$ 213

2015-06-29, 18:31:27+0530



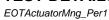
| Name   | Inmut Value  |                           |        |
|--|--|---------------------------|--------|
|  | Input Value  |                           |        |
| t_TrqTblY_Uls_u2p14[1]   | 295  |                           |        |
| target_EOTActuatorMng_Per1_CcwEOT_HwDeg_f32.value  | -1300.41003  |                           |        |
| target_EOTActuatorMng_Per1_CcwFound_Cnt_lgc.value  | 0  |                           |        |
| target_EOTActuatorMng_Per1_CwEOT_HwDeg_f32.value   | 666.15802  |                           |        |
| target_EOTActuatorMng_Per1_CwFound_Cnt_lgc.value   | 1  |                           |        |
| target_EOTActuatorMng_Per1_EOTDisable_Cnt_lgc.value  | 1  |                           |        |
| target_EOTActuatorMng_Per1_HandWheelAuth_Uls_f32.value   | 0.920000017  |                           |        |
| target_EOTActuatorMng_Per1_HandWheelPos_HwDeg_f32.value  | 0  |                           |        |
| target_EOTActuatorMng_Per1_HwTorque_HwNm_f32.value   | 1.5  |                           |        |
| target_EOTActuatorMng_Per1_MotorVel_MtrRadpS_f32.value   | 0.340000004  |                           |        |
| target_EOTActuatorMng_Per1_OutputRampMultLtd_Uls_f32.value   | 0.596000016  |                           |        |
| target_EOTActuatorMng_Per1_VehicleSpeed_Kph_f32.value  | 10.0100002   |                           |        |
| $target\_Rte\_Inst\_Ap\_EOTActuatorMng.EOTActuatorMng\_Per1\_AssistEOTDamping\_Per1\_AssisTEOTDamping\_Per1\_AssisTEOTDamping\_Per1\_AssisTEOTD$ | target_EOTActuatorMng_Per1_AssistEOTDa                   | amping_MtrNm_f32          |        |
| target_Rte_Inst_Ap_EOTActuatorMng.EOTActuatorMng_Per1_AssistEOTGain_Uls_   | target_EOTActuatorMng_Per1_AssistEOTGa                   | ain_Uls_f32               |        |
| target_Rte_Inst_Ap_EOTActuatorMng.EOTActuatorMng_Per1_AssistEOTLimit_Mtrl  | Mtrl target_EOTActuatorMng_Per1_AssistEOTLimit_MtrNm_f32 |                           |        |
| target Rte Inst Ap EOTActuatorMng.EOTActuatorMng Per1 CcwEOT HwDeg f3  | target_EOTActuatorMng_Per1_CcwEOT_Hv                     | vDeg_f32                  |        |
| $target\_Rte\_Inst\_Ap\_EOTActuatorMng.EOTActuatorMng\_Per1\_CcwFound\_Cnt\_Igc$   | target_EOTActuatorMng_Per1_CcwFound_0                    | Cnt_lgc                   |        |
| target_Rte_Inst_Ap_EOTActuatorMng.EOTActuatorMng_Per1_CwEOT_HwDeg_f32  | target_EOTActuatorMng_Per1_CwEOT_Hwl                     | Deg_f32                   |        |
| target_Rte_Inst_Ap_EOTActuatorMng.EOTActuatorMng_Per1_CwFound_Cnt_lgc  | target_EOTActuatorMng_Per1_CwFound_C                     | nt_lgc                    |        |
| target_Rte_Inst_Ap_EOTActuatorMng.EOTActuatorMng_Per1_EOTDisable_Cnt_Igi   | target_EOTActuatorMng_Per1_EOTDisable_                   | _Cnt_lgc                  |        |
| target_Rte_Inst_Ap_EOTActuatorMng.EOTActuatorMng_Per1_HandWheelAuth_Uls  | target_EOTActuatorMng_Per1_HandWheelA                    | auth_Uls_f32              |        |
| target_Rte_Inst_Ap_EOTActuatorMng.EOTActuatorMng_Per1_HandWheelPos_Hw  | I target_EOTActuatorMng_Per1_HandWheelF                  | Pos_HwDeg_f32             |        |
| target Rte Inst Ap EOTActuatorMng.EOTActuatorMng Per1 HwTorque HwNm f  | target EOTActuatorMng Per1 HwTorque H                    | lwNm f32                  |        |
| target Rte Inst Ap EOTActuatorMng.EOTActuatorMng Per1 MotorVel MtrRadpS  | target EOTActuatorMng Per1 MotorVel Mt                   | rRadpS f32                |        |
| target Rte Inst Ap EOTActuatorMng.EOTActuatorMng Per1 OutputRampMultLtd  | . 0 = 0= = 1 =   |                           |        |
| target_Rte_Inst_Ap_EOTActuatorMng.EOTActuatorMng_Per1_VehicleSpeed_Kph_  | 32 2   |                           |        |
| Name   | Actual Value   | Expected Value            | Result |
| EOTActuatorMng Damping MtrNm M f32   | 2.24592018   | 2.24591994 ± 0.0000390625 |        |
| FOTActuatorMng FOTImpactPos HwDeg M f32  | 684 320007   | 684 320007 + 0 0000390625 | _      |

| Name  | Actual Value | Expected Value             | Result |
|---|--------------|----------------------------|--------|
| EOTActuatorMng_Damping_MtrNm_M_f32                          | 2.24592018   | 2.24591994 ± 0.0000390625  | ~      |
| EOTActuatorMng_EOTImpactPos_HwDeg_M_f32                     | 684.320007   | 684.320007 ± 0.0000390625  | ~      |
| EOTActuatorMng_FiltEOTGainSV_HwNm_M_u1p31                   | 1889858759   | 1889858759 ± 1             | ~      |
| EOTActuatorMng_FiltHWTrqSV_HwNm_M_s7p24                     | -58208256    | -58208256 ± 1              | ~      |
| EOTActuatorMng_OutputRampMultLtd_M_f32                      | 0.596000016  | 0.596000016 ± 0.00390625   | ~      |
| EOTActuatorMng_PrevEOTGain_Uls_M_f32                        | 0.880004883  | 0.880004883 ± 0.0625       | ~      |
| EOTActuatorMng_SESState_Uls_M_enum                          | SES_DISABLED | SES_DISABLED               | ~      |
| target_EOTActuatorMng_Per1_AssistEOTDamping_MtrNm_f32.value | 2.24592018   | 2.24591994 ± 0.00048828125 | ~      |
| target_EOTActuatorMng_Per1_AssistEOTGain_Uls_f32.value      | 0.880004883  | 0.880004883 ± 0.0000390625 | ~      |
| target_EOTActuatorMng_Per1_AssistEOTLimit_MtrNm_f32.value   | 8.80000019   | 8.80000019 ± 0.00048828125 | ~      |

| T V  |       |  |       |        |
|--|-------|--|-------|--------|
| Actual Function                                    | Count | Expected Function                                  | Count | Result |
| Rte_Call_EOTActuatorMng_Per1_CP0_CheckpointReached | 1     | Rte_Call_EOTActuatorMng_Per1_CP0_CheckpointReached | 1     | ~      |
| EOTDetermination                                   | 1     | EOTDetermination                                   | 1     | •      |
| SES_DetLmtPos                                      | 1     | SES_DetLmtPos                                      | 1     | ~      |
| SES_CalcExitGain                                   | 1     | SES_CalcExitGain                                   | 1     | •      |
| IntplVarXY_u16_u16Xu16Y_Cnt                        | 1     | IntplVarXY_u16_u16Xu16Y_Cnt                        | 1     | ~      |
| SES_CalcEnterGain                                  | 1     | SES_CalcEnterGain                                  | 1     | •      |
| BilinearXMYM_u16_u16XMu16YM_Cnt                    | 1     | BilinearXMYM_u16_u16XMu16YM_Cnt                    | 1     | ~      |
| SES_CalcEOTGain                                    | 1     | SES_CalcEOTGain                                    | 1     | •      |
| SES_FiltEOTGain                                    | 1     | SES_FiltEOTGain                                    | 1     | ~      |
| SES_CalcEOTDamp                                    | 1     | SES_CalcEOTDamp                                    | 1     | •      |
| BilinearXMYM_u16_u16XMu16YM_Cnt                    | 1     | BilinearXMYM_u16_u16XMu16YM_Cnt                    | 1     | ~      |
| SES_StateCtrl                                      | 1     | SES_StateCtrl                                      | 1     | ~      |
| Rte Call EOTActuatorMng Per1 CP1 CheckpointReached | 1     | Rte Call EOTActuatorMng Per1 CP1 CheckpointReached | 1     | _      |

| Test Step 2.19 (Repeat Count = 1)         | <b>✓</b>                          |
|---|-----------------------------------|
| Name                                      | Input Value                       |
| EOTActuatorMng_Damping_MtrNm_M_f32        | 2.5999999                         |
| EOTActuatorMng_EOTImpactPos_HwDeg_M_f32   | 534.450012                        |
| EOTActuatorMng_FiltEOTGainSV_HwNm_M_u1p31 | 1675037245                        |
| EOTActuatorMng_FiltHWTrqSV_HwNm_M_s7p24   | 58720256                          |
| EOTActuatorMng_PrevEOTGain_Uls_M_f32      | 0.879999995                       |
| EOTActuatorMng_SESState_Uls_M_enum        | SES_NORMAL                        |
| Rte_Inst_Ap_EOTActuatorMng                | target_Rte_Inst_Ap_EOTActuatorMng |
| k_EOTActiveRegionBypassMaxThresh_Uls_f32  | 0.209999993                       |
| k_EOTDefltPosition_HwDeg_u12p4            | 5520                              |
| k_EOTDeltaTrqThrsh_HwNm_u9p7              | 1152                              |
| k_EOTDynConf_Uls_u8p8                     | 48640                             |
| k_EOTEnterLPFKn_Cnt_u16                   | 888                               |
| k_EOTExitLPFKn_Cnt_u16                    | 464                               |
| k_EOTImpSpdEn_Kph_u9p7                    | 7680                              |

2015-06-29, 18:31:27+0530





| Name  | Input Value   |
|---|---------------|
| k_EOTOriginalImpactandSoftEnd_Cnt_lgc   | 0             |
| k_EOTPosDepDempFinalSlew_MtrNmpS_T_f32  | 81.0899963    |
| k_EOTStateHwTrqLPFKn_Cnt_u16  | 1234          |
| k_MaxRackTrvI_HwDeg_u12p4 k MinRackTrvI_HwDeg_u12p4                                     | 2160<br>14240 |
| k_PosRampStep_HwDeg_u12p4   | 3424          |
| k_SoftStopEOTEnable_Cnt_lgc   | 0             |
| k_SpdlptScale_MtrNmpRadpS_u4p12   | 87            |
| t2_EOTEnterGainX_HwDeg_u12p4[0][0]  | 832           |
| t2_EOTEnterGainX_HwDeg_u12p4[0][1]  | 1008          |
| t2_EOTEnterGainX_HwDeg_u12p4[0][2]  | 1184          |
| t2_EOTEnterGainX_HwDeg_u12p4[0][3]  | 1360          |
| t2_EOTEnterGainX_HwDeg_u12p4[1][0]  | 768           |
| t2_EOTEnterGainX_HwDeg_u12p4[1][1]  | 2288          |
| t2_EOTEnterGainX_HwDeg_u12p4[1][2]<br>t2_EOTEnterGainX_HwDeg_u12p4[1][3]                | 2304<br>2320  |
| t2_EOTEnterGainX_HwDeg_u12p4[1][0]  | 1408          |
| t2_EOTEnterGainX_HwDeg_u12p4[2][1]  | 4208          |
| t2_EOTEnterGainX_HwDeg_u12p4[2][2]  | 4224          |
| t2_EOTEnterGainX_HwDeg_u12p4[2][3]  | 4240          |
| t2_EOTEnterGainX_HwDeg_u12p4[3][0]  | 2048          |
| t2_EOTEnterGainX_HwDeg_u12p4[3][1]  | 6128          |
| t2_EOTEnterGainX_HwDeg_u12p4[3][2]  | 6144          |
| t2_EOTEnterGainX_HwDeg_u12p4[3][3]  | 6160          |
| t2_EOTEnterGainY_Uls_u1p15[0][0]  | 10            |
| t2_EOTEnterGainY_Uls_u1p15[0][1]  | 10            |
| t2_EOTEnterGainY_Uls_u1p15[0][2]  | 176<br>1714   |
| t2_EOTEnterGainY_Uls_u1p15[0][3]<br>t2_EOTEnterGainY_Uls_u1p15[1][0]                    | 11            |
| t2_EOTEnterGain1_0is_u1p13[1][0] t2_EOTEnterGainY_Uls_u1p15[1][1]                       | 11            |
| t2_EOTEnterGainY_Uls_u1p15[1][2]  | 206           |
| t2_EOTEnterGainY_Uls_u1p15[1][3]  | 1999          |
| t2_EOTEnterGainY_Uls_u1p15[2][0]  | 10            |
| t2_EOTEnterGainY_Uls_u1p15[2][1]  | 11            |
| t2_EOTEnterGainY_Uls_u1p15[2][2]  | 196           |
| t2_EOTEnterGainY_Uls_u1p15[2][3]  | 1904          |
| t2_EOTEnterGainY_Uls_u1p15[3][0]  | 12            |
| t2_EOTEnterGainY_Uls_u1p15[3][1]  | 13            |
| t2_EOTEnterGainY_Uls_u1p15[3][2]  | 255<br>2474   |
| t2_EOTEnterGainY_Uls_u1p15[3][3]<br>t2_EOTExPosDepDmpTblY_MtrNmpRadps_u0p16[0][0]       | 274           |
| t2 EOTEXPosDepDmpTblY MtrNmpRadps_u0p16[0][1]   | 388           |
| t2 EOTExPosDepDmpTblY MtrNmpRadps u0p16[1][0]   | 349           |
| t2_EOTExPosDepDmpTblY_MtrNmpRadps_u0p16[1][1]   | 495           |
| t2_EOTExPosDepDmpTblY_MtrNmpRadps_u0p16[2][0]   | 349           |
| t2_EOTExPosDepDmpTblY_MtrNmpRadps_u0p16[2][1]   | 495           |
| t2_EOTExPosDepDmpTblY_MtrNmpRadps_u0p16[3][0]   | 304           |
| t2_EOTExPosDepDmpTblY_MtrNmpRadps_u0p16[3][1]   | 431           |
| t2_EOTPosDepDmpTblX_HwDeg_u12p4[0][0]   | 1024          |
| t2_EOTPosDepDmpTblX_HwDeg_u12p4[0][1]   | 1408          |
| t2_EOTPosDepDmpTbIX_HwDeg_u12p4[1][0]<br>t2_EOTPosDepDmpTbIX_HwDeg_u12p4[1][1]          | 928<br>1312   |
| t2_EOTPosDepDinpTblX_HwDeg_u12p4[1][1] t2_EOTPosDepDmpTblX_HwDeg_u12p4[2][0]            | 896           |
| t2_EOTPosDepDmpTblX_HwDeg_u12p4[2][1]   | 4304          |
| t2_EOTPosDepDmpTblX_HwDeg_u12p4[3][0]   | 448           |
| t2_EOTPosDepDmpTblX_HwDeg_u12p4[3][1]   | 832           |
| t2_EOTPosDepDmpTblY_MtrNmpRadpS_u0p16[0][0]   | 39            |
| t2_EOTPosDepDmpTblY_MtrNmpRadpS_u0p16[0][1]   | 274           |
| t2_EOTPosDepDmpTblY_MtrNmpRadpS_u0p16[1][0]   | 410           |
| t2_EOTPosDepDmpTblY_MtrNmpRadpS_u0p16[1][1]   | 581           |
| t2_EOTPosDepDmpTblY_MtrNmpRadpS_u0p16[2][0]   | 334           |
| t2_EOTPosDepDmpTbIY_MtrNmpRadpS_u0p16[2][1] t2_EOTPosDepDmpTbIY_MtrNmpRadpS_u0p16[3][0] | 474<br>16     |
| t2_EOTPosDepDmpTblY_MtrNmpRadpS_u0p16[3][1]   | 22            |
| t_EOTDmpVspd_Kph_u9p7[0]  | 6144          |
| t_EOTDmpVspd_Kph_u9p7[1]  | 18304         |
| t_EOTDmpVspd_Kph_u9p7[2]  | 18432         |
| t_EOTDmpVspd_Kph_u9p7[3]  | 18560         |
| t_EOTEnterGainVspd_Kph_u9p7[0]  | 6144          |
| t_EOTEnterGainVspd_Kph_u9p7[1]  | 18304         |
| t_EOTEnterGainVspd_Kph_u9p7[2]  | 18432         |
| t_EOTEnterGainVspd_Kph_u9p7[3]  | 18560         |
| t_SpdlptTblXTbl_HwDeg_u12p4[0]  | 368           |

2015-06-29, 18:31:27+0530



| Name  | Input Value  |                 |  |
|---|--|-----------------|--|
| t_SpdlptTblXTbl_HwDeg_u12p4[1]  | 512  |                 |  |
| t_SpdlptTblYTbl_MtrRadpS_u12p4[0]   | 448  |                 |  |
| t_SpdlptTblYTbl_MtrRadpS_u12p4[1]   | 832  |                 |  |
| t_TrqTableX_HwNm_u8p8[0]  | 0  |                 |  |
| t_TrqTableX_HwNm_u8p8[1]  | 768  |                 |  |
| t_TrqTblY_Uls_u2p14[0]  | 229  |                 |  |
| t_TrqTblY_Uls_u2p14[1]  | 311  |                 |  |
| target_EOTActuatorMng_Per1_CcwEOT_HwDeg_f32.value   | -1322.64001  |                 |  |
| target_EOTActuatorMng_Per1_CcwFound_Cnt_lgc.value   | 1  |                 |  |
| target_EOTActuatorMng_Per1_CwEOT_HwDeg_f32.value  | 700.460999   |                 |  |
| target_EOTActuatorMng_Per1_CwFound_Cnt_lgc.value  | 0  |                 |  |
| target_EOTActuatorMng_Per1_EOTDisable_Cnt_lgc.value   | 0  |                 |  |
| target_EOTActuatorMng_Per1_HandWheelAuth_Uls_f32.value  | 0.200000003  |                 |  |
| target_EOTActuatorMng_Per1_HandWheelPos_HwDeg_f32.value   | -400.100006  |                 |  |
| target_EOTActuatorMng_Per1_HwTorque_HwNm_f32.value  | -1.5   |                 |  |
| target_EOTActuatorMng_Per1_MotorVel_MtrRadpS_f32.value  | 0.360000014  |                 |  |
| target_EOTActuatorMng_Per1_OutputRampMultLtd_Uls_f32.value  | 0.308999985  |                 |  |
| target_EOTActuatorMng_Per1_VehicleSpeed_Kph_f32.value   | 21.2099991   |                 |  |
| $target\_Rte\_Inst\_Ap\_EOTActuatorMng.EOTActuatorMng\_Per1\_AssistEOTDamping\_Per1\_AssisTEOTDamping\_Per1\_AssisTEOTDamping\_Per1\_AssisTEOTD$                                      | target_EOTActuatorMng_Per1_AssistEOTDa               | mping_MtrNm_f32 |  |
| $target\_Rte\_Inst\_Ap\_EOTActuatorMng.EOTActuatorMng\_Per1\_AssistEOTGain\_Uls\_Inst\_Ap\_EOTActuatorMng\_Per1\_AssistEOTGain\_Uls\_Inst\_Ap\_EOTActuatorMng\_Per1\_AssistEOTGain\_Uls\_Inst\_Ap\_EOTActuatorMng\_Per1\_AssistEOTGain\_Uls\_Inst\_Ap\_EOTActuatorMng\_Per1\_AssistEOTGain\_Uls\_Inst\_Ap\_EOTActuatorMng\_Per1\_AssistEOTGain\_Uls\_Inst\_Ap\_EOTActuatorMng\_Per1\_AssistEOTGain\_Uls\_Inst\_Ap\_EOTActuatorMng\_Per1\_AssistEOTGain\_Uls\_Inst\_Ap\_EOTActuatorMng\_Per1\_AssistEOTGain\_Uls\_Inst\_Ap\_EOTActuatorMng\_Per1\_AssistEOTGain\_Uls\_Inst\_Ap\_EOTActuatorMng\_Per1\_AssistEOTGain\_Uls\_Inst_Ap\_EOTActuatorMng\_Per1\_AssistEOTGain\_Uls\_Inst_Ap\_EOTActuatorMng\_Per1\_AssistEOTGain\_Uls\_Inst_Ap\_EOTActuatorMng\_Per1\_AssistEOTGain\_Uls\_Inst_Ap\_EOTActuatorMng\_Ap\_Ap\_EOTActuatorMng\_Ap\_EOTActuatorMng\_Ap\_Ap\_Ap\_Ap\_Ap\_Ap\_Ap\_Ap\_Ap\_Ap\_Ap\_Ap\_Ap\_$  | target_EOTActuatorMng_Per1_AssistEOTGa               | nin_Uls_f32     |  |
| $target\_Rte\_Inst\_Ap\_EOTActuatorMng.EOTActuatorMng\_Per1\_AssistEOTLimit\_Mtr?$  | target_EOTActuatorMng_Per1_AssistEOTLin              | nit_MtrNm_f32   |  |
| $target\_Rte\_Inst\_Ap\_EOTActuatorMng.EOTActuatorMng\_Per1\_CcwEOT\_HwDeg\_f3$   | target_EOTActuatorMng_Per1_CcwEOT_Hw                 | Deg_f32         |  |
| $target\_Rte\_Inst\_Ap\_EOTActuatorMng.EOTActuatorMng\_Per1\_CcwFound\_Cnt\_Igc$  | target_EOTActuatorMng_Per1_CcwFound_C                | Cnt_lgc         |  |
| $target\_Rte\_Inst\_Ap\_EOTActuatorMng.EOTActuatorMng\_Per1\_CwEOT\_HwDeg\_f3222222222222222222222222222222222222$  | target_EOTActuatorMng_Per1_CwEOT_HwD                 | Deg_f32         |  |
| target_Rte_Inst_Ap_EOTActuatorMng.EOTActuatorMng_Per1_CwFound_Cnt_lgc   | target_EOTActuatorMng_Per1_CwFound_Cr                | nt_lgc          |  |
| $target\_Rte\_Inst\_Ap\_EOTActuatorMng.EOTActuatorMng\_Per1\_EOTDisable\_Cnt\_lgenerate and the property of the prope$  | target_EOTActuatorMng_Per1_EOTDisable_               | Cnt_lgc         |  |
| $target\_Rte\_Inst\_Ap\_EOTActuatorMng.EOTActuatorMng\_Per1\_HandWheelAuth\_Ulstarget\_Rte\_Inst\_Ap\_EOTActuatorMng.EOTActuatorMng\_Per1\_HandWheelAuth\_Ulstarget\_Rte\_Inst\_Ap\_EOTActuatorMng.EOTActuatorMng\_Per1\_HandWheelAuth\_Ulstarget\_Rte\_Inst\_Ap\_EOTActuatorMng.EOTActuatorMng\_Per1\_HandWheelAuth\_Ulstarget\_Rte\_Inst\_Ap\_EOTActuatorMng.EOTActuatorMng\_Per1\_HandWheelAuth\_Ulstarget\_Rte\_Inst\_Ap\_EOTActuatorMng.EOTActuatorMng\_Per1\_HandWheelAuth\_Ulstarget\_Rte\_Inst\_Ap\_EOTActuatorMng.EOTActuat$  | target_EOTActuatorMng_Per1_HandWheelA                | uth_Uls_f32     |  |
| $target\_Rte\_Inst\_Ap\_EOTActuatorMng.EOTActuatorMng\_Per1\_HandWheelPos\_HwleelPos\_HwleelPos\_HwleelPos\_HwleelPos\_HwleelPos\_HwleelPos$  | target_EOTActuatorMng_Per1_HandWheelP                | os_HwDeg_f32    |  |
| $target\_Rte\_Inst\_Ap\_EOTActuatorMng.EOTActuatorMng\_Per1\_HwTorque\_HwNm\_fractuatorMng\_Per1\_HwTorque\_HwNm_fractuatorMng\_Per1\_HwTorque\_HwNm_fractuatorMng\_Per1\_HwTorque\_HwNm_fractuatorMng\_Per1\_HwTorque\_HwNm_fractuatorMng\_Per1\_HwTorque\_HwNm_fractuatorMng\_Per1\_H$ | n_f target_EOTActuatorMng_Per1_HwTorque_HwNm_f32     |                 |  |
| $target\_Rte\_Inst\_Ap\_EOTActuatorMng.EOTActuatorMng\_Per1\_MotorVel\_MtrRadpS_{actual}$   | lpS target_EOTActuatorMng_Per1_MotorVel_MtrRadpS_f32 |                 |  |
| $target\_Rte\_Inst\_Ap\_EOTActuatorMng.EOTActuatorMng\_Per1\_OutputRampMultLtd\_Inst\_Ap\_EOTActuatorMng\_Per1\_OutputRampMultLtd\_Inst\_Ap\_EOTActuatorMng\_Per1\_OutputRampMultLtd\_Inst\_Ap\_EOTActuatorMng\_Per1\_OutputRampMultLtd\_Inst\_Ap\_EOTActuatorMng\_Per1\_OutputRampMultLtd\_InstAp\_EOTActuatorMng\_Per1\_Output$                                      | target_EOTActuatorMng_Per1_OutputRampl               | MultLtd_Uls_f32 |  |
|   |  |                 |  |
| target_Rte_Inst_Ap_EOTActuatorMng.EOTActuatorMng_Per1_VehicleSpeed_Kph_   | target_EOTActuatorMng_Per1_VehicleSpeed              | d_Kph_f32       |  |

| target_Rte_Inst_Ap_EOTActuatorMng.EOTActuatorMng_Per1_VehicleSpeed_Kph_ | target_EOTActuatorMng_Per1_VehicleSpee | d_Kph_f32                   |          |
|---|--|-----------------------------|----------|
| Name  | Actual Value                           | Expected Value              | Result   |
| EOTActuatorMng_Damping_MtrNm_M_f32                                      | 2.43781996                             | 2.43781996 ± 0.0000390625   | ~        |
| EOTActuatorMng_EOTImpactPos_HwDeg_M_f32                                 | 345                                    | 345 ± 0.0000390625          | ~        |
| EOTActuatorMng_FiltEOTGainSV_HwNm_M_u1p31                               | 1653862885                             | 1653862885 ± 1              | ~        |
| EOTActuatorMng_FiltHWTrqSV_HwNm_M_s7p24                                 | 58088448                               | 58088448 ± 1                | ~        |
| EOTActuatorMng_OutputRampMultLtd_M_f32                                  | 0.308999985                            | 0.308999985 ± 0.00390625    | ~        |
| EOTActuatorMng_PrevEOTGain_Uls_M_f32                                    | 0.770111084                            | 0.770111084 ± 0.0625        | ~        |
| EOTActuatorMng_SESState_Uls_M_enum                                      | SES_DISABLED                           | SES_DISABLED                | ~        |
| target_EOTActuatorMng_Per1_AssistEOTDamping_MtrNm_f32.value             | 2.43781996                             | 2.43781996 ± 0.00048828125  | ~        |
| target_EOTActuatorMng_Per1_AssistEOTGain_Uls_f32.value                  | 0.770111084                            | 0.770111084 ± 0.0000390625  | ~        |
| target_EOTActuatorMng_Per1_AssistEOTLimit_MtrNm_f32.value               | 0.587080061                            | 0.587080061 ± 0.00048828125 | <b>✓</b> |

| T  | I T ✓ |  |       |          |  |
|--|-------|--|-------|----------|--|
| Actual Function                                    | Count | Expected Function                                  | Count | Result   |  |
| Rte_Call_EOTActuatorMng_Per1_CP0_CheckpointReached | 1     | Rte_Call_EOTActuatorMng_Per1_CP0_CheckpointReached | 1     | ~        |  |
| EOTDetermination                                   | 1     | EOTDetermination                                   | 1     | <b>✓</b> |  |
| EOTOrigImpact                                      | 1     | EOTOrigImpact                                      | 1     | <b>~</b> |  |
| IntplVarXY_u16_u16Xu16Y_Cnt                        | 1     | IntplVarXY_u16_u16Xu16Y_Cnt                        | 1     | <b>✓</b> |  |
| SES_DetLmtPos                                      | 1     | SES_DetLmtPos                                      | 1     | <b>~</b> |  |
| SES_CalcExitGain                                   | 1     | SES_CalcExitGain                                   | 1     | ~        |  |
| IntplVarXY_u16_u16Xu16Y_Cnt                        | 1     | IntplVarXY_u16_u16Xu16Y_Cnt                        | 1     | ~        |  |
| SES_CalcEnterGain                                  | 1     | SES_CalcEnterGain                                  | 1     | ~        |  |
| BilinearXMYM_u16_u16XMu16YM_Cnt                    | 1     | BilinearXMYM_u16_u16XMu16YM_Cnt                    | 1     | ~        |  |
| SES_CalcEOTGain                                    | 1     | SES_CalcEOTGain                                    | 1     | <b>✓</b> |  |
| SES_FiltEOTGain                                    | 1     | SES_FiltEOTGain                                    | 1     | -        |  |
| SES_CalcEOTDamp                                    | 1     | SES_CalcEOTDamp                                    | 1     | ~        |  |
| BilinearXMYM_u16_u16XMu16YM_Cnt                    | 1     | BilinearXMYM_u16_u16XMu16YM_Cnt                    | 1     | ~        |  |
| SES_StateCtrl                                      | 1     | SES_StateCtrl                                      | 1     | ~        |  |
| Rte Call EOTActuatorMng Per1 CP1 CheckpointReached | 1     | Rte Call EOTActuatorMng Per1 CP1 CheckpointReached | 1     | _        |  |

| Test Step 2.20 (Repeat Count = 1)         | <b>✓</b>     |
|---|--------------|
| Name                                      | Input Value  |
| EOTActuatorMng_Damping_MtrNm_M_f32        | 2.79999995   |
| EOTActuatorMng_EOTImpactPos_HwDeg_M_f32   | 735.869995   |
| EOTActuatorMng_FiltEOTGainSV_HwNm_M_u1p31 | 1438814044   |
| EOTActuatorMng_FiltHWTrqSV_HwNm_M_s7p24   | -41943040    |
| EOTActuatorMng_PrevEOTGain_Uls_M_f32      | 0.769999981  |
| EOTActuatorMng_SESState_Uls_M_enum        | SES_ENTERING |

2015-06-29, 18:31:27+0530



| Namo  | Input Value                       |
|---|-----------------------------------|
| Name  | Input Value                       |
| Rte_Inst_Ap_EOTActuatorMng  | target_Rte_Inst_Ap_EOTActuatorMng |
| c_EOTActiveRegionBypassMaxThresh_Uls_f32  | 0.86500001                        |
| C_EOTDefltPosition_HwDeg_u12p4  | 7296                              |
| C_EOTDeltaTrqThrsh_HwNm_u9p7  | 1024                              |
| C_EOTDynConf_Uls_u8p8   | 0                                 |
| c_EOTEnterLPFKn_Cnt_u16   | 1234                              |
| <_EOTExitLPFKn_Cnt_u16  | 3356                              |
| k_EOTImpSpdEn_Kph_u9p7  | 7808                              |
| <_EOTOriginalImpactandSoftEnd_Cnt_lgc   | 1                                 |
| x_EOTPosDepDempFinalSlew_MtrNmpS_T_f32  | 85.1399994                        |
| c_EOTStateHwTrqLPFKn_Cnt_u16  | 2345                              |
| <_MaxRackTrvl_HwDeg_u12p4   | 2176                              |
| k_MinRackTrvl_HwDeg_u12p4   | 9056                              |
| <_PosRampStep_HwDeg_u12p4   | 6912                              |
| <_SoftStopEOTEnable_Cnt_lgc   | 1                                 |
| <pre>c_SpdIptScale_MtrNmpRadpS_u4p12</pre>  | 88                                |
| 2_EOTEnterGainX_HwDeg_u12p4[0][0]   | 1456                              |
| 2_EOTEnterGainX_HwDeg_u12p4[0][1]   | 1664                              |
| 2_EOTEnterGainX_HwDeg_u12p4[0][2]   | 1888                              |
| 2_EOTEnterGainX_HwDeg_u12p4[0][3]   | 2032                              |
| 2 EOTEnterGainX HwDeg u12p4[1][0]   | 784                               |
| 2_EOTEnterGainX_HwDeg_u12p4[1][1]   | 2336                              |
| 2 EOTEnterGainX HwDeg_u12p4[1][2]   | 2352                              |
| 2_EOTEIterGainX_HwDeg_u12p4[1][2]   | 2368                              |
| 2_EOTEItterGainX_HwDeg_u12p4[1][3]  | 1424                              |
| z_EOTEnterGainX_HwDeg_u1zp4[z][0] 2_EOTEnterGainX_HwDeg_u12p4[2][1]                   | 4256                              |
| z_EOTEnterGainX_HwDeg_u1zp4[z][1] 2_EOTEnterGainX_HwDeg_u12p4[2][2]                   | 4272                              |
|   |                                   |
| 2_EOTEnterGainX_HwDeg_u12p4[2][3]   | 4288                              |
| 2_EOTEnterGainX_HwDeg_u12p4[3][0]   | 2064                              |
| 2_EOTEnterGainX_HwDeg_u12p4[3][1]   | 6176                              |
| 2_EOTEnterGainX_HwDeg_u12p4[3][2]   | 6192                              |
| 2_EOTEnterGainX_HwDeg_u12p4[3][3]   | 6208                              |
| 2_EOTEnterGainY_Uls_u1p15[0][0]   | 10                                |
| t2_EOTEnterGainY_Uls_u1p15[0][1]  | 11                                |
| t2_EOTEnterGainY_Uls_u1p15[0][2]  | 186                               |
| t2_EOTEnterGainY_Uls_u1p15[0][3]  | 1809                              |
| t2_EOTEnterGainY_Uls_u1p15[1][0]  | 11                                |
| t2_EOTEnterGainY_Uls_u1p15[1][1]  | 12                                |
| 2_EOTEnterGainY_Uls_u1p15[1][2]   | 216                               |
| t2_EOTEnterGainY_Uls_u1p15[1][3]  | 2094                              |
| t2_EOTEnterGainY_Uls_u1p15[2][0]  | 11                                |
| 12_EOTEnterGainY_Uls_u1p15[2][1]  | 11                                |
| 12_EOTEnterGainY_Uls_u1p15[2][2]  | 206                               |
| 12_EOTEnterGainY_Uls_u1p15[2][3]  | 1999                              |
| 2_EOTEnterGainY_Uls_u1p15[3][0]   | 13                                |
| 2 EOTEnterGainY Uls u1p15[3][1]   | 13                                |
| 2_EOTEnterGainY_Uls_u1p15[3][2]   | 265                               |
| 2_EOTEINE/GainT_0is_u1p15[3][2]<br>2_EOTEINE/GainT_Uls_u1p15[3][3]                    | 2569                              |
|   | 289                               |
| 2_EOTExPosDepDmpTblY_MtrNmpRadps_u0p16[0][0]  |                                   |
| 2_EOTExPosDepDmpTblY_MtrNmpRadps_u0p16[0][1]  | 409                               |
| 2_EOTExPosDepDmpTblY_MtrNmpRadps_u0p16[1][0]  | 365                               |
| 2_EOTExPosDepDmpTblY_MtrNmpRadps_u0p16[1][1]  | 517                               |
| 2_EOTExPosDepDmpTblY_MtrNmpRadps_u0p16[2][0]  | 365                               |
| 2_EOTExPosDepDmpTblY_MtrNmpRadps_u0p16[2][1]  | 517                               |
| 2_EOTExPosDepDmpTblY_MtrNmpRadps_u0p16[3][0]  | 319                               |
| 2_EOTExPosDepDmpTblY_MtrNmpRadps_u0p16[3][1]  | 452                               |
| 2_EOTPosDepDmpTblX_HwDeg_u12p4[0][0]  | 1056                              |
| 2_EOTPosDepDmpTblX_HwDeg_u12p4[0][1]  | 1424                              |
| 2_EOTPosDepDmpTblX_HwDeg_u12p4[1][0]  | 944                               |
| 2_EOTPosDepDmpTblX_HwDeg_u12p4[1][1]  | 1328                              |
| 2_EOTPosDepDmpTblX_HwDeg_u12p4[2][0]  | 832                               |
| 2_EOTPosDepDmpTblX_HwDeg_u12p4[2][1]  | 4320                              |
| 2_EOTPosDepDmpTblX_HwDeg_u12p4[3][0]  | 464                               |
| 2_EOTPosDepDmpTblX_HwDeg_u12p4[3][1]  | 848                               |
| 2_EOTPosDepDmpTblY_MtrNmpRadpS_u0p16[0][0]  | 41                                |
| z_EOTPosDepDmpTblY_MtrNmpRadpS_u0p16[0][0] 2_EOTPosDepDmpTblY_MtrNmpRadpS_u0p16[0][1] | 289                               |
|   |                                   |
| 2_EOTPosDepDmpTblY_MtrNmpRadpS_u0p16[1][0]  | 425                               |
| 2_EOTPosDepDmpTblY_MtrNmpRadpS_u0p16[1][1]  | 603                               |
| 2_EOTPosDepDmpTblY_MtrNmpRadpS_u0p16[2][0]  | 349                               |
| 2_EOTPosDepDmpTblY_MtrNmpRadpS_u0p16[2][1]  | 495                               |
| 2_EOTPosDepDmpTblY_MtrNmpRadpS_u0p16[3][0]  | 32                                |
| 2_EOTPosDepDmpTblY_MtrNmpRadpS_u0p16[3][1]  | 44                                |
| t_EOTDmpVspd_Kph_u9p7[0]  | 6272                              |

2015-06-29, 18:31:27+0530



EOTActuatorMng\_Per1

| LOTACIDATORNING_F ELL  |   | <u> </u>                  | OIL CTUOID |
|--|---|---------------------------|------------|
| Name   | Input Value                             |                           |            |
| t EOTDmpVspd Kph u9p7[1]   | 18688                                   |                           |            |
| t EOTDmpVspd Kph u9p7[2]   | 18816                                   |                           |            |
| t EOTDmpVspd Kph u9p7[3]   | 18944                                   |                           |            |
| t EOTEnterGainVspd Kph u9p7[0]   | 6272                                    |                           |            |
| t_EOTEnterGainVspd_Kph_u9p7[1]   | 18688                                   |                           |            |
| t EOTEnterGainVspd Kph u9p7[2]   | 18816                                   |                           |            |
| t EOTEnterGainVspd Kph u9p7[3]   | 18944                                   |                           |            |
| t_SpdIptTbIXTbI_HwDeg_u12p4[0]   | 384                                     |                           |            |
| t_SpdIptTbIXTbI_HwDeg_u12p4[1]   | 528                                     |                           |            |
| t_SpdIptTbIYTbI_MtrRadpS_u12p4[0]  | 464                                     |                           |            |
| t_SpdIptTbIYTbI_MtrRadpS_u12p4[1]  | 848                                     |                           |            |
| t_TrqTableX_HwNm_u8p8[0]   | 0                                       |                           |            |
| t_TrqTableX_HwNm_u8p8[1]   | 512                                     |                           |            |
| t_TrqTblY_Uls_u2p14[0]   | 246                                     |                           |            |
| t_TrqTblY_Uls_u2p14[1]   | 328                                     |                           |            |
| target_EOTActuatorMng_Per1_CcwEOT_HwDeg_f32.value  | -144.169998                             |                           |            |
| target_EOTActuatorMng_Per1_CcwFound_Cnt_lgc.value  | 1                                       |                           |            |
| target_EOTActuatorMng_Per1_CwEOT_HwDeg_f32.value   | 777.286987                              |                           |            |
| target_EOTActuatorMng_Per1_CwFound_Cnt_lgc.value   | 1                                       |                           |            |
| target_EOTActuatorMng_Per1_EOTDisable_Cnt_lgc.value  | 0                                       |                           |            |
| target_EOTActuatorMng_Per1_HandWheelAuth_Uls_f32.value   | 0.930000007                             |                           |            |
| target_EOTActuatorMng_Per1_HandWheelPos_HwDeg_f32.value  | 400.200012                              |                           |            |
| target_EOTActuatorMng_Per1_HwTorque_HwNm_f32.value   | 2.5                                     |                           |            |
| target_EOTActuatorMng_Per1_MotorVel_MtrRadpS_f32.value   | -0.379999995                            |                           |            |
| target_EOTActuatorMng_Per1_OutputRampMultLtd_Uls_f32.value   | 0.245000005                             |                           |            |
| target_EOTActuatorMng_Per1_VehicleSpeed_Kph_f32.value  | 22.6499996                              |                           |            |
| $target\_Rte\_Inst\_Ap\_EOTActuatorMng.EOTActuatorMng\_Per1\_AssistEOTDamping\_Per1\_AssisTEOTDamping\_Per1\_AssisTEOTD$ | target_EOTActuatorMng_Per1_AssistEOTDa  | amping_MtrNm_f32          |            |
| target_Rte_Inst_Ap_EOTActuatorMng.EOTActuatorMng_Per1_AssistEOTGain_Uls  | target_EOTActuatorMng_Per1_AssistEOTGa  | ain_Uls_f32               |            |
| $target\_Rte\_Inst\_Ap\_EOTActuatorMng.EOTActuatorMng\_Per1\_AssistEOTLimit\_Mtrackets and the property of the prope$  | target_EOTActuatorMng_Per1_AssistEOTLir | mit_MtrNm_f32             |            |
| target_Rte_Inst_Ap_EOTActuatorMng.EOTActuatorMng_Per1_CcwEOT_HwDeg_f3  | target_EOTActuatorMng_Per1_CcwEOT_Hv    | /Deg_f32                  |            |
| $target\_Rte\_Inst\_Ap\_EOTActuatorMng.EOTActuatorMng\_Per1\_CcwFound\_Cnt\_lgc$   | target_EOTActuatorMng_Per1_CcwFound_0   | Cnt_lgc                   |            |
| target_Rte_Inst_Ap_EOTActuatorMng.EOTActuatorMng_Per1_CwEOT_HwDeg_f3   | target_EOTActuatorMng_Per1_CwEOT_HwI    | Deg_f32                   |            |
| $target\_Rte\_Inst\_Ap\_EOTActuatorMng.EOTActuatorMng\_Per1\_CwFound\_Cnt\_lgc$  | target_EOTActuatorMng_Per1_CwFound_Cr   | nt_lgc                    |            |
| target Rte Inst Ap EOTActuatorMng.EOTActuatorMng Per1 EOTDisable Cnt Ig  | target_EOTActuatorMng_Per1_EOTDisable_  | Cnt_lgc                   |            |
| $target\_Rte\_Inst\_Ap\_EOTActuatorMng.EOTActuatorMng\_Per1\_HandWheelAuth\_Ulerstand and the property of the proper$  | target_EOTActuatorMng_Per1_HandWheelA   | uth_Uls_f32               |            |
| target_Rte_Inst_Ap_EOTActuatorMng.EOTActuatorMng_Per1_HandWheelPos_Hw  | l target_EOTActuatorMng_Per1_HandWheelP | os_HwDeg_f32              |            |
| $target\_Rte\_Inst\_Ap\_EOTActuatorMng.EOTActuatorMng\_Per1\_HwTorque\_HwNm\_tracking = 0.0000000000000000000000000000000000$  | target_EOTActuatorMng_Per1_HwTorque_H   | wNm_f32                   |            |
| target_Rte_Inst_Ap_EOTActuatorMng.EOTActuatorMng_Per1_MotorVel_MtrRadpS  | target_EOTActuatorMng_Per1_MotorVel_Mt  | rRadpS_f32                |            |
| $target\_Rte\_Inst\_Ap\_EOTActuatorMng\_EOTActuatorMng\_Per1\_OutputRampMultLtd. \\$   | target_EOTActuatorMng_Per1_OutputRamp   | MultLtd_Uls_f32           |            |
| target_Rte_Inst_Ap_EOTActuatorMng.EOTActuatorMng_Per1_VehicleSpeed_Kph_  | target_EOTActuatorMng_Per1_VehicleSpee  | d_Kph_f32                 |            |
| Name   | Actual Value                            | Expected Value            | Result     |
| EOTActuatorMng_Damping_MtrNm_M_f32   | 2.62971997                              | 2.62971997 ± 0.0000390625 | ~          |
| EOTActuatorMng_EOTImpactPos_HwDeg_M_f32  | 456                                     | 456 ± 0.0000390625        | ~          |
| EOTActuatorMng_FiltEOTGainSV_HwNm_M_u1p31  | 1413955114                              | 1413955114 ± 1            | ~          |
| EOTActuatorMng_FiltHWTrqSV_HwNm_M_s7p24  | -38941440                               | -38941440 ± 1             | ✓          |
| EOTActuatorMng_OutputRampMultLtd_M_f32   | 0.245000005                             | 0.245000005 ± 0.00390625  | ~          |
| EOTActuatorMng_PrevEOTGain_Uls_M_f32   | 0.658416748                             | 0.658416748 ± 0.0625      | ~          |
| EOTActuatorMng_SESState_Uls_M_enum   | SES_NORMAL                              | SES_NORMAL                | ✓          |

|  |       |  |       | <b>✓</b> |
|--|-------|--|-------|----------|
| Actual Function                                    | Count | Expected Function                                  | Count | Result   |
| Rte_Call_EOTActuatorMng_Per1_CP0_CheckpointReached | 1     | Rte_Call_EOTActuatorMng_Per1_CP0_CheckpointReached | 1     | ~        |
| EOTDetermination                                   | 1     | EOTDetermination                                   | 1     | <b>~</b> |
| EOTOrigImpact                                      | 1     | EOTOrigImpact                                      | 1     | <b>~</b> |
| IntplVarXY_u16_u16Xu16Y_Cnt                        | 1     | IntplVarXY_u16_u16Xu16Y_Cnt                        | 1     | <b>~</b> |
| SES_DetLmtPos                                      | 1     | SES_DetLmtPos                                      | 1     | <b>~</b> |
| SES_CalcExitGain                                   | 1     | SES_CalcExitGain                                   | 1     | •        |
| IntplVarXY_u16_u16Xu16Y_Cnt                        | 1     | IntplVarXY_u16_u16Xu16Y_Cnt                        | 1     | -        |
| SES_CalcEnterGain                                  | 1     | SES_CalcEnterGain                                  | 1     | •        |
| BilinearXMYM_u16_u16XMu16YM_Cnt                    | 1     | BilinearXMYM_u16_u16XMu16YM_Cnt                    | 1     | •        |
| SES_CalcEOTGain                                    | 1     | SES_CalcEOTGain                                    | 1     | •        |
| SES_FiltEOTGain                                    | 1     | SES_FiltEOTGain                                    | 1     | •        |
| SES_CalcEOTDamp                                    | 1     | SES_CalcEOTDamp                                    | 1     | ~        |
| BilinearXMYM_u16_u16XMu16YM_Cnt                    | 1     | BilinearXMYM_u16_u16XMu16YM_Cnt                    | 1     | <b>~</b> |
| SES_StateCtrl                                      | 1     | SES_StateCtrl                                      | 1     | ~        |
| IntplVarXY_u16_u16Xu16Y_Cnt                        | 2     | IntplVarXY_u16_u16Xu16Y_Cnt                        | 2     | ~        |
| Rte_Call_EOTActuatorMng_Per1_CP1_CheckpointReached | 1     | Rte_Call_EOTActuatorMng_Per1_CP1_CheckpointReached | 1     | -        |

2.62971997

0.658416748 0.614882827 2.62971997 ± 0.00048828125

0.658416748 ± 0.0000390625

0.614882827 ± 0.00048828125

 $target\_EOTActuatorMng\_Per1\_AssistEOTDamping\_MtrNm\_f32.value$ 

 $target\_EOTActuatorMng\_Per1\_AssistEOTGain\_Uls\_f32.value$ 

 $target\_EOTActuatorMng\_Per1\_AssistEOTLimit\_MtrNm\_f32.value$ 



| Test Step 2.21 (Repeat Count = 1)   | Invest Value                      |
|---|-----------------------------------|
| Name  EOTActuatorMag Damping MtrNm M f22  | Input Value                       |
| EOTActuatorMng_Damping_MtrNm_M_f32  EOTActuatorMng_EOTImpactPos_HwDeg_M_f32                       | 3<br>248.889999                   |
| EOTActuatorMng_EOTIMpactFos_nwbeg_in_is2  EOTActuatorMng_FiltEOTGainSV_HwNm_M_u1p31               | 1202590843                        |
| EOTActuatorMng_FiltHWTrqSV_HwNm_M_s7p24   | 41943040                          |
| EOTActuatorMng_PrevEOTGain_Uls_M_f32  | 0.660000026                       |
| EOTActuatorMng_SESState_Uls_M_enum  | SES_NORMAL                        |
| Rte_Inst_Ap_EOTActuatorMng  | target_Rte_Inst_Ap_EOTActuatorMng |
| k_EOTActiveRegionBypassMaxThresh_Uls_f32  | 0.0430000015                      |
| k_EOTDefltPosition_HwDeg_u12p4  | 9072                              |
| k_EOTDeltaTrqThrsh_HwNm_u9p7  | 896                               |
| k_EOTDynConf_Uls_u8p8   | 53760<br>2345                     |
| k_EOTEnterLPFKn_Cnt_u16<br>k_EOTExitLPFKn_Cnt_u16   | 7544                              |
| k_EOTImpSpdEn_Kph_u9p7  | 7936                              |
| k_EOTOriginalImpactandSoftEnd_Cnt_lgc   | 0                                 |
| k_EOTPosDepDempFinalSlew_MtrNmpS_T_f32  | 89.1900024                        |
| k_EOTStateHwTrqLPFKn_Cnt_u16  | 3456                              |
| k_MaxRackTrvl_HwDeg_u12p4   | 2192                              |
| k_MinRackTrvl_HwDeg_u12p4   | 8864                              |
| k_PosRampStep_HwDeg_u12p4   | 10464                             |
| k_SoftStopEOTEnable_Cnt_lgc   | 0                                 |
| <_SpdIptScale_MtrNmpRadpS_u4p12 32_EOTEstorCoipX_HurDog_u42p4f0lf01                               | 88                                |
| 12_EOTEnterGainX_HwDeg_u12p4[0][0]<br>12_EOTEnterGainX_HwDeg_u12p4[0][1]                          | 96                                |
| tz_EOTEnterGainX_HwDeg_u1zp4[u][1]<br>t2_EOTEnterGainX_HwDeg_u12p4[0][2]                          | 192                               |
| t2_EOTEnterGainX_HwDeg_u12p4[0][3]  | 400                               |
| t2_EOTEnterGainX_HwDeg_u12p4[1][0]  | 800                               |
| t2_EOTEnterGainX_HwDeg_u12p4[1][1]  | 2384                              |
| t2_EOTEnterGainX_HwDeg_u12p4[1][2]  | 2400                              |
| t2_EOTEnterGainX_HwDeg_u12p4[1][3]  | 2416                              |
| t2_EOTEnterGainX_HwDeg_u12p4[2][0]  | 1440                              |
| t2_EOTEnterGainX_HwDeg_u12p4[2][1]  | 4304                              |
| t2_EOTEnterGainX_HwDeg_u12p4[2][2]  | 4320                              |
| t2_EOTEnterGainX_HwDeg_u12p4[2][3]<br>t2_EOTEnterGainX_HwDeg_u12p4[3][0]                          | 4336<br>2080                      |
| t2_EOTEnterGainX_HwDeg_u12p4[3][0] t2_EOTEnterGainX_HwDeg_u12p4[3][1]                             | 6224                              |
| 12_EOTEnterGainX_HwDeg_u12p4[3][2]  | 6240                              |
| t2_EOTEnterGainX_HwDeg_u12p4[3][3]  | 6256                              |
| t2_EOTEnterGainY_Uls_u1p15[0][0]  | 10                                |
| t2_EOTEnterGainY_Uls_u1p15[0][1]  | 11                                |
| t2_EOTEnterGainY_Uls_u1p15[0][2]  | 196                               |
| t2_EOTEnterGainY_Uls_u1p15[0][3]  | 1904                              |
| 12_EOTEnterGainY_Uls_u1p15[1][0]  | 11                                |
| t2_EOTEnterGainY_Uls_u1p15[1][1]  | 12                                |
| 12_EOTEnterGainY_Uls_u1p15[1][2]  | 225                               |
| :2_EOTEnterGainY_Uls_u1p15[1][3]<br>:2_EOTEnterGainY_Uls_u1p15[2][0]                              | 2189<br>11                        |
| 12_EOTEItierGainT_0is_u1p15[2][0]<br>12_EOTEnterGainY_Uls_u1p15[2][1]                             | 12                                |
| t2_EOTEnterGainY_Uls_u1p15[2][2]  | 216                               |
| 12_EOTEnterGainY_Uls_u1p15[2][3]  | 2094                              |
| 12_EOTEnterGainY_Uls_u1p15[3][0]  | 13                                |
| t2_EOTEnterGainY_Uls_u1p15[3][1]  | 14                                |
| t2_EOTEnterGainY_Uls_u1p15[3][2]  | 274                               |
| t2_EOTEnterGainY_Uls_u1p15[3][3]  | 2664                              |
| 12_EOTExPosDepDmpTblY_MtrNmpRadps_u0p16[0][0]   | 304                               |
| 2_EOTExPosDepDmpTblY_MtrNmpRadps_u0p16[0][1]  | 431                               |
| t2_EOTExPosDepDmpTblY_MtrNmpRadps_u0p16[1][0]   | 380                               |
| 2_EOTExPosDepDmpTblY_MtrNmpRadps_u0p16[1][1]  | 538                               |
| 2_EOTExPosDepDmpTblY_MtrNmpRadps_u0p16[2][0] 2_EOTExPosDepDmpTblY_MtrNmpRadps_u0p16[2][1]         | 380<br>538                        |
| 2_EOTEXPOSDEPDITIFTSIT_WithIntpRadps_u0p16[3][0] 2_EOTEXPOSDEPDITIFTSIT_WithIntpRadps_u0p16[3][0] | 334                               |
| 2_EOTEXPOSDepDmpTblY_MtrNmpRadps_u0p16[3][1]  | 474                               |
| 2_EOTPosDepDmpTblX_HwDeg_u12p4[0][0]  | 560                               |
| 2_EOTPosDepDmpTblX_HwDeg_u12p4[0][1]  | 720                               |
| 2_EOTPosDepDmpTblX_HwDeg_u12p4[1][0]  | 960                               |
| 2_EOTPosDepDmpTblX_HwDeg_u12p4[1][1]  | 1344                              |
| t2_EOTPosDepDmpTblX_HwDeg_u12p4[2][0]   | 848                               |
| t2_EOTPosDepDmpTblX_HwDeg_u12p4[2][1]   | 4336                              |
| t2_EOTPosDepDmpTblX_HwDeg_u12p4[3][0]   | 480                               |
| t2_EOTPosDepDmpTblX_HwDeg_u12p4[3][1]   | 864                               |
| t2_EOTPosDepDmpTblY_MtrNmpRadpS_u0p16[0][0]   | 43                                |

2015-06-29, 18:31:27+0530



| Name   | Input Value                             |                            |        |
|--|---|----------------------------|--------|
| t2_EOTPosDepDmpTblY_MtrNmpRadpS_u0p16[0][1]                          | 304                                     |                            |        |
| t2_EOTPosDepDmpTblY_MtrNmpRadpS_u0p16[1][0]                          | 440                                     |                            |        |
| t2_EOTPosDepDmpTblY_MtrNmpRadpS_u0p16[1][1]                          | 624                                     |                            |        |
| t2_EOTPosDepDmpTblY_MtrNmpRadpS_u0p16[2][0]                          | 365                                     |                            |        |
| t2_EOTPosDepDmpTblY_MtrNmpRadpS_u0p16[2][1]                          | 517                                     |                            |        |
| t2_EOTPosDepDmpTblY_MtrNmpRadpS_u0p16[3][0]                          | 47                                      |                            |        |
| t2_EOTPosDepDmpTblY_MtrNmpRadpS_u0p16[3][1]                          | 65                                      |                            |        |
| t_EOTDmpVspd_Kph_u9p7[0]   | 6400                                    |                            |        |
| t_EOTDmpVspd_Kph_u9p7[1]   | 19072                                   |                            |        |
| t_EOTDmpVspd_Kph_u9p7[2]   | 19200                                   |                            |        |
| t EOTDmpVspd Kph u9p7[3]   | 19328                                   |                            |        |
| t_EOTEnterGainVspd_Kph_u9p7[0]                                       | 6400                                    |                            |        |
| t_EOTEnterGainVspd_Kph_u9p7[1]                                       | 19072                                   |                            |        |
| t_EOTEnterGainVspd_Kph_u9p7[2]                                       | 19200                                   |                            |        |
| t_EOTEnterGainVspd_Kph_u9p7[3]                                       | 19328                                   |                            |        |
|  | 400                                     |                            |        |
| t_SpdlptTblXTbl_HwDeg_u12p4[0]                                       | 544                                     |                            |        |
| t_SpdlptTblXTbl_HwDeg_u12p4[1]  t_SpdlptTblXTbl_MtrPadpS_u12p4[0]    | 480                                     |                            |        |
| t_SpdlptTblYTbl_MtrRadpS_u12p4[0]                                    |   |                            |        |
| t_SpdIptTblYTbl_MtrRadpS_u12p4[1]                                    | 0                                       |                            |        |
| t_TrqTableX_HwNm_u8p8[0]   |   |                            |        |
| t_TrqTableX_HwNm_u8p8[1]   | 256                                     |                            |        |
| t_TrqTblY_Uls_u2p14[0]   | 262                                     |                            |        |
| t_TrqTblY_Uls_u2p14[1]   | 344                                     |                            |        |
| target_EOTActuatorMng_Per1_CcwEOT_HwDeg_f32.value                    | -1400.18994                             |                            |        |
| target_EOTActuatorMng_Per1_CcwFound_Cnt_lgc.value                    | 1                                       | OFO DIOADI FD              |        |
| target_EOTActuatorMng_Per1_CwEOT_HwDeg_f32.value                     | 800.153992                              | SES DISABLED               |        |
| target_EOTActuatorMng_Per1_CwFound_Cnt_lgc.value                     | 0                                       |                            |        |
| target_EOTActuatorMng_Per1_EOTDisable_Cnt_lgc.value                  | 0                                       | -                          |        |
| target_EOTActuatorMng_Per1_HandWheelAuth_Uls_f32.value               | 0                                       |                            |        |
| target_EOTActuatorMng_Per1_HandWheelPos_HwDeg_f32.value              | -0.800000012                            |                            |        |
| target_EOTActuatorMng_Per1_HwTorque_HwNm_f32.value                   | -2.5                                    |                            |        |
| target_EOTActuatorMng_Per1_MotorVel_MtrRadpS_f32.value               | 0.00200000009                           |                            |        |
| target_EOTActuatorMng_Per1_OutputRampMultLtd_Uls_f32.value           | 0.0680000037                            |                            |        |
| target_EOTActuatorMng_Per1_VehicleSpeed_Kph_f32.value                | 23.5799999                              |                            |        |
| target_Rte_Inst_Ap_EOTActuatorMng.EOTActuatorMng_Per1_AssistEOTDan   | nping_ target_EOTActuatorMng_Per1_Ass   | sistEOTDamping_MtrNm_f32   |        |
| target_Rte_Inst_Ap_EOTActuatorMng.EOTActuatorMng_Per1_AssistEOTGair  | n_Uls_ target_EOTActuatorMng_Per1_Ass   | sistEOTGain_Uls_f32        |        |
| target_Rte_Inst_Ap_EOTActuatorMng.EOTActuatorMng_Per1_AssistEOTLimit | it_Mtrl target_EOTActuatorMng_Per1_Ass  | sistEOTLimit_MtrNm_f32     |        |
| target_Rte_Inst_Ap_EOTActuatorMng.EOTActuatorMng_Per1_CcwEOT_HwD     | Deg_f3 target_EOTActuatorMng_Per1_Ccv   | wEOT_HwDeg_f32             |        |
| target_Rte_Inst_Ap_EOTActuatorMng.EOTActuatorMng_Per1_CcwFound_Cn    | nt_lgc   target_EOTActuatorMng_Per1_Ccv | wFound_Cnt_lgc             |        |
| target_Rte_Inst_Ap_EOTActuatorMng.EOTActuatorMng_Per1_CwEOT_HwDe     | eg_f32 target_EOTActuatorMng_Per1_Cw    | EOT_HwDeg_f32              |        |
| target_Rte_Inst_Ap_EOTActuatorMng.EOTActuatorMng_Per1_CwFound_Cnt_   | _lgc                                    | Found_Cnt_lgc              |        |
| target Rte Inst Ap EOTActuatorMng.EOTActuatorMng Per1 EOTDisable C   | Cnt lgc target_EOTActuatorMng_Per1_EO   | TDisable_Cnt_lgc           |        |
| target Rte Inst Ap EOTActuatorMng.EOTActuatorMng Per1 HandWheelAu    | th Uls target_EOTActuatorMng_Per1_Hai   | ndWheelAuth_Uls_f32        |        |
| target_Rte_Inst_Ap_EOTActuatorMng.EOTActuatorMng_Per1_HandWheelPo    | s_Hwl target_EOTActuatorMng_Per1_Hai    | ndWheelPos_HwDeg_f32       |        |
| target_Rte_Inst_Ap_EOTActuatorMng.EOTActuatorMng_Per1_HwTorque_Hw    | /Nm_f: target_EOTActuatorMng_Per1_Hw    | Torque_HwNm_f32            |        |
| target_Rte_Inst_Ap_EOTActuatorMng.EOTActuatorMng_Per1_MotorVel_MtrF  | RadpS target_EOTActuatorMng_Per1_Mo     | torVel_MtrRadpS_f32        |        |
| target_Rte_Inst_Ap_EOTActuatorMng.EOTActuatorMng_Per1_OutputRampM    | lultLtd_ target_EOTActuatorMng_Per1_Out | tputRampMultLtd_Uls_f32    |        |
| target_Rte_Inst_Ap_EOTActuatorMng.EOTActuatorMng_Per1_VehicleSpeed_  | Kph_ target_EOTActuatorMng_Per1_Vel     | hicleSpeed_Kph_f32         |        |
| Name   | Actual Value                            | Expected Value             | Result |
| EOTActuatorMng Damping MtrNm M f32                                   | 2.82161999                              | 2.82161999 ± 0.0000390625  |        |
| EOTActuatorMng_EOTImpactPos_HwDeg_M_f32                              | 567                                     | 567 ± 0.0000390625         | •      |
| EOTActuatorMng FiltEOTGainSV HwNm M u1p31                            | 1164024973                              | 1164024973 ± 1             |        |
| EOTActuatorMng FiltHWTrqSV HwNm M s7p24                              | 41943040                                | 41943040 ± 1               |        |
| EOTActuatorMng_OutputRampMultLtd_M_f32                               | 0.0680000037                            | 0.0680000037 ± 0.00390625  |        |
| EOTActuatorMng_PrevEOTGain_Uls_M_f32                                 | 0.542022705                             | 0.542022705 ± 0.0625       |        |
| EOTActuatorMng_SESState_Uls_M_enum                                   | SES DISABLED                            | SES_DISABLED               |        |
| g_o_ooa.o_o.oo.lam   | 020_0.0.0220                            | 020_0.0.0220               |        |
| target EOTActuatorMng Per1 AssistEOTDamping MtrNm f32.value          | 2.82161999                              | 2.82161999 ± 0.00048828125 |        |



| T  |       |  |       | V        |
|--|-------|--|-------|----------|
| Actual Function                                    | Count | Expected Function                                  | Count | Result   |
| Rte_Call_EOTActuatorMng_Per1_CP0_CheckpointReached | 1     | Rte_Call_EOTActuatorMng_Per1_CP0_CheckpointReached | 1     | ~        |
| EOTDetermination                                   | 1     | EOTDetermination                                   | 1     | •        |
| EOTOrigImpact                                      | 1     | EOTOrigImpact                                      | 1     | ~        |
| IntplVarXY_u16_u16Xu16Y_Cnt                        | 1     | IntplVarXY_u16_u16Xu16Y_Cnt                        | 1     | •        |
| SES_DetLmtPos                                      | 1     | SES_DetLmtPos                                      | 1     | ~        |
| SES_CalcExitGain                                   | 1     | SES_CalcExitGain                                   | 1     | ~        |
| IntplVarXY_u16_u16Xu16Y_Cnt                        | 1     | IntplVarXY_u16_u16Xu16Y_Cnt                        | 1     | ~        |
| SES_CalcEnterGain                                  | 1     | SES_CalcEnterGain                                  | 1     | ~        |
| BilinearXMYM_u16_u16XMu16YM_Cnt                    | 1     | BilinearXMYM_u16_u16XMu16YM_Cnt                    | 1     | ~        |
| SES_CalcEOTGain                                    | 1     | SES_CalcEOTGain                                    | 1     | ~        |
| SES_FiltEOTGain                                    | 1     | SES_FiltEOTGain                                    | 1     | ~        |
| SES_CalcEOTDamp                                    | 1     | SES_CalcEOTDamp                                    | 1     | <b>✓</b> |
| BilinearXMYM_u16_u16XMu16YM_Cnt                    | 1     | BilinearXMYM_u16_u16XMu16YM_Cnt                    | 1     | ~        |
| SES_StateCtrl                                      | 1     | SES_StateCtrl                                      | 1     | ~        |
| Rte_Call_EOTActuatorMng_Per1_CP1_CheckpointReached | 1     | Rte_Call_EOTActuatorMng_Per1_CP1_CheckpointReached | 1     | ~        |

| Test Step 2.22 (Repeat Count = 1)         | ✓                                 |
|---|-----------------------------------|
| Name                                      | Input Value                       |
| EOTActuatorMng_Damping_MtrNm_M_f32        | 3.20000005                        |
| EOTActuatorMng_EOTImpactPos_HwDeg_M_f32   | 200.145004                        |
| EOTActuatorMng_FiltEOTGainSV_HwNm_M_u1p31 | 966367642                         |
| EOTActuatorMng_FiltHWTrqSV_HwNm_M_s7p24   | -25165824                         |
| EOTActuatorMng_PrevEOTGain_Uls_M_f32      | 0.550000012                       |
| EOTActuatorMng_SESState_Uls_M_enum        | SES_ENTERING                      |
| Rte_Inst_Ap_EOTActuatorMng                | target_Rte_Inst_Ap_EOTActuatorMng |
| k_EOTActiveRegionBypassMaxThresh_Uls_f32  | 0.69599998                        |
| k_EOTDefltPosition_HwDeg_u12p4            | 10848                             |
| k_EOTDeltaTrqThrsh_HwNm_u9p7              | 768                               |
| k_EOTDynConf_Uls_u8p8                     | 56320                             |
| k_EOTEnterLPFKn_Cnt_u16                   | 3456                              |
| k_EOTExitLPFKn_Cnt_u16                    | 3564                              |
| k_EOTImpSpdEn_Kph_u9p7                    | 8064                              |
| k_EOTOriginalImpactandSoftEnd_Cnt_lgc     | 1                                 |
| k_EOTPosDepDempFinalSlew_MtrNmpS_T_f32    | 93.2399979                        |
| k_EOTStateHwTrqLPFKn_Cnt_u16              | 100                               |
| k_MaxRackTrvl_HwDeg_u12p4                 | 2208                              |
| k_MinRackTrvl_HwDeg_u12p4                 | 6512                              |
| k_PosRampStep_HwDeg_u12p4                 | 10848                             |
| k_SoftStopEOTEnable_Cnt_lgc               | 1                                 |
| k_SpdIptScale_MtrNmpRadpS_u4p12           | 88                                |
| t2_EOTEnterGainX_HwDeg_u12p4[0][0]        | 256                               |
| t2_EOTEnterGainX_HwDeg_u12p4[0][1]        | 448                               |
| t2_EOTEnterGainX_HwDeg_u12p4[0][2]        | 592                               |
| t2_EOTEnterGainX_HwDeg_u12p4[0][3]        | 640                               |
| t2_EOTEnterGainX_HwDeg_u12p4[1][0]        | 816                               |
| t2_EOTEnterGainX_HwDeg_u12p4[1][1]        | 2432                              |
| t2_EOTEnterGainX_HwDeg_u12p4[1][2]        | 2448                              |
| t2_EOTEnterGainX_HwDeg_u12p4[1][3]        | 2464                              |
| t2_EOTEnterGainX_HwDeg_u12p4[2][0]        | 1456                              |
| t2_EOTEnterGainX_HwDeg_u12p4[2][1]        | 4352                              |
| t2_EOTEnterGainX_HwDeg_u12p4[2][2]        | 4368                              |
| t2_EOTEnterGainX_HwDeg_u12p4[2][3]        | 4384                              |
| t2_EOTEnterGainX_HwDeg_u12p4[3][0]        | 2096                              |
| t2_EOTEnterGainX_HwDeg_u12p4[3][1]        | 6272                              |
| t2_EOTEnterGainX_HwDeg_u12p4[3][2]        | 6288                              |
| t2_EOTEnterGainX_HwDeg_u12p4[3][3]        | 6304                              |
| t2_EOTEnterGainY_Uls_u1p15[0][0]          | 5                                 |
| t2_EOTEnterGainY_Uls_u1p15[0][1]          | 5                                 |
| t2_EOTEnterGainY_Uls_u1p15[0][2]          | 20                                |
| t2_EOTEnterGainY_Uls_u1p15[0][3]          | 193                               |
| t2_EOTEnterGainY_Uls_u1p15[1][0]          | 7                                 |
| t2_EOTEnterGainY_Uls_u1p15[1][1]          | 7                                 |
| t2_EOTEnterGainY_Uls_u1p15[1][2]          | 78                                |
| t2_EOTEnterGainY_Uls_u1p15[1][3]          | 763                               |
| t2_EOTEnterGainY_Uls_u1p15[2][0]          | 6                                 |
| t2_EOTEnterGainY_Uls_u1p15[2][1]          | 7                                 |
| t2_EOTEnterGainY_Uls_u1p15[2][2]          | 69                                |
| t2_EOTEnterGainY_Uls_u1p15[2][3]          | 668                               |
|   |                                   |

2015-06-29, 18:31:27+0530



EOTActuatorMng\_Per1

| Name   | Input Value                             |                           |          |
|--|---|---------------------------|----------|
| t2_EOTEnterGainY_Uls_u1p15[3][0]   | 5                                       |                           |          |
| t2_EOTEnterGainY_Uls_u1p15[3][1]   | 5                                       |                           |          |
| t2_EOTEnterGainY_Uls_u1p15[3][2]   | 20                                      |                           |          |
| t2_EOTEnterGainY_Uls_u1p15[3][3]   | 193                                     |                           |          |
| t2_EOTExPosDepDmpTblY_MtrNmpRadps_u0p16[0][0]  | 319                                     |                           |          |
| t2_EOTExPosDepDmpTblY_MtrNmpRadps_u0p16[0][1]  | 452                                     |                           |          |
| t2_EOTExPosDepDmpTblY_MtrNmpRadps_u0p16[1][0]  | 395                                     |                           |          |
| t2_EOTExPosDepDmpTblY_MtrNmpRadps_u0p16[1][1]  | 560                                     |                           |          |
| t2_EOTExPosDepDmpTblY_MtrNmpRadps_u0p16[2][0]  | 395                                     |                           |          |
| t2_EOTExPosDepDmpTblY_MtrNmpRadps_u0p16[2][1]  | 560                                     |                           |          |
| t2_EOTExPosDepDmpTblY_MtrNmpRadps_u0p16[3][0]  | 349                                     |                           |          |
| t2_EOTExPosDepDmpTblY_MtrNmpRadps_u0p16[3][1]  | 495                                     |                           |          |
| t2_EOTPosDepDmpTblX_HwDeg_u12p4[0][0]  | 224                                     |                           |          |
| t2_EOTPosDepDmpTblX_HwDeg_u12p4[0][1]  | 4208                                    |                           |          |
| t2_EOTPosDepDmpTblX_HwDeg_u12p4[1][0]  | 1024                                    |                           |          |
| t2_EOTPosDepDmpTblX_HwDeg_u12p4[1][1]  | 1408                                    |                           |          |
| t2_EOTPosDepDmpTblX_HwDeg_u12p4[2][0]  | 736                                     |                           |          |
| t2_EOTPosDepDmpTbIX_HwDeg_u12p4[2][1]  | 3344                                    |                           |          |
| t2_EOTPosDepDmpTbIX_HwDeg_u12p4[3][0]  | 496                                     |                           |          |
| t2_EOTPosDepDmpTblX_HwDeg_u12p4[3][1]  | 880                                     |                           |          |
| t2_EOTPosDepDmpTblY_MtrNmpRadpS_u0p16[0][0]  | 45                                      |                           |          |
| t2_EOTPosDepDmpTblY_MtrNmpRadpS_uop16[0][0] t2_EOTPosDepDmpTblY_MtrNmpRadpS_u0p16[0][1]  | 319                                     |                           |          |
|  |   |                           |          |
| t2_EOTPosDepDmpTblY_MtrNmpRadpS_u0p16[1][0]  | 168                                     |                           |          |
| t2_EOTPosDepDmpTblY_MtrNmpRadpS_u0p16[1][1]  | 237                                     |                           |          |
| t2_EOTPosDepDmpTblY_MtrNmpRadpS_u0p16[2][0]  | 380                                     |                           |          |
| t2_EOTPosDepDmpTblY_MtrNmpRadpS_u0p16[2][1]  | 538                                     |                           |          |
| t2_EOTPosDepDmpTblY_MtrNmpRadpS_u0p16[3][0]  | 87                                      |                           |          |
| t2_EOTPosDepDmpTblY_MtrNmpRadpS_u0p16[3][1]  | 62                                      |                           |          |
| t_EOTDmpVspd_Kph_u9p7[0]   | 6528                                    |                           |          |
| t_EOTDmpVspd_Kph_u9p7[1]   | 19456                                   |                           |          |
| t_EOTDmpVspd_Kph_u9p7[2]   | 19584                                   |                           |          |
| t_EOTDmpVspd_Kph_u9p7[3]   | 19712                                   |                           |          |
| t_EOTEnterGainVspd_Kph_u9p7[0]   | 6528                                    |                           |          |
| t_EOTEnterGainVspd_Kph_u9p7[1]   | 19456                                   |                           |          |
| t_EOTEnterGainVspd_Kph_u9p7[2]   | 19584                                   |                           |          |
| t_EOTEnterGainVspd_Kph_u9p7[3]   | 19712                                   |                           |          |
| t_SpdIptTbIXTbl_HwDeg_u12p4[0]   | 416                                     |                           |          |
| t_SpdlptTblXTbl_HwDeg_u12p4[1]   | 560                                     |                           |          |
| t_SpdlptTblYTbl_MtrRadpS_u12p4[0]  | 496                                     |                           |          |
| t_SpdlptTblYTbl_MtrRadpS_u12p4[0]  | 880                                     |                           |          |
|  | 2048                                    |                           |          |
| t_TrqTableX_HwNm_u8p8[0]   |   |                           |          |
| t_TrqTableX_HwNm_u8p8[1]   | 2304                                    |                           |          |
| t_TrqTblY_Uls_u2p14[0]   | 279                                     |                           |          |
| t_TrqTblY_Uls_u2p14[1]   | 360                                     |                           |          |
| target_EOTActuatorMng_Per1_CcwEOT_HwDeg_f32.value  | -111.07                                 |                           |          |
| target_EOTActuatorMng_Per1_CcwFound_Cnt_lgc.value  | 1                                       |                           |          |
| target_EOTActuatorMng_Per1_CwEOT_HwDeg_f32.value   | 200.824005                              |                           |          |
| target_EOTActuatorMng_Per1_CwFound_Cnt_lgc.value   | 1                                       |                           |          |
| target_EOTActuatorMng_Per1_EOTDisable_Cnt_lgc.value  | 1                                       |                           |          |
| target_EOTActuatorMng_Per1_HandWheelAuth_Uls_f32.value   | 1                                       |                           |          |
| target_EOTActuatorMng_Per1_HandWheelPos_HwDeg_f32.value  | 0                                       |                           |          |
| target_EOTActuatorMng_Per1_HwTorque_HwNm_f32.value   | 3.5                                     |                           |          |
| target_EOTActuatorMng_Per1_MotorVel_MtrRadpS_f32.value   | 0.00300000003                           |                           |          |
| target_EOTActuatorMng_Per1_OutputRampMultLtd_Uls_f32.value   | 0.0549999997                            |                           |          |
| target_EOTActuatorMng_Per1_VehicleSpeed_Kph_f32.value  | 9.53999996                              |                           |          |
| target_Rte_Inst_Ap_EOTActuatorMng.EOTActuatorMng_Per1_AssistEOTDamping_  |   | mping MtrNm f32           |          |
| target Rte Inst Ap EOTActuatorMng.EOTActuatorMng Per1 AssistEOTGain Uls  |   |                           |          |
| target Rte Inst Ap EOTActuatorMng.EOTActuatorMng Per1 AssistEOTLimit Mtr1  | 0                                       |                           |          |
| target Rte Inst Ap EOTActuatorMng.EOTActuatorMng Per1 CcwEOT HwDeg f3  | 0                                       |                           |          |
| target Rte Inst Ap EOTActuatorMng.EOTActuatorMng Perl CcwEOT_mwbeg_is  | target EOTActuatorMng Per1 CcwEoT_Hw    | ·-                        |          |
| target_Rte_Inst_Ap_EOTActuatorMng.EOTActuatorMng_Per1_CcwPoUrid_Crit_igc target_Rte_Inst_Ap_EOTActuatorMng.EOTActuatorMng_Per1_CwEOT_HwDeg_f32   | 9                                       |                           |          |
| target_Rte_Inst_Ap_EOTActuatorMng.EOTActuatorMng_Per1_CwFound_Cnt_lgc  |   |                           |          |
| target_Rie_Inst_Ap_EOTActuatorMng.EOTActuatorMng_Peri_CwFound_Cnt_gc target_Rie_Inst_Ap_EOTActuatorMng.EOTActuatorMng_Peri_CwFound_Cnt_gc  | target_EOTActuatorMng_Per1_CwFound_Cn   |                           |          |
|  | , <u> </u>                              |                           |          |
| target_Rte_Inst_Ap_EOTActuatorMng.EOTActuatorMng_Per1_HandWheelAuth_Uls  |   |                           |          |
| target_Rte_Inst_Ap_EOTActuatorMng.EOTActuatorMng_Per1_HandWheelPos_Hwl   | , _ ,                                   |                           |          |
| target_Rte_Inst_Ap_EOTActuatorMng.EOTActuatorMng_Per1_HwTorque_HwNm_f  |   | _                         |          |
| target_Rte_Inst_Ap_EOTActuatorMng.EOTActuatorMng_Per1_MotorVel_MtrRadpS  | , _ ,                                   | · <del>-</del>            |          |
| $target\_Rte\_Inst\_Ap\_EOTActuatorMng.EOTActuatorMng\_Per1\_OutputRampMultLtd\_Inst\_Ap\_EOTActuatorMng\_Per1\_OutputRampMultLtd\_Inst\_Ap\_EOTActuatorMng\_Per1\_OutputRampMultLtd\_Inst\_Ap\_EOTActuatorMng\_Per1\_OutputRampMultLtd\_Inst\_Ap\_EOTActuatorMng\_Per1\_OutputRampMultLtd\_Inst\_Ap\_EOTActuatorMng\_Per1\_OutputRampMultLtd\_Inst\_Ap\_EOTActuatorMng\_Per1\_OutputRampMultLtd\_Inst\_Ap\_EOTActuatorMng\_Per1\_OutputRampMultLtd\_Inst\_Ap\_EOTActuatorMng\_Per1\_OutputRampMultLtd\_Inst_Ap\_EOTActuatorMng\_Per1\_OutputRampMu$ | target_EOTActuatorMng_Per1_OutputRampN  |                           |          |
| target Rte Inst Ap EOTActuatorMng.EOTActuatorMng Per1 VehicleSpeed Kph   | target_EOTActuatorMng_Per1_VehicleSpeed | I_Kph_f32                 |          |
| Name   | Actual Value                            | Expected Value            | Result   |
| EOTActuatorMng_Damping_MtrNm_M_f32   | 3.01352                                 | 3.01352 ± 0.0000390625    | <b>✓</b> |
| EOTActuatorMng_EOTImpactPos_HwDeg_M_f32  | 200.145004                              | 200.145004 ± 0.0000390625 | <b>✓</b> |
| EOTActuatorMng FiltEOTGainSV HwNm M u1p31  | 916075930                               | 916075930 ± 1             | ~        |

916075930

916075930 ± 1

2015-06-29, 18:31:27+0530



| Name  | Actual Value | Expected Value             | Result   |
|---|--------------|----------------------------|----------|
| EOTActuatorMng_FiltHWTrqSV_HwNm_M_s7p24                     | -25037824    | -25037824 ± 1              | <b>✓</b> |
| EOTActuatorMng_OutputRampMultLtd_M_f32                      | 0.0549999997 | 0.0549999997 ± 0.00390625  | •        |
| EOTActuatorMng_PrevEOTGain_Uls_M_f32                        | 0.426574707  | 0.426574707 ± 0.0625       | •        |
| EOTActuatorMng_SESState_Uls_M_enum                          | SES_DISABLED | SES_DISABLED               | •        |
| target_EOTActuatorMng_Per1_AssistEOTDamping_MtrNm_f32.value | 3.01352      | 3.01352 ± 0.00048828125    | •        |
| target_EOTActuatorMng_Per1_AssistEOTGain_Uls_f32.value      | 0.426574707  | 0.426574707 ± 0.0000390625 | •        |
| target_EOTActuatorMng_Per1_AssistEOTLimit_MtrNm_f32.value   | 8.80000019   | 8.80000019 ± 0.00048828125 | •        |

| T T  |       |  |       | V        |
|--|-------|--|-------|----------|
| Actual Function                                    | Count | Expected Function                                  | Count | Result   |
| Rte_Call_EOTActuatorMng_Per1_CP0_CheckpointReached | 1     | Rte_Call_EOTActuatorMng_Per1_CP0_CheckpointReached | 1     | ~        |
| EOTDetermination                                   | 1     | EOTDetermination                                   | 1     | <b>~</b> |
| SES_DetLmtPos                                      | 1     | SES_DetLmtPos                                      | 1     | <b>~</b> |
| SES_CalcExitGain                                   | 1     | SES_CalcExitGain                                   | 1     | <b>~</b> |
| IntplVarXY_u16_u16Xu16Y_Cnt                        | 1     | IntplVarXY_u16_u16Xu16Y_Cnt                        | 1     | -        |
| SES_CalcEnterGain                                  | 1     | SES_CalcEnterGain                                  | 1     | •        |
| BilinearXMYM_u16_u16XMu16YM_Cnt                    | 1     | BilinearXMYM_u16_u16XMu16YM_Cnt                    | 1     | -        |
| SES_CalcEOTGain                                    | 1     | SES_CalcEOTGain                                    | 1     | ~        |
| SES_FiltEOTGain                                    | 1     | SES_FiltEOTGain                                    | 1     | -        |
| SES_CalcEOTDamp                                    | 1     | SES_CalcEOTDamp                                    | 1     | <b>~</b> |
| BilinearXMYM_u16_u16XMu16YM_Cnt                    | 1     | BilinearXMYM_u16_u16XMu16YM_Cnt                    | 1     | <b>~</b> |
| SES_StateCtrl                                      | 1     | SES_StateCtrl                                      | 1     | •        |
| Rte_Call_EOTActuatorMng_Per1_CP1_CheckpointReached | 1     | Rte_Call_EOTActuatorMng_Per1_CP1_CheckpointReached | 1     | ~        |

| Name  | Input Value                       |
|---|-----------------------------------|
| EOTActuatorMng Damping MtrNm M f32                              | 3.4000001                         |
| EOTActuatorMng EOTImpactPos HwDeg M f32                         | 342.355988                        |
| EOTActuatorMng FiltEOTGainSV HwNm M u1p31                       | 730144440                         |
| EOTActuatorMng FiltHWTrgSV HwNm M s7p24                         | 25165824                          |
| EOTActuatorMng_PrevEOTGain_Uls_M_f32                            | 0.43999998                        |
| EOTActuatorMng_SESState_Uls_M_enum                              | SES NORMAL                        |
| Rte_Inst_Ap_EOTActuatorMng                                      | target_Rte_Inst_Ap_EOTActuatorMng |
| <pre>c_EOTActiveRegionBypassMaxThresh_Uls_f32</pre>             | 0.61500001                        |
| EOTDefltPosition HwDeg u12p4                                    | 12624                             |
| EOTDeltaTrgThrsh HwNm u9p7                                      | 640                               |
| E_EOTDynConf_Uls_u8p8   | 0                                 |
| EOTEnterLPFKn Cnt u16   | 999                               |
| EOTExitLPFKn Cnt u16  | 6543                              |
| EOTImpSpdEn Kph u9p7  | 8192                              |
| EOTOriginalImpactandSoftEnd Cnt lgc                             | 0                                 |
| C_EOTPosDepDempFinalSlew_MtrNmpS_T_f32                          | 97,2900009                        |
| c_EOTStateHwTrqLPFKn_Cnt_u16                                    | 200                               |
| oracles.minq_sind_arrows<br>c_MaxRackTrvl_HwDeg_u12p4           | 2224                              |
| MinRackTrvl HwDeg u12p4   | 15440                             |
| PosRampStep HwDeg u12p4   | 9072                              |
| SoftStopEOTEnable Cnt lgc                                       | 1                                 |
| SpdlptScale MtrNmpRadpS u4p12                                   | 89                                |
| 2_EOTEnterGainX_HwDeg_u12p4[0][0]                               | 800                               |
| 2 EOTEnterGainX HwDeg u12p4[0][1]                               | 960                               |
| 2 EOTEnterGainX HwDeg u12p4[0][2]                               | 1120                              |
| 2 EOTEnterGainX HwDeg u12p4[0][3]                               | 1280                              |
| 2_EOTEnterGainX_HwDeg_u12p4[1][0]                               | 832                               |
| 2_EOTEnterGainX_HwDeg_u12p4[1][1]                               | 2480                              |
| 2 EOTEnterGainX HwDeg u12p4[1][2]                               | 2496                              |
| 2 EOTEnterGainX HwDeg u12p4[1][3]                               | 2512                              |
| 2 EOTEnterGainX HwDeg u12p4[2][0]                               | 1472                              |
| 2_EOTEnterGainX_HwDeg_u12p4[2][1]                               | 4400                              |
| 2 EOTEnterGainX HwDeg u12p4[2][2]                               | 4416                              |
| 2 EOTEnterGainX HwDeg u12p4[2][3]                               | 4432                              |
| 2 EOTEnterGainX HwDeg u12p4[3][0]                               | 2112                              |
| 2 EOTEnterGainX HwDeg u12p4[3][1]                               | 6320                              |
| 2_EOTEnterGainX_HwDeg_u12p4[3][2]                               | 6336                              |
| 2_EOTEnterGainX_HwDeg_u12p4[3][3]                               | 6352                              |
| 2_EOTEnterGainY_I/Wbcg_u1p15[0][0]                              | 5                                 |
| 2_EOTEnterGainY_Uls_u1p15[0][1]                                 | 6                                 |
| 2_EOTEnterGainY_Uls_u1p15[0][2]                                 | 29                                |
| 2_EOTEnterGainY_Uls_u1p15[0][3]                                 | 288                               |
| 2_EOTEnterGainY_Uls_u1p15[0][0]                                 | 7                                 |
| 2_EOTEnterGainY_0is_u1p15[1][0] 2_EOTEnterGainY_Uls_u1p15[1][1] | 8                                 |

2015-06-29, 18:31:27+0530



| EOTACtuatorwing_Peri   | MACIMI  |
|--|---|
| Name   | Input Value   |
| t2_EOTEnterGainY_Uls_u1p15[1][2]   | 88  |
| t2 EOTEnterGainY Uls u1p15[1][3]   | 859   |
| t2_EOTEnterGainY_Uls_u1p15[2][0]   | 7   |
| t2_EOTEnterGainY_Uls_u1p15[2][1]   | 7   |
| 12_EOTEnterGainY_Uls_u1p15[2][2]   | 78  |
| t2_EOTEnterGainY_Uls_u1p15[2][3]   | 763   |
| t2_EOTEnterGainY_Uls_u1p15[3][0]   | 288   |
| t2_EOTEnterGainY_Uls_u1p15[3][1]   | 29  |
| 12_EOTEnterGainY_Uls_u1p15[3][2]   | 5   |
| 12_EOTEnterGainY_Uls_u1p15[3][3]   | 6   |
| t2_EOTExPosDepDmpTblY_MtrNmpRadps_u0p16[0][0]  | 334   |
| t2_EOTExPosDepDmpTblY_MtrNmpRadps_u0p16[0][1]  | 474   |
| 2_EOTExPosDepDmpTblY_MtrNmpRadps_u0p16[1][0]   | 410   |
| 2_EOTExPosDepDmpTblY_MtrNmpRadps_u0p16[1][1]   | 581   |
| 2_EOTExPosDepDmpTblY_MtrNmpRadps_u0p16[2][0]   | 410   |
| 2_EOTExPosDepDmpTblY_MtrNmpRadps_u0p16[2][1]   | 581   |
| 2_EOTExPosDepDmpTblY_MtrNmpRadps_u0p16[3][0]   | 365   |
| t2_EOTExPosDepDmpTblY_MtrNmpRadps_u0p16[3][1]  | 517   |
| 2_EOTPosDepDmpTblX_HwDeg_u12p4[0][0]   | 256   |
| 2_EOTPosDepDmpTblX_HwDeg_u12p4[0][1]   | 4224  |
| 12_EOTPosDepDmpTblX_HwDeg_u12p4[1][0]  | 1040  |
| 2_EOTPosDepDmpTblX_HwDeg_u12p4[1][1]   | 1424  |
| 2_EOTPosDepDmpTbIX_HwDeg_u12p4[2][0]   | 768   |
| 2_EOTPosDepDmpTblX_HwDeg_u12p4[2][1]   | 3360  |
| 12_EOTPosDepDmpTblX_HwDeg_u12p4[3][0]  | 512   |
| 2_EOTPosDepDmpTblX_HwDeg_u12p4[3][1]   | 896   |
| 2_EOTPosDepDmpTblY_MtrNmpRadpS_u0p16[0][0]   | 47  |
| t2_EOTPosDepDmpTblY_MtrNmpRadpS_u0p16[0][1]  | 334   |
| 12_EOTPosDepDmpTblY_MtrNmpRadpS_u0p16[1][0]  | 183   |
| 12_EOTPosDepDmpTblY_MtrNmpRadpS_u0p16[1][1]  | 259   |
| 12_EOTPosDepDmpTblY_MtrNmpRadpS_u0p16[2][0]  | 395   |
| t2_EOTPosDepDmpTblY_MtrNmpRadpS_u0p16[2][1]  | 560   |
| 12_EOTPosDepDmpTblY_MtrNmpRadpS_u0p16[3][0]  | 77  |
| 12_EOTPosDepDmpTblY_MtrNmpRadpS_u0p16[3][1]  | 108   |
| t_EOTDmpVspd_Kph_u9p7[0]   | 6656  |
| t_EOTDmpVspd_Kph_u9p7[1]   | 19840   |
| t_EOTDmpVspd_Kph_u9p7[2]   | 19968   |
| t_EOTDmpVspd_Kph_u9p7[3]   | 20096   |
| t_EOTEnterGainVspd_Kph_u9p7[0]   | 6656  |
| t_EOTEnterGainVspd_Kph_u9p7[1]   | 19840   |
| t EOTEnterGainVspd Kph u9p7[2]   | 19968   |
| t EOTEnterGainVspd Kph u9p7[3]   | 20096   |
| t_SpdlptTblXTbl_HwDeg_u12p4[0]   | 432   |
| t_SpdlptTblXTbl_HwDeg_u12p4[1]   | 576   |
| t SpdlptTblYTbl MtrRadpS u12p4[0]  | 512   |
| SpdlptTblYTbl MtrRadpS u12p4[1]  | 896   |
| t_TrqTableX_HwNm_u8p8[0]   | 1792  |
| :_TrqTableX_HwNm_u8p8[1]   | 2048  |
| :_TrqTblY_Uls_u2p14[0]   | 295   |
| t_TrqTblY_Uls_u2p14[1]   | 377   |
| arget EOTActuatorMng Per1 CcwEOT HwDeg f32.value   | -110.290001   |
| arget EOTActuatorMng Per1 CcwFound Cnt Igc.value   | 1   |
| arget_EOTActuatorMng_Per1_CwEOT_HwDeg_f32.value  | 900.070984  |
| target EOTActuatorMng Per1 CwFound Cnt Igc.value   | 1   |
| arget_EOTActuatorMng_Per1_EOTDisable_Cnt_lgc.value   | 0   |
| arget EOTActuatorMng Per1 HandWheelAuth Uls f32.value  | 0.5   |
| arget_EOTActuatorMng_Per1_HandWheelPos_HwDeg_f32.value   | -200.360001   |
| arget EOTActuatorMng Per1 HwTorque HwNm f32.value  | -3.5  |
| arget_EOTActuatorMng_Per1_MotorVel_MtrRadpS_f32.value  | -0.439999998  |
| arget_EOTActuatorMng_Per1_MotorVcl_Mtrtaapo_l32.value  | 0.405999988   |
| arget_EOTActuatorMng_Per1_VehicleSpeed_Kph_f32.value   | 25.1399994  |
| arget_Rte_Inst_Ap_EOTActuatorMng.EOTActuatorMng_Per1_AssistEOTDamping  |   |
| target Rte Inst Ap EOTActuatorMng.EOTActuatorMng Per1 AssistEOTGain Uls  |   |
| arget Rte Inst Ap EOTActuatorMng.EOTActuatorMng Per1 AssistEOTLimit Mtr  |   |
| arget_Re_inst_Ap_E0TActuatorMing.E0TActuatorMing_FeT_AssistE0TEllinic_Mit<br>arget_Rte_Inst_Ap_E0TActuatorMing.E0TActuatorMing_Per1_CcwE0T_HwDeg_f3  |   |
| :arget_Rte_inst_Ap_EOTActuatorMing.EOTActuatorMing_Pet1_CcwEOT_Hwbeg_t<br>:arget_Rte_inst_Ap_EOTActuatorMng.EOTActuatorMng_Pet1_CcwEoT_Hwbeg_t   |   |
| angot the mot AP EOTAGRARUMINI, EOTAGRARUMINI FELL COMPORID CITE IDC   |   |
| · · · · · · · · · · · · · · · ·  | CHRISCH ESTAGRICHMUS FELL SWEDT FIWDEU 132  |
| target_Rte_Inst_Ap_EOTActuatorMng.EOTActuatorMng_Per1_CwEOT_HwDeg_f3;  |   |
| target_Rte_Inst_Ap_EOTActuatorMng.EOTActuatorMng_Per1_CwEOT_HwDeg_f3;<br>target_Rte_Inst_Ap_EOTActuatorMng.EOTActuatorMng_Per1_CwFound_Cnt_Igc   | target_EOTActuatorMng_Per1_CwFound_Cnt_lgc  |
| target_Rte_Inst_Ap_EOTActuatorMng.EOTActuatorMng_Per1_CwEOT_HwDeg_f3;<br>target_Rte_Inst_Ap_EOTActuatorMng.EOTActuatorMng_Per1_CwFound_Cnt_lgc<br>target_Rte_Inst_Ap_EOTActuatorMng.EOTActuatorMng_Per1_EOTDisable_Cnt_lg  | target_EOTActuatorMng_Per1_CwFound_Cnt_lgc target_EOTActuatorMng_Per1_EOTDisable_Cnt_lgc  |
| target_Rte_Inst_Ap_EOTActuatorMng.EOTActuatorMng_Per1_CwEOT_HwDeg_f3;<br>target_Rte_Inst_Ap_EOTActuatorMng.EOTActuatorMng_Per1_CwFound_Cnt_Igc<br>target_Rte_Inst_Ap_EOTActuatorMng.EOTActuatorMng_Per1_EOTDisable_Cnt_Ig<br>target_Rte_Inst_Ap_EOTActuatorMng.EOTActuatorMng_Per1_HandWheelAuth_Ul: | target_EOTActuatorMng_Per1_CwFound_Cnt_Igc target_EOTActuatorMng_Per1_EOTDisable_Cnt_Igc starget_EOTActuatorMng_Per1_HandWheelAuth_Uls_f32  |
| target_Rte_Inst_Ap_EOTActuatorMng.EOTActuatorMng_Per1_CwEOT_HwDeg_f3;<br>target_Rte_Inst_Ap_EOTActuatorMng.EOTActuatorMng_Per1_CwFound_Cnt_lgc<br>target_Rte_Inst_Ap_EOTActuatorMng.EOTActuatorMng_Per1_EOTDisable_Cnt_lg  | target_EOTActuatorMng_Per1_CwFound_Cnt_Igc target_EOTActuatorMng_Per1_EOTDisable_Cnt_Igc target_EOTActuatorMng_Per1_HandWheelAuth_Uls_f32 target_EOTActuatorMng_Per1_HandWheelPos_HwDeg_f32 |



| Name   | Input Value                            |                            |          |
|--|--|----------------------------|----------|
| target_Rte_Inst_Ap_EOTActuatorMng.EOTActuatorMng_Per1_OutputRampMultLi | d_target_EOTActuatorMng_Per1_OutputRam | pMultLtd_Uls_f32           |          |
| target_Rte_Inst_Ap_EOTActuatorMng.EOTActuatorMng_Per1_VehicleSpeed_Kph | target_EOTActuatorMng_Per1_VehicleSpe  | ed_Kph_f32                 |          |
| Name   | Actual Value                           | Expected Value             | Result   |
| EOTActuatorMng_Damping_MtrNm_M_f32                                     | 3.20542002                             | 3.20542002 ± 0.0000390625  | ~        |
| EOTActuatorMng_EOTImpactPos_HwDeg_M_f32                                | 342.355988                             | 342.355988 ± 0.0000390625  | ~        |
| EOTActuatorMng_FiltEOTGainSV_HwNm_M_u1p31                              | 719302293                              | 719302293 ± 1              | ~        |
| EOTActuatorMng_FiltHWTrqSV_HwNm_M_s7p24                                | 25268224                               | 25268224 ± 1               | ~        |
| EOTActuatorMng_OutputRampMultLtd_M_f32                                 | 0.405999988                            | 0.405999988 ± 0.00390625   | ~        |
| EOTActuatorMng_PrevEOTGain_Uls_M_f32                                   | 0.33493042                             | 0.33493042 ± 0.0625        | ~        |
| EOTActuatorMng_SESState_Uls_M_enum                                     | SES_NORMAL                             | SES_NORMAL                 | ~        |
| target_EOTActuatorMng_Per1_AssistEOTDamping_MtrNm_f32.value            | 3.20542002                             | 3.20542002 ± 0.00048828125 | <b>✓</b> |
| target_EOTActuatorMng_Per1_AssistEOTGain_Uls_f32.value                 | 0.33493042                             | 0.33493042 ± 0.0000390625  | ~        |
| target_EOTActuatorMng_Per1_AssistEOTLimit_MtrNm_f32.value              | 8.80000019                             | 8.80000019 ± 0.00048828125 | <b>✓</b> |

| Τ  |       |  |       | <b>✓</b> |
|--|-------|--|-------|----------|
| Actual Function                                    | Count | Expected Function                                  | Count | Result   |
| Rte_Call_EOTActuatorMng_Per1_CP0_CheckpointReached | 1     | Rte_Call_EOTActuatorMng_Per1_CP0_CheckpointReached | 1     | ~        |
| EOTDetermination                                   | 1     | EOTDetermination                                   | 1     | ~        |
| SES_DetLmtPos                                      | 1     | SES_DetLmtPos                                      | 1     | ~        |
| SES_CalcExitGain                                   | 1     | SES_CalcExitGain                                   | 1     | ~        |
| IntplVarXY_u16_u16Xu16Y_Cnt                        | 1     | IntplVarXY_u16_u16Xu16Y_Cnt                        | 1     | ~        |
| SES_CalcEnterGain                                  | 1     | SES_CalcEnterGain                                  | 1     | ~        |
| BilinearXMYM_u16_u16XMu16YM_Cnt                    | 1     | BilinearXMYM_u16_u16XMu16YM_Cnt                    | 1     | <b>~</b> |
| SES_CalcEOTGain                                    | 1     | SES_CalcEOTGain                                    | 1     | ~        |
| SES_FiltEOTGain                                    | 1     | SES_FiltEOTGain                                    | 1     | ~        |
| SES_CalcEOTDamp                                    | 1     | SES_CalcEOTDamp                                    | 1     | ~        |
| BilinearXMYM_u16_u16XMu16YM_Cnt                    | 1     | BilinearXMYM_u16_u16XMu16YM_Cnt                    | 1     | ~        |
| SES_StateCtrl                                      | 1     | SES_StateCtrl                                      | 1     | ~        |
| IntplVarXY_u16_u16Xu16Y_Cnt                        | 2     | IntplVarXY_u16_u16Xu16Y_Cnt                        | 2     | ~        |
| Rte_Call_EOTActuatorMng_Per1_CP1_CheckpointReached | 1     | Rte_Call_EOTActuatorMng_Per1_CP1_CheckpointReached | 1     | ~        |

| Test Step 2.24 (Repeat Count = 1)         | ✓                                 |
|---|-----------------------------------|
| Name                                      | Input Value                       |
| EOTActuatorMng_Damping_MtrNm_M_f32        | 3.5999999                         |
| EOTActuatorMng_EOTImpactPos_HwDeg_M_f32   | 567.784973                        |
| EOTActuatorMng_FiltEOTGainSV_HwNm_M_u1p31 | 493921239                         |
| EOTActuatorMng_FiltHWTrqSV_HwNm_M_s7p24   | -150994944                        |
| EOTActuatorMng_PrevEOTGain_Uls_M_f32      | 0.330000013                       |
| EOTActuatorMng_SESState_Uls_M_enum        | SES_ENTERING                      |
| Rte_Inst_Ap_EOTActuatorMng                | target_Rte_Inst_Ap_EOTActuatorMng |
| k_EOTActiveRegionBypassMaxThresh_Uls_f32  | 0.20000003                        |
| k_EOTDefltPosition_HwDeg_u12p4            | 12624                             |
| k_EOTDeltaTrqThrsh_HwNm_u9p7              | 512                               |
| k_EOTDynConf_Uls_u8p8                     | 61440                             |
| k_EOTEnterLPFKn_Cnt_u16                   | 1000                              |
| k_EOTExitLPFKn_Cnt_u16                    | 7567                              |
| k_EOTImpSpdEn_Kph_u9p7                    | 8320                              |
| k_EOTOriginalImpactandSoftEnd_Cnt_lgc     | 1                                 |
| k_EOTPosDepDempFinalSlew_MtrNmpS_T_f32    | 101.339996                        |
| k_EOTStateHwTrqLPFKn_Cnt_u16              | 300                               |
| k_MaxRackTrvl_HwDeg_u12p4                 | 2240                              |
| k_MinRackTrvl_HwDeg_u12p4                 | 17760                             |
| k_PosRampStep_HwDeg_u12p4                 | 7296                              |
| k_SoftStopEOTEnable_Cnt_lgc               | 1                                 |
| k_SpdlptScale_MtrNmpRadpS_u4p12           | 89                                |
| t2_EOTEnterGainX_HwDeg_u12p4[0][0]        | 1456                              |
| t2_EOTEnterGainX_HwDeg_u12p4[0][1]        | 1616                              |
| t2_EOTEnterGainX_HwDeg_u12p4[0][2]        | 1840                              |
| t2_EOTEnterGainX_HwDeg_u12p4[0][3]        | 2048                              |
| t2_EOTEnterGainX_HwDeg_u12p4[1][0]        | 848                               |
| t2_EOTEnterGainX_HwDeg_u12p4[1][1]        | 2528                              |
| t2_EOTEnterGainX_HwDeg_u12p4[1][2]        | 2544                              |
| t2_EOTEnterGainX_HwDeg_u12p4[1][3]        | 2560                              |
| t2_EOTEnterGainX_HwDeg_u12p4[2][0]        | 1488                              |
| t2_EOTEnterGainX_HwDeg_u12p4[2][1]        | 4448                              |
| t2_EOTEnterGainX_HwDeg_u12p4[2][2]        | 4464                              |
| t2_EOTEnterGainX_HwDeg_u12p4[2][3]        | 4480                              |
| t2_EOTEnterGainX_HwDeg_u12p4[3][0]        | 2128                              |
| t2_EOTEnterGainX_HwDeg_u12p4[3][1]        | 6368                              |
| t2_EOTEnterGainX_HwDeg_u12p4[3][2]        | 6384                              |

2015-06-29, 18:31:27+0530



| Name  | Input Value  |
|---|--|
| 2_EOTEnterGainX_HwDeg_u12p4[3][3]                                     | 6400   |
| 2_EOTEnterGainY_Uls_u1p15[0][0]                                       | 5  |
| 2_EOTEnterGainY_Uls_u1p15[0][1]                                       | 6  |
| 2_EOTEnterGainY_Uls_u1p15[0][2]                                       | 39   |
| 2_EOTEnterGainY_Uls_u1p15[0][3]                                       | 383  |
| 2_EOTEnterGainY_Uls_u1p15[1][0]                                       | 7  |
| 2_EOTEnterGainY_Uls_u1p15[1][1]                                       | 8  |
| 2_EOTEnterGainY_Uls_u1p15[1][2]                                       | 98   |
| 2_EOTEnterGainY_Uls_u1p15[1][3]                                       | 954  |
| 2_EOTEnterGainY_Uls_u1p15[2][0]                                       | 7  |
| 2 EOTEnterGainY Uls u1p15[2][1]                                       | 8  |
| 2 EOTEnterGainY Uls u1p15[2][2]                                       | 88   |
| 2_EOTEnterGainY_Uls_u1p15[2][3]                                       | 859  |
| 2_EOTEnterGainY_Uls_u1p15[3][0]                                       | 383  |
| 2_EOTEnterGainY_Uls_u1p15[3][1]                                       | 39   |
| 2_EOTEnterGainY_Uls_u1p15[3][2]                                       | 5  |
| 2_EOTEnterGain1_Uis_u1p15[3][2]<br>2_EOTEnterGainY_Uis_u1p15[3][3]    | 6  |
|   | 349  |
| 2_EOTExPosDepDmpTblY_MtrNmpRadps_u0p16[0][0]                          |  |
| 2_EOTExPosDepDmpTblY_MtrNmpRadps_u0p16[0][1]                          | 495  |
| 2_EOTExPosDepDmpTblY_MtrNmpRadps_u0p16[1][0]                          | 425  |
| 2_EOTExPosDepDmpTblY_MtrNmpRadps_u0p16[1][1]                          | 603  |
| 2_EOTExPosDepDmpTblY_MtrNmpRadps_u0p16[2][0]                          | 425  |
| 2_EOTExPosDepDmpTblY_MtrNmpRadps_u0p16[2][1]                          | 603  |
| 2_EOTExPosDepDmpTblY_MtrNmpRadps_u0p16[3][0]                          | 380  |
| 2_EOTExPosDepDmpTblY_MtrNmpRadps_u0p16[3][1]                          | 538  |
| 2_EOTPosDepDmpTblX_HwDeg_u12p4[0][0]                                  | 928  |
| 2_EOTPosDepDmpTblX_HwDeg_u12p4[0][1]                                  | 4240   |
| 2_EOTPosDepDmpTblX_HwDeg_u12p4[1][0]                                  | 1056   |
| 2_EOTPosDepDmpTbIX_HwDeg_u12p4[1][1]                                  | 1440   |
| 2_EOTPosDepDmpTblX_HwDeg_u12p4[2][0]                                  | 640  |
| 2_EOTPosDepDmpTblX_HwDeg_u12p4[2][1]                                  | 3376   |
| 2_EOTPosDepDmpTblX_HwDeg_u12p4[3][0]                                  | 528  |
| 2_EOTPosDepDmpTblX_HwDeg_u12p4[3][1]                                  | 912  |
| 2_EOTPosDepDmpTblY_MtrNmpRadpS_u0p16[0][0]                            | 50   |
| 2_EOTPosDepDmpTblY_MtrNmpRadpS_u0p16[0][1]                            | 349  |
| 2_EOTPosDepDmpTblY_MtrNmpRadpS_u0p16[1][0]                            | 198  |
| 2_EOTPosDepDmpTblY_MtrNmpRadpS_u0p16[1][1]                            | 280  |
| 2_EOTPosDepDmpTblY_MtrNmpRadpS_u0p16[2][0]                            | 410  |
| 2_EOTPosDepDmpTblY_MtrNmpRadpS_u0p16[2][1]                            | 581  |
| 2 EOTPosDepDmpTblY MtrNmpRadpS u0p16[3][0]                            | 92   |
| 2_EOTPosDepDmpTblY_MtrNmpRadpS_u0p16[3][1]                            | 130  |
| EOTDmpVspd_Kph_u9p7[0]  | 6784   |
| _EOTDmpVspd_Kph_u9p7[1]   | 20224  |
| _EOTDmpVspd_Kph_u9p7[2]   | 20352  |
| EOTDmpVspd Kph u9p7[3]  | 20480  |
| _EOTEnterGainVspd_Kph_u9p7[0]   | 6784   |
| _EOTEnterGainVspd_Kph_u9p7[1]   | 20224  |
| EOTEnterGainVspd_Kph_u9p7[1] EOTEnterGainVspd_Kph_u9p7[2]             | 20352  |
| _EOTEnterGainVspd_κριτ_u9p7[2] EOTEnterGainVspd Kph u9p7[3]           | 20480  |
| - ' - ' - ' - ' - ' - ' - ' - ' - ' - '                               |  |
| _SpdIptTbIXTbI_HwDeg_u12p4[0]   | 448  |
| _SpdlptTblXTbl_HwDeg_u12p4[1]   | 592  |
| _SpdIptTbIYTbI_MtrRadpS_u12p4[0]                                      | 528  |
| _SpdIptTbIYTbI_MtrRadpS_u12p4[1]                                      | 912  |
| _TrqTableX_HwNm_u8p8[0]   | 1536   |
| _TrqTableX_HwNm_u8p8[1]   | 1792   |
| _TrqTblY_Uls_u2p14[0]   | 311  |
| _TrqTblY_Uls_u2p14[1]   | 393  |
| arget_EOTActuatorMng_Per1_CcwEOT_HwDeg_f32.value                      | -222.339996  |
| arget_EOTActuatorMng_Per1_CcwFound_Cnt_lgc.value                      | 0  |
| arget_EOTActuatorMng_Per1_CwEOT_HwDeg_f32.value                       | 999.033997   |
| arget_EOTActuatorMng_Per1_CwFound_Cnt_lgc.value                       | 1  |
| arget_EOTActuatorMng_Per1_EOTDisable_Cnt_lgc.value                    | 1  |
| arget_EOTActuatorMng_Per1_HandWheelAuth_Uls_f32.value                 | 0.889999986  |
| arget_EOTActuatorMng_Per1_HandWheelPos_HwDeg_f32.value                | 882.125  |
| arget_EOTActuatorMng_Per1_HwTorque_HwNm_f32.value                     | 4.5  |
| arget_EOTActuatorMng_Per1_MotorVel_MtrRadpS_f32.value                 | -1350  |
| arget_EOTActuatorMng_Per1_OutputRampMultLtd_Uls_f32.value             | 0.340999991  |
| arget_EOTActuatorMng_Per1_VehicleSpeed_Kph_f32.value                  | 26.1450005   |
| arget Rte Inst Ap EOTActuatorMng.EOTActuatorMng Per1 AssistEOTDamping | target EOTActuatorMng Per1 AssistEOTDamping MtrNm f32  |
|   | ,  |
|   |  |
|   |  |
| s.gso_mor_rp_contocaconving.contocaconving_ren_cowcon_nwbeg_la        | Language of the control of the contr |





| Name  | Input Value                             |                            |          |
|---|---|----------------------------|----------|
| target_Rte_Inst_Ap_EOTActuatorMng.EOTActuatorMng_Per1_CwEOT_HwDeg_f32   | target_EOTActuatorMng_Per1_CwEOT_Hwt    | Deg_f32                    |          |
| target_Rte_Inst_Ap_EOTActuatorMng.EOTActuatorMng_Per1_CwFound_Cnt_lgc   | target_EOTActuatorMng_Per1_CwFound_Cr   | nt_lgc                     |          |
| target_Rte_Inst_Ap_EOTActuatorMng.EOTActuatorMng_Per1_EOTDisable_Cnt_lgc  | target_EOTActuatorMng_Per1_EOTDisable_  | Cnt_lgc                    |          |
| $target\_Rte\_Inst\_Ap\_EOTActuatorMng.EOTActuatorMng\_Per1\_HandWheelAuth\_Ulstarget\_Rte\_Inst\_Ap\_EOTActuatorMng.EOTActuatorMng\_Per1\_HandWheelAuth\_Ulstarget\_Rte\_Inst\_Ap\_EOTActuatorMng.EOTActuatorMng\_Per1\_HandWheelAuth\_Ulstarget\_Rte\_Inst\_Ap\_EOTActuatorMng.EOTActuatorMng\_Per1\_HandWheelAuth\_Ulstarget\_Rte\_Inst\_Ap\_EOTActuatorMng.EOTActuatorMng\_Per1\_HandWheelAuth\_Ulstarget\_Rte\_Inst\_Ap\_EOTActuatorMng.EOTActuatorMng\_Per1\_HandWheelAuth\_Ulstarget\_Rte\_Inst\_Ap\_EOTActuatorMng.EOTActuat$  | target_EOTActuatorMng_Per1_HandWheelA   | uth_Uls_f32                |          |
| target_Rte_Inst_Ap_EOTActuatorMng.EOTActuatorMng_Per1_HandWheelPos_Hwl  | target_EOTActuatorMng_Per1_HandWheelP   | os_HwDeg_f32               |          |
| target_Rte_Inst_Ap_EOTActuatorMng.EOTActuatorMng_Per1_HwTorque_HwNm_f   | target_EOTActuatorMng_Per1_HwTorque_H   | wNm_f32                    |          |
| target Rte Inst Ap EOTActuatorMng.EOTActuatorMng Per1 MotorVel MtrRadpS   | target_EOTActuatorMng_Per1_MotorVel_Mtr | RadpS_f32                  |          |
| $target\_Rte\_Inst\_Ap\_EOTActuatorMng.EOTActuatorMng\_Per1\_OutputRampMultLtd\_Inst\_Ap\_EOTActuatorMng\_Per1\_OutputRampMultLtd\_Inst\_Ap\_EOTActuatorMng\_Per1\_OutputRampMultLtd\_Inst\_Ap\_EOTActuatorMng\_Per1\_OutputRampMultLtd\_Inst\_Ap\_EOTActuatorMng\_Per1\_OutputRampMultLtd\_Inst\_Ap\_EOTActuatorMng\_Per1\_OutputRampMultLtd\_Inst\_Ap\_EOTActuatorMng\_Per1\_OutputRampMultLtd\_Inst\_Ap\_EOTActuatorMng\_Per1\_OutputRampMultLtd\_Inst\_Ap\_EOTActuatorMng\_Per1\_OutputRampMultLtd\_Inst\_Ap\_EOTActuatorMng\_Per1\_OutputRampMultLtd\_Inst\_Ap\_EOTActuatorMng\_Per1\_OutputRampMultLtd\_Inst\_Ap\_EOTActuatorMng\_Per1\_OutputRampMultLtd\_Inst\_Ap\_EOTActuatorMng\_Per1\_OutputRampMultLtd\_Inst\_Ap\_EOTActuatorMng\_Per1\_OutputRampMultLtd\_Inst\_Ap\_EOTActuatorMng\_Per1\_OutputRampMultLtd\_Inst\_Ap\_EOTActuatorMng\_Per1\_OutputRampMultLtd\_Inst_Ap\_EOTActuatorMng\_Per1\_OutputRampMu$ | target_EOTActuatorMng_Per1_OutputRample | MultLtd_Uls_f32            |          |
| target_Rte_Inst_Ap_EOTActuatorMng.EOTActuatorMng_Per1_VehicleSpeed_Kph_   | target_EOTActuatorMng_Per1_VehicleSpeed | d_Kph_f32                  |          |
| Name  | Actual Value                            | Expected Value             | Result   |
| EOTActuatorMng_Damping_MtrNm_M_f32  | 3.39731979                              | 3.39732003 ± 0.0000390625  | ~        |
| EOTActuatorMng_EOTImpactPos_HwDeg_M_f32   | 567.784973                              | 567.784973 ± 0.0000390625  | ~        |
| EOTActuatorMng_FiltEOTGainSV_HwNm_M_u1p31   | 486768239                               | 486768239 ± 1              | ~        |
| EOTActuatorMng_FiltHWTrqSV_HwNm_M_s7p24   | -149958144                              | -149958144 ± 1             | ~        |
| EOTActuatorMng_OutputRampMultLtd_M_f32  | 0.340999991                             | 0.340999991 ± 0.00390625   | ~        |
| EOTActuatorMng_PrevEOTGain_Uls_M_f32  | 0.226654053                             | 0.226654053 ± 0.0625       | ~        |
| EOTActuatorMng_SESState_Uls_M_enum  | SES_DISABLED                            | SES_DISABLED               | ~        |
| target_EOTActuatorMng_Per1_AssistEOTDamping_MtrNm_f32.value   | 3.39731979                              | 3.39732003 ± 0.00048828125 | ~        |
| target_EOTActuatorMng_Per1_AssistEOTGain_Uls_f32.value  | 0.226654053                             | 0.226654053 ± 0.0000390625 | ~        |
| target_EOTActuatorMng_Per1_AssistEOTLimit_MtrNm_f32.value   | 8.80000019                              | 8.80000019 ± 0.00048828125 | <b>✓</b> |

| Т  |       |  |       | V      |
|--|-------|--|-------|--------|
| Actual Function                                    | Count | Expected Function                                  | Count | Result |
| Rte_Call_EOTActuatorMng_Per1_CP0_CheckpointReached | 1     | Rte_Call_EOTActuatorMng_Per1_CP0_CheckpointReached | 1     | ~      |
| EOTDetermination                                   | 1     | EOTDetermination                                   | 1     | ~      |
| SES_DetLmtPos                                      | 1     | SES_DetLmtPos                                      | 1     | ~      |
| SES_CalcExitGain                                   | 1     | SES_CalcExitGain                                   | 1     | ~      |
| IntplVarXY_u16_u16Xu16Y_Cnt                        | 1     | IntplVarXY_u16_u16Xu16Y_Cnt                        | 1     | ~      |
| SES_CalcEnterGain                                  | 1     | SES_CalcEnterGain                                  | 1     | •      |
| BilinearXMYM_u16_u16XMu16YM_Cnt                    | 1     | BilinearXMYM_u16_u16XMu16YM_Cnt                    | 1     | ~      |
| SES_CalcEOTGain                                    | 1     | SES_CalcEOTGain                                    | 1     | •      |
| SES_FiltEOTGain                                    | 1     | SES_FiltEOTGain                                    | 1     | •      |
| SES_CalcEOTDamp                                    | 1     | SES_CalcEOTDamp                                    | 1     | •      |
| BilinearXMYM_u16_u16XMu16YM_Cnt                    | 1     | BilinearXMYM_u16_u16XMu16YM_Cnt                    | 1     | ~      |
| SES_StateCtrl                                      | 1     | SES_StateCtrl                                      | 1     | •      |
| Rte_Call_EOTActuatorMng_Per1_CP1_CheckpointReached | 1     | Rte_Call_EOTActuatorMng_Per1_CP1_CheckpointReached | 1     | ~      |

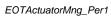
| Test Step 2.25 (Repeat Count = 1)         |                                   |
|---|-----------------------------------|
| Name                                      | Input Value                       |
| EOTActuatorMng_Damping_MtrNm_M_f32        | 3.7999995                         |
| EOTActuatorMng_EOTImpactPos_HwDeg_M_f32   | 789.015015                        |
| EOTActuatorMng_FiltEOTGainSV_HwNm_M_u1p31 | 257698038                         |
| EOTActuatorMng_FiltHWTrqSV_HwNm_M_s7p24   | 150994944                         |
| EOTActuatorMng_PrevEOTGain_Uls_M_f32      | 0.219999999                       |
| EOTActuatorMng_SESState_Uls_M_enum        | SES_NORMAL                        |
| Rte_Inst_Ap_EOTActuatorMng                | target_Rte_Inst_Ap_EOTActuatorMng |
| k_EOTActiveRegionBypassMaxThresh_Uls_f32  | 0.372000009                       |
| k_EOTDefltPosition_HwDeg_u12p4            | 2480                              |
| k_EOTDeltaTrqThrsh_HwNm_u9p7              | 384                               |
| k_EOTDynConf_Uls_u8p8                     | 2560                              |
| k_EOTEnterLPFKn_Cnt_u16                   | 6565                              |
| k_EOTExitLPFKn_Cnt_u16                    | 5644                              |
| k_EOTImpSpdEn_Kph_u9p7                    | 8448                              |
| k_EOTOriginalImpactandSoftEnd_Cnt_lgc     | 0                                 |
| k_EOTPosDepDempFinalSlew_MtrNmpS_T_f32    | 105.389999                        |
| k_EOTStateHwTrqLPFKn_Cnt_u16              | 4563                              |
| k_MaxRackTrvl_HwDeg_u12p4                 | 2256                              |
| k_MinRackTrvl_HwDeg_u12p4                 | 19552                             |
| k_PosRampStep_HwDeg_u12p4                 | 5520                              |
| k_SoftStopEOTEnable_Cnt_lgc               | 0                                 |
| k_SpdlptScale_MtrNmpRadpS_u4p12           | 90                                |
| t2_EOTEnterGainX_HwDeg_u12p4[0][0]        | 1504                              |
| t2_EOTEnterGainX_HwDeg_u12p4[0][1]        | 4496                              |
| t2_EOTEnterGainX_HwDeg_u12p4[0][2]        | 4512                              |
| t2_EOTEnterGainX_HwDeg_u12p4[0][3]        | 4528                              |
| t2_EOTEnterGainX_HwDeg_u12p4[1][0]        | 864                               |
| t2_EOTEnterGainX_HwDeg_u12p4[1][1]        | 2576                              |
| t2_EOTEnterGainX_HwDeg_u12p4[1][2]        | 2592                              |
| t2_EOTEnterGainX_HwDeg_u12p4[1][3]        | 2608                              |
| t2_EOTEnterGainX_HwDeg_u12p4[2][0]        | 1504                              |

2015-06-29, 18:31:27+0530



| EOTActuatoriving_Peri   |             |
|---|-------------|
| Name  | Input Value |
| t2_EOTEnterGainX_HwDeg_u12p4[2][1]                                | 4496        |
| t2_EOTEnterGainX_HwDeg_u12p4[2][2]                                | 4512        |
| t2_EOTEnterGainX_HwDeg_u12p4[2][3]                                | 4528        |
| t2_EOTEnterGainX_HwDeg_u12p4[3][0]                                | 2144        |
| t2_EOTEnterGainX_HwDeg_u12p4[3][1]                                | 6416        |
| t2_EOTEnterGainX_HwDeg_u12p4[3][2]                                | 6432        |
| t2_EOTEnterGainX_HwDeg_u12p4[3][3]                                | 6448        |
| t2_EOTEnterGainY_Uls_u1p15[0][0]                                  | 6           |
| t2_EOTEnterGainY_Uls_u1p15[0][1]                                  | 6           |
| t2_EOTEnterGainY_Uls_u1p15[0][2]                                  | 49          |
| t2_EOTEnterGainY_Uls_u1p15[0][3]                                  | 478         |
| t2_EOTEnterGainY_Uls_u1p15[1][0]                                  | 8           |
| t2_EOTEnterGainY_UIs_u1p15[1][0]                                  | 8           |
| t2_EOTEItterGainT_Uis_u1p15[1][1]                                 | 108         |
| t2_EOTEInerGain1_0is_u1p13[1][2] t2_EOTEInerGainY_Uls_u1p15[1][3] | 1049        |
|   | 5           |
| t2_EOTEnterGainY_Uls_u1p15[2][0]                                  | 6           |
| t2_EOTEnterGainY_Uls_u1p15[2][1]                                  |             |
| t2_EOTEnterGainY_Uls_u1p15[2][2]                                  | 29          |
| t2_EOTEnterGainY_Uls_u1p15[2][3]                                  | 288         |
| t2_EOTEnterGainY_Uls_u1p15[3][0]                                  | 478         |
| t2_EOTEnterGainY_Uls_u1p15[3][1]                                  | 49          |
| t2_EOTEnterGainY_Uls_u1p15[3][2]                                  | 6           |
| t2_EOTEnterGainY_Uls_u1p15[3][3]                                  | 6           |
| t2_EOTExPosDepDmpTblY_MtrNmpRadps_u0p16[0][0]                     | 365         |
| t2_EOTExPosDepDmpTblY_MtrNmpRadps_u0p16[0][1]                     | 517         |
| t2_EOTExPosDepDmpTblY_MtrNmpRadps_u0p16[1][0]                     | 440         |
| t2_EOTExPosDepDmpTblY_MtrNmpRadps_u0p16[1][1]                     | 624         |
| t2_EOTExPosDepDmpTblY_MtrNmpRadps_u0p16[2][0]                     | 440         |
| t2_EOTExPosDepDmpTblY_MtrNmpRadps_u0p16[2][1]                     | 624         |
| t2_EOTExPosDepDmpTblY_MtrNmpRadps_u0p16[3][0]                     | 395         |
| t2_EOTExPosDepDmpTblY_MtrNmpRadps_u0p16[3][1]                     | 560         |
| t2_EOTPosDepDmpTblX_HwDeg_u12p4[0][0]                             | 800         |
| t2_EOTPosDepDmpTblX_HwDeg_u12p4[0][1]                             | 4256        |
| t2_EOTPosDepDmpTblX_HwDeg_u12p4[1][0]                             | 1072        |
| t2_EOTPosDepDmpTblX_HwDeg_u12p4[1][1]                             | 1456        |
| t2_EOTPosDepDmpTblX_HwDeg_u12p4[2][0]                             | 192         |
| t2_EOTPosDepDmpTblX_HwDeg_u12p4[2][1]                             | 3392        |
| t2_EOTPosDepDmpTbIX_HwDeg_u12p4[3][0]                             | 544         |
| t2_EOTPosDepDmpTbIX_HwDeg_u12p4[3][1]                             | 928         |
| t2_EOTPosDepDmpTblY_MtrNmpRadpS_u0p16[0][0]                       | 52          |
| t2_EOTPosDepDmpTblY_MtrNmpRadpS_u0p16[0][1]                       | 365         |
| t2_EOTPosDepDmpTblY_MtrNmpRadpS_u0p16[1][0]                       | 213         |
| t2_EOTPosDepDmpTblY_MtrNmpRadpS_u0p16[1][1]                       | 302         |
| t2_EOTPosDepDmpTblY_MtrNmpRadpS_u0p16[2][0]                       | 425         |
| t2_EOTPosDepDmpTblY_MtrNmpRadpS_u0p16[2][1]                       | 603         |
| t2_EOTPosDepDinpTblY_MtrNmpRadpS_u0p16[3][0]                      | 107         |
|   |             |
| t2_EOTPosDepDmpTblY_MtrNmpRadpS_u0p16[3][1]                       | 151         |
| t_EOTDmpVspd_Kph_u9p7[0]  | 6912        |
| t_EOTDmpVspd_Kph_u9p7[1]  | 20608       |
| t_EOTDmpVspd_Kph_u9p7[2]  | 20736       |
| t_EOTDmpVspd_Kph_u9p7[3]  | 20864       |
| t_EOTEnterGainVspd_Kph_u9p7[0]                                    | 6912        |
| t_EOTEnterGainVspd_Kph_u9p7[1]                                    | 20608       |
| t_EOTEnterGainVspd_Kph_u9p7[2]                                    | 20736       |
| t_EOTEnterGainVspd_Kph_u9p7[3]                                    | 20864       |
| t_SpdlptTblXTbl_HwDeg_u12p4[0]                                    | 464         |
| t_SpdlptTblXTbl_HwDeg_u12p4[1]                                    | 608         |
| t_SpdlptTblYTbl_MtrRadpS_u12p4[0]                                 | 544         |
| t_SpdlptTblYTbl_MtrRadpS_u12p4[1]                                 | 928         |
| t_TrqTableX_HwNm_u8p8[0]  | 1280        |
| t_TrqTableX_HwNm_u8p8[1]  | 1536        |
| t_TrqTblY_Uls_u2p14[0]  | 328         |
| t_TrqTblY_Uls_u2p14[1]  | 410         |
| target_EOTActuatorMng_Per1_CcwEOT_HwDeg_f32.value                 | -220.179993 |
| target_EOTActuatorMng_Per1_CcwFound_Cnt_lgc.value                 | 1           |
| target_EOTActuatorMng_Per1_CwEOT_HwDeg_f32.value                  | 1000.01001  |
| target_EOTActuatorMng_Per1_CwFound_Cnt_lgc.value                  | 0           |
|   | 0           |
| target FOTActuatorMng Per1 FOTDisable Cnt Igo value               |             |
|   | 0.129999995 |
| target_EOTActuatorMng_Per1_HandWheelAuth_Uls_f32.value            | 0.129999995 |
| target_EOTActuatorMng_Per1_HandWheelPos_HwDeg_f32.value           | -1000.40002 |
| target_EOTActuatorMng_Per1_HandWheelAuth_Uls_f32.value            |             |

2015-06-29, 18:31:27+0530





| Name  | Input Value                             |                            |        |
|---|---|----------------------------|--------|
| target_EOTActuatorMng_Per1_VehicleSpeed_Kph_f32.value   | 27.6539993                              |                            |        |
| $target\_Rte\_Inst\_Ap\_EOTActuatorMng.EOTActuatorMng\_Per1\_AssistEOTDamping\_Per1\_AssistEOTD$  | target_EOTActuatorMng_Per1_AssistEOTDa  | mping_MtrNm_f32            |        |
| target_Rte_Inst_Ap_EOTActuatorMng.EOTActuatorMng_Per1_AssistEOTGain_Uls_  | target_EOTActuatorMng_Per1_AssistEOTGa  | nin_Uls_f32                |        |
| $target\_Rte\_Inst\_Ap\_EOTActuatorMng.EOTActuatorMng\_Per1\_AssistEOTLimit\_Mtr?$  | target_EOTActuatorMng_Per1_AssistEOTLir | nit_MtrNm_f32              |        |
| target_Rte_Inst_Ap_EOTActuatorMng.EOTActuatorMng_Per1_CcwEOT_HwDeg_f3   | target_EOTActuatorMng_Per1_CcwEOT_Hw    | Deg_f32                    |        |
| $target\_Rte\_Inst\_Ap\_EOTActuatorMng.EOTActuatorMng\_Per1\_CcwFound\_Cnt\_lgc$  | target_EOTActuatorMng_Per1_CcwFound_C   | Cnt_lgc                    |        |
| target Rte Inst Ap EOTActuatorMng.EOTActuatorMng Per1 CwEOT HwDeg f32   | target_EOTActuatorMng_Per1_CwEOT_Hwt    | Deg_f32                    |        |
| $target\_Rte\_Inst\_Ap\_EOTActuatorMng.EOTActuatorMng\_Per1\_CwFound\_Cnt\_lgc$   | target_EOTActuatorMng_Per1_CwFound_Cr   | nt_lgc                     |        |
| target_Rte_Inst_Ap_EOTActuatorMng.EOTActuatorMng_Per1_EOTDisable_Cnt_lgc  | target_EOTActuatorMng_Per1_EOTDisable_  | Cnt_lgc                    |        |
| $target\_Rte\_Inst\_Ap\_EOTActuatorMng.EOTActuatorMng\_Per1\_HandWheelAuth\_Ulstarget\_Results and the property of th$  | target_EOTActuatorMng_Per1_HandWheelA   | uth_Uls_f32                |        |
| target_Rte_Inst_Ap_EOTActuatorMng.EOTActuatorMng_Per1_HandWheelPos_Hwl  | target_EOTActuatorMng_Per1_HandWheelP   | os_HwDeg_f32               |        |
| $target\_Rte\_Inst\_Ap\_EOTActuatorMng.EOTActuatorMng\_Per1\_HwTorque\_HwNm\_fractuatorMng\_Per1\_HwTorque\_HwNm_fractuatorMng\_Per1\_HwNm_fractuatorMng\_Per1\_HwNm_fractuatorMng\_Per1\_HwNm_fractuatorMng\_Per1\_HwNm_fractuatorMng\_Per1\_HwNm_fractuatorMng\_Per1\_HwNm_fractuatorMng\_Per1\_HwNm_fractuatorMng\_Per1\_HwNm_fractuatorMng\_Per1\_HwNm_fractuatorMng\_Per1\_HwNm_fractuatorMng\_Per1\_HwNm_fractuatorMng\_Per1\_HwNm_fractuatorMng\_Per1\_HwNm_fractuatorMng\_Per1\_HwNm_fractuatorMng\_Per1\_HwNm_fractuatorMng\_Per1\_HwNm_fractuatorMng\_Per1\_HwNm_fractuatorMng\_Per1\_HwNm_fractuatorMng\_Per1\_HwNm_fr$ | target_EOTActuatorMng_Per1_HwTorque_H   | wNm_f32                    |        |
| target_Rte_Inst_Ap_EOTActuatorMng.EOTActuatorMng_Per1_MotorVel_MtrRadpS   | target_EOTActuatorMng_Per1_MotorVel_Mt  | RadpS_f32                  |        |
| $target\_Rte\_Inst\_Ap\_EOTActuatorMng.EOTActuatorMng\_Per1\_OutputRampMultLtd\_Inst\_Ap\_EOTActuatorMng\_Per1\_OutputRampMultLtd\_Inst\_Ap\_EOTActuatorMng\_Per1\_OutputRampMultLtd\_Inst\_Ap\_EOTActuatorMng\_Per1\_OutputRampMultLtd\_Inst\_Ap\_EOTActuatorMng\_Per1\_OutputRampMultLtd\_Inst\_Ap\_EOTActuatorMng\_Per1\_OutputRampMultLtd\_Inst\_Ap\_EOTActuatorMng\_Per1\_OutputRampMultLtd\_Inst\_Ap\_EOTActuatorMng\_Per1\_OutputRampMultLtd\_Inst\_Ap\_EOTActuatorMng\_Per1\_OutputRampMultLtd\_Inst\_Ap\_EOTActuatorMng\_Per1\_OutputRampMultLtd\_Inst\_Ap\_EOTActuatorMng\_Per1\_OutputRampMultLtd\_InstAp\_EOTActuatorMng\_Per1\_$                                      | target_EOTActuatorMng_Per1_OutputRample | MultLtd_Uls_f32            |        |
| target_Rte_Inst_Ap_EOTActuatorMng.EOTActuatorMng_Per1_VehicleSpeed_Kph_   | target_EOTActuatorMng_Per1_VehicleSpeed | d_Kph_f32                  |        |
| Name  | Actual Value                            | Expected Value             | Result |
| EOTActuatorMng_Damping_MtrNm_M_f32  | 4.01077986                              | 4.01077986 ± 0.0000390625  | ~      |
| EOTActuatorMng_EOTImpactPos_HwDeg_M_f32   | 155                                     | 155 ± 0.0000390625         | ~      |
| EOTActuatorMng_FiltEOTGainSV_HwNm_M_u1p31   | 231923848                               | 231923848 ± 1              | ~      |
| EOTActuatorMng_FiltHWTrqSV_HwNm_M_s7p24   | 145738368                               | 145738368 ± 1              | ~      |
| EOTActuatorMng_OutputRampMultLtd_M_f32  | 0.430999994                             | 0.430999994 ± 0.00390625   | ~      |
| EOTActuatorMng_PrevEOTGain_Uls_M_f32  | 0.107971191                             | 0.107971191 ± 0.0625       | ~      |
| EOTActuatorMng_SESState_Uls_M_enum  | SES_DISABLED                            | SES_DISABLED               | •      |
| target_EOTActuatorMng_Per1_AssistEOTDamping_MtrNm_f32.value   | 4.01077986                              | 4.01077986 ± 0.00048828125 | ~      |
| target_EOTActuatorMng_Per1_AssistEOTGain_Uls_f32.value  | 0.107971191                             | 0.107971191 ± 0.0000390625 | ~      |
| target_EOTActuatorMng_Per1_AssistEOTLimit_MtrNm_f32.value   | 0                                       | 0 ± 0.00048828125          | ~      |

|  |       |  |       | ✓      |
|--|-------|--|-------|--------|
| Actual Function                                    | Count | Expected Function                                  | Count | Result |
| Rte_Call_EOTActuatorMng_Per1_CP0_CheckpointReached | 1     | Rte_Call_EOTActuatorMng_Per1_CP0_CheckpointReached | 1     | ~      |
| EOTDetermination                                   | 1     | EOTDetermination                                   | 1     | ~      |
| EOTOrigImpact                                      | 1     | EOTOrigImpact                                      | 1     | ~      |
| IntplVarXY_u16_u16Xu16Y_Cnt                        | 1     | IntplVarXY_u16_u16Xu16Y_Cnt                        | 1     | ~      |
| SES_DetLmtPos                                      | 1     | SES_DetLmtPos                                      | 1     | ~      |
| SES_CalcExitGain                                   | 1     | SES_CalcExitGain                                   | 1     | ~      |
| IntplVarXY_u16_u16Xu16Y_Cnt                        | 1     | IntplVarXY_u16_u16Xu16Y_Cnt                        | 1     | ~      |
| SES_CalcEnterGain                                  | 1     | SES_CalcEnterGain                                  | 1     | ~      |
| BilinearXMYM_u16_u16XMu16YM_Cnt                    | 1     | BilinearXMYM_u16_u16XMu16YM_Cnt                    | 1     | ~      |
| SES_CalcEOTGain                                    | 1     | SES_CalcEOTGain                                    | 1     | ~      |
| SES_FiltEOTGain                                    | 1     | SES_FiltEOTGain                                    | 1     | ~      |
| SES_CalcEOTDamp                                    | 1     | SES_CalcEOTDamp                                    | 1     | ~      |
| BilinearXMYM_u16_u16XMu16YM_Cnt                    | 1     | BilinearXMYM_u16_u16XMu16YM_Cnt                    | 1     | ~      |
| SES_StateCtrl                                      | 1     | SES_StateCtrl                                      | 1     | ~      |
| Rte Call EOTActuatorMng Per1 CP1 CheckpointReached | 1     | Rte Call EOTActuatorMng Per1 CP1 CheckpointReached | 1     | _      |

| Test Step 2.26 (Repeat Count = 1)         | <b>✓</b>                          |
|---|-----------------------------------|
| Name                                      | Input Value                       |
| EOTActuatorMng_Damping_MtrNm_M_f32        | 4                                 |
| EOTActuatorMng_EOTImpactPos_HwDeg_M_f32   | 780.354004                        |
| EOTActuatorMng_FiltEOTGainSV_HwNm_M_u1p31 | 1889785610                        |
| EOTActuatorMng_FiltHWTrqSV_HwNm_M_s7p24   | -134217728                        |
| EOTActuatorMng_PrevEOTGain_Uls_M_f32      | 0.109999999                       |
| EOTActuatorMng_SESState_Uls_M_enum        | SES_ENTERING                      |
| Rte_Inst_Ap_EOTActuatorMng                | target_Rte_Inst_Ap_EOTActuatorMng |
| k_EOTActiveRegionBypassMaxThresh_Uls_f32  | 0.465000004                       |
| k_EOTDefltPosition_HwDeg_u12p4            | 2480                              |
| k_EOTDeltaTrqThrsh_HwNm_u9p7              | 256                               |
| k_EOTDynConf_Uls_u8p8                     | 5120                              |
| k_EOTEnterLPFKn_Cnt_u16                   | 4533                              |
| k_EOTExitLPFKn_Cnt_u16                    | 4444                              |
| k_EOTImpSpdEn_Kph_u9p7                    | 8576                              |
| k_EOTOriginalImpactandSoftEnd_Cnt_lgc     | 1                                 |
| k_EOTPosDepDempFinalSlew_MtrNmpS_T_f32    | 109.440002                        |
| k_EOTStateHwTrqLPFKn_Cnt_u16              | 3556                              |
| k_MaxRackTrvl_HwDeg_u12p4                 | 2272                              |
| k_MinRackTrvl_HwDeg_u12p4                 | 9424                              |
| k_PosRampStep_HwDeg_u12p4                 | 3744                              |
| k_SoftStopEOTEnable_Cnt_lgc               | 1                                 |
| k_SpdIptScale_MtrNmpRadpS_u4p12           | 90                                |
| t2_EOTEnterGainX_HwDeg_u12p4[0][0]        | 1520                              |

© Report created by TESSY V3.1.11, report template V2.1

2015-06-29, 18:31:27+0530



| EOTACIDAIOMING_Peri   | (MAC)              | 0-10 |
|---|--------------------|------|
| Name  | Input Value        |      |
| 2_EOTEnterGainX_HwDeg_u12p4[0][1]   | 4544               |      |
| 2_EOTEnterGainX_HwDeg_u12p4[0][2]   | 4560               |      |
| 2_EOTEnterGainX_HwDeg_u12p4[0][3]   | 4576               |      |
| 2_EOTEnterGainX_HwDeg_u12p4[1][0]   | 880                |      |
| 2_EOTEnterGainX_HwDeg_u12p4[1][1]   | 2624               |      |
| 2_EOTEnterGainX_HwDeg_u12p4[1][2]   | 2640               |      |
| 2_EOTEnterGainX_HwDeg_u12p4[1][3]   | 2656               |      |
| 2_EOTEnterGainX_HwDeg_u12p4[2][0]   | 1520               |      |
| 2_EOTEnterGainX_HwDeg_u12p4[2][1]   | 4544               |      |
| 2_EOTEnterGainX_HwDeg_u12p4[2][2]   | 4560               |      |
| 2_EOTEnterGainX_HwDeg_u12p4[2][3]   | 4576               |      |
| 2_EOTEnterGainX_HwDeg_u12p4[3][0]   | 2160               |      |
| 2_EOTEnterGainX_HwDeg_u12p4[3][1]   | 6464               |      |
| 2_EOTEnterGainX_HwDeg_u12p4[3][2]   | 6480               |      |
| 2_EOTEnterGainX_HwDeg_u12p4[3][3]   | 6496               |      |
| 2_EOTEnterGainY_Uls_u1p15[0][0]   | 6                  |      |
| 2_EOTEnterGainY_Uls_u1p15[0][1]   | 7                  |      |
| 2_EOTEnterGainY_Uls_u1p15[0][2]   | 59                 |      |
| 2 EOTEnterGainY Uls u1p15[0][3]   | 573                |      |
|   | 8                  |      |
| 2_EOTEnterGainY_Uls_u1p15[1][0]   |                    |      |
| 2_EOTEnterGainY_Uls_u1p15[1][1]   | 9                  |      |
| 2_EOTEnterGainY_Uls_u1p15[1][2]   | 118                |      |
| 2_EOTEnterGainY_Uls_u1p15[1][3]   | 1144               |      |
| 2_EOTEnterGainY_Uls_u1p15[2][0]   | 5                  |      |
| 2_EOTEnterGainY_Uls_u1p15[2][1]   | 6                  |      |
| 2_EOTEnterGainY_Uls_u1p15[2][2]   | 39                 |      |
| 2_EOTEnterGainY_Uls_u1p15[2][3]   | 383                |      |
| 2_EOTEnterGainY_Uls_u1p15[3][0]   | 573                |      |
| 2_EOTEnterGainY_Uls_u1p15[3][1]   | 59                 |      |
| 2_EOTEnterGainY_Uls_u1p15[3][2]   | 6                  |      |
| 2_EOTEnterGainY_Uls_u1p15[3][3]   | 7                  |      |
| 2_EOTExPosDepDmpTblY_MtrNmpRadps_u0p16[0][0]                                  | 380                |      |
| 2_EOTExPosDepDmpTblY_MtrNmpRadps_u0p16[0][1]                                  | 538                |      |
| 2_EOTExPosDepDmpTblY_MtrNmpRadps_u0p16[1][0]                                  | 455                |      |
| 2_EOTExPosDepDmpTblY_MtrNmpRadps_u0p16[1][1]                                  | 646                |      |
| 2_EOTExPosDepDmpTblY_MtrNmpRadps_u0p16[2][0]                                  | 334                |      |
| 2_EOTExPosDepDmpTblY_MtrNmpRadps_u0p16[2][1]                                  | 474                |      |
| 2_EOTExPosDepDmpTblY_MtrNmpRadps_u0p16[3][0]                                  | 410                |      |
| 2 EOTExPosDepDmpTblY MtrNmpRadps u0p16[3][1]                                  | 581                |      |
| 2_EOTPosDepDmpTblX_HwDeg_u12p4[0][0]  | 352                |      |
| 2 EOTPosDepDmpTblX HwDeg u12p4[0][1]  | 4272               |      |
| 2_EOTPosDepDmpTbIX_HwDeg_u12p4[1][0]  | 1088               |      |
| 2_EOTPosDepDmpTbIX_HwDeg_u12p4[1][1]  | 1472               |      |
| 2_EOTPosDepDmpTblX_HwDeg_u12p4[2][0]  | 704                |      |
| correspondents/_nwesg_u12p4[2][0]<br>2_EOTPosDepDmpTblX_HwDeg_u12p4[2][1]     | 3408               |      |
| COTPosDepDmpTblX_HwDeg_u12p4[3][0]  | 560                |      |
| 2_EOTPosDepDmpTblX_HwDeg_u12p4[3][1]  | 944                |      |
|   |                    |      |
| 2_EOTPosDepDmpTblY_MtrNmpRadpS_u0p16[0][0]                                    | 54                 |      |
| 2_EOTPosDepDmpTblY_MtrNmpRadpS_u0p16[0][1]                                    | 380                |      |
| 2_EOTPosDepDmpTblY_MtrNmpRadpS_u0p16[1][0]                                    | 349                |      |
| 2_EOTPosDepDmpTblY_MtrNmpRadpS_u0p16[1][1]                                    | 495                |      |
| 2_EOTPosDepDmpTblY_MtrNmpRadpS_u0p16[2][0]                                    | 440                |      |
| 2_EOTPosDepDmpTblY_MtrNmpRadpS_u0p16[2][1]                                    | 624                |      |
| 2_EOTPosDepDmpTblY_MtrNmpRadpS_u0p16[3][0]                                    | 122                |      |
| 2_EOTPosDepDmpTblY_MtrNmpRadpS_u0p16[3][1]                                    | 173                |      |
| _EOTDmpVspd_Kph_u9p7[0]   | 7040               |      |
| _EOTDmpVspd_Kph_u9p7[1]   | 20992              |      |
| _EOTDmpVspd_Kph_u9p7[2]   | 21120              |      |
| _EOTDmpVspd_Kph_u9p7[3]   | 21248              |      |
| _EOTEnterGainVspd_Kph_u9p7[0]   | 7040               |      |
| _EOTEnterGainVspd_Kph_u9p7[1]   | 20992              |      |
| _EOTEnterGainVspd_Kph_u9p7[2]   | 21120              |      |
| EOTEnterGainVspd_Kph_u9p7[3]  | 21248              |      |
| SpdIptTbIXTbI_HwDeg_u12p4[0]  | 480                |      |
| SpdlptTblXTbl_HwDeg_u12p4[1]  | 624                |      |
| _SpdlptTblYTbl_MtrRadpS_u12p4[0]  | 560                |      |
| _SpdlptTblYTbl_MtrRadpS_u12p4[1]  | 944                |      |
| _cpuptrorrror_wittkaups_urzp+[r]<br>_TrqTableX_HwNm_u8p8[0]                   | 768                |      |
|   | 1280               |      |
| _TrqTableX_HwNm_u8p8[1]   |                    |      |
| _TrqTblY_Uls_u2p14[0]   | 344                |      |
|   | 426                |      |
| <br>_TrqTbly_Uls_u2p14[1]<br>arget_EOTActuatorMng_Per1_CcwEOT_HwDeg_f32.value | 426<br>-333.082001 |      |

2015-06-29, 18:31:27+0530



EOTActuatorMng\_Per1

EOTActuatorMng\_SESState\_Uls\_M\_enum

 $target\_EOTActuatorMng\_Per1\_AssistEOTDamping\_MtrNm\_f32.value$ 

 $target\_EOTActuatorMng\_Per1\_AssistEOTGain\_Uls\_f32.value$ 

target\_EOTActuatorMng\_Per1\_AssistEOTLimit\_MtrNm\_f32.value

| Name  | Input Value                            |                           |        |
|---|--|---------------------------|--------|
| target_EOTActuatorMng_Per1_CwEOT_HwDeg_f32.value  | 1111.02002                             |                           |        |
| target_EOTActuatorMng_Per1_CwFound_Cnt_lgc.value  | 1                                      |                           |        |
| target_EOTActuatorMng_Per1_EOTDisable_Cnt_lgc.value   | 1                                      |                           |        |
| target_EOTActuatorMng_Per1_HandWheelAuth_Uls_f32.value  | 0.95599997                             |                           |        |
| target_EOTActuatorMng_Per1_HandWheelPos_HwDeg_f32.value   | 400.540009                             |                           |        |
| target_EOTActuatorMng_Per1_HwTorque_HwNm_f32.value  | 5.5                                    |                           |        |
| target_EOTActuatorMng_Per1_MotorVel_MtrRadpS_f32.value  | 0                                      |                           |        |
| target_EOTActuatorMng_Per1_OutputRampMultLtd_Uls_f32.value  | 0.561999977                            |                           |        |
| target_EOTActuatorMng_Per1_VehicleSpeed_Kph_f32.value   | 28.698                                 |                           |        |
| $target\_Rte\_Inst\_Ap\_EOTActuatorMng.EOTActuatorMng\_Per1\_AssistEOTDamping\_Per1\_AssisTEOTDamping\_Per1\_AssisTEOTDamping\_Per1\_AssisTEOTDamping\_Per1\_AssisTEOTD$  | target_EOTActuatorMng_Per1_AssistEOTDa | amping_MtrNm_f32          |        |
| $target\_Rte\_Inst\_Ap\_EOTActuatorMng.EOTActuatorMng\_Per1\_AssistEOTGain\_Uls\_Inst\_Ap\_EOTActuatorMng\_Per1\_AssistEOTGain\_Uls\_Inst\_Ap\_EOTActuatorMng\_Per1\_AssistEOTGain\_Uls\_Inst\_Ap\_EOTActuatorMng\_Per1\_AssistEOTGain\_Uls\_Inst\_Ap\_EOTActuatorMng\_Per1\_AssistEOTGain\_Uls\_Inst\_Ap\_EOTActuatorMng\_Per1\_AssistEOTGain\_Uls\_Inst\_Ap\_EOTActuatorMng\_Per1\_AssistEOTGain\_Uls\_Inst\_Ap\_EOTActuatorMng\_Per1\_AssistEOTGain\_Uls\_Inst\_Ap\_EOTActuatorMng\_Per1\_AssistEOTGain\_Uls\_Inst\_Ap\_EOTActuatorMng\_Per1\_AssistEOTGain\_Uls\_Inst\_Ap\_EOTActuatorMng\_Per1\_AssistEOTGain\_Uls\_Inst\_Ap\_EOTActuatorMng\_Per1\_AssistEOTGain\_Uls\_Inst\_Ap\_EOTActuatorMng\_Per1\_AssistEOTGain\_Uls\_Inst_Ap\_EOTActuatorMng\_Per1\_AssistEOTGain\_Uls\_Inst_Ap\_EOTActuatorMng\_Per1\_AssistEOTGain\_Uls\_Inst_Ap\_EOTActuatorMng\_ApATORMng\_ApATORM$  | target_EOTActuatorMng_Per1_AssistEOTG  | ain_Uls_f32               |        |
| $target\_Rte\_Inst\_Ap\_EOTActuatorMng.EOTActuatorMng\_Per1\_AssistEOTLimit\_Mtr12000000000000000000000000000000000000$   | target_EOTActuatorMng_Per1_AssistEOTLi | mit_MtrNm_f32             |        |
| target_Rte_Inst_Ap_EOTActuatorMng.EOTActuatorMng_Per1_CcwEOT_HwDeg_f3   | target_EOTActuatorMng_Per1_CcwEOT_Hv   | vDeg_f32                  |        |
| $target\_Rte\_Inst\_Ap\_EOTActuatorMng.EOTActuatorMng\_Per1\_CcwFound\_Cnt\_Igc$  | target_EOTActuatorMng_Per1_CcwFound_0  | Cnt_lgc                   |        |
| target_Rte_Inst_Ap_EOTActuatorMng.EOTActuatorMng_Per1_CwEOT_HwDeg_f32   | target_EOTActuatorMng_Per1_CwEOT_Hw    | Deg_f32                   |        |
| $target\_Rte\_Inst\_Ap\_EOTActuatorMng.EOTActuatorMng\_Per1\_CwFound\_Cnt\_lgc$   | target_EOTActuatorMng_Per1_CwFound_C   | nt_lgc                    |        |
| $target\_Rte\_Inst\_Ap\_EOTActuatorMng.EOTActuatorMng\_Per1\_EOTDisable\_Cnt\_Igenum and the property of the property$  | target_EOTActuatorMng_Per1_EOTDisable  | _Cnt_lgc                  |        |
| $target\_Rte\_Inst\_Ap\_EOTActuatorMng.EOTActuatorMng\_Per1\_HandWheelAuth\_Ulstanderschaften auch auch auch auch auch auch auch auch$  | target_EOTActuatorMng_Per1_HandWheelA  | Auth_Uls_f32              |        |
| $target\_Rte\_Inst\_Ap\_EOTActuatorMng.EOTActuatorMng\_Per1\_HandWheelPos\_HwleelPos\_HwleelPos$  | target_EOTActuatorMng_Per1_HandWheelF  | Pos_HwDeg_f32             |        |
| $target\_Rte\_Inst\_Ap\_EOTActuatorMng.EOTActuatorMng\_Per1\_HwTorque\_HwNm\_f$   | target_EOTActuatorMng_Per1_HwTorque_H  | lwNm_f32                  |        |
| $target\_Rte\_Inst\_Ap\_EOTActuatorMng.EOTActuatorMng\_Per1\_MotorVel\_MtrRadpS_{actual}$   | target_EOTActuatorMng_Per1_MotorVel_Mt | rRadpS_f32                |        |
| $target\_Rte\_Inst\_Ap\_EOTActuatorMng.EOTActuatorMng\_Per1\_OutputRampMultLtd\_Inst\_Ap\_EOTActuatorMng\_Per1\_OutputRampMultLtd\_Inst\_Ap\_EOTActuatorMng\_Per1\_OutputRampMultLtd\_Inst\_Ap\_EOTActuatorMng\_Per1\_OutputRampMultLtd\_Inst\_Ap\_EOTActuatorMng\_Per1\_OutputRampMultLtd\_Inst\_Ap\_EOTActuatorMng\_Per1\_OutputRampMultLtd\_Inst\_Ap\_EOTActuatorMng\_Per1\_OutputRampMultLtd\_Inst\_Ap\_EOTActuatorMng\_Per1\_OutputRampMultLtd\_Inst\_Ap\_EOTActuatorMng\_Per1\_OutputRampMultLtd\_Inst\_Ap\_EOTActuatorMng\_Per1\_OutputRampMultLtd\_Inst\_Ap\_EOTActuatorMng\_Per1\_OutputRampMultLtd\_Inst\_Ap\_EOTActuatorMng\_Per1\_OutputRampMultLtd\_Inst\_Ap\_EOTActuatorMng\_Per1\_OutputRampMultLtd\_Inst\_Ap\_EOTActuatorMng\_Per1\_OutputRampMultLtd\_Inst\_Ap\_EOTActuatorMng\_Per1\_OutputRampMultLtd\_Inst\_Ap\_EOTActuatorMng\_Per1\_OutputRampMultLtd\_Inst_Ap\_EOTActuatorMng\_Per1\_OutputRampMu$   | target_EOTActuatorMng_Per1_OutputRamp  | MultLtd_Uls_f32           |        |
| $target\_Rte\_Inst\_Ap\_EOTActuatorMng.EOTActuatorMng\_Per1\_VehicleSpeed\_Kph\_Inst\_Ap\_EOTActuatorMng\_Per1\_VehicleSpeed\_Kph\_Inst\_Ap\_EOTActuatorMng\_Per1\_VehicleSpeed\_Kph\_Inst\_Ap\_EOTActuatorMng\_Per1\_VehicleSpeed\_Kph\_Inst\_Ap\_EOTActuatorMng\_Per1\_VehicleSpeed\_Kph\_Inst\_Ap\_EOTActuatorMng\_Per1\_VehicleSpeed\_Kph\_Inst\_Ap\_EOTActuatorMng\_Per1\_VehicleSpeed\_Kph\_Inst\_Ap\_EOTActuatorMng\_Per1\_VehicleSpeed\_Kph\_Inst\_Ap\_EOTActuatorMng\_Per1\_VehicleSpeed\_Kph\_Inst\_Ap\_EOTActuatorMng\_Per1\_VehicleSpeed\_Kph\_Inst_Ap\_EOTActuatorMng\_Per1\_VehicleSpe$ | target_EOTActuatorMng_Per1_VehicleSpee | d_Kph_f32                 |        |
| Name  | Actual Value                           | Expected Value            | Result |
| EOTActuatorMng_Damping_MtrNm_M_f32  | 3.78112006                             | 3.78112006 ± 0.0000390625 | ~      |
| EOTActuatorMng_EOTImpactPos_HwDeg_M_f32   | 780.354004                             | 780.354004 ± 0.0000390625 | •      |
| EOTActuatorMng_FiltEOTGainSV_HwNm_M_u1p31   | 1759103753                             | 1759103753 ± 1            | •      |
| EOTActuatorMng_FiltHWTrqSV_HwNm_M_s7p24   | -121928192                             | -121928192 ± 1            | •      |
| EOTActuatorMng_OutputRampMultLtd_M_f32  | 0.561999977                            | 0.561999977 ± 0.00390625  | ~      |
| EOTActuatorMng_PrevEOTGain_Uls_M_f32  | 0.819122314                            | 0.819122314 ± 0.0625      | ~      |
|   |  | I                         |        |

| T  |       |  |       | V      |
|--|-------|--|-------|--------|
| Actual Function                                    | Count | Expected Function                                  | Count | Result |
| Rte_Call_EOTActuatorMng_Per1_CP0_CheckpointReached | 1     | Rte_Call_EOTActuatorMng_Per1_CP0_CheckpointReached | 1     | ~      |
| EOTDetermination                                   | 1     | EOTDetermination                                   | 1     | ~      |
| SES_DetLmtPos                                      | 1     | SES_DetLmtPos                                      | 1     | ~      |
| SES_CalcExitGain                                   | 1     | SES_CalcExitGain                                   | 1     | •      |
| IntplVarXY_u16_u16Xu16Y_Cnt                        | 1     | IntplVarXY_u16_u16Xu16Y_Cnt                        | 1     | ~      |
| SES_CalcEnterGain                                  | 1     | SES_CalcEnterGain                                  | 1     | ~      |
| BilinearXMYM_u16_u16XMu16YM_Cnt                    | 1     | BilinearXMYM_u16_u16XMu16YM_Cnt                    | 1     | ~      |
| SES_CalcEOTGain                                    | 1     | SES_CalcEOTGain                                    | 1     | ~      |
| SES_FiltEOTGain                                    | 1     | SES_FiltEOTGain                                    | 1     | ~      |
| SES_CalcEOTDamp                                    | 1     | SES_CalcEOTDamp                                    | 1     | •      |
| BilinearXMYM_u16_u16XMu16YM_Cnt                    | 1     | BilinearXMYM_u16_u16XMu16YM_Cnt                    | 1     | ~      |
| SES_StateCtrl                                      | 1     | SES_StateCtrl                                      | 1     | ~      |
| Rte_Call_EOTActuatorMng_Per1_CP1_CheckpointReached | 1     | Rte_Call_EOTActuatorMng_Per1_CP1_CheckpointReached | 1     | •      |

3.78112006

0.819122314

8.80000019

SES\_DISABLED

3.78112006 ± 0.00048828125

0.819122314 ± 0.0000390625

8.80000019 ± 0.00048828125

SES\_DISABLED

| Test Step 2.27 (Repeat Count = 1)         | v v v v v v v v v v v v v v v v v v v |
|---|---------------------------------------|
| Name                                      | Input Value                           |
| EOTActuatorMng_Damping_MtrNm_M_f32        | 4.19999981                            |
| EOTActuatorMng_EOTImpactPos_HwDeg_M_f32   | 123.875                               |
| EOTActuatorMng_FiltEOTGainSV_HwNm_M_u1p31 | 1653562409                            |
| EOTActuatorMng_FiltHWTrqSV_HwNm_M_s7p24   | 134217728                             |
| EOTActuatorMng_PrevEOTGain_Uls_M_f32      | 0.889999986                           |
| EOTActuatorMng_SESState_Uls_M_enum        | SES_NORMAL                            |
| Rte_Inst_Ap_EOTActuatorMng                | target_Rte_Inst_Ap_EOTActuatorMng     |
| k_EOTActiveRegionBypassMaxThresh_Uls_f32  | 0.99000001                            |
| k_EOTDefltPosition_HwDeg_u12p4            | 2480                                  |
| k_EOTDeltaTrqThrsh_HwNm_u9p7              | 128                                   |
| k_EOTDynConf_Uls_u8p8                     | 0                                     |
| k_EOTEnterLPFKn_Cnt_u16                   | 6443                                  |
| k_EOTExitLPFKn_Cnt_u16                    | 5555                                  |
| k_EOTImpSpdEn_Kph_u9p7                    | 8704                                  |
| k_EOTOriginalImpactandSoftEnd_Cnt_lgc     | 0                                     |
| k_EOTPosDepDempFinalSlew_MtrNmpS_T_f32    | 113.489998                            |
| k_EOTStateHwTrqLPFKn_Cnt_u16              | 2538                                  |

2015-06-29, 18:31:27+0530



| Name   | Input Value      |  |
|--|------------------|--|
| Name<br>k_MaxRackTrvl_HwDeg_u12p4                                  | input Value 2288 |  |
| k_MinRackTrvI_HwDeg_u12p4  | 7104             |  |
| k_PosRampStep_HwDeg_u12p4  | 5136             |  |
| k SoftStopEOTEnable Cnt Igc  | 1                |  |
| k_SpdlptScale_MtrNmpRadpS_u4p12                                    | 91               |  |
| t2_EOTEnterGainX_HwDeg_u12p4[0][0]                                 | 1536             |  |
| t2_EOTEnterGainX_HwDeg_u12p4[0][1]                                 | 4592             |  |
| t2_EOTEnterGainX_HwDeg_u12p4[0][2]                                 | 4608             |  |
| t2_EOTEnterGainX_HwDeg_u12p4[0][3]                                 | 4624             |  |
| t2_EOTEnterGainX_HwDeg_u12p4[1][0]                                 | 896              |  |
| t2_EOTEnterGainX_HwDeg_u12p4[1][1]                                 | 2672             |  |
| 2_EOTEnterGainX_HwDeg_u12p4[1][2]                                  | 2688             |  |
| 2_EOTEnterGainX_HwDeg_u12p4[1][3]                                  | 2704             |  |
| 2_EOTEnterGainX_HwDeg_u12p4[2][0]                                  | 1536             |  |
| 2_EOTEnterGainX_HwDeg_u12p4[2][1]                                  | 4592             |  |
| 2_EOTEnterGainX_HwDeg_u12p4[2][2]                                  | 4608             |  |
| 2_EOTEnterGainX_HwDeg_u12p4[2][3]                                  | 4624             |  |
| 2_EOTEnterGainX_HwDeg_u12p4[3][0]                                  | 2176             |  |
| 2_EOTEnterGainX_HwDeg_u12p4[3][1]                                  | 6512             |  |
| 2_EOTEnterGainX_HwDeg_u12p4[3][2]                                  | 6528             |  |
| 2_EOTEnterGainX_HwDeg_u12p4[3][3]                                  | 6544             |  |
| 2_EOTEnterGainY_Uls_u1p15[0][0]                                    | 6                |  |
| 2_EOTEnterGainY_Uls_u1p15[0][1]                                    | 7                |  |
| 2_EOTEnterGainY_Uls_u1p15[0][2]                                    | 69<br>668        |  |
| 2_EOTEnterGainY_Uls_u1p15[0][3]                                    | 8                |  |
| 2_EOTEnterGainY_Uls_u1p15[1][0]<br>2_EOTEnterGainY_Uls_u1p15[1][1] | 9                |  |
| 2_EOTEItterGain1_Dis_u1p15[1][1] 2_EOTEItterGain1_Uls_u1p15[1][2]  | 127              |  |
| 2_EOTEIRE/GainY_Uls_u1p15[1][3]                                    | 1239             |  |
| 2_EOTEnterGainY_Uls_u1p15[7][0]                                    | 6                |  |
| 2_EOTEING/GainY_Uls_u1p15[2][0]                                    | 6                |  |
| 2_EOTEnterGainY_Uls_u1p15[2][2]                                    | 49               |  |
| 2_EOTEnterGainY_Uls_u1p15[2][3]                                    | 478              |  |
| 2_EOTEnterGainY_Uls_u1p15[3][0]                                    | 668              |  |
| 12_EOTEnterGainY_Uls_u1p15[3][1]                                   | 69               |  |
| 2_EOTEnterGainY_Uls_u1p15[3][2]                                    | 6                |  |
| t2_EOTEnterGainY_Uls_u1p15[3][3]                                   | 7                |  |
| t2_EOTExPosDepDmpTblY_MtrNmpRadps_u0p16[0][0]                      | 395              |  |
| 2_EOTExPosDepDmpTblY_MtrNmpRadps_u0p16[0][1]                       | 560              |  |
| 2_EOTExPosDepDmpTblY_MtrNmpRadps_u0p16[1][0]                       | 471              |  |
| 2_EOTExPosDepDmpTblY_MtrNmpRadps_u0p16[1][1]                       | 667              |  |
| 2_EOTExPosDepDmpTblY_MtrNmpRadps_u0p16[2][0]                       | 349              |  |
| 2_EOTExPosDepDmpTblY_MtrNmpRadps_u0p16[2][1]                       | 495              |  |
| 2_EOTExPosDepDmpTblY_MtrNmpRadps_u0p16[3][0]                       | 425              |  |
| 2_EOTExPosDepDmpTblY_MtrNmpRadps_u0p16[3][1]                       | 603              |  |
| 2_EOTPosDepDmpTblX_HwDeg_u12p4[0][0]                               | 384              |  |
| 2_EOTPosDepDmpTblX_HwDeg_u12p4[0][1]                               | 4288             |  |
| 2_EOTPosDepDmpTblX_HwDeg_u12p4[1][0]                               | 1104             |  |
| 2_EOTPosDepDmpTblX_HwDeg_u12p4[1][1]                               | 1488             |  |
| 2_EOTPosDepDmpTbIX_HwDeg_u12p4[2][0]                               | 256              |  |
| 2_EOTPosDepDmpTbIX_HwDeg_u12p4[2][1]                               | 3424             |  |
| 2_EOTPosDepDmpTblX_HwDeg_u12p4[3][0]                               | 576              |  |
| 2_EOTPosDepDmpTblX_HwDeg_u12p4[3][1]                               | 960              |  |
| 2_EOTPosDepDmpTblY_MtrNmpRadpS_u0p16[0][0]                         | 56               |  |
| 2_EOTPosDepDmpTblY_MtrNmpRadpS_u0p16[0][1]                         | 395              |  |
| 2_EOTPosDepDmpTblY_MtrNmpRadpS_u0p16[1][0]                         | 365              |  |
| 2_EOTPosDepDmpTblY_MtrNmpRadpS_u0p16[1][1]                         | 517              |  |
| 2_EOTPosDepDmpTblY_MtrNmpRadpS_u0p16[2][0]                         | 455              |  |
| 2_EOTPosDepDmpTblY_MtrNmpRadpS_u0p16[2][1]                         | 646              |  |
| 2_EOTPosDepDmpTblY_MtrNmpRadpS_u0p16[3][0]                         | 137              |  |
| 2_EOTPosDepDmpTblY_MtrNmpRadpS_u0p16[3][1]                         | 194              |  |
| _EOTDmpVspd_Kph_u9p7[0]  | 7168             |  |
| _EOTDmpVspd_Kph_u9p7[1]  | 21376            |  |
| _EOTDmpVspd_Kph_u9p7[2]  | 21504            |  |
| _EOTDmpVspd_Kph_u9p7[3]  | 21632            |  |
| _EOTEnterGainVspd_Kph_u9p7[0]                                      | 7168             |  |
| _EOTEnterGainVspd_Kph_u9p7[1]                                      | 21376            |  |
| _EOTEnterGainVspd_Kph_u9p7[2]                                      | 21504            |  |
| :_EOTEnterGainVspd_Kph_u9p7[3]                                     | 21632<br>496     |  |
| t_SpdlptTblXTbl_HwDeg_u12p4[0]                                     | 640              |  |
| t_SpdlptTblXTbl_HwDeg_u12p4[1]                                     | 576              |  |
| t_SpdlptTblYTbl_MtrRadpS_u12p4[0]                                  | 570              |  |

2015-06-29, 18:31:27+0530



EOTActuatorMng\_Per1

| 2017 lottadio ming_1 of 1   |  |                           |          |
|---|--|---------------------------|----------|
| Name  | Input Value                                |                           |          |
| t_TrqTableX_HwNm_u8p8[0]  | 512  |                           |          |
| t_TrqTableX_HwNm_u8p8[1]  | 1024                                       |                           |          |
| t_TrqTblY_Uls_u2p14[0]  | 360  |                           |          |
| t_TrqTblY_Uls_u2p14[1]  | 442  |                           |          |
| target_EOTActuatorMng_Per1_CcwEOT_HwDeg_f32.value   | -330.341003                                |                           |          |
| target_EOTActuatorMng_Per1_CcwFound_Cnt_lgc.value   | 1  |                           |          |
| target_EOTActuatorMng_Per1_CwEOT_HwDeg_f32.value  | 1200.28003                                 |                           |          |
| target_EOTActuatorMng_Per1_CwFound_Cnt_lgc.value  | 1  |                           |          |
| target_EOTActuatorMng_Per1_EOTDisable_Cnt_lgc.value   | 0  |                           |          |
| target_EOTActuatorMng_Per1_HandWheelAuth_Uls_f32.value  | 0.349999994                                |                           |          |
| target_EOTActuatorMng_Per1_HandWheelPos_HwDeg_f32.value   | -140.546005                                |                           |          |
| target_EOTActuatorMng_Per1_HwTorque_HwNm_f32.value  | -5.5                                       |                           |          |
| target_EOTActuatorMng_Per1_MotorVel_MtrRadpS_f32.value  | -900.099976                                |                           |          |
| target_EOTActuatorMng_Per1_OutputRampMultLtd_Uls_f32.value  | 0.224000007                                |                           |          |
| target_EOTActuatorMng_Per1_VehicleSpeed_Kph_f32.value   | 29.1410007                                 |                           |          |
| target Rte Inst Ap EOTActuatorMng.EOTActuatorMng Per1 AssistEOTDampin   | target_EOTActuatorMng_Per1_AssistEOTD      | amping_MtrNm_f32          |          |
| $target\_Rte\_Inst\_Ap\_EOTActuatorMng.EOTActuatorMng\_Per1\_AssistEOTGain\_United States and the property of the pr$   | s_ target_EOTActuatorMng_Per1_AssistEOTG   | ain_Uls_f32               |          |
| $target\_Rte\_Inst\_Ap\_EOTActuatorMng.EOTActuatorMng\_Per1\_AssistEOTLimit\_Mng\_Per1\_AssisTEOTLimit\_Mng\_Per$  | trit target_EOTActuatorMng_Per1_AssistEOTL | imit_MtrNm_f32            |          |
| $target\_Rte\_Inst\_Ap\_EOTActuatorMng.EOTActuatorMng\_Per1\_CcwEOT\_HwDeg\_Per1\_CcwEOT\_HwD$ | target_EOTActuatorMng_Per1_CcwEOT_H        | wDeg_f32                  |          |
| $target\_Rte\_Inst\_Ap\_EOTActuatorMng.EOTActuatorMng\_Per1\_CcwFound\_Cnt\_lg$   | target_EOTActuatorMng_Per1_CcwFound_       | Cnt_lgc                   |          |
| $target\_Rte\_Inst\_Ap\_EOTActuatorMng.EOTActuatorMng\_Per1\_CwEOT\_HwDeg\_f$   | 32 target_EOTActuatorMng_Per1_CwEOT_Hw     | Deg_f32                   |          |
| $target\_Rte\_Inst\_Ap\_EOTActuatorMng.EOTActuatorMng\_Per1\_CwFound\_Cnt\_Igcolor=0.00000000000000000000000000000000000$   | target_EOTActuatorMng_Per1_CwFound_C       | cnt_lgc                   |          |
| $target\_Rte\_Inst\_Ap\_EOTActuatorMng.EOTActuatorMng\_Per1\_EOTDisable\_Cnt\_Inst\_Results (Ap\_EOTActuatorMng\_Per1\_EOTDisable\_Cnt\_Inst\_Results (Ap\_EOTActuatorMng\_Per1\_EOTDisable\_Cnt\_Inst_Results (Ap\_EOTActuatorMng\_Per1\_EOTDisable\_Cnt\_Inst_Results (Ap\_EOTActuatorMng\_Per1\_EOTDisable\_Cnt\_Inst_Results (Ap\_EOTActuatorMng\_Per1\_EOTDisable\_Cnt\_Inst_Results (Ap\_EOTActuatorMng\_Per1\_EOTDisable\_Cnt\_Inst_Results (Ap\_EOTActuatorMng\_Per1\_EOTDisable\_Cnt\_Inst_Results (Ap\_EOTActuatorMng\_Per1\_EOTDisable\_Cnt\_Inst_Results (Ap\_EOTActuatorMng\_Per1\_EOTDisable\_Cnt\_Inst_Results (Ap\_EOTActuatorMng\_Per1\_EOTActuatorMng\_EOTActuatorMng\_Per1\_EOTActuatorMng\_Per1\_EOT$   | gc target_EOTActuatorMng_Per1_EOTDisable   | _Cnt_lgc                  |          |
| $target\_Rte\_Inst\_Ap\_EOTActuatorMng.EOTActuatorMng\_Per1\_HandWheelAuth\_United States and the property of the pr$   | lls target_EOTActuatorMng_Per1_HandWheel   | Auth_Uls_f32              |          |
| target Rte Inst Ap EOTActuatorMng.EOTActuatorMng Per1 HandWheelPos H  | wl target_EOTActuatorMng_Per1_HandWheell   | Pos_HwDeg_f32             |          |
| $target\_Rte\_Inst\_Ap\_EOTActuatorMng.EOTActuatorMng\_Per1\_HwTorque\_HwNmg\_Per1\_HwTorque$   | _f: target_EOTActuatorMng_Per1_HwTorque_I  | HwNm_f32                  |          |
| $target\_Rte\_Inst\_Ap\_EOTActuatorMng.EOTActuatorMng\_Per1\_MotorVel\_MtrRadparter (Approximately a content of the c$   | S target_EOTActuatorMng_Per1_MotorVel_M    | trRadpS_f32               |          |
| $target\_Rte\_Inst\_Ap\_EOTActuatorMng.EOTActuatorMng\_Per1\_OutputRampMultLine (State of the Control of the Control$  | d_target_EOTActuatorMng_Per1_OutputRamp    | oMultLtd_Uls_f32          |          |
| target_Rte_Inst_Ap_EOTActuatorMng.EOTActuatorMng_Per1_VehicleSpeed_Kpt  | _ target_EOTActuatorMng_Per1_VehicleSpee   | ed_Kph_f32                |          |
| Name  | Actual Value                               | Expected Value            | Result   |
| EOTActuatorMng_Damping_MtrNm_M_f32  | 3.97301984                                 | 3.97302008 ± 0.0000390625 | ~        |
| EOTActuatorMng_EOTImpactPos_HwDeg_M_f32   | 123.875                                    | 123.875 ± 0.0000390625    | ~        |
| EOTActuatorMng_FiltEOTGainSV_HwNm_M_u1p31   | 1495303000                                 | 1495303000 ± 1            | ~        |
| EOTActuatorMng_FiltHWTrqSV_HwNm_M_s7p24   | 132593408                                  | 132593408 ± 1             | <b>✓</b> |
| EOTActuatorMng_OutputRampMultLtd_M_f32  | 0.224000007                                | 0.224000007 ± 0.00390625  | <b>✓</b> |

| <i>τ</i>   |       |  |       |          |
|--|-------|--|-------|----------|
| Actual Function                                    | Count | Expected Function                                  | Count | Result   |
| Rte_Call_EOTActuatorMng_Per1_CP0_CheckpointReached | 1     | Rte_Call_EOTActuatorMng_Per1_CP0_CheckpointReached | 1     | ~        |
| EOTDetermination                                   | 1     | EOTDetermination                                   | 1     | ~        |
| SES_DetLmtPos                                      | 1     | SES_DetLmtPos                                      | 1     | •        |
| SES_CalcExitGain                                   | 1     | SES_CalcExitGain                                   | 1     | •        |
| IntplVarXY_u16_u16Xu16Y_Cnt                        | 1     | IntplVarXY_u16_u16Xu16Y_Cnt                        | 1     | •        |
| SES_CalcEnterGain                                  | 1     | SES_CalcEnterGain                                  | 1     | •        |
| BilinearXMYM_u16_u16XMu16YM_Cnt                    | 1     | BilinearXMYM_u16_u16XMu16YM_Cnt                    | 1     | •        |
| SES_CalcEOTGain                                    | 1     | SES_CalcEOTGain                                    | 1     | <b>✓</b> |
| SES_FiltEOTGain                                    | 1     | SES_FiltEOTGain                                    | 1     | ~        |
| SES_CalcEOTDamp                                    | 1     | SES_CalcEOTDamp                                    | 1     | ~        |
| BilinearXMYM_u16_u16XMu16YM_Cnt                    | 1     | BilinearXMYM_u16_u16XMu16YM_Cnt                    | 1     | •        |
| SES_StateCtrl                                      | 1     | SES_StateCtrl                                      | 1     | ~        |
| IntplVarXY_u16_u16Xu16Y_Cnt                        | 2     | IntplVarXY_u16_u16Xu16Y_Cnt                        | 2     | -        |
| Rte Call EOTActuatorMng Per1 CP1 CheckpointReached | 1     | Rte Call EOTActuatorMng Per1 CP1 CheckpointReached | 1     | <b>~</b> |

0.696289063

3.97301984

0.696289063

8.80000019

SES\_NORMAL

0.696289063 ± 0.0625

3.97302008 ± 0.00048828125

0.696289063 ± 0.0000390625

8.80000019 ± 0.00048828125

SES\_NORMAL

| Test Step 2.28 (Repeat Count = 1)         |                                   | ✓ |
|---|-----------------------------------|---|
| Name                                      | Input Value                       |   |
| EOTActuatorMng_Damping_MtrNm_M_f32        | 4.4000001                         |   |
| EOTActuatorMng_EOTImpactPos_HwDeg_M_f32   | 890.041016                        |   |
| EOTActuatorMng_FiltEOTGainSV_HwNm_M_u1p31 | 1417339208                        |   |
| EOTActuatorMng_FiltHWTrqSV_HwNm_M_s7p24   | -117440512                        |   |
| EOTActuatorMng_PrevEOTGain_Uls_M_f32      | 0.779999971                       |   |
| EOTActuatorMng_SESState_Uls_M_enum        | SES_ENTERING                      |   |
| Rte_Inst_Ap_EOTActuatorMng                | target_Rte_Inst_Ap_EOTActuatorMng |   |
| k_EOTActiveRegionBypassMaxThresh_Uls_f32  | 0.606000006                       |   |
| k_EOTDefltPosition_HwDeg_u12p4            | 1600                              |   |
| k_EOTDeltaTrqThrsh_HwNm_u9p7              | 1152                              |   |

EOTActuatorMng\_PrevEOTGain\_Uls\_M\_f32

 $target\_EOTActuatorMng\_Per1\_AssistEOTDamping\_MtrNm\_f32.value$ 

 $target\_EOTActuatorMng\_Per1\_AssistEOTGain\_Uls\_f32.value$ 

 $target\_EOTActuatorMng\_Per1\_AssistEOTLimit\_MtrNm\_f32.value$ 

 ${\sf EOTActuatorMng\_SESState\_Uls\_M\_enum}$ 

EOTActuatorMng Per1

2015-06-29, 18:31:27+0530



Input Value k\_EOTDynConf\_Uls\_u8p8 10240 3476 k\_EOTEnterLPFKn\_Cnt\_u16 k EOTExitLPFKn Cnt u16 6666 k\_EOTImpSpdEn\_Kph\_u9p7 8832 k EOTOriginalImpactandSoftEnd Cnt lgc k\_EOTPosDepDempFinalSlew\_MtrNmpS\_T\_f32 117.540001 k\_EOTStateHwTrqLPFKn\_Cnt\_u16 8564  $k\_MaxRackTrvl\_HwDeg\_u12p4$ 2304 k\_MinRackTrvl\_HwDeg\_u12p4 8880 k\_PosRampStep\_HwDeg\_u12p4 1968 k\_SoftStopEOTEnable\_Cnt\_lgc 91  $k\_SpdIptScale\_MtrNmpRadpS\_u4p12$ 1552 t2\_EOTEnterGainX\_HwDeg\_u12p4[0][0] 4640 t2\_EOTEnterGainX\_HwDeg\_u12p4[0][1] t2\_EOTEnterGainX\_HwDeg\_u12p4[0][2] 4656 4672 t2\_EOTEnterGainX\_HwDeg\_u12p4[0][3] t2\_EOTEnterGainX\_HwDeg\_u12p4[1][0] 912 t2\_EOTEnterGainX\_HwDeg\_u12p4[1][1] 2720 t2\_EOTEnterGainX\_HwDeg\_u12p4[1][2] 2736 t2\_EOTEnterGainX\_HwDeg\_u12p4[1][3] 2752 t2\_EOTEnterGainX\_HwDeg\_u12p4[2][0] 1552 t2\_EOTEnterGainX\_HwDeg\_u12p4[2][1] 4640 t2\_EOTEnterGainX\_HwDeg\_u12p4[2][2] 4656 t2\_EOTEnterGainX\_HwDeg\_u12p4[2][3] 4672 t2 EOTEnterGainX\_HwDeg\_u12p4[3][0] 2192 t2\_EOTEnterGainX\_HwDeg\_u12p4[3][1] 6560 t2\_EOTEnterGainX\_HwDeg\_u12p4[3][2] 6576 t2\_EOTEnterGainX\_HwDeg\_u12p4[3][3] 6592 t2 EOTEnterGainY Uls u1p15[0][0] 7 t2\_EOTEnterGainY\_Uls\_u1p15[0][1] 7 t2\_EOTEnterGainY\_Uls\_u1p15[0][2] 78 t2\_EOTEnterGainY\_Uls\_u1p15[0][3] 763 t2 EOTEnterGainY Uls u1p15[1][0] 9 t2\_EOTEnterGainY\_Uls\_u1p15[1][1] 9 t2\_EOTEnterGainY\_Uls\_u1p15[1][2] 137 t2\_EOTEnterGainY\_Uls\_u1p15[1][3] 1334 t2\_EOTEnterGainY\_Uls\_u1p15[2][0] 6 t2\_EOTEnterGainY\_Uls\_u1p15[2][1] 7 t2\_EOTEnterGainY\_Uls\_u1p15[2][2] 59 t2 EOTEnterGainY\_Uls\_u1p15[2][3] 573 t2\_EOTEnterGainY\_Uls\_u1p15[3][0] 763 t2\_EOTEnterGainY\_Uls\_u1p15[3][1] 78 t2\_EOTEnterGainY\_Uls\_u1p15[3][2] t2\_EOTEnterGainY\_Uls\_u1p15[3][3] 7  $t2\_EOTExPosDepDmpTblY\_MtrNmpRadps\_u0p16[0][0]$ 410 t2\_EOTExPosDepDmpTblY\_MtrNmpRadps\_u0p16[0][1] 581 t2 EOTExPosDepDmpTblY MtrNmpRadps u0p16[1][0] 69 t2\_EOTExPosDepDmpTblY\_MtrNmpRadps\_u0p16[1][1] 486 t2\_EOTExPosDepDmpTblY\_MtrNmpRadps\_u0p16[2][0] 365 t2\_EOTExPosDepDmpTblY\_MtrNmpRadps\_u0p16[2][1] 517 t2\_EOTExPosDepDmpTblY\_MtrNmpRadps\_u0p16[3][0] 440 t2\_EOTExPosDepDmpTblY\_MtrNmpRadps\_u0p16[3][1] 624 t2\_EOTPosDepDmpTblX\_HwDeg\_u12p4[0][0] 896 t2\_EOTPosDepDmpTblX\_HwDeg\_u12p4[0][1] 4304 t2\_EOTPosDepDmpTblX\_HwDeg\_u12p4[1][0] 1120 t2\_EOTPosDepDmpTblX\_HwDeg\_u12p4[1][1] 1504 t2\_EOTPosDepDmpTblX\_HwDeg\_u12p4[2][0] 288 t2\_EOTPosDepDmpTblX\_HwDeg\_u12p4[2][1] 3440 t2\_EOTPosDepDmpTblX\_HwDeg\_u12p4[3][0] 592 t2\_EOTPosDepDmpTblX\_HwDeg\_u12p4[3][1] 976 t2\_EOTPosDepDmpTblY\_MtrNmpRadpS\_u0p16[0][0] 452 t2\_EOTPosDepDmpTblY\_MtrNmpRadpS\_u0p16[0][1] 934  $t2\_EOTPosDepDmpTbIY\_MtrNmpRadpS\_u0p16[1][0]$ 62 87 t2\_EOTPosDepDmpTblY\_MtrNmpRadpS\_u0p16[1][1] t2\_EOTPosDepDmpTblY\_MtrNmpRadpS\_u0p16[2][0] 10 t2\_EOTPosDepDmpTblY\_MtrNmpRadpS\_u0p16[2][1] 452 t2\_EOTPosDepDmpTblY\_MtrNmpRadpS\_u0p16[3][0] 62 t2\_EOTPosDepDmpTblY\_MtrNmpRadpS\_u0p16[3][1] 87 t\_EOTDmpVspd\_Kph\_u9p7[0] 7296 t\_EOTDmpVspd\_Kph\_u9p7[1] 21760 t\_EOTDmpVspd\_Kph\_u9p7[2] 21888 t\_EOTDmpVspd\_Kph\_u9p7[3] 22016 t\_EOTEnterGainVspd\_Kph\_u9p7[0] 7296

2015-06-29, 18:31:27+0530



| Name  | Input Value                             |                 |        |
|---|---|-----------------|--------|
| t_EOTEnterGainVspd_Kph_u9p7[1]  | 21760                                   |                 |        |
| t_EOTEnterGainVspd_Kph_u9p7[2]  | 21888                                   |                 |        |
| t_EOTEnterGainVspd_Kph_u9p7[3]  | 22016                                   |                 |        |
| t_SpdlptTblXTbl_HwDeg_u12p4[0]  | 512                                     |                 |        |
| t_SpdlptTblXTbl_HwDeg_u12p4[1]  | 656                                     |                 |        |
| t_SpdIptTblYTbl_MtrRadpS_u12p4[0]   | 592                                     |                 |        |
| t_SpdlptTblYTbl_MtrRadpS_u12p4[1]   | 976                                     |                 |        |
| t_TrqTableX_HwNm_u8p8[0]  | 512                                     |                 |        |
| t_TrqTableX_HwNm_u8p8[1]  | 768                                     |                 |        |
| t_TrqTblY_Uls_u2p14[0]  | 377                                     |                 |        |
| t_TrqTblY_Uls_u2p14[1]  | 459                                     |                 |        |
| target_EOTActuatorMng_Per1_CcwEOT_HwDeg_f32.value   | -444.041992                             |                 |        |
| target_EOTActuatorMng_Per1_CcwFound_Cnt_lgc.value   | 1                                       |                 |        |
| target_EOTActuatorMng_Per1_CwEOT_HwDeg_f32.value  | 1211.33997                              |                 |        |
| target_EOTActuatorMng_Per1_CwFound_Cnt_lgc.value  | 0                                       |                 |        |
| target_EOTActuatorMng_Per1_EOTDisable_Cnt_lgc.value   | 1                                       |                 |        |
| target_EOTActuatorMng_Per1_HandWheelAuth_Uls_f32.value  | 0.897000015                             |                 |        |
| target_EOTActuatorMng_Per1_HandWheelPos_HwDeg_f32.value   | 111.893997                              |                 |        |
| target_EOTActuatorMng_Per1_HwTorque_HwNm_f32.value  | 6.5                                     |                 |        |
| target_EOTActuatorMng_Per1_MotorVel_MtrRadpS_f32.value  | 900.200012                              |                 |        |
| target_EOTActuatorMng_Per1_OutputRampMultLtd_Uls_f32.value  | 0.0309999995                            |                 |        |
| target_EOTActuatorMng_Per1_VehicleSpeed_Kph_f32.value   | 30.0559998                              |                 |        |
| $target\_Rte\_Inst\_Ap\_EOTActuatorMng.EOTActuatorMng\_Per1\_AssistEOTDamping\_Per1\_AssisTEOTDamping\_Per1\_AssisTEOTDamping\_Per1\_AssisTEOTDamping\_Per1\_AssisTEOTD$  | target_EOTActuatorMng_Per1_AssistEOTDa  | mping_MtrNm_f32 |        |
| $target\_Rte\_Inst\_Ap\_EOTActuatorMng.EOTActuatorMng\_Per1\_AssistEOTGain\_Uls\_Inst_Ap\_EOTActuatorMng\_Per1\_AssistEOTGain\_Uls\_Inst_Ap\_EOTActuatorMng\_Per1\_AssistEOTGain\_Uls\_Inst_Ap\_EOTActuatorMng\_Per1\_AssistEOTGain\_Uls\_Inst_Ap\_EOTActuatorMng\_Per1\_AssistEOTGain\_Uls\_Inst_Ap\_EOTActuatorMng\_Per1\_AssistEOTGain\_Uls\_Inst_Ap\_EOTActuatorMng\_Per1\_AssistEOTGain\_Uls\_Inst_Ap\_EOTActuatorMng\_Per1\_AssistEOTGain\_Uls\_Inst_Ap\_EOTActuatorMng\_Per1\_AssistEOTGain\_Uls\_Inst_Ap\_EOTActuatorMng\_Per1\_AssistEOTGain\_Uls\_Inst_Ap\_EOTActuatorMng\_Per1\_AssistEOTGain\_Uls\_Inst_Ap\_EOTActuatorMng\_Per1\_AssistEOTGain\_Uls\_Inst_Ap\_EOTActuatorMng\_Per1\_AssistEOTGain\_Uls\_Inst_Ap\_EOTActuatorMng\_Per1\_AssistEOTGain\_Uls\_Inst_Ap\_EOTActuatorMng\_A$             | target_EOTActuatorMng_Per1_AssistEOTGa  | nin_Uls_f32     |        |
| target Rte Inst Ap EOTActuatorMng.EOTActuatorMng Per1 AssistEOTLimit Mtr1   | target_EOTActuatorMng_Per1_AssistEOTLin | nit_MtrNm_f32   |        |
| $target\_Rte\_Inst\_Ap\_EOTActuatorMng.EOTActuatorMng\_Per1\_CcwEOT\_HwDeg\_f3000000000000000000000000000000000000$   | target_EOTActuatorMng_Per1_CcwEOT_Hw    | Deg_f32         |        |
| $target\_Rte\_Inst\_Ap\_EOTActuatorMng.EOTActuatorMng\_Per1\_CcwFound\_Cnt\_lgc$  | target_EOTActuatorMng_Per1_CcwFound_C   | cnt_lgc         |        |
| $target\_Rte\_Inst\_Ap\_EOTActuatorMng.EOTActuatorMng\_Per1\_CwEOT\_HwDeg\_f3222222222222222222222222222222222222$  | target_EOTActuatorMng_Per1_CwEOT_HwD    | Deg_f32         |        |
| $target\_Rte\_Inst\_Ap\_EOTActuatorMng.EOTActuatorMng\_Per1\_CwFound\_Cnt\_lgc$   | target_EOTActuatorMng_Per1_CwFound_Cr   | nt_lgc          |        |
| $target\_Rte\_Inst\_Ap\_EOTActuatorMng.EOTActuatorMng\_Per1\_EOTDisable\_Cnt\_lgasters and the property of the proper$  | target_EOTActuatorMng_Per1_EOTDisable_  | Cnt_lgc         |        |
| $target\_Rte\_Inst\_Ap\_EOTActuatorMng.EOTActuatorMng\_Per1\_HandWheelAuth\_Ulstarget\_Rte\_Inst\_Ap\_EOTActuatorMng.EOTActuatorMng\_Per1\_HandWheelAuth\_Ulstarget\_Rte\_Inst\_Ap\_EOTActuatorMng.EOTActuatorMng\_Per1\_HandWheelAuth\_Ulstarget\_Rte\_Inst\_Ap\_EOTActuatorMng.EOTActuatorMng\_Per1\_HandWheelAuth\_Ulstarget\_Rte\_Inst\_Ap\_EOTActuatorMng.EOTActuatorMng\_Per1\_HandWheelAuth\_Ulstarget\_Rte\_Inst\_Ap\_EOTActuatorMng.EOTAc$   | target_EOTActuatorMng_Per1_HandWheelA   | uth_Uls_f32     |        |
| target_Rte_Inst_Ap_EOTActuatorMng.EOTActuatorMng_Per1_HandWheelPos_Hw   | l target_EOTActuatorMng_Per1_HandWheelP | os_HwDeg_f32    |        |
| $target\_Rte\_Inst\_Ap\_EOTActuatorMng.EOTActuatorMng\_Per1\_HwTorque\_HwNm\_f$   | target_EOTActuatorMng_Per1_HwTorque_H   | wNm_f32         |        |
| target Rte Inst Ap EOTActuatorMng.EOTActuatorMng Per1 MotorVel MtrRadpS   | target_EOTActuatorMng_Per1_MotorVel_Mtr | RadpS_f32       |        |
| $target\_Rte\_Inst\_Ap\_EOTActuatorMng.EOTActuatorMng\_Per1\_OutputRampMultLtd\_Inst\_Ap\_EOTActuatorMng\_Per1\_OutputRampMultLtd\_Inst\_Ap\_EOTActuatorMng\_Per1\_OutputRampMultLtd\_Inst\_Ap\_EOTActuatorMng\_Per1\_OutputRampMultLtd\_Inst\_Ap\_EOTActuatorMng\_Per1\_OutputRampMultLtd\_Inst\_Ap\_EOTActuatorMng\_Per1\_OutputRampMultLtd\_Inst\_Ap\_EOTActuatorMng\_Per1\_OutputRampMultLtd\_Inst\_Ap\_EOTActuatorMng\_Per1\_OutputRampMultLtd\_Inst\_Ap\_EOTActuatorMng\_Per1\_OutputRampMultLtd\_Inst\_Ap\_EOTActuatorMng\_Per1\_OutputRampMultLtd\_Inst\_Ap\_EOTActuatorMng\_Per1\_OutputRampMultLtd\_Inst\_Ap\_EOTActuatorMng\_Per1\_OutputRampMultLtd\_Inst\_Ap\_EOTActuatorMng\_Per1\_OutputRampMultLtd\_Inst\_Ap\_EOTActuatorMng\_Per1\_OutputRampMultLtd\_InstAp\_EOTActuatorMng\_Pe$  | target_EOTActuatorMng_Per1_OutputRampl  | MultLtd_Uls_f32 |        |
| $target\_Rte\_Inst\_Ap\_EOTActuatorMng.EOTActuatorMng\_Per1\_VehicleSpeed\_Kph\_Inst\_Ap\_EOTActuatorMng\_Per1\_VehicleSpeed\_Kph\_Inst\_Ap\_EOTActuatorMng\_Per1\_VehicleSpeed\_Kph\_Inst\_Ap\_EOTActuatorMng\_Per1\_VehicleSpeed\_Kph\_Inst\_Ap\_EOTActuatorMng\_Per1\_VehicleSpeed\_Kph\_Inst\_Ap\_EOTActuatorMng\_Per1\_VehicleSpeed\_Kph\_Inst\_Ap\_EOTActuatorMng\_Per1\_VehicleSpeed\_Kph\_Inst\_Ap\_EOTActuatorMng\_Per1\_VehicleSpeed\_Kph\_Inst\_Ap\_EOTActuatorMng\_Per1\_VehicleSpeed\_Kph\_Inst\_Ap\_EOTActuatorMng\_Per1\_VehicleSpeed\_Kph\_Inst\_Ap\_EOTActuatorMng\_Per1\_VehicleSpeed\_Kph\_Inst\_Ap\_EOTActuatorMng\_Per1\_VehicleSpeed\_Kph\_Inst_Ap\_EOTActuatorMng\_Per1\_VehicleSpe$ | target_EOTActuatorMng_Per1_VehicleSpeed | d_Kph_f32       |        |
| Name  | Actual Value                            | Expected Value  | Result |
|   |   |                 |        |

| tanget, not in the property of |              |                            |          |  |  |
|--|--------------|----------------------------|----------|--|--|
| Name   | Actual Value | Expected Value             | Result   |  |  |
| EOTActuatorMng_Damping_MtrNm_M_f32   | 4.63508034   | 4.63507986 ± 0.0000390625  | ~        |  |  |
| EOTActuatorMng_EOTImpactPos_HwDeg_M_f32  | 890.041016   | 890.041016 ± 0.0000390625  | •        |  |  |
| EOTActuatorMng_FiltEOTGainSV_HwNm_M_u1p31  | 1344819420   | 1344819420 ± 1             | ~        |  |  |
| EOTActuatorMng_FiltHWTrqSV_HwNm_M_s7p24  | -87843328    | -87843328 ± 1              | <b>✓</b> |  |  |
| EOTActuatorMng_OutputRampMultLtd_M_f32   | 0.0309999995 | 0.0309999995 ± 0.00390625  | ~        |  |  |
| EOTActuatorMng_PrevEOTGain_Uls_M_f32   | 0.626220703  | 0.626220703 ± 0.0625       | <b>✓</b> |  |  |
| EOTActuatorMng_SESState_Uls_M_enum   | SES_DISABLED | SES_DISABLED               | ~        |  |  |
| target_EOTActuatorMng_Per1_AssistEOTDamping_MtrNm_f32.value  | 4.63508034   | 4.63507986 ± 0.00048828125 | <b>✓</b> |  |  |
| target_EOTActuatorMng_Per1_AssistEOTGain_Uls_f32.value   | 0.626220703  | 0.626220703 ± 0.0000390625 | ~        |  |  |
| target_EOTActuatorMng_Per1_AssistEOTLimit_MtrNm_f32.value  | 8.80000019   | 8.80000019 ± 0.00048828125 | <b>✓</b> |  |  |

| T ✓  |       |  |       |          |
|--|-------|--|-------|----------|
| Actual Function                                    | Count | Expected Function                                  | Count | Result   |
| Rte_Call_EOTActuatorMng_Per1_CP0_CheckpointReached | 1     | Rte_Call_EOTActuatorMng_Per1_CP0_CheckpointReached | 1     | ~        |
| EOTDetermination                                   | 1     | EOTDetermination                                   | 1     | <b>✓</b> |
| SES_DetLmtPos                                      | 1     | SES_DetLmtPos                                      | 1     | ~        |
| SES_CalcExitGain                                   | 1     | SES_CalcExitGain                                   | 1     | ~        |
| IntplVarXY_u16_u16Xu16Y_Cnt                        | 1     | IntplVarXY_u16_u16Xu16Y_Cnt                        | 1     | ~        |
| SES_CalcEnterGain                                  | 1     | SES_CalcEnterGain                                  | 1     | ~        |
| BilinearXMYM_u16_u16XMu16YM_Cnt                    | 1     | BilinearXMYM_u16_u16XMu16YM_Cnt                    | 1     | ~        |
| SES_CalcEOTGain                                    | 1     | SES_CalcEOTGain                                    | 1     | ~        |
| SES_FiltEOTGain                                    | 1     | SES_FiltEOTGain                                    | 1     | ~        |
| SES_CalcEOTDamp                                    | 1     | SES_CalcEOTDamp                                    | 1     | •        |
| BilinearXMYM_u16_u16XMu16YM_Cnt                    | 1     | BilinearXMYM_u16_u16XMu16YM_Cnt                    | 1     | ~        |
| SES_StateCtrl                                      | 1     | SES_StateCtrl                                      | 1     | ~        |
| Rte_Call_EOTActuatorMng_Per1_CP1_CheckpointReached | 1     | Rte_Call_EOTActuatorMng_Per1_CP1_CheckpointReached | 1     | ~        |

| Test Step 2.29 (Repeat Count = 1)         |             | ✓ |
|---|-------------|---|
| Name                                      | Input Value |   |
| EOTActuatorMng_Damping_MtrNm_M_f32        | 4.5999999   |   |
| EOTActuatorMng_EOTImpactPos_HwDeg_M_f32   | 355.032013  |   |
| EOTActuatorMng_FiltEOTGainSV_HwNm_M_u1p31 | 1181116006  |   |
| EOTActuatorMng_FiltHWTrqSV_HwNm_M_s7p24   | 117440512   |   |

EOTActuatorMng Per1

2015-06-29, 18:31:27+0530



Input Value EOTActuatorMng\_PrevEOTGain\_Uls\_M\_f32 0.670000017 SES\_NORMAL EOTActuatorMng\_SESState\_Uls\_M\_enum Rte Inst Ap EOTActuatorMng  $target\_Rte\_Inst\_Ap\_EOTActuatorMng$ k\_EOTActiveRegionBypassMaxThresh\_Uls\_f32 0.91900003 k EOTDefltPosition\_HwDeg\_u12p4 4080 k\_EOTDeltaTrqThrsh\_HwNm\_u9p7 1024 k\_EOTDynConf\_Uls\_u8p8 12800 k\_EOTEnterLPFKn\_Cnt\_u16 8456 k\_EOTExitLPFKn\_Cnt\_u16 7777  $k\_EOTImpSpdEn\_Kph\_u9p7$ 8960  $k\_EOTO riginal Impact and Soft End\_Cnt\_lgc$ 121.589996 k EOTPosDepDempFinalSlew MtrNmpS T f32 k\_EOTStateHwTrqLPFKn\_Cnt\_u16 3756 2320 k\_MaxRackTrvl\_HwDeg\_u12p4 k\_MinRackTrvl\_HwDeg\_u12p4 12448 11008 k\_PosRampStep\_HwDeg\_u12p4 k\_SoftStopEOTEnable\_Cnt\_lgc 91 k SpdlptScale MtrNmpRadpS u4p12 t2\_EOTEnterGainX\_HwDeg\_u12p4[0][0] 1568 t2\_EOTEnterGainX\_HwDeg\_u12p4[0][1] 4688 t2\_EOTEnterGainX\_HwDeg\_u12p4[0][2] 4704 t2\_EOTEnterGainX\_HwDeg\_u12p4[0][3] 4720 t2\_EOTEnterGainX\_HwDeg\_u12p4[1][0] 928 t2\_EOTEnterGainX\_HwDeg\_u12p4[1][1] 2768 t2 EOTEnterGainX\_HwDeg\_u12p4[1][2] 2784 t2\_EOTEnterGainX\_HwDeg\_u12p4[1][3] 2800 t2\_EOTEnterGainX\_HwDeg\_u12p4[2][0] 1568 t2\_EOTEnterGainX\_HwDeg\_u12p4[2][1] 4688 t2 EOTEnterGainX HwDeg u12p4[2][2] 4704 t2\_EOTEnterGainX\_HwDeg\_u12p4[2][3] 4720 t2 EOTEnterGainX HwDeg u12p4[3][0] 2208 t2\_EOTEnterGainX\_HwDeg\_u12p4[3][1] 6608 t2 EOTEnterGainX HwDeg u12p4[3][2] 6624 t2\_EOTEnterGainX\_HwDeg\_u12p4[3][3] 6640 t2\_EOTEnterGainY\_Uls\_u1p15[0][0] t2\_EOTEnterGainY\_Uls\_u1p15[0][1] 8 t2\_EOTEnterGainY\_Uls\_u1p15[0][2] 88 859 t2\_EOTEnterGainY\_Uls\_u1p15[0][3] t2\_EOTEnterGainY\_Uls\_u1p15[1][0] t2 EOTEnterGainY\_Uls\_u1p15[1][1] 10 t2\_EOTEnterGainY\_Uls\_u1p15[1][2] 147 t2\_EOTEnterGainY\_Uls\_u1p15[1][3] 1429 t2\_EOTEnterGainY\_Uls\_u1p15[2][0] 5 t2\_EOTEnterGainY\_Uls\_u1p15[2][1] 6 t2\_EOTEnterGainY\_Uls\_u1p15[2][2] 29 t2\_EOTEnterGainY\_Uls\_u1p15[2][3] 288 t2\_EOTEnterGainY\_Uls\_u1p15[3][0] 859 t2\_EOTEnterGainY\_Uls\_u1p15[3][1] 88 t2\_EOTEnterGainY\_Uls\_u1p15[3][2] 7 t2\_EOTEnterGainY\_Uls\_u1p15[3][3] 8 t2 EOTExPosDepDmpTblY MtrNmpRadps u0p16[0][0] 425 t2\_EOTExPosDepDmpTblY\_MtrNmpRadps\_u0p16[0][1] 603 t2\_EOTExPosDepDmpTblY\_MtrNmpRadps\_u0p16[1][0] 13 t2\_EOTExPosDepDmpTbIY\_MtrNmpRadps\_u0p16[1][1] 501 t2\_EOTExPosDepDmpTblY\_MtrNmpRadps\_u0p16[2][0] 304 t2\_EOTExPosDepDmpTblY\_MtrNmpRadps\_u0p16[2][1] 431 t2\_EOTExPosDepDmpTblY\_MtrNmpRadps\_u0p16[3][0] 455 t2\_EOTExPosDepDmpTblY\_MtrNmpRadps\_u0p16[3][1] 646 t2\_EOTPosDepDmpTblX\_HwDeg\_u12p4[0][0] 928 t2\_EOTPosDepDmpTblX\_HwDeg\_u12p4[0][1] 4320 t2\_EOTPosDepDmpTblX\_HwDeg\_u12p4[1][0] 1280 t2\_EOTPosDepDmpTblX\_HwDeg\_u12p4[1][1] 736  $t2\_EOTPosDepDmpTblX\_HwDeg\_u12p4[2][0]$ 640 t2\_EOTPosDepDmpTblX\_HwDeg\_u12p4[2][1] 3456 t2\_EOTPosDepDmpTblX\_HwDeg\_u12p4[3][0] 608 t2\_EOTPosDepDmpTblX\_HwDeg\_u12p4[3][1] 992 t2\_EOTPosDepDmpTblY\_MtrNmpRadpS\_u0p16[0][0] 52 t2 EOTPosDepDmpTblY MtrNmpRadpS u0p16[0][1] 68 t2\_EOTPosDepDmpTblY\_MtrNmpRadpS\_u0p16[1][0] 77 t2\_EOTPosDepDmpTblY\_MtrNmpRadpS\_u0p16[1][1] 108 t2\_EOTPosDepDmpTbIY\_MtrNmpRadpS\_u0p16[2][0] 68 t2\_EOTPosDepDmpTblY\_MtrNmpRadpS\_u0p16[2][1] 515 t2\_EOTPosDepDmpTblY\_MtrNmpRadpS\_u0p16[3][0] 77

2015-06-29, 18:31:27+0530



EOTActuatorMng\_Per1

| EOTACIDATORINING_FEIT  |   |                            |       |
|--|---|----------------------------|-------|
| Name   | Input Value                             |                            |       |
| t2_EOTPosDepDmpTblY_MtrNmpRadpS_u0p16[3][1]  | 108                                     |                            |       |
| t_EOTDmpVspd_Kph_u9p7[0]   | 7424                                    |                            |       |
| t_EOTDmpVspd_Kph_u9p7[1]   | 22144                                   |                            |       |
| t_EOTDmpVspd_Kph_u9p7[2]   | 22272                                   |                            |       |
| t_EOTDmpVspd_Kph_u9p7[3]   | 22400                                   |                            |       |
| t_EOTEnterGainVspd_Kph_u9p7[0]   | 7424                                    |                            |       |
| t EOTEnterGainVspd Kph u9p7[1]   | 22144                                   |                            |       |
| t_EOTEnterGainVspd_Kph_u9p7[2]   | 22272                                   |                            |       |
| t EOTEnterGainVspd Kph u9p7[3]   | 22400                                   |                            |       |
| t SpdlptTblXTbl HwDeg u12p4[0]   | 528                                     |                            |       |
| t_SpdlptTblXTbl_HwDeg_u12p4[1]   | 672                                     |                            |       |
| t SpdlptTblYTbl MtrRadpS u12p4[0]  | 608                                     |                            |       |
| t SpdlptTblYTbl MtrRadpS u12p4[1]  | 992                                     |                            |       |
| t TrgTableX HwNm u8p8[0]   | 512                                     |                            |       |
| t_TrqTableX_HwNm_u8p8[1]   | 1024                                    |                            |       |
| t_TrqTblY_Uls_u2p14[0]   | 393                                     |                            |       |
| t_TrqTblY_Uls_u2p14[1]   | 475                                     |                            |       |
| target EOTActuatorMng Per1 CcwEOT HwDeg f32.value  | -440.040985                             |                            |       |
| target EOTActuatorMng Per1 CcwFound Cnt Igc.value  | 1                                       |                            |       |
| target_EOTActuatorMng_Per1_CwEOT_HwDeg_f32.value   | 1300.46997                              |                            |       |
| target_COTActuatorMing_Fer1_CwE01_TiwDeg_13z.value   | 0                                       |                            |       |
| target_EOTActuatorMng_Fet1_CwPound_Cnt_gc.value  | 0                                       |                            |       |
|  | 0.569999993                             |                            |       |
| target_EOTActuatorMng_Per1_HandWheelAuth_Uls_f32.value   |   |                            |       |
| target_EOTActuatorMng_Per1_HandWheelPos_HwDeg_f32.value  | -111.456001                             |                            |       |
| target_EOTActuatorMng_Per1_HwTorque_HwNm_f32.value   | -6.5                                    |                            |       |
| target_EOTActuatorMng_Per1_MotorVel_MtrRadpS_f32.value   | -0.00499999989                          |                            |       |
| target_EOTActuatorMng_Per1_OutputRampMultLtd_Uls_f32.value   | 0.0219999999                            |                            |       |
| target_EOTActuatorMng_Per1_VehicleSpeed_Kph_f32.value  | 0                                       | TD : 1411 600              |       |
| target_Rte_Inst_Ap_EOTActuatorMng.EOTActuatorMng_Per1_AssistEOTDampin  |   |                            |       |
| target_Rte_Inst_Ap_EOTActuatorMng.EOTActuatorMng_Per1_AssistEOTGain_U  | - 0                                     |                            |       |
| target_Rte_Inst_Ap_EOTActuatorMng.EOTActuatorMng_Per1_AssistEOTLimit_M   |   |                            |       |
| target_Rte_Inst_Ap_EOTActuatorMng.EOTActuatorMng_Per1_CcwEOT_HwDeg_  |   |                            |       |
| target_Rte_Inst_Ap_EOTActuatorMng.EOTActuatorMng_Per1_CcwFound_Cnt_lg  |   |                            |       |
| target Rte Inst Ap EOTActuatorMng.EOTActuatorMng Per1 CwEOT HwDeg f  |   |                            |       |
| target_Rte_Inst_Ap_EOTActuatorMng.EOTActuatorMng_Per1_CwFound_Cnt_Igc  |   |                            |       |
| target_Rte_Inst_Ap_EOTActuatorMng.EOTActuatorMng_Per1_EOTDisable_Cnt_l   |   |                            |       |
| target_Rte_Inst_Ap_EOTActuatorMng.EOTActuatorMng_Per1_HandWheelAuth_L  |   |                            |       |
| target_Rte_Inst_Ap_EOTActuatorMng.EOTActuatorMng_Per1_HandWheelPos_H   |   |                            |       |
| target_Rte_Inst_Ap_EOTActuatorMng.EOTActuatorMng_Per1_HwTorque_HwNm  | _f: target_EOTActuatorMng_Per1_HwTorqu  | ıe_HwNm_f32                |       |
| target_Rte_Inst_Ap_EOTActuatorMng.EOTActuatorMng_Per1_MotorVel_MtrRadp   | S target_EOTActuatorMng_Per1_MotorVel   | I_MtrRadpS_f32             |       |
| $target\_Rte\_Inst\_Ap\_EOTActuatorMng.EOTActuatorMng\_Per1\_OutputRampMultLine (State of the Control of the Control$ | td_ target_EOTActuatorMng_Per1_OutputRa | ampMultLtd_Uls_f32         |       |
| target Rte Inst Ap EOTActuatorMng.EOTActuatorMng Per1 VehicleSpeed Kpl   | target_EOTActuatorMng_Per1_VehicleS     | peed_Kph_f32               |       |
| Name   | Actual Value                            | Expected Value             | Resul |
| EOTActuatorMng_Damping_MtrNm_M_f32   | 4.35682011                              | 4.35682011 ± 0.0000390625  | •     |
| EOTActuatorMng_EOTImpactPos_HwDeg_M_f32  | 255                                     | 255 ± 0.0000390625         | •     |
| EOTActuatorMng_FiltEOTGainSV_HwNm_M_u1p31  | 1035985678                              | 1035985678 ± 1             | •     |
| EOTActuatorMng_FiltHWTrqSV_HwNm_M_s7p24  | 116959744                               | 116959744 ± 1              |       |
| EOTActuatorMng_OutputRampMultLtd_M_f32   | 0.0219999999                            | 0.0219999999 ± 0.00390625  |       |
| EOTActuatorMng_PrevEOTGain_Uls_M_f32   | 0.482391357                             | 0.482391357 ± 0.0625       |       |
| EOTActuatorMng_SESState_Uls_M_enum   | SES_DISABLED                            | SES_DISABLED               |       |
| target_EOTActuatorMng_Per1_AssistEOTDamping_MtrNm_f32.value  | 4.35682011                              | 4.35682011 ± 0.00048828125 |       |
| torrest FOTA structure Many Port AssistFOTCoin IIIs 622 value  | 0.400004057                             | 0.492204257 + 0.0000200625 |       |

| Т  |       |  |       | V      |
|--|-------|--|-------|--------|
| Actual Function                                    | Count | Expected Function                                  | Count | Result |
| Rte_Call_EOTActuatorMng_Per1_CP0_CheckpointReached | 1     | Rte_Call_EOTActuatorMng_Per1_CP0_CheckpointReached | 1     | ~      |
| EOTDetermination                                   | 1     | EOTDetermination                                   | 1     | •      |
| EOTOrigImpact                                      | 1     | EOTOrigImpact                                      | 1     | •      |
| IntplVarXY_u16_u16Xu16Y_Cnt                        | 1     | IntplVarXY_u16_u16Xu16Y_Cnt                        | 1     | ~      |
| SES_DetLmtPos                                      | 1     | SES_DetLmtPos                                      | 1     | ~      |
| SES_CalcExitGain                                   | 1     | SES_CalcExitGain                                   | 1     | ~      |
| IntplVarXY_u16_u16Xu16Y_Cnt                        | 1     | IntplVarXY_u16_u16Xu16Y_Cnt                        | 1     | ~      |
| SES_CalcEnterGain                                  | 1     | SES_CalcEnterGain                                  | 1     | ~      |
| BilinearXMYM_u16_u16XMu16YM_Cnt                    | 1     | BilinearXMYM_u16_u16XMu16YM_Cnt                    | 1     | •      |
| SES_CalcEOTGain                                    | 1     | SES_CalcEOTGain                                    | 1     | •      |
| SES_FiltEOTGain                                    | 1     | SES_FiltEOTGain                                    | 1     | •      |
| SES_CalcEOTDamp                                    | 1     | SES_CalcEOTDamp                                    | 1     | ~      |
| BilinearXMYM_u16_u16XMu16YM_Cnt                    | 1     | BilinearXMYM_u16_u16XMu16YM_Cnt                    | 1     | ~      |
| SES_StateCtrl                                      | 1     | SES_StateCtrl                                      | 1     | •      |
| Rte_Call_EOTActuatorMng_Per1_CP1_CheckpointReached | 1     | Rte_Call_EOTActuatorMng_Per1_CP1_CheckpointReached | 1     | ~      |

0.482391357

0.844127178

target\_EOTActuatorMng\_Per1\_AssistEOTGain\_Uls\_f32.value

target\_EOTActuatorMng\_Per1\_AssistEOTLimit\_MtrNm\_f32.value

0.482391357 ± 0.0000390625

0.844127178 ± 0.00048828125



| Test Step 2.30 (Repeat Count = 1)             |                                   |
|---|-----------------------------------|
| Name  | Input Value                       |
| EOTActuatorMng_Damping_MtrNm_M_f32            | 4.80000019                        |
| EOTActuatorMng_EOTImpactPos_HwDeg_M_f32       | 454.779999                        |
| EOTActuatorMng_FiltEOTGainSV_HwNm_M_u1p31     | 944892805                         |
| EOTActuatorMng_FiltHWTrqSV_HwNm_M_s7p24       | -100663296                        |
| EOTActuatorMng_PrevEOTGain_Uls_M_f32          | 0.560000002                       |
| EOTActuatorMng_SESState_Uls_M_enum            | SES_ENTERING                      |
| Rte_Inst_Ap_EOTActuatorMng                    | target_Rte_Inst_Ap_EOTActuatorMng |
| k_EOTActiveRegionBypassMaxThresh_Uls_f32      | 0.273000002                       |
| k_EOTDefltPosition_HwDeg_u12p4                | 5680                              |
| k_EOTDeltaTrqThrsh_HwNm_u9p7                  | 896                               |
| k_EOTDynConf_Uls_u8p8                         | 15360                             |
| k_EOTEnterLPFKn_Cnt_u16                       | 464                               |
| k_EOTExitLPFKn_Cnt_u16                        | 8888                              |
| k_EOTImpSpdEn_Kph_u9p7                        | 9088                              |
| k_EOTOriginalImpactandSoftEnd_Cnt_lgc         | 1                                 |
| k_EOTPosDepDempFinalSlew_MtrNmpS_T_f32        | 125.639999                        |
| k_EOTStateHwTrqLPFKn_Cnt_u16                  | 8456                              |
| k_MaxRackTrvl_HwDeg_u12p4                     | 2336                              |
| k_MinRackTrvI_HwDeg_u12p4                     | 10656                             |
| k_PosRampStep_HwDeg_u12p4                     | 12432                             |
| k_SoftStopEOTEnable_Cnt_lgc                   | 1                                 |
| k_SpdlptScale_MtrNmpRadpS_u4p12               | 92                                |
| t2_EOTEnterGainX_HwDeg_u12p4[0][0]            | 1584                              |
| t2_EOTEnterGainX_HwDeg_u12p4[0][1]            | 4736                              |
| t2_EOTEnterGainX_HwDeg_u12p4[0][2]            | 4752                              |
| t2_EOTEnterGainX_HwDeg_u12p4[0][3]            | 4768                              |
| t2_EOTEnterGainX_HwDeg_u12p4[1][0]            | 944                               |
| t2_EOTEnterGainX_HwDeg_u12p4[1][1]            | 2816                              |
| t2_EOTEnterGainX_HwDeg_u12p4[1][2]            | 2832                              |
| t2_EOTEnterGainX_HwDeg_u12p4[1][3]            | 2848                              |
| t2_EOTEnterGainX_HwDeg_u12p4[2][0]            | 1584                              |
| t2_EOTEnterGainX_HwDeg_u12p4[2][1]            | 4736                              |
| t2_EOTEnterGainX_HwDeg_u12p4[2][2]            | 4752                              |
| t2_EOTEnterGainX_HwDeg_u12p4[2][3]            | 4768                              |
| t2_EOTEnterGainX_HwDeg_u12p4[3][0]            | 2224                              |
| t2_EOTEnterGainX_HwDeg_u12p4[3][1]            | 6656                              |
| t2_EOTEnterGainX_HwDeg_u12p4[3][2]            | 6672                              |
| t2_EOTEnterGainX_HwDeg_u12p4[3][3]            | 6688                              |
| t2_EOTEnterGainY_Uls_u1p15[0][0]              | 7                                 |
| t2_EOTEnterGainY_Uls_u1p15[0][1]              | 8                                 |
| t2_EOTEnterGainY_Uls_u1p15[0][2]              | 98                                |
| t2_EOTEnterGainY_Uls_u1p15[0][3]              | 954                               |
| t2_EOTEnterGainY_Uls_u1p15[1][0]              | 9                                 |
| t2_EOTEnterGainY_Uls_u1p15[1][1]              | 10                                |
| t2_EOTEnterGainY_Uls_u1p15[1][2]              | 157                               |
| t2_EOTEnterGainY_Uls_u1p15[1][3]              | 1524                              |
| t2_EOTEnterGainY_Uls_u1p15[2][0]              | 5                                 |
| t2_EOTEnterGainY_Uls_u1p15[2][1]              | 6                                 |
| t2_EOTEnterGainY_Uls_u1p15[2][2]              | 39                                |
| t2_EOTEnterGainY_Uls_u1p15[2][3]              | 383                               |
| t2_EOTEnterGainY_Uls_u1p15[3][0]              | 954                               |
| t2_EOTEnterGainY_Uls_u1p15[3][1]              | 98                                |
| t2_EOTEnterGainY_Uls_u1p15[3][2]              | 7                                 |
| t2_EOTEnterGainY_Uls_u1p15[3][3]              | 8                                 |
| t2_EOTExPosDepDmpTblY_MtrNmpRadps_u0p16[0][0] | 440                               |
| t2_EOTExPosDepDmpTblY_MtrNmpRadps_u0p16[0][1] | 624                               |
| t2_EOTExPosDepDmpTblY_MtrNmpRadps_u0p16[1][0] | 73                                |
| t2_EOTExPosDepDmpTblY_MtrNmpRadps_u0p16[1][1] | 516                               |
| t2_EOTExPosDepDmpTblY_MtrNmpRadps_u0p16[2][0] | 319                               |
| t2_EOTExPosDepDmpTblY_MtrNmpRadps_u0p16[2][1] | 452                               |
| t2_EOTExPosDepDmpTblY_MtrNmpRadps_u0p16[3][0] | 66                                |
| t2_EOTExPosDepDmpTblY_MtrNmpRadps_u0p16[3][1] | 471                               |
| t2_EOTPosDepDmpTblX_HwDog_u12p4[0][0]         | 800                               |
| t2_EOTPosDepDmpTblX_HwDog_u12p4[0][1]         | 4336                              |
| t2_EOTPosDepDmpTblX_HwDog_u12p4[1][0]         | 1312                              |
| t2_EOTPosDepDmpTblX_HwDog_u12p4[1][1]         | 752                               |
| t2_EOTPosDepDmpTblX_HwDog_u12p4[2][0]         | 352                               |
| t2_EOTPosDepDmpTblX_HwDeg_u12p4[2][1]         | 3472                              |
| t2_EOTPosDepDmpTblX_HwDeg_u12p4[3][0]         | 640                               |
| t2_EOTPosDepDmpTblX_HwDeg_u12p4[3][1]         | 4016                              |

2015-06-29, 18:31:27+0530



| Name  | Input Value                           |                                |        |
|---|---------------------------------------|--------------------------------|--------|
| t2_EOTPosDepDmpTblY_MtrNmpRadpS_u0p16[0][0]   | 99                                    |                                |        |
| t2_EOTPosDepDmpTblY_MtrNmpRadpS_u0p16[0][1]   | 698                                   |                                |        |
| t2_EOTPosDepDmpTblY_MtrNmpRadpS_u0p16[1][0]   | 92                                    |                                |        |
| t2_EOTPosDepDmpTblY_MtrNmpRadpS_u0p16[1][1]   | 130                                   |                                |        |
| t2_EOTPosDepDmpTblY_MtrNmpRadpS_u0p16[2][0]   | 698                                   |                                |        |
| t2_EOTPosDepDmpTblY_MtrNmpRadpS_u0p16[2][1]   | 983                                   |                                |        |
| t2_EOTPosDepDmpTblY_MtrNmpRadpS_u0p16[3][0]   | 92                                    |                                |        |
| t2_EOTPosDepDmpTblY_MtrNmpRadpS_u0p16[3][1]   | 130                                   |                                |        |
| t_EOTDmpVspd_Kph_u9p7[0]  | 7552                                  |                                |        |
| t_EOTDmpVspd_Kph_u9p7[1]  | 22528                                 |                                |        |
| t_EOTDmpVspd_Kph_u9p7[2]  | 22656                                 |                                |        |
| t_EOTDmpVspd_Kph_u9p7[3]  | 22784                                 |                                |        |
| t_EOTEnterGainVspd_Kph_u9p7[0]  | 7552                                  |                                |        |
| t_EOTEnterGainVspd_Kph_u9p7[1]  | 22528                                 |                                |        |
| t_EOTEnterGainVspd_Kph_u9p7[2]  | 22656                                 |                                |        |
| t_EOTEnterGainVspd_Kph_u9p7[3]  | 22784                                 |                                |        |
| t_SpdlptTblXTbl_HwDeg_u12p4[0]  | 544                                   |                                |        |
| t_SpdlptTblXTbl_HwDeg_u12p4[1]  | 688                                   |                                |        |
| t_SpdlptTblYTbl_MtrRadpS_u12p4[0]   | 624                                   |                                |        |
| t_SpdlptTblYTbl_MtrRadpS_u12p4[1]   | 1008                                  |                                |        |
| t_TrqTableX_HwNm_u8p8[0]  | 256                                   |                                |        |
| t_TrqTableX_HwNm_u8p8[1]  | 410                                   |                                |        |
| t_TrqTblY_Uls_u2p14[0]  |                                       |                                |        |
| t_TrqTblY_Uls_u2p14[1]  | 492                                   |                                |        |
| target_EOTActuatorMng_Per1_CcwEOT_HwDeg_f32.value target_EOTActuatorMng_Per1_CcwFound_Cnt_lgc.value       | -555.570007<br>0                      |                                |        |
| target_EOTActuatorMng_Per1_CwEOT_HwDeg_f32.value  | 1311.89001                            |                                |        |
| target_EOTActuatorMng_Per1_CwEo1_TwDeg_13z.value  | 1                                     |                                |        |
| target_EOTActuatorMng_Per1_EOTDisable_Cnt_lgc.value   | 1                                     |                                |        |
| target_EOTActuatorMng_Per1_EOTDIsable_Cnt_gc.value target_EOTActuatorMng_Per1_HandWheelAuth_Uls_f32.value | 0.680000007                           |                                |        |
| target EOTActuatorMng Per1 HandWheelPos HwDeg f32.value   | 222.449997                            |                                |        |
| target EOTActuatorMng Per1 HwTorque HwNm f32.value  | 7.5                                   |                                |        |
| target_EOTActuatorMng_Per1_MotorVel_MtrRadpS_f32.value  | 0.00600000005                         |                                |        |
| target_EOTActuatorMng_Per1_OutputRampMultLtd_Uls_f32.value  | 0.920000017                           |                                |        |
| target_EOTActuatorMng_Per1_VehicleSpeed_Kph_f32.value   | 511.992188                            |                                |        |
| target_Rte_Inst_Ap_EOTActuatorMng.EOTActuatorMng_Per1_AssistEOTDampin                                     |                                       | Damning MtrNm f32              |        |
| target Rte Inst Ap EOTActuatorMng.EOTActuatorMng Per1 AssistEOTGain U                                     |                                       |                                |        |
| target_Rte_Inst_Ap_EOTActuatorMng.EOTActuatorMng_Per1_AssistEOTLimit_M                                    |                                       |                                |        |
| target Rte Inst Ap EOTActuatorMnq.EOTActuatorMnq Per1 CcwEOT HwDeq  | 1                                     |                                |        |
| target_Rte_Inst_Ap_EOTActuatorMng.EOTActuatorMng_Per1_CcwFound_Cnt_lg                                     | - 0 - 0                               | ·                              |        |
| target Rte Inst Ap EOTActuatorMng.EOTActuatorMng Per1 CwEOT HwDeg f                                       |                                       |                                |        |
| target Rte Inst Ap EOTActuatorMng.EOTActuatorMng Per1 CwFound Cnt Igo                                     | 0 - 0                                 | <u></u>                        |        |
| target Rte Inst Ap EOTActuatorMng.EOTActuatorMng Per1 EOTDisable Cnt I                                    | · · · · · · · · · · · · · · · · · · · |                                |        |
| target Rte Inst Ap EOTActuatorMng.EOTActuatorMng Per1 HandWheelAuth U                                     |                                       |                                |        |
| target_Rte_Inst_Ap_EOTActuatorMng.EOTActuatorMng_Per1_HandWheelPos_H                                      |                                       |                                |        |
| target_Rte_Inst_Ap_EOTActuatorMng.EOTActuatorMng_Per1_HwTorque_HwNm                                       |                                       |                                |        |
| target Rte Inst Ap EOTActuatorMng.EOTActuatorMng Per1 MotorVel MtrRadg                                    |                                       |                                |        |
| target Rte Inst Ap EOTActuatorMng.EOTActuatorMng Per1 OutputRampMultL                                     | · · - · ·                             |                                |        |
| target_Rte_Inst_Ap_EOTActuatorMng.EOTActuatorMng_Per1_VehicleSpeed_Kpl                                    | . 0 - 0 1                             |                                |        |
| Name  | Actual Value                          | Expected Value                 | Resul  |
| EOTActuatorMng_Damping_MtrNm_M_f32  | 4.54872036                            | 4.54871988 ± 0.0000390625      | rtesur |
| EOTActuatorMng EOTImpactPos HwDeg M f32   | 454.779999                            | 454.779999 ± 0.0000390625      |        |
| EOTActuatorMng_FiltEOTGainSV_HwNm_M_u1p31   | 938207029                             | 938207029 ± 1                  |        |
| EOTActuatorMng_FiltHWTrqSV_HwNm_M_s7p24   | -71439360                             | -71439360 ± 1                  |        |
| EOTActuatorMng_OutputRampMultLtd_M_f32  | 0.920000017                           | 0.920000017 ± 0.00390625       |        |
| EOTActuatorMing_Output(variip)Multiclu_Wi_32  | 0.436859131                           | 0.436859131 ± 0.0625           |        |
| EOTActuatorMng_SESState_Uls_M_enum  | SES DISABLED                          | SES DISABLED                   |        |
| target_EOTActuatorMng_Per1_AssistEOTDamping_MtrNm_f32.value   | 4.54872036                            | 4.54871988 ± 0.00048828125     |        |
| target_EOTActuatorMng_Per1_AssistEOTGain_Uls_f32.value  | 0.436859131                           | 0.436859131 ± 0.0000390625     |        |
| angot Londoutoning For Frontie Tolli Old IDE. Value   | 330000101                             | 3. 100000 TO 1 ± 0.00000000020 | 1      |



| T  |       |  |       |        |
|--|-------|--|-------|--------|
| Actual Function                                    | Count | Expected Function                                  | Count | Result |
| Rte_Call_EOTActuatorMng_Per1_CP0_CheckpointReached | 1     | Rte_Call_EOTActuatorMng_Per1_CP0_CheckpointReached | 1     | ~      |
| EOTDetermination                                   | 1     | EOTDetermination                                   | 1     | ~      |
| SES_DetLmtPos                                      | 1     | SES_DetLmtPos                                      | 1     | ~      |
| SES_CalcExitGain                                   | 1     | SES_CalcExitGain                                   | 1     | •      |
| IntplVarXY_u16_u16Xu16Y_Cnt                        | 1     | IntplVarXY_u16_u16Xu16Y_Cnt                        | 1     | ~      |
| SES_CalcEnterGain                                  | 1     | SES_CalcEnterGain                                  | 1     | •      |
| BilinearXMYM_u16_u16XMu16YM_Cnt                    | 1     | BilinearXMYM_u16_u16XMu16YM_Cnt                    | 1     | •      |
| SES_CalcEOTGain                                    | 1     | SES_CalcEOTGain                                    | 1     | •      |
| SES_FiltEOTGain                                    | 1     | SES_FiltEOTGain                                    | 1     | •      |
| SES_CalcEOTDamp                                    | 1     | SES_CalcEOTDamp                                    | 1     | •      |
| BilinearXMYM_u16_u16XMu16YM_Cnt                    | 1     | BilinearXMYM_u16_u16XMu16YM_Cnt                    | 1     | ~      |
| SES_StateCtrl                                      | 1     | SES_StateCtrl                                      | 1     | ~      |
| Rte_Call_EOTActuatorMng_Per1_CP1_CheckpointReached | 1     | Rte_Call_EOTActuatorMng_Per1_CP1_CheckpointReached | 1     | ~      |

| Test Step 2.31 (Repeat Count = 1)                                     | <u>and the property of the second sec</u> |
|---|--|
| Name  | Input Value  |
| EOTActuatorMng_Damping_MtrNm_M_f32                                    | 5  |
| EOTActuatorMng_EOTImpactPos_HwDeg_M_f32                               | 890.650024   |
| EOTActuatorMng_FiltEOTGainSV_HwNm_M_u1p31                             | 708669604  |
| EOTActuatorMng_FiltHWTrqSV_HwNm_M_s7p24                               | 100663296  |
| EOTActuatorMng_PrevEOTGain_Uls_M_f32                                  | 0.560000002  |
| EOTActuatorMng_SESState_Uls_M_enum                                    | SES_NORMAL   |
| Rte_Inst_Ap_EOTActuatorMng  | target_Rte_Inst_Ap_EOTActuatorMng  |
| k_EOTActiveRegionBypassMaxThresh_Uls_f32                              | 0.875999987  |
| k_EOTDefltPosition_HwDeg_u12p4  | 7280   |
| k_EOTDeltaTrqThrsh_HwNm_u9p7  | 768  |
| k EOTDynConf Uls u8p8   | 0  |
| k_EOTEnterLPFKn_Cnt_u16   | 3356   |
| k_EOTExitLPFKn_Cnt_u16  | 9999   |
| k_EOTImpSpdEn_Kph_u9p7  | 9216   |
| k_EOTOriginalImpactandSoftEnd_Cnt_lgc                                 | 0  |
| k_EOTPosDepDempFinalSlew_MtrNmpS_T_f32                                | 129.690002   |
| k_EOTStateHwTrqLPFKn_Cnt_u16  | 4765   |
| k_MaxRackTrvl_HwDeg_u12p4   | 2352   |
| k_MinRackTrvl_HwDeg_u12p4   | 14208  |
| k PosRampStep HwDeg u12p4   | 10656  |
| k_SoftStopEOTEnable_Cnt_lgc   | 1  |
| k_SpdIptScale_MtrNmpRadpS_u4p12                                       | 92   |
| t2_EOTEnterGainX_HwDeg_u12p4[0][0]                                    | 1600   |
| t2_EOTEnterGainX_HwDeg_u12p4[0][1]                                    | 4784   |
| t2_EOTEnterGainX_HwDeg_u12p4[0][2]                                    | 4800   |
| t2 EOTEnterGainX HwDeg u12p4[0][3]                                    | 4816   |
| t2_EOTEnterGainX_HwDeg_u12p4[1][0]                                    | 960  |
| t2_EOTEnterGainX_HwDeg_u12p4[1][1]                                    | 2864   |
| t2_EOTEnterGainX_HwDeg_u12p4[1][2]                                    | 2880   |
| t2_EOTEnterGainX_HwDeg_u12p4[1][3]                                    | 2896   |
| t2_EOTEnterGainX_HwDeg_u12p4[2][0]                                    | 1600   |
| t2_EOTEnterGainX_HwDeg_u12p4[2][0]                                    | 4784   |
| t2_EOTEnterGainX_TWDeg_u12p4[2][1] t2_EOTEnterGainX_HwDeg_u12p4[2][2] | 4800   |
| t2_EOTEnterGainX_TWDeg_u12p4[2][2] t2_EOTEnterGainX_HwDeg_u12p4[2][3] | 4816   |
|   | 2240   |
| t2_EOTEnterGainX_HwDeg_u12p4[3][0]                                    | 6704   |
| t2_EOTEnterGainX_HwDeg_u12p4[3][1]                                    |  |
| t2_EOTEnterGainX_HwDeg_u12p4[3][2]                                    | 6720<br>6736   |
| t2_EOTEnterGainX_HwDeg_u12p4[3][3]                                    |  |
| t2_EOTEnterGainY_Uls_u1p15[0][0]                                      | 8  |
| t2_EOTEnterGainY_Uls_u1p15[0][1]                                      | 8  |
| t2_EOTEnterGainY_Uls_u1p15[0][2]                                      | 108  |
| t2_EOTEnterGainY_Uls_u1p15[0][3]                                      | 1049   |
| t2_EOTEnterGainY_Uls_u1p15[1][0]                                      | 10   |
| t2_EOTEnterGainY_Uls_u1p15[1][1]                                      | 10   |
| t2_EOTEnterGainY_Uls_u1p15[1][2]                                      | 167  |
| t2_EOTEnterGainY_Uls_u1p15[1][3]                                      | 1619   |
| t2_EOTEnterGainY_Uls_u1p15[2][0]                                      | 6  |
| t2_EOTEnterGainY_Uls_u1p15[2][1]                                      | 6  |
| t2_EOTEnterGainY_Uls_u1p15[2][2]                                      | 49   |
| t2_EOTEnterGainY_Uls_u1p15[2][3]                                      | 478  |
| t2_EOTEnterGainY_Uls_u1p15[3][0]                                      | 1049   |
| t2_EOTEnterGainY_Uls_u1p15[3][1]                                      | 108  |

2015-06-29, 18:31:27+0530





| Name                                      |               | Input Value            |                           |          |
|---|---------------|------------------------|---------------------------|----------|
| _a= terGai Y= ls= 1p15[3][2]              |               | 8                      |                           |          |
| _a= terGai Y= ls= 1p15[3][3]              |               | 8                      |                           |          |
| _a= PosDepDmpTblY= _rNmpRadps= 0p16[0][0] |               | 77                     |                           |          |
| _a= PosDepDmpTblY= _rNmpRadps= 0p16[0][1] |               | 108                    |                           |          |
|   |               | 365                    |                           |          |
|   |               |                        |                           |          |
| _a= PosDepDmpTblY= _rNmpRadps= 0p16[1][1] |               | 517                    |                           |          |
| _a= PosDepDmpTblY= _rNmpRadps= 0p16[2][0] |               | 32                     |                           |          |
| _a= PosDepDmpTblY= _rNmpRadps= 0p16[2][1] |               | 44                     |                           |          |
| _a= PosDepDmpTblY= _rNmpRadps= 0p16[3][0] |               | 365                    |                           |          |
| _a= PosDepDmpTblY= _rNmpRadps= 0p16[3][1] |               | 517                    |                           |          |
| _a=                                       |               | 320                    |                           |          |
|   |               |                        |                           |          |
| _a=                                       |               | 800                    |                           |          |
| _a=                                       |               | 320                    |                           |          |
| _a=                                       |               | 0                      |                           |          |
| _a=                                       |               | 4480                   |                           |          |
| _a=                                       |               | 5760                   |                           |          |
| a=  |               | 672                    |                           |          |
|   |               | 4032                   |                           |          |
| _a=                                       |               |                        |                           |          |
| _a=                                       |               | 4                      |                           |          |
| _a=                                       |               | 713                    |                           |          |
| _a=                                       |               | 102                    |                           |          |
| _a=                                       |               | 452                    |                           |          |
| _a=                                       |               | 713                    |                           |          |
| <br>_a=                                   |               | 935                    |                           |          |
| _   |               |                        |                           |          |
| _a=                                       |               | 102                    |                           |          |
| _a=                                       |               | 452                    |                           |          |
| t=  |               | 7680                   |                           |          |
| t=  |               | 22912                  |                           |          |
| t=  |               | 23040                  |                           |          |
| _=  |               | 23168                  |                           |          |
| _   |               | 7680                   |                           |          |
| _= terGai Vspd_Kph= 9p7[0]                |               |                        |                           |          |
| _= terGai Vspd_Kph= 9p7[1]                |               | 22912                  |                           |          |
| _= terGai Vspd_Kph= 9p7[2]                |               | 23040                  |                           |          |
| _= terGai Vspd_Kph= 9p7[3]                |               | 23168                  |                           |          |
| _= pdlptTblXTbl= wDeg= 12p4[0]            |               | 320                    |                           |          |
| _= pdlptTblXTbl= wDeg= 12p4[1]            |               | 704                    |                           |          |
| = pdlptTblYTbl= _rRadpS= 12p4[0]          |               | 640                    |                           |          |
|   |               |                        |                           |          |
| _= pdlptTblYTbl= _rRadpS= 12p4[1]         |               | 1024                   |                           |          |
| _= rq ableX= wNm= 8p8[0]                  |               | 0                      |                           |          |
| _= rq ableX= wNm= 8p8[1]                  |               | 1536                   |                           |          |
| _= rq blY= ls= 2p14[0]                    |               | 426                    |                           |          |
| _= rq blY= ls= 2p14[1]                    |               | 508                    |                           |          |
| targe_=                                   | wDeg= 32      | .4 <b>5a90</b> e164001 |                           |          |
| 3- <u>-</u>                               |               | 1                      |                           |          |
| torno -                                   |               |                        |                           |          |
| targe_=                                   | wDeg= 32.v    |                        |                           |          |
|   |               | 1                      |                           |          |
| targe_= isable                            | e_Cn_= gc.va  | ©e                     |                           |          |
| targe_=                                   |               | 0.790000021            |                           |          |
| targe_=                                   |               | -222.414001            |                           |          |
| _arge_=                                   |               | -7.5                   |                           |          |
| _arge_=                                   |               | -0.00700000022         |                           |          |
|   |               | 0.493999988            |                           |          |
| _arge_=                                   |               |                        |                           |          |
| _arge_=                                   |               | 70.0999985             |                           |          |
| _arge_= te_Ins_= p=                       | ctuatorMng_Pe | _arge_=                | amping_M_rN               | lm= 32   |
| _arge_= te_Ins_= p=                       | ctuatorMng_Pe | _arge_=                | ai = ls= 3                | 32       |
| _arge_= te_Ins_= p=                       | ctuatorMng_Pe | _arge_=                | imit_M_rNm=               | 32       |
|   | ctuatorMng_Pe |                        | wDeg= 32                  |          |
|   |               |                        |                           |          |
| argo = to log = n=                        | otuoto-Mar-   | orgo =                 |                           |          |
| _arge_= te_Ins_= p=                       | ctuatorMng_Pe | _arge_=                | wDeg= 32                  |          |
|   |               |                        |                           |          |
| targe_= te_lns_= p=                       | tuatorMng_Pe  | targe_=                | isable_Cn_= gc            |          |
| targe_= te_lns_= p=                       | tuatorMng_Pe  | targe_=                |                           |          |
|   | tuatorMng_Pe  |                        |                           |          |
|   | ctuatorMng_Pe |                        |                           |          |
|   |               |                        |                           |          |
|   | ctuatorMng_Pe |                        |                           |          |
|   | ctuatorMng_Pe |                        |                           |          |
| _arge_= te_Ins_= p=                       | ctuatorMng_Pe | _arge_=                |                           |          |
| Name                                      |               | Actual Value           |                           | Result   |
| =   |               | 4.74062014             | 4.74062014 ± 0.0000390625 | ~        |
|   |               | 890.650024             |                           | ~        |
| = mpactPos= wDeg= =                       |               |                        | 890.650024 ± 0.0000390625 |          |
|   |               | 676062708              | 676062708 ± 1             | <b>~</b> |
|   |               | 102493056              | 102493056 ± 1             | ✓        |
| =   |               | 0.493999988            | 0.493999988 ± 0.00390625  | ~        |
|   |               |                        |                           |          |

2015-06-29, 18:31:27+0530



| Name  | Actual Value | Expected Value             | Result   |
|---|--------------|----------------------------|----------|
| EOTActuatorMng_PrevEOTGain_Uls_M_f32                        | 0.314788818  | 0.314788818 ± 0.0625       | <b>✓</b> |
| EOTActuatorMng_SESState_Uls_M_enum                          | SES_NORMAL   | SES_NORMAL                 | •        |
| target_EOTActuatorMng_Per1_AssistEOTDamping_MtrNm_f32.value | 4.74062014   | 4.74062014 ± 0.00048828125 | •        |
| target_EOTActuatorMng_Per1_AssistEOTGain_Uls_f32.value      | 0.314788818  | 0.314788818 ± 0.0000390625 | •        |
| target_EOTActuatorMng_Per1_AssistEOTLimit_MtrNm_f32.value   | 8.80000019   | 8.80000019 ± 0.00048828125 | <b>✓</b> |

| τ  |       |  |       |          |
|--|-------|--|-------|----------|
| Actual Function                                    | Count | Expected Function                                  | Count | Result   |
| Rte_Call_EOTActuatorMng_Per1_CP0_CheckpointReached | 1     | Rte_Call_EOTActuatorMng_Per1_CP0_CheckpointReached | 1     | ~        |
| EOTDetermination                                   | 1     | EOTDetermination                                   | 1     | •        |
| SES_DetLmtPos                                      | 1     | SES_DetLmtPos                                      | 1     | -        |
| SES_CalcExitGain                                   | 1     | SES_CalcExitGain                                   | 1     | •        |
| IntplVarXY_u16_u16Xu16Y_Cnt                        | 1     | IntplVarXY_u16_u16Xu16Y_Cnt                        | 1     | ~        |
| SES_CalcEnterGain                                  | 1     | SES_CalcEnterGain                                  | 1     | •        |
| BilinearXMYM_u16_u16XMu16YM_Cnt                    | 1     | BilinearXMYM_u16_u16XMu16YM_Cnt                    | 1     | ~        |
| SES_CalcEOTGain                                    | 1     | SES_CalcEOTGain                                    | 1     | •        |
| SES_FiltEOTGain                                    | 1     | SES_FiltEOTGain                                    | 1     | •        |
| SES_CalcEOTDamp                                    | 1     | SES_CalcEOTDamp                                    | 1     | •        |
| BilinearXMYM_u16_u16XMu16YM_Cnt                    | 1     | BilinearXMYM_u16_u16XMu16YM_Cnt                    | 1     | ~        |
| SES_StateCtrl                                      | 1     | SES_StateCtrl                                      | 1     | •        |
| IntplVarXY_u16_u16Xu16Y_Cnt                        | 2     | IntplVarXY_u16_u16Xu16Y_Cnt                        | 2     | ~        |
| Rte_Call_EOTActuatorMng_Per1_CP1_CheckpointReached | 1     | Rte_Call_EOTActuatorMng_Per1_CP1_CheckpointReached | 1     | <b>✓</b> |

| Name  | Input Value                       |
|---|-----------------------------------|
| EOTActuatorMng Damping MtrNm M f32                | 5.19999981                        |
| EOTActuatorMng_EOTImpactPos_HwDeg_M_f32           | 0                                 |
| EOTActuatorMng FiltEOTGainSV HwNm M u1p31         | 472446403                         |
| EOTActuatorMng FiltHWTrqSV HwNm M s7p24           | -83886080                         |
| EOTActuatorMng PrevEOTGain Uls M f32              | 0.44999988                        |
| EOTActuatorMng SESState Uls M enum                | SES ENTERING                      |
| Rte_Inst_Ap_EOTActuatorMng                        | target_Rte_Inst_Ap_EOTActuatorMng |
| EOTActiveRegionBypassMaxThresh Uls f32            | 0.349000007                       |
| C_EOTDefltPosition_HwDeg_u12p4                    | 8880                              |
| EOTDeltaTrqThrsh HwNm u9p7                        | 640                               |
| C_EOTDynConf_Uls_u8p8                             | 20480                             |
| C EOTEnterLPFKn Cnt u16                           | 7544                              |
| C_EOTExitLPFKn_Cnt_u16                            | 543                               |
| C_EOTImpSpdEn_Kph_u9p7                            | 3968                              |
| c_EOTOriginalImpactandSoftEnd_Cnt_lgc             | 1                                 |
| <pre>C_EOTPosDepDempFinalSlew_MtrNmpS_T_f32</pre> | 133.740005                        |
| C EOTStateHwTrgLPFKn Cnt u16                      | 7464                              |
| <pre>c_MaxRackTrvl_HwDeg_u12p4</pre>              | 2368                              |
| <pre>c_MinRackTrvl_HwDeg_u12p4</pre>              | 15984                             |
| c_PosRampStep_HwDeg_u12p4                         | 8880                              |
| <pre>&lt;_SoftStopEOTEnable_Cnt_lgc</pre>         | 1                                 |
| C_SpdIptScale_MtrNmpRadpS_u4p12                   | 93                                |
| 2_EOTEnterGainX_HwDeg_u12p4[0][0]                 | 1616                              |
| 2_EOTEnterGainX_HwDeg_u12p4[0][1]                 | 4832                              |
| 2_EOTEnterGainX_HwDeg_u12p4[0][2]                 | 4848                              |
| 2_EOTEnterGainX_HwDeg_u12p4[0][3]                 | 4864                              |
| 2_EOTEnterGainX_HwDeg_u12p4[1][0]                 | 976                               |
| 2_EOTEnterGainX_HwDeg_u12p4[1][1]                 | 2912                              |
| 2_EOTEnterGainX_HwDeg_u12p4[1][2]                 | 2928                              |
| 2_EOTEnterGainX_HwDeg_u12p4[1][3]                 | 2944                              |
| 2_EOTEnterGainX_HwDeg_u12p4[2][0]                 | 1616                              |
| 2_EOTEnterGainX_HwDeg_u12p4[2][1]                 | 4832                              |
| 2_EOTEnterGainX_HwDeg_u12p4[2][2]                 | 4848                              |
| 2_EOTEnterGainX_HwDeg_u12p4[2][3]                 | 4864                              |
| 2_EOTEnterGainX_HwDeg_u12p4[3][0]                 | 2256                              |
| 2_EOTEnterGainX_HwDeg_u12p4[3][1]                 | 6752                              |
| 2_EOTEnterGainX_HwDeg_u12p4[3][2]                 | 6768                              |
| 2_EOTEnterGainX_HwDeg_u12p4[3][3]                 | 6784                              |
| 2_EOTEnterGainY_Uls_u1p15[0][0]                   | 8                                 |
| 2_EOTEnterGainY_Uls_u1p15[0][1]                   | 9                                 |
| 2_EOTEnterGainY_Uls_u1p15[0][2]                   | 118                               |
| 2_EOTEnterGainY_Uls_u1p15[0][3]                   | 1144                              |
| 2_EOTEnterGainY_Uls_u1p15[1][0]                   | 10                                |
| 2_EOTEnterGainY_Uls_u1p15[1][1]                   | 10                                |
| 2_EOTEnterGainY_Uls_u1p15[1][2]                   | 176                               |

2015-06-29, 18:31:27+0530



| Name  | Input Value  |
|---|--|
| t2_EOTEnterGainY_Uls_u1p15[1][3]  | 1714   |
| t2_EOTEnterGainY_Uls_u1p15[2][0]  | 6 7  |
| t2_EOTEnterGainY_Uls_u1p15[2][1] t2_EOTEnterGainY_Uls_u1p15[2][2]   | 59   |
| t2 EOTEnterGainY Uls u1p15[2][3]  | 573  |
| t2_EOTEnterGainY_Uls_u1p15[3][0]  | 1144   |
| t2_EOTEnterGainY_Uls_u1p15[3][1]  | 118  |
| t2_EOTEnterGainY_Uls_u1p15[3][2]  | 8  |
| t2_EOTEnterGainY_Uls_u1p15[3][3]  | 9  |
| t2_EOTExPosDepDmpTblY_MtrNmpRadps_u0p16[0][0]   | 92   |
| t2_EOTExPosDepDmpTblY_MtrNmpRadps_u0p16[0][1]   | 130  |
| t2_EOTExPosDepDmpTblY_MtrNmpRadps_u0p16[1][0]   | 380  |
| t2_EOTExPosDepDmpTblY_MtrNmpRadps_u0p16[1][1]   | 538  |
| t2_EOTExPosDepDmpTblY_MtrNmpRadps_u0p16[2][0]   | 16   |
| t2_EOTExPosDepDmpTbIY_MtrNmpRadps_u0p16[2][1] t2_EOTExPosDepDmpTbIY_MtrNmpRadps_u0p16[3][0]   | 22<br>77   |
| t2_EOTEXPOSDepDmpTblY_MtrNmpRadps_u0p16[3][0]   | 108  |
| t2_EOTPosDepDmpTbIX_HwDeg_u12p4[0][0]   | 336  |
| t2_EOTPosDepDmpTblX_HwDeg_u12p4[0][1]   | 960  |
| t2_EOTPosDepDmpTblX_HwDeg_u12p4[1][0]   | 3200   |
| t2_EOTPosDepDmpTblX_HwDeg_u12p4[1][1]   | 4800   |
| t2_EOTPosDepDmpTblX_HwDeg_u12p4[2][0]   | 3520   |
| t2_EOTPosDepDmpTblX_HwDeg_u12p4[2][1]   | 5760   |
| t2_EOTPosDepDmpTblX_HwDeg_u12p4[3][0]   | 704  |
| t2_EOTPosDepDmpTblX_HwDeg_u12p4[3][1]   | 4048   |
| t2_EOTPosDepDmpTblY_MtrNmpRadpS_u0p16[0][0]   | 103  |
| t2_EOTPosDepDmpTblY_MtrNmpRadpS_u0p16[0][1]   | 728  |
| t2_EOTPosDepDmpTblY_MtrNmpRadpS_u0p16[1][0]   | 122  |
| t2_EOTPosDepDmpTblY_MtrNmpRadpS_u0p16[1][1]   | 173<br>728   |
| t2_EOTPosDepDmpTblY_MtrNmpRadpS_u0p16[2][0] t2_EOTPosDepDmpTblY_MtrNmpRadpS_u0p16[2][1]   | 964  |
| t2_EOTPosDepDmpTblY_MtrNmpRadpS_u0p16[3][0]   | 122  |
| t2_EOTPosDepDmpTblY_MtrNmpRadpS_u0p16[3][1]   | 173  |
| t_EOTDmpVspd_Kph_u9p7[0]  | 7808   |
| t_EOTDmpVspd_Kph_u9p7[1]  | 23296  |
| t_EOTDmpVspd_Kph_u9p7[2]  | 23424  |
| t_EOTDmpVspd_Kph_u9p7[3]  | 23552  |
| t_EOTEnterGainVspd_Kph_u9p7[0]  | 7808   |
| t_EOTEnterGainVspd_Kph_u9p7[1]  | 23296  |
| t_EOTEnterGainVspd_Kph_u9p7[2]  | 23424  |
| t_EOTEnterGainVspd_Kph_u9p7[3]  | 23552  |
| t_SpdlptTblXTbl_HwDeg_u12p4[0]<br>t SpdlptTblXTbl HwDeg_u12p4[1]  | 336<br>720   |
| t_SpdlptTbl/Tbl_MtrRadpS_u12p4[0]   | 656  |
| t_SpdlptTblYTbl_MtrRadpS_u12p4[1]   | 1040   |
| t TrqTableX HwNm u8p8[0]  | 1024   |
| t_TrqTableX_HwNm_u8p8[1]  | 1280   |
| t_TrqTblY_Uls_u2p14[0]  | 442  |
| t_TrqTblY_Uls_u2p14[1]  | 524  |
| target_EOTActuatorMng_Per1_CcwEOT_HwDeg_f32.value   | -666.47998   |
| target_EOTActuatorMng_Per1_CcwFound_Cnt_lgc.value   | 0  |
| target_EOTActuatorMng_Per1_CwEOT_HwDeg_f32.value  | 1405.15002   |
| target_EOTActuatorMng_Per1_CwFound_Cnt_lgc.value  |  |
| target_EOTActuatorMng_Per1_EOTDisable_Cnt_lgc.value   |  |
| target_EOTActuatorMng_Per1_HandWheelAuth_Uls_f32.value  | 1  |
| target_EOTActuatorMng_Per1_HandWheelPos_HwDeg_f32.value<br>target_EOTActuatorMng_Per1_HwTorque_HwNm_f32.value   | 333.256989<br>8.5                                      |
| target_EOTActuatorMng_Per1_HwTorque_HwNIII_i32.value  target_EOTActuatorMng_Per1_MotorVel_MtrRadpS_f32.value  | -150   |
| target_EOTActuatorMng_Per1_MotorVer_MtrRadpS_152.value  | 0.291999996  |
| target EOTActuatorMng Per1 VehicleSpeed Kph f32.value   | 11.052   |
| target_Rte_Inst_Ap_EOTActuatorMng.EOTActuatorMng_Per1_AssistEOTDamping_   |  |
| target_Rte_Inst_Ap_EOTActuatorMng.EOTActuatorMng_Per1_AssistEOTGain_Uls   | ,                |
| $target\_Rte\_Inst\_Ap\_EOTActuatorMng.EOTActuatorMng\_Per1\_AssistEOTLimit\_Mtrice and the property of the property$ | target_EOTActuatorMng_Per1_AssistEOTLimit_MtrNm_f32    |
| target_Rte_Inst_Ap_EOTActuatorMng.EOTActuatorMng_Per1_CcwEOT_HwDeg_f3   | target_EOTActuatorMng_Per1_CcwEOT_HwDeg_f32            |
| $target\_Rte\_Inst\_Ap\_EOTActuatorMng.EOTActuatorMng\_Per1\_CcwFound\_Cnt\_lgc$  | , ·  |
| target_Rte_Inst_Ap_EOTActuatorMng.EOTActuatorMng_Per1_CwEOT_HwDeg_f32   |  |
| target_Rte_Inst_Ap_EOTActuatorMng.EOTActuatorMng_Per1_CwFound_Cnt_Igc   | target_EOTActuatorMng_Per1_CwFound_Cnt_lgc             |
| target_Rte_Inst_Ap_EOTActuatorMng.EOTActuatorMng_Per1_EOTDisable_Cnt_Ig   |  |
| target Rte Inst Ap EOTActuatorMng.EOTActuatorMng Per1 HandWheelAuth Ulstaget Rte Inst Ap EOTActuatorMng FOTActuatorMng Per1 HandWheelBas Hungard Rte Inst Ap EOTActuatorMng Per1 HandWheelBas Hungard R        |  |
| target_Rte_Inst_Ap_EOTActuatorMng.EOTActuatorMng_Per1_HandWheelPos_Hw   |  |
| target_Rte_Inst_Ap_EOTActuatorMng.EOTActuatorMng_Per1_HwTorque_HwNm_ftarget_Rte_Inst_Ap_EOTActuatorMng.EOTActuatorMng_Per1_MotorVel_MtrRadpS  |  |
| goo_mor_rp_con totactoning.con Actuatoning_ren i_wotor ver_with Raupa   |  |
| target Rte Inst Ap EOTActuatorMng.EOTActuatorMng Per1 OutputRampMultLtd   | target EOTActuatorMng Per1 OutputRampMultI td Llls f32 |

EOTActuatorMng\_Per1

2015-06-29, 18:31:27+0530



| Name   | Input Value                           |                            |        |
|--|---------------------------------------|----------------------------|--------|
| target_Rte_Inst_Ap_EOTActuatorMng.EOTActuatorMng_Per1_VehicleSpeed_Kpl | target_EOTActuatorMng_Per1_VehicleSpe | ed_Kph_f32                 |        |
| Name   | Actual Value                          | Expected Value             | Result |
| EOTActuatorMng_Damping_MtrNm_M_f32                                     | 4.93251991                            | 4.93251991 ± 0.0000390625  | ~      |
| EOTActuatorMng_EOTImpactPos_HwDeg_M_f32                                | 0                                     | 0 ± 0.0000390625           | •      |
| EOTActuatorMng_FiltEOTGainSV_HwNm_M_u1p31                              | 426699587                             | 426699587 ± 1              | •      |
| EOTActuatorMng_FiltHWTrqSV_HwNm_M_s7p24                                | -58090496                             | -58090496 ± 1              | •      |
| EOTActuatorMng_OutputRampMultLtd_M_f32                                 | 0.291999996                           | 0.291999996 ± 0.00390625   | ~      |
| EOTActuatorMng_PrevEOTGain_Uls_M_f32                                   | 0.198669434                           | 0.198669434 ± 0.0625       | •      |
| EOTActuatorMng_SESState_Uls_M_enum                                     | SES_DISABLED                          | SES_DISABLED               | ~      |
| target_EOTActuatorMng_Per1_AssistEOTDamping_MtrNm_f32.value            | 4.93251991                            | 4.93251991 ± 0.00048828125 | ~      |
| target_EOTActuatorMng_Per1_AssistEOTGain_Uls_f32.value                 | 0.198669434                           | 0.198669434 ± 0.0000390625 | ~      |
| target_EOTActuatorMng_Per1_AssistEOTLimit_MtrNm_f32.value              | 8.80000019                            | 8.80000019 ± 0.00048828125 | ~      |

| T ✓  |       |  |       |          |
|--|-------|--|-------|----------|
| Actual Function                                    | Count | Expected Function                                  | Count | Result   |
| Rte_Call_EOTActuatorMng_Per1_CP0_CheckpointReached | 1     | Rte_Call_EOTActuatorMng_Per1_CP0_CheckpointReached | 1     | ~        |
| EOTDetermination                                   | 1     | EOTDetermination                                   | 1     | ~        |
| SES_DetLmtPos                                      | 1     | SES_DetLmtPos                                      | 1     | ~        |
| SES_CalcExitGain                                   | 1     | SES_CalcExitGain                                   | 1     | ~        |
| IntplVarXY_u16_u16Xu16Y_Cnt                        | 1     | IntplVarXY_u16_u16Xu16Y_Cnt                        | 1     | ~        |
| SES_CalcEnterGain                                  | 1     | SES_CalcEnterGain                                  | 1     | <b>~</b> |
| BilinearXMYM_u16_u16XMu16YM_Cnt                    | 1     | BilinearXMYM_u16_u16XMu16YM_Cnt                    | 1     | -        |
| SES_CalcEOTGain                                    | 1     | SES_CalcEOTGain                                    | 1     | <b>~</b> |
| SES_FiltEOTGain                                    | 1     | SES_FiltEOTGain                                    | 1     | -        |
| SES_CalcEOTDamp                                    | 1     | SES_CalcEOTDamp                                    | 1     | ~        |
| BilinearXMYM_u16_u16XMu16YM_Cnt                    | 1     | BilinearXMYM_u16_u16XMu16YM_Cnt                    | 1     | ~        |
| SES_StateCtrl                                      | 1     | SES_StateCtrl                                      | 1     | ~        |
| Rte_Call_EOTActuatorMng_Per1_CP1_CheckpointReached | 1     | Rte_Call_EOTActuatorMng_Per1_CP1_CheckpointReached | 1     | ~        |

| Test Step 2.33 (Repeat Count = 1)         | ✓                                 |
|---|-----------------------------------|
| Name                                      | Input Value                       |
| EOTActuatorMng Damping MtrNm M f32        | 5.400001                          |
| EOTActuatorMng EOTImpactPos HwDeg M f32   | 1440.10999                        |
| EOTActuatorMng_FiltEOTGainSV_HwNm_M_u1p31 | 236223201                         |
| EOTActuatorMng_FiltHWTrqSV_HwNm_M_s7p24   | 83886080                          |
| EOTActuatorMng_PrevEOTGain_Uls_M_f32      | 0.340000004                       |
| EOTActuatorMng_SESState_Uls_M_enum        | SES_NORMAL                        |
| Rte_Inst_Ap_EOTActuatorMng                | target_Rte_Inst_Ap_EOTActuatorMng |
| k_EOTActiveRegionBypassMaxThresh_Uls_f32  | 0.388000011                       |
| k_EOTDefltPosition_HwDeg_u12p4            | 10480                             |
| k_EOTDeltaTrqThrsh_HwNm_u9p7              | 1152                              |
| k_EOTDynConf_Uls_u8p8                     | 23040                             |
| k_EOTEnterLPFKn_Cnt_u16                   | 3564                              |
| k_EOTExitLPFKn_Cnt_u16                    | 3355                              |
| k_EOTImpSpdEn_Kph_u9p7                    | 4096                              |
| k_EOTOriginalImpactandSoftEnd_Cnt_lgc     | 0                                 |
| k_EOTPosDepDempFinalSlew_MtrNmpS_T_f32    | 137.789993                        |
| k_EOTStateHwTrqLPFKn_Cnt_u16              | 1111                              |
| k_MaxRackTrvl_HwDeg_u12p4                 | 2384                              |
| k_MinRackTrvl_HwDeg_u12p4                 | 7312                              |
| k_PosRampStep_HwDeg_u12p4                 | 7104                              |
| k_SoftStopEOTEnable_Cnt_lgc               | 0                                 |
| k_SpdlptScale_MtrNmpRadpS_u4p12           | 93                                |
| t2_EOTEnterGainX_HwDeg_u12p4[0][0]        | 1632                              |
| t2_EOTEnterGainX_HwDeg_u12p4[0][1]        | 4880                              |
| t2_EOTEnterGainX_HwDeg_u12p4[0][2]        | 4896                              |
| t2_EOTEnterGainX_HwDeg_u12p4[0][3]        | 4912                              |
| t2_EOTEnterGainX_HwDeg_u12p4[1][0]        | 992                               |
| t2_EOTEnterGainX_HwDeg_u12p4[1][1]        | 2960                              |
| t2_EOTEnterGainX_HwDeg_u12p4[1][2]        | 2976                              |
| t2_EOTEnterGainX_HwDeg_u12p4[1][3]        | 2992                              |
| t2_EOTEnterGainX_HwDeg_u12p4[2][0]        | 1632                              |
| t2_EOTEnterGainX_HwDeg_u12p4[2][1]        | 4880                              |
| t2_EOTEnterGainX_HwDeg_u12p4[2][2]        | 4896                              |
| t2_EOTEnterGainX_HwDeg_u12p4[2][3]        | 4912                              |
| t2_EOTEnterGainX_HwDeg_u12p4[3][0]        | 2272                              |
| t2_EOTEnterGainX_HwDeg_u12p4[3][1]        | 6800                              |
| t2_EOTEnterGainX_HwDeg_u12p4[3][2]        | 6816                              |
| t2_EOTEnterGainX_HwDeg_u12p4[3][3]        | 6832                              |
| t2_EOTEnterGainY_Uls_u1p15[0][0]          | 8                                 |

2015-06-29, 18:31:27+0530



|  | Input Value  |
|--|--|
|  | 9  |
|  | 127  |
| t2_EOTEnterGainY_Uls_u1p15[0][3]   | 1239   |
| t2_EOTEnterGainY_Uls_u1p15[1][0]   | 10   |
| t2_EOTEnterGainY_Uls_u1p15[1][1] t2_EOTEnterGainY_Uls_u1p15[1][2]  | 186  |
| t2_EOTEInterGain1_ots_u1p15[1][2] t2_EOTEInterGain1_ots_u1p15[1][3]  | 1809   |
|  | 6  |
|  | 7  |
|  | 69   |
|  | 668  |
| t2_EOTEnterGainY_Uls_u1p15[3][0]   | 1239   |
| t2_EOTEnterGainY_Uls_u1p15[3][1]   | 127  |
| t2_EOTEnterGainY_Uls_u1p15[3][2]   | 8  |
| t2_EOTEnterGainY_Uls_u1p15[3][3]   | 9  |
| _ , , _ , , _ , , , , , , , , ,  | 4  |
|  | 26   |
| _ , , _ , , _ , , , , , , , , , , , , ,  | 395  |
| _ , , _ , , _ , , , , , , , , , , , , ,  | 560  |
|  | 62   |
|  | 87   |
|  | 92   |
|  | 130<br>352   |
| t2_EOTPosDepDmpTblX_HwDeg_u12p4[0][0]<br>t2_EOTPosDepDmpTblX_HwDeg_u12p4[0][1]                                   | 352<br>1440  |
|  | 3360   |
|  | 4960   |
| t2_EOTPosDepDmpTblX_HwDeg_u12p4[2][0]  | 4640   |
|  | 5760   |
| _ , ,  | 784  |
|  | 4064   |
| t2_EOTPosDepDmpTblY_MtrNmpRadpS_u0p16[0][0]  | 105  |
| t2_EOTPosDepDmpTblY_MtrNmpRadpS_u0p16[0][1]  | 740  |
| t2_EOTPosDepDmpTblY_MtrNmpRadpS_u0p16[1][0]  | 137  |
| t2_EOTPosDepDmpTblY_MtrNmpRadpS_u0p16[1][1]  | 194  |
| t2_EOTPosDepDmpTblY_MtrNmpRadpS_u0p16[2][0]  | 74   |
| t2_EOTPosDepDmpTblY_MtrNmpRadpS_u0p16[2][1]  | 105  |
| t2_EOTPosDepDmpTblY_MtrNmpRadpS_u0p16[3][0]  | 137  |
|  | 194  |
| _  | 7936   |
|  | 23680  |
| _ , , _ , _ , ,  | 23808<br>23936   |
| _ , , _ , _ , ,  | 7936   |
| t_EOTEnterGainVspd_Kph_u9p7[1]   | 23680  |
|  | 23808  |
| _  | 23936  |
|  | 352  |
|  | 736  |
| _ , , , , , ,  | 672  |
| t_SpdlptTblYTbl_MtrRadpS_u12p4[1]  | 1056   |
| t_TrqTableX_HwNm_u8p8[0]   | 512  |
| t_TrqTableX_HwNm_u8p8[1]   | 1024   |
| t_TrqTbIY_Uls_u2p14[0]   | 459  |
| t_TrqTbIY_Uls_u2p14[1]   | 541  |
| target_EOTActuatorMng_Per1_CcwEOT_HwDeg_f32.value  | -660.487   |
| 0 = 0 = 1 = 0  | 1  |
|  | 765.340027   |
| ·  | 0  |
| 0 _ 0  | 0  |
| target_EOTActuatorMng_Per1_HandWheelAuth_Uls_f32.value   | 1 -333.140991  |
| target_EOTActuatorMng_Per1_HandWheelPos_HwDeg_f32.value<br>target_EOTActuatorMng_Per1_HwTorque_HwNm_f32.value    | -333.140991<br>-8.5  |
|  | -8.5<br>250  |
|  | 0.55400002   |
| target_EOTActuatorMng_Per1_OutputRampMultLtd_Ois_is2.value target_EOTActuatorMng_Per1_VehicleSpeed_Kph_f32.value | 12.5220003   |
|  | target_EOTActuatorMng_Per1_AssistEOTDamping_MtrNm_f32                                      |
| target Rte Inst Ap EOTActuatorMng.EOTActuatorMng Per1 AssistEOTGain Uls  |  |
|  | target EOTActuatorMng Per1 AssistEOTLimit MtrNm f32  |
| target Rte Inst Ap EOTActuatorMng.EOTActuatorMng Per1 AssistEOTLimit Mtr1  |  |
|  | target_EOTActuatorMng_Per1_CcwEOT_HwDeg_f32  |
| $target\_Rte\_Inst\_Ap\_EOTActuatorMng.EOTActuatorMng\_Per1\_CcwEOT\_HwDeg\_f3$                                  | target_EOTActuatorMng_Per1_CcwEOT_HwDeg_f32<br>target_EOTActuatorMng_Per1_CcwFound_Cnt_lgc |
| $target\_Rte\_Inst\_Ap\_EOTActuatorMng.EOTActuatorMng\_Per1\_CcwEOT\_HwDeg\_f3$                                  | target_EOTActuatorMng_Per1_CcwFound_Cnt_lgc  |

 $EOTActuator Mng\_Output Ramp Mult Ltd\_M\_f32$ 

target\_EOTActuatorMng\_Per1\_AssistEOTDamping\_MtrNm\_f32.value

 $target\_EOTActuatorMng\_Per1\_AssistEOTGain\_Uls\_f32.value \\ target\_EOTActuatorMng\_Per1\_AssistEOTLimit\_MtrNm\_f32.value \\ target\_EOTActuatorMng\_Per1\_AssistEOTCACTUATORMng$ 

Rte\_Call\_EOTActuatorMng\_Per1\_CP1\_CheckpointReached

EOTActuatorMng\_PrevEOTGain\_Uls\_M\_f32

EOTActuatorMng\_SESState\_Uls\_M\_enum

EOTActuatorMng\_Per1



0.55400002 ± 0.00390625

5.12442017 ± 0.00048828125

0.104003906 ± 0.0000390625

0.104003906 ± 0.0625

SES DISABLED

0 ± 0.00048828125

Input Value  $target\_Rte\_inst\_Ap\_EOTActuatorMng\_EOTActuatorMng\_Per1\_EOTDisable\_Cnt\_lgc \\ target\_EOTActuatorMng\_Per1\_EOTDisable\_Cnt\_lgc \\ target\_EOTActuatorMng\_Per1\_EOTActuatorMng\_Per1\_EOTDisable\_Cnt\_lgc \\ target\_EOTActuatorMng\_Per1\_EOTActuato$ target\_Rte\_Inst\_Ap\_EOTActuatorMng\_EOTActuatorMng\_Per1\_HandWheelAuth\_Uls\_target\_EOTActuatorMng\_Per1\_HandWheelAuth\_Uls\_f32 target\_Rte\_Inst\_Ap\_EOTActuatorMng.EOTActuatorMng\_Per1\_HandWheelPos\_Hwl target\_EOTActuatorMng\_Per1\_HandWheelPos\_HwDeg\_f32 target Rte Inst Ap EOTActuatorMng.EOTActuatorMng Per1 MotorVel MtrRadpS f32  $target\_Rte\_Inst\_Ap\_EOTActuatorMng\_Per1\_OutputRampMultLtd\_target\_EOTActuatorMng\_$ target Rte Inst Ap EOTActuatorMng.EOTActuatorMng Per1 VehicleSpeed Kph target\_EOTActuatorMng\_Per1\_VehicleSpeed\_Kph\_f32 Actual Value **Expected Value** 5.12442017 ± 0.0000390625 EOTActuatorMng\_Damping\_MtrNm\_M\_f32 5.12442017 EOTActuatorMng\_EOTImpactPos\_HwDeg\_M\_f32 996.109985 996.109985 ± 0.0000390625 EOTActuatorMng\_FiltEOTGainSV\_HwNm\_M\_u1p31 223407057 223407057 + 1 EOTActuatorMng\_FiltHWTrqSV\_HwNm\_M\_s7p24 84881536 84881536 ± 1

0.55400002

0.104003906

5.12442017

0.104003906

0

SES DISABLED

|  |       |  |       | ✓        |
|--|-------|--|-------|----------|
| Actual Function                                    | Count | Expected Function                                  | Count | Result   |
| Rte_Call_EOTActuatorMng_Per1_CP0_CheckpointReached | 1     | Rte_Call_EOTActuatorMng_Per1_CP0_CheckpointReached | 1     | ~        |
| EOTDetermination                                   | 1     | EOTDetermination                                   | 1     | <b>~</b> |
| EOTOrigImpact                                      | 1     | EOTOrigImpact                                      | 1     | <b>~</b> |
| IntplVarXY_u16_u16Xu16Y_Cnt                        | 1     | IntplVarXY_u16_u16Xu16Y_Cnt                        | 1     | <b>~</b> |
| SES_DetLmtPos                                      | 1     | SES_DetLmtPos                                      | 1     | ~        |
| SES_CalcExitGain                                   | 1     | SES_CalcExitGain                                   | 1     | <b>~</b> |
| IntplVarXY_u16_u16Xu16Y_Cnt                        | 1     | IntplVarXY_u16_u16Xu16Y_Cnt                        | 1     | ~        |
| SES_CalcEnterGain                                  | 1     | SES_CalcEnterGain                                  | 1     | <b>~</b> |
| BilinearXMYM_u16_u16XMu16YM_Cnt                    | 1     | BilinearXMYM_u16_u16XMu16YM_Cnt                    | 1     | ~        |
| SES_CalcEOTGain                                    | 1     | SES_CalcEOTGain                                    | 1     | <b>~</b> |
| SES_FiltEOTGain                                    | 1     | SES_FiltEOTGain                                    | 1     | <b>~</b> |
| SES_CalcEOTDamp                                    | 1     | SES_CalcEOTDamp                                    | 1     | <b>✓</b> |
| BilinearXMYM_u16_u16XMu16YM_Cnt                    | 1     | BilinearXMYM_u16_u16XMu16YM_Cnt                    | 1     | ~        |
| SES StateCtrl                                      | 1     | SES StateCtrl                                      | 1     | <b>✓</b> |

 $Rte\_Call\_EOTActuatorMng\_Per1\_CP1\_CheckpointReached$ 

| Took Ston 2.24 (Depost Count = 4)         | مي ا                              |
|---|-----------------------------------|
| Test Step 2.34 (Repeat Count = 1)         | Input Value                       |
|   | 5.5999999                         |
| EOTActuatorMng_Damping_MtrNm_M_f32        |                                   |
| EOTActuatorMng_EOTImpactPos_HwDeg_M_f32   | 300.200012                        |
| EOTActuatorMng_FiltEOTGainSV_HwNm_M_u1p31 | 1932735283                        |
| EOTActuatorMng_FiltHWTrqSV_HwNm_M_s7p24   | -67108864                         |
| EOTActuatorMng_PrevEOTGain_Uls_M_f32      | 0.230000004                       |
| EOTActuatorMng_SESState_Uls_M_enum        | SES_ENTERING                      |
| Rte_Inst_Ap_EOTActuatorMng                | target_Rte_Inst_Ap_EOTActuatorMng |
| k_EOTActiveRegionBypassMaxThresh_Uls_f32  | 0.217999995                       |
| k_EOTDefltPosition_HwDeg_u12p4            | 12080                             |
| k_EOTDeltaTrqThrsh_HwNm_u9p7              | 1024                              |
| k_EOTDynConf_Uls_u8p8                     | 25600                             |
| k_EOTEnterLPFKn_Cnt_u16                   | 6543                              |
| k_EOTExitLPFKn_Cnt_u16                    | 3535                              |
| k_EOTImpSpdEn_Kph_u9p7                    | 4224                              |
| k_EOTOriginalImpactandSoftEnd_Cnt_lgc     | 1                                 |
| k_EOTPosDepDempFinalSlew_MtrNmpS_T_f32    | 141.839996                        |
| k_EOTStateHwTrqLPFKn_Cnt_u16              | 2537                              |
| k_MaxRackTrvl_HwDeg_u12p4                 | 2400                              |
| k_MinRackTrvl_HwDeg_u12p4                 | 12064                             |
| k_PosRampStep_HwDeg_u12p4                 | 5328                              |
| k_SoftStopEOTEnable_Cnt_lgc               | 1                                 |
| k_SpdlptScale_MtrNmpRadpS_u4p12           | 93                                |
| t2_EOTEnterGainX_HwDeg_u12p4[0][0]        | 544                               |
| t2_EOTEnterGainX_HwDeg_u12p4[0][1]        | 1616                              |
| t2_EOTEnterGainX_HwDeg_u12p4[0][2]        | 1632                              |
| t2_EOTEnterGainX_HwDeg_u12p4[0][3]        | 1648                              |
| t2_EOTEnterGainX_HwDeg_u12p4[1][0]        | 1008                              |
| t2_EOTEnterGainX_HwDeg_u12p4[1][1]        | 3008                              |
| t2 EOTEnterGainX HwDeg u12p4[1][2]        | 3024                              |
| t2_EOTEnterGainX_HwDeg_u12p4[1][3]        | 3040                              |
| t2_EOTEnterGainX_HwDeg_u12p4[2][0]        | 1648                              |

2015-06-29, 18:31:27+0530



| EOTActuatorMng_Per1   | MACICAL     |
|---|-------------|
| Name  | Input Value |
| t2 EOTEnterGainX HwDeg u12p4[2][1]  | 4928        |
| t2_EOTEnterGainX_HwDeg_u12p4[2][2]  | 4944        |
| t2_EOTEnterGainX_HwDeg_u12p4[2][3]  | 4960        |
| t2_EOTEnterGainX_HwDeg_u12p4[3][0]  | 2288        |
| t2_EOTEnterGainX_HwDeg_u12p4[3][1]  | 6848        |
| t2_EOTEnterGainX_HwDeg_u12p4[3][2]  | 6864        |
| t2_EOTEnterGainX_HwDeg_u12p4[3][3]  | 6880        |
| t2_EOTEnterGainY_Uls_u1p15[0][0]  | 9           |
| t2_EOTEnterGainY_Uls_u1p15[0][1]  | 9           |
| t2_EOTEnterGainY_Uls_u1p15[0][2]  | 137         |
| t2_EOTEnterGainY_Uls_u1p15[0][3]  | 1334        |
| t2_EOTEnterGainY_Uls_u1p15[1][0]  | 5           |
| t2_EOTEnterGainY_Uls_u1p15[1][1]  | 5           |
| t2_EOTEnterGainY_Uls_u1p15[1][2]  | 196         |
| t2_EOTEnterGainY_Uls_u1p15[1][3]  | 1930        |
| t2_EOTEnterGainY_Uls_u1p15[2][0]  | 7           |
| t2_EOTEnterGainY_Uls_u1p15[2][1]  | 7           |
| t2_EOTEnterGainY_Uls_u1p15[2][2]  | 78          |
| t2_EOTEnterGainY_Uls_u1p15[2][3]  | 763         |
| t2_EOTEnterGainY_Uls_u1p15[3][0]  | 1334        |
| t2_EOTEnterGainY_Uls_u1p15[3][1]  | 137         |
| t2_EOTEnterGainY_Uls_u1p15[3][2]  | 9           |
| t2_EOTEnterGainY_Uls_u1p15[3][3]  | 9           |
| t2_EOTExPosDepDmpTblY_MtrNmpRadps_u0p16[0][0]   | 122         |
| t2_EOTExPosDepDmpTblY_MtrNmpRadps_u0p16[0][1]   | 173         |
| t2_EOTExPosDepDmpTblY_MtrNmpRadps_u0p16[1][0]   | 380         |
| t2 EOTExPosDepDmpTbIY MtrNmpRadps u0p16[1][1]   | 538         |
| t2_EOTExPosDepDmpTblY_MtrNmpRadps_u0p16[2][0]   | 77          |
| t2_EOTExPosDepDmpTblY_MtrNmpRadps_u0p16[2][1]   | 108         |
| t2_EOTExPosDepDmpTblY_MtrNmpRadps_u0p16[3][0]   | 4           |
| t2_EOTExPosDepDmpTblY_MtrNmpRadps_u0p16[3][1]   | 26          |
| t2_EOTPosDepDmpTblX_HwDeg_u12p4[0][0]   | 160         |
| t2_EOTPosDepDmpTblX_HwDeg_u12p4[0][1]   | 480         |
| t2_EOTPosDepDmpTblX_HwDeg_u12p4[1][0]   | 4800        |
| t2_EOTPosDepDmpTblX_HwDeg_u12p4[1][1]   | 5760        |
| t2_EOTPosDepDmpTblX_HwDeg_u12p4[2][0]   | 1760        |
| t2_EOTPosDepDmpTblX_HwDeg_u12p4[2][1]   | 2672        |
| t2 EOTPosDepDmpTblX HwDeg u12p4[3][0]   | 768         |
| t2 EOTPosDepDmpTblX HwDeg u12p4[3][1]   | 4080        |
| t2 EOTPosDepDmpTblY MtrNmpRadpS u0p16[0][0]   | 11          |
| t2_EOTPosDepDmpTblY_MtrNmpRadpS_u0p16[0][1]   | 76          |
| t2 EOTPosDepDmpTblY MtrNmpRadpS u0p16[1][0]   | 153         |
| t2 EOTPosDepDmpTblY MtrNmpRadpS u0p16[1][1]   | 216         |
| t2_EOTPosDepDmpTblY_MtrNmpRadpS_u0p16[2][0]   | 76          |
| t2_EOTPosDepDmpTblY_MtrNmpRadpS_u0p16[2][1]   | 108         |
| t2 EOTPosDepDmpTblY MtrNmpRadpS u0p16[3][0]   | 153         |
| t2_EOTPosDepDmpTblY_MtrNmpRadpS_u0p16[3][1]   | 216         |
| t EOTDmpVspd Kph u9p7[0]  | 8064        |
| t_EOTDmpVspd_Kph_u9p7[1]  | 24064       |
| t EOTDmpVspd Kph u9p7[2]  | 24192       |
| t_EOTDmpVspd_Kph_u9p7[3]  | 24320       |
| t_EOTEnterGainVspd_Kph_u9p7[0]  | 8064        |
| t_EOTEnterGainVspd_Kph_u9p7[1]  | 24064       |
| t_EOTEnterGainVspd_Kph_u9p7[2]  | 24192       |
| t_EOTEnterGainVspd_Kph_u9p7[3]  | 24320       |
| t_SpdIptTblXTbl_HwDeg_u12p4[0]  | 368         |
| t_SpdIptTblXTbl_HwDeg_u12p4[1]  | 752         |
| t_SpdlptTbl/Tbl_NtrRadpS_u12p4[0]   | 688         |
| t_SpdlptTbl/Tbl_MtrRadpS_u12p4[0]   | 1072        |
| t_TrqTableX_HwNm_u8p8[0]  | 1792        |
| t_TrqTableX_HwNm_u8p8[1]  | 2304        |
| t_TrqTblY_Uls_u2p14[0]  | 475         |
|   | 557         |
| target_EOTActuatorMng_Per1_CcwEOT_HwDeg_f32.value   | -777.370972 |
| target_EOTActuatorMng_Per1_CcwFound_Cnt_lgc.value   | 0           |
| target_EOTActuatorMng_Per1_CcwFound_Cnt_igc.value target_EOTActuatorMng_Per1_CwEOT_HwDeg_f32.value                | 876.583984  |
| target_EOTActuatorMrig_Per1_CwEO1_nwDeg_isz.value target_EOTActuatorMrig_Per1_CwFound_Cnt_lgc.value               | 1           |
|   | 1           |
| target_EOTActuatorMng_Per1_EOTDisable_Cnt_lgc.value   | 1           |
| target_EOTActuatorMng_Per1_HandWheelAuth_Uls_f32.value<br>target_EOTActuatorMng_Per1_HandWheelPos_HwDeg_f32.value |             |
| James EQUACUAJODANO PECT HADDANDERPOS HWIJED 132 VAIDE  | 444.458008  |
|   | 0.5         |
| target_EOTActuatorMng_Per1_HwTorque_HwNm_f32.value target_EOTActuatorMng_Per1_MotorVel_MtrRadpS_f32.value         | 9.5<br>-250 |





| Name  | Input Value   |                            |        |
|---|---|----------------------------|--------|
| target_EOTActuatorMng_Per1_VehicleSpeed_Kph_f32.value   | 13.0539999  |                            |        |
| $target\_Rte\_Inst\_Ap\_EOTActuatorMng.EOTActuatorMng\_Per1\_AssistEOTDamping\_Per1\_AssistEOTD$                        | target_EOTActuatorMng_Per1_AssistEOTDa              | mping_MtrNm_f32            |        |
| target_Rte_Inst_Ap_EOTActuatorMng.EOTActuatorMng_Per1_AssistEOTGain_Uls_  | target_EOTActuatorMng_Per1_AssistEOTGa              | nin_Uls_f32                |        |
| $target\_Rte\_Inst\_Ap\_EOTActuatorMng.EOTActuatorMng\_Per1\_AssistEOTLimit\_MtrNer(Ap\_EOTActuatorMng\_Per1\_AssistEOTLimit\_MtrNer(Ap_EOTACTUATORM)$   | target_EOTActuatorMng_Per1_AssistEOTLir             | nit_MtrNm_f32              |        |
| target_Rte_Inst_Ap_EOTActuatorMng.EOTActuatorMng_Per1_CcwEOT_HwDeg_f3   | target_EOTActuatorMng_Per1_CcwEOT_Hw                | Deg_f32                    |        |
| $target\_Rte\_Inst\_Ap\_EOTActuatorMng.EOTActuatorMng\_Per1\_CcwFound\_Cnt\_Igc$  | target_EOTActuatorMng_Per1_CcwFound_C               | Cnt_lgc                    |        |
| target Rte Inst Ap EOTActuatorMng.EOTActuatorMng Per1 CwEOT HwDeg f32   | target_EOTActuatorMng_Per1_CwEOT_HwD                | Deg_f32                    |        |
| target_Rte_Inst_Ap_EOTActuatorMng.EOTActuatorMng_Per1_CwFound_Cnt_lgc   | target_EOTActuatorMng_Per1_CwFound_Cr               | nt_lgc                     |        |
| target_Rte_Inst_Ap_EOTActuatorMng.EOTActuatorMng_Per1_EOTDisable_Cnt_lgd  | target_EOTActuatorMng_Per1_EOTDisable_              | Cnt_lgc                    |        |
| $target\_Rte\_Inst\_Ap\_EOTActuatorMng.EOTActuatorMng\_Per1\_HandWheelAuth\_Ulstarget\_Rte\_Inst\_Ap\_EOTActuatorMng\_Per1\_HandWheelAuth\_Ulstarget\_Rte\_Inst\_Ap\_EOTActuatorMng\_Per1\_HandWheelAuth\_Ulstarget\_Rte\_Inst\_Ap\_EOTActuatorMng\_Per1\_HandWheelAuth\_Ulstarget\_Rte\_Inst\_Ap\_EOTActuatorMng\_Per1\_HandWheelAuth\_Ulstarget\_Rte\_Inst\_Ap\_EOTActuatorMng\_Per1\_HandWheelAuth\_Ulstarget\_Rte\_Inst\_Ap\_EOTActuatorMng\_Per1\_HandWheelAuth\_Ulstarget\_Rte\_Inst\_Ap\_EOTActuatorMng\_Per1\_HandWheelAuth\_Ulstarget\_Rte\_Inst\_Ap\_EOTActuatorMng\_Per1\_HandWheelAuth\_Ulstarget\_Rte\_Inst\_Ap\_EOTActuatorMng\_Per1\_HandWheelAuth\_Ulstarget\_Rte\_Inst\_Ap\_EOTActuatorMng\_Per1\_HandWheelAuth\_Ulstarget\_Rte\_Inst\_Ap\_EOTActuatorMng\_Per1\_HandWheelAuth\_Ulstarget\_Rte\_Inst_Ap\_EOTActuatorMng\_Per1\_HandWheelAuth\_Ulstarget\_Rte\_Inst_Ap\_EOTActuatorMng\_Per1\_HandWheelAuth\_Ulstarget\_Rte\_Inst_Ap\_EOTActuatorMng\_Per1\_HandWheelAuth\_Rte\_Inst_Ap\_EOTActuatorMng\_Per1\_HandWheelAuth\_Rte\_Inst_Ap\_EOTActuatorMng\_Per1\_HandWheelAuth\_Rte\_Inst_Ap\_EOTActuatorMng\_Per1\_HandWheelAuth\_Rte\_Inst_Ap\_EOTActuatorMng\_Per1\_HandWheelAuth_Rte\_Inst_Ap\_EOTActuatorMng\_Per1\_HandWheelA$ | target_EOTActuatorMng_Per1_HandWheelA               | uth_Uls_f32                |        |
| target_Rte_Inst_Ap_EOTActuatorMng.EOTActuatorMng_Per1_HandWheelPos_Hwl  | target_EOTActuatorMng_Per1_HandWheelP               | os_HwDeg_f32               |        |
| $target\_Rte\_Inst\_Ap\_EOTActuatorMng.EOTActuatorMng\_Per1\_HwTorque\_HwNm\_fractures and the property of the proper$  | target_EOTActuatorMng_Per1_HwTorque_H               | wNm_f32                    |        |
| target_Rte_Inst_Ap_EOTActuatorMng.EOTActuatorMng_Per1_MotorVel_MtrRadpS   | pS_target_EOTActuatorMng_Per1_MotorVel_MtrRadpS_f32 |                            |        |
| $target\_Rte\_Inst\_Ap\_EOTActuatorMng.EOTActuatorMng\_Per1\_OutputRampMultLtd\_Inst\_Ap\_EOTActuatorMng\_Per1\_OutputRampMultLtd\_Inst\_Ap\_EOTActuatorMng\_Per1\_OutputRampMultLtd\_Inst\_Ap\_EOTActuatorMng\_Per1\_OutputRampMultLtd\_Inst\_Ap\_EOTActuatorMng\_Per1\_OutputRampMultLtd\_Inst\_Ap\_EOTActuatorMng\_Per1\_OutputRampMultLtd\_InstAp\_EOTActuatorMng\_Per1\_Outpu$                       | target_EOTActuatorMng_Per1_OutputRampl              | MultLtd_Uls_f32            |        |
| $target\_Rte\_Inst\_Ap\_EOTActuatorMng.EOTActuatorMng\_Per1\_VehicleSpeed\_Kph\_restriction (Application of the Company of the Compan$  | target_EOTActuatorMng_Per1_VehicleSpeed             | d_Kph_f32                  |        |
| Name  | Actual Value  | Expected Value             | Result |
| EOTActuatorMng_Damping_MtrNm_M_f32  | 5.31631994  | 5.31631994 ± 0.0000390625  | ~      |
| EOTActuatorMng_EOTImpactPos_HwDeg_M_f32   | 300.200012  | 300.200012 ± 0.0000390625  | ~      |
| EOTActuatorMng_FiltEOTGainSV_HwNm_M_u1p31   | 1748504032  | 1748504032 ± 1             | ~      |
| EOTActuatorMng_FiltHWTrqSV_HwNm_M_s7p24   | -58340992   | -58340992 ± 1              | ~      |
| EOTActuatorMng_OutputRampMultLtd_M_f32  | 0.995000005   | 0.995000005 ± 0.00390625   | ~      |
| EOTActuatorMng_PrevEOTGain_Uls_M_f32  | 0.814208984   | 0.814208984 ± 0.0625       | ~      |
| EOTActuatorMng_SESState_Uls_M_enum  | SES_DISABLED  | SES_DISABLED               | ~      |
| target_EOTActuatorMng_Per1_AssistEOTDamping_MtrNm_f32.value   | 5.31631994  | 5.31631994 ± 0.00048828125 | ~      |
| target_EOTActuatorMng_Per1_AssistEOTGain_Uls_f32.value  | 0.814208984   | 0.814208984 ± 0.0000390625 | ~      |
| target_EOTActuatorMng_Per1_AssistEOTLimit_MtrNm_f32.value   | 8.80000019  | 8.80000019 ± 0.00048828125 | ~      |

| T  |       |  |       | ✓        |
|--|-------|--|-------|----------|
| Actual Function                                    | Count | Expected Function                                  | Count | Result   |
| Rte_Call_EOTActuatorMng_Per1_CP0_CheckpointReached | 1     | Rte_Call_EOTActuatorMng_Per1_CP0_CheckpointReached | 1     | ~        |
| EOTDetermination                                   | 1     | EOTDetermination                                   | 1     | <b>✓</b> |
| SES_DetLmtPos                                      | 1     | SES_DetLmtPos                                      | 1     | -        |
| SES_CalcExitGain                                   | 1     | SES_CalcExitGain                                   | 1     | •        |
| IntplVarXY_u16_u16Xu16Y_Cnt                        | 1     | IntplVarXY_u16_u16Xu16Y_Cnt                        | 1     | •        |
| SES_CalcEnterGain                                  | 1     | SES_CalcEnterGain                                  | 1     | ~        |
| BilinearXMYM_u16_u16XMu16YM_Cnt                    | 1     | BilinearXMYM_u16_u16XMu16YM_Cnt                    | 1     | ~        |
| SES_CalcEOTGain                                    | 1     | SES_CalcEOTGain                                    | 1     | ~        |
| SES_FiltEOTGain                                    | 1     | SES_FiltEOTGain                                    | 1     | ~        |
| SES_CalcEOTDamp                                    | 1     | SES_CalcEOTDamp                                    | 1     | <b>✓</b> |
| BilinearXMYM_u16_u16XMu16YM_Cnt                    | 1     | BilinearXMYM_u16_u16XMu16YM_Cnt                    | 1     | ~        |
| SES_StateCtrl                                      | 1     | SES_StateCtrl                                      | 1     | ~        |
| Rte Call EOTActuatorMng Per1 CP1 CheckpointReached | 1     | Rte Call EOTActuatorMng Per1 CP1 CheckpointReached | 1     | •        |

| Test Step 2.35 (Repeat Count = 1)         | ·                                 |
|---|-----------------------------------|
| Name                                      | Input Value                       |
| EOTActuatorMng_Damping_MtrNm_M_f32        | 5.80000019                        |
| EOTActuatorMng_EOTImpactPos_HwDeg_M_f32   | 466.350006                        |
| EOTActuatorMng_FiltEOTGainSV_HwNm_M_u1p31 | 1717986918                        |
| EOTActuatorMng_FiltHWTrqSV_HwNm_M_s7p24   | -167772160                        |
| EOTActuatorMng_PrevEOTGain_Uls_M_f32      | 0.119999997                       |
| EOTActuatorMng_SESState_Uls_M_enum        | SES_NORMAL                        |
| Rte_Inst_Ap_EOTActuatorMng                | target_Rte_Inst_Ap_EOTActuatorMng |
| k_EOTActiveRegionBypassMaxThresh_Uls_f32  | 0.595000029                       |
| k_EOTDefltPosition_HwDeg_u12p4            | 7632                              |
| k_EOTDeltaTrqThrsh_HwNm_u9p7              | 896                               |
| k_EOTDynConf_Uls_u8p8                     | 0                                 |
| k_EOTEnterLPFKn_Cnt_u16                   | 7567                              |
| k_EOTExitLPFKn_Cnt_u16                    | 8534                              |
| k_EOTImpSpdEn_Kph_u9p7                    | 4352                              |
| k_EOTOriginalImpactandSoftEnd_Cnt_lgc     | 0                                 |
| k_EOTPosDepDempFinalSlew_MtrNmpS_T_f32    | 145.889999                        |
| k_EOTStateHwTrqLPFKn_Cnt_u16              | 7454                              |
| k_MaxRackTrvl_HwDeg_u12p4                 | 2416                              |
| k_MinRackTrvl_HwDeg_u12p4                 | 10848                             |
| k_PosRampStep_HwDeg_u12p4                 | 3552                              |
| k_SoftStopEOTEnable_Cnt_lgc               | 1                                 |
| k_SpdlptScale_MtrNmpRadpS_u4p12           | 93                                |
| t2_EOTEnterGainX_HwDeg_u12p4[0][0]        | 560                               |
| t2_EOTEnterGainX_HwDeg_u12p4[0][1]        | 1664                              |
| t2_EOTEnterGainX_HwDeg_u12p4[0][2]        | 1680                              |

© Report created by TESSY V3.1.11, report template V2.1

2015-06-29, 18:31:27+0530



| EOTActuatorMng_Per1  | TAZOLA      |
|--|-------------|
| Name   | Input Value |
| t2_EOTEnterGainX_HwDeg_u12p4[0][3]                               | 1696        |
| t2_EOTEnterGainX_HwDeg_u12p4[1][0]                               | 1024        |
| t2_EOTEnterGainX_HwDeg_u12p4[1][1]                               | 3056        |
| t2_EOTEnterGainX_HwDeg_u12p4[1][2]                               | 3072        |
| 12_EOTEnterGainX_HwDeg_u12p4[1][3]                               | 3088        |
| t2_EOTEnterGainX_HwDeg_u12p4[2][0]                               | 1664        |
| I2_EOTEnterGainX_HwDeg_u12p4[2][1]                               | 4976        |
| 2_EOTEnterGainX_HwDeg_u12p4[2][2]                                | 4992        |
| 12_EOTEnterGainX_HwDeg_u12p4[2][3]                               | 5008        |
| 2_EOTEnterGainX_HwDeg_u12p4[3][0]                                | 2304        |
| 12_EOTEnterGainX_HwDeg_u12p4[3][1]                               | 6896        |
| 2_EOTEnterGainX_HwDeg_u12p4[3][2]                                | 6912        |
| t2_EOTEnterGainX_HwDeg_u12p4[3][3]                               | 6928        |
| t2_EOTEnterGainY_Uls_u1p15[0][0]                                 | 5           |
| t2_EOTEnterGainY_Uls_u1p15[0][1]                                 | 6           |
| t2_EOTEnterGainY_Uls_u1p15[0][2]                                 | 29          |
| 12_EOTEnterGainY_Uls_u1p15[0][3]                                 | 288         |
| 2_EOTEnterGainY_Uls_u1p15[1][0]                                  | 5           |
| 2_EOTEnterGainY_Uls_u1p15[1][1]                                  | 6           |
| 2_EOTEnterGainY_Uls_u1p15[1][2]                                  | 290         |
| 2_EOTEnterGainY_Uls_u1p15[1][3]                                  | 2880        |
| 2_EOTEnterGainY_Uls_u1p15[2][0]                                  | 7           |
| 2_EOTEnterGainY_Uls_u1p15[2][1]                                  | 8           |
| 2_EOTEnterGainY_Uls_u1p15[2][2]                                  | 88          |
| t2_EOTEnterGainY_Uls_u1p15[2][3]                                 | 859         |
| 2_EOTEnterGainY_Uls_u1p15[3][0]                                  | 288         |
| 2_EOTEnterGainY_Uls_u1p15[3][1]                                  | 29          |
| t2_EOTEnterGainY_Uls_u1p15[3][2]                                 | 5           |
| t2_EOTEnterGainY_Uls_u1p15[3][3]                                 | 6           |
| t2_EOTExPosDepDmpTblY_MtrNmpRadps_u0p16[0][0]                    | 137         |
| t2_EOTExPosDepDmpTblY_MtrNmpRadps_u0p16[0][1]                    | 194         |
| t2_EOTExPosDepDmpTblY_MtrNmpRadps_u0p16[1][0]                    | 77          |
| t2_EOTExPosDepDmpTbIY_MtrNmpRadps_u0p16[1][1]                    | 108         |
| t2_EOTExPosDepDmpTblY_MtrNmpRadps_u0p16[2][0]                    | 92          |
| t2_EOTExPosDepDmpTblY_MtrNmpRadps_u0p16[2][1]                    | 130         |
| t2_EOTExPosDepDmpTbIY_MtrNmpRadps_u0p16[3][0]                    | 122         |
| t2_EOTExPosDepDmpTbIY_MtrNmpRadps_u0p16[3][1]                    | 173         |
| t2_EOTPosDepDmpTblX_HwDeg_u12p4[0][0]                            | 1600        |
| t2_EOTPosDepDmpTblX_HwDeg_u12p4[0][1]                            | 3200        |
| t2_EOTPosDepDmpTblX_HwDeg_u12p4[1][0]                            | 3200        |
| t2_EOTPosDepDmpTblX_HwDeg_u12p4[1][1]                            | 5760        |
| t2_EOTPosDepDmpTblX_HwDeg_u12p4[2][0]                            | 4800        |
| 12_EOTPosDepDmpTbIX_HwDeg_u12p4[2][1]                            | 5760        |
| t2_EOTPosDepDmpTblX_HwDeg_u12p4[3][0]                            | 800         |
| 12_EOTPosDepDmpTblX_HwDeg_u12p4[3][1]                            | 4096        |
| t2_EOTPosDepDmpTblY_MtrNmpRadpS_u0p16[0][0]                      | 9           |
| t2_EOTPosDepDmpTblY_MtrNmpRadpS_u0p16[0][1]                      | 618         |
| t2_EOTPosDepDmpTblY_MtrNmpRadpS_u0p16[1][0]                      | 168         |
| t2_EOTPosDepDmpTblY_MtrNmpRadpS_u0p16[1][1]                      | 237         |
| t2_EOTPosDepDmpTblY_MtrNmpRadpS_u0p16[2][0]                      | 274         |
| 2_EOTPosDepDmpTblY_MtrNmpRadpS_u0p16[2][1]                       | 388         |
| 2_EOTPosDepDmpTblY_MtrNmpRadpS_u0p16[3][0]                       | 168         |
| 2_EOTPosDepDmpTblY_MtrNmpRadpS_u0p16[3][1]                       | 237         |
| E_EOTDmpVspd_Kph_u9p7[0]   | 8192        |
| _EOTDmpVspd_Kph_u9p7[1]  | 24448       |
| _EOTDmpVspd_Kph_u9p7[2]  | 24576       |
| _EOTDmpVspd_Kph_u9p7[3]  | 24704       |
| _EOTEnterGainVspd_Kph_u9p7[0]                                    | 8192        |
| _EOTEnterGainVspd_Kph_u9p7[0]                                    | 24448       |
| _EOTEnterGainVspd_Kph_u9p7[1]<br>_EOTEnterGainVspd_Kph_u9p7[2]   | 24576       |
| _EOTEnterGainVspd_Kph_u9p7[2]<br>_EOTEnterGainVspd_Kph_u9p7[3]   | 24704       |
| _EOTETILe Gainvspu_kpii_uspr[3]<br>_SpdlptTblXTbl_HwDeg_u12p4[0] | 384         |
|  | 768         |
| _SpdlptTblXTbl_HwDeg_u12p4[1]                                    | 708         |
| _SpdlptTblYTbl_MtrRadpS_u12p4[0]                                 |             |
| _SpdlptTblYTbl_MtrRadpS_u12p4[1]                                 | 1088        |
| _TrqTableX_HwNm_u8p8[0]  | 1792        |
| _TrqTableX_HwNm_u8p8[1]  | 2048        |
| _TrqTblY_Uls_u2p14[0]  | 492         |
| t_TrqTblY_Uls_u2p14[1]   | 573         |
| target_EOTActuatorMng_Per1_CcwEOT_HwDeg_f32.value                | -770.85199  |
| target_EOTActuatorMng_Per1_CcwFound_Cnt_lgc.value                | 1           |
| target_EOTActuatorMng_Per1_CwEOT_HwDeg_f32.value                 | 987.344971  |

2015-06-29, 18:31:27+0530



EOTActuatorMng\_Per1

EOTActuatorMng\_SESState\_Uls\_M\_enum

 $target\_EOTActuatorMng\_Per1\_AssistEOTDamping\_MtrNm\_f32.value$ 

target\_EOTActuatorMng\_Per1\_AssistEOTGain\_Uls\_f32.value

 $target\_EOTActuatorMng\_Per1\_AssistEOTLimit\_MtrNm\_f32.value$ 

| ·   |  |                           |          |  |
|---|--|---------------------------|----------|--|
| Name  | Input Value  |                           |          |  |
| target_EOTActuatorMng_Per1_EOTDisable_Cnt_lgc.value   | 0  |                           |          |  |
| target_EOTActuatorMng_Per1_HandWheelAuth_Uls_f32.value  | 0.479999989  |                           |          |  |
| target_EOTActuatorMng_Per1_HandWheelPos_HwDeg_f32.value   | -444.540009  | 444.540009                |          |  |
| target_EOTActuatorMng_Per1_HwTorque_HwNm_f32.value  | -9.5   |                           |          |  |
| target_EOTActuatorMng_Per1_MotorVel_MtrRadpS_f32.value  | 350  |                           |          |  |
| target_EOTActuatorMng_Per1_OutputRampMultLtd_Uls_f32.value  | 0.952000022  |                           |          |  |
| target_EOTActuatorMng_Per1_VehicleSpeed_Kph_f32.value   | 14.0419998   |                           |          |  |
| $target\_Rte\_Inst\_Ap\_EOTActuatorMng.EOTActuatorMng\_Per1\_AssistEOTDamping\_Per1\_AssistEOTD$  | target_EOTActuatorMng_Per1_AssistEOTDa                   | amping_MtrNm_f32          |          |  |
| target_Rte_Inst_Ap_EOTActuatorMng.EOTActuatorMng_Per1_AssistEOTGain_Uls_  | target_EOTActuatorMng_Per1_AssistEOTGa                   | ain_Uls_f32               |          |  |
| $target\_Rte\_Inst\_Ap\_EOTActuatorMng.EOTActuatorMng\_Per1\_AssistEOTLimit\_Mtr1000000000000000000000000000000000000$  | target_EOTActuatorMng_Per1_AssistEOTLin                  | mit_MtrNm_f32             |          |  |
| target_Rte_Inst_Ap_EOTActuatorMng.EOTActuatorMng_Per1_CcwEOT_HwDeg_f3   | target_EOTActuatorMng_Per1_CcwEOT_Hv                     | /Deg_f32                  |          |  |
| $target\_Rte\_Inst\_Ap\_EOTActuatorMng.EOTActuatorMng\_Per1\_CcwFound\_Cnt\_Igc$  | target_EOTActuatorMng_Per1_CcwFound_0                    | Cnt_lgc                   |          |  |
| target_Rte_Inst_Ap_EOTActuatorMng.EOTActuatorMng_Per1_CwEOT_HwDeg_f32   | eg_f32 target_EOTActuatorMng_Per1_CwEOT_HwDeg_f32        |                           |          |  |
| target_Rte_Inst_Ap_EOTActuatorMng.EOTActuatorMng_Per1_CwFound_Cnt_lgc   | target_EOTActuatorMng_Per1_CwFound_Cnt_lgc               |                           |          |  |
| target_Rte_Inst_Ap_EOTActuatorMng.EOTActuatorMng_Per1_EOTDisable_Cnt_lgd  | t_lgr target_EOTActuatorMng_Per1_EOTDisable_Cnt_lgc      |                           |          |  |
| target Rte Inst Ap EOTActuatorMng.EOTActuatorMng Per1 HandWheelAuth Uls   | uth Uls target_EOTActuatorMng_Per1_HandWheelAuth_Uls_f32 |                           |          |  |
| target_Rte_Inst_Ap_EOTActuatorMng.EOTActuatorMng_Per1_HandWheelPos_Hw   | target_EOTActuatorMng_Per1_HandWheelF                    | os_HwDeg_f32              |          |  |
| $target\_Rte\_Inst\_Ap\_EOTActuatorMng.EOTActuatorMng\_Per1\_HwTorque\_HwNm\_f$   | target_EOTActuatorMng_Per1_HwTorque_H                    | lwNm_f32                  |          |  |
| $target\_Rte\_Inst\_Ap\_EOTActuatorMng.EOTActuatorMng\_Per1\_MotorVel\_MtrRadpSpace{20mm}{$\mathbb{Z}_{2}$} and the substitution of the su$   | target_EOTActuatorMng_Per1_MotorVel_Mt                   | rRadpS_f32                |          |  |
| $target\_Rte\_Inst\_Ap\_EOTActuatorMng.EOTActuatorMng\_Per1\_OutputRampMultLtd\_Inst\_Ap\_EOTActuatorMng\_Per1\_OutputRampMultLtd\_Inst\_Ap\_EOTActuatorMng\_Per1\_OutputRampMultLtd\_Inst\_Ap\_EOTActuatorMng\_Per1\_OutputRampMultLtd\_Inst\_Ap\_EOTActuatorMng\_Per1\_OutputRampMultLtd\_Inst\_Ap\_EOTActuatorMng\_Per1\_OutputRampMultLtd\_InstAp\_EOTActuatorMng\_Per1\_Outpu$   | target_EOTActuatorMng_Per1_OutputRamp                    | MultLtd_Uls_f32           |          |  |
| $target\_Rte\_Inst\_Ap\_EOTActuatorMng.EOTActuatorMng\_Per1\_VehicleSpeed\_Kph\_Inst\_Ap\_EOTActuatorMng\_Per1\_VehicleSpeed\_Kph\_Inst\_Ap\_EOTActuatorMng\_Per1\_VehicleSpeed\_Kph\_Inst\_Ap\_EOTActuatorMng\_Per1\_VehicleSpeed\_Kph\_Inst\_Ap\_EOTActuatorMng\_Per1\_VehicleSpeed\_Kph\_Inst\_Ap\_EOTActuatorMng\_Per1\_VehicleSpeed\_Kph\_Inst\_Ap\_EOTActuatorMng\_Per1\_VehicleSpeed\_Kph\_Inst\_Ap\_EOTActuatorMng\_Per1\_VehicleSpeed\_Kph\_Inst_Ap\_EOTActuatorMng\_Per1\_VehicleSpe$ | target_EOTActuatorMng_Per1_VehicleSpee                   | d_Kph_f32                 |          |  |
| Name  | Actual Value   | Expected Value            | Result   |  |
| EOTActuatorMng_Damping_MtrNm_M_f32  | 5.5082202  | 5.5082202 ± 0.0000390625  | ~        |  |
| EOTActuatorMng_EOTImpactPos_HwDeg_M_f32   | 466.350006   | 466.350006 ± 0.0000390625 | •        |  |
| EOTActuatorMng_FiltEOTGainSV_HwNm_M_u1p31   | 1521804876   | 1521804876 ± 1            | <b>✓</b> |  |
| EOTActuatorMng_FiltHWTrqSV_HwNm_M_s7p24   | -130561792   | -130561792 ± 1            | ~        |  |
| EOTActuatorMng_OutputRampMultLtd_M_f32  | 0.952000022  | 0.952000022 ± 0.00390625  | <b>✓</b> |  |
| EOTActuatorMng_PrevEOTGain_Uls_M_f32  | 0.708618164  | 0.708618164 ± 0.0625      | <b>✓</b> |  |
| FOTA street and as OFOOtsta Lills M. server   | OFO NORMAL   | OFO NORMAL                |          |  |

| Τ  |       |  |       | V        |
|--|-------|--|-------|----------|
| Actual Function                                    | Count | Expected Function                                  | Count | Result   |
| Rte_Call_EOTActuatorMng_Per1_CP0_CheckpointReached | 1     | Rte_Call_EOTActuatorMng_Per1_CP0_CheckpointReached | 1     | ~        |
| EOTDetermination                                   | 1     | EOTDetermination                                   | 1     | ~        |
| SES_DetLmtPos                                      | 1     | SES_DetLmtPos                                      | 1     | ~        |
| SES_CalcExitGain                                   | 1     | SES_CalcExitGain                                   | 1     | <b>~</b> |
| IntplVarXY_u16_u16Xu16Y_Cnt                        | 1     | IntplVarXY_u16_u16Xu16Y_Cnt                        | 1     | ~        |
| SES_CalcEnterGain                                  | 1     | SES_CalcEnterGain                                  | 1     | ~        |
| BilinearXMYM_u16_u16XMu16YM_Cnt                    | 1     | BilinearXMYM_u16_u16XMu16YM_Cnt                    | 1     | ~        |
| SES_CalcEOTGain                                    | 1     | SES_CalcEOTGain                                    | 1     | ~        |
| SES_FiltEOTGain                                    | 1     | SES_FiltEOTGain                                    | 1     | ~        |
| SES_CalcEOTDamp                                    | 1     | SES_CalcEOTDamp                                    | 1     | ~        |
| BilinearXMYM_u16_u16XMu16YM_Cnt                    | 1     | BilinearXMYM_u16_u16XMu16YM_Cnt                    | 1     | ~        |
| SES_StateCtrl                                      | 1     | SES_StateCtrl                                      | 1     | ~        |
| IntplVarXY_u16_u16Xu16Y_Cnt                        | 2     | IntplVarXY_u16_u16Xu16Y_Cnt                        | 2     | ~        |
| Rte_Call_EOTActuatorMng_Per1_CP1_CheckpointReached | 1     | Rte_Call_EOTActuatorMng_Per1_CP1_CheckpointReached | 1     | ~        |

SES\_NORMAL

5.5082202

0.708618164

8.80000019

SES\_NORMAL

5.5082202 ± 0.00048828125

0.708618164 ± 0.0000390625

8.80000019 ± 0.00048828125

| Test Step 2.36 (Repeat Count = 1)         | ✓                                 |
|---|-----------------------------------|
| Name                                      | Input Value                       |
| EOTActuatorMng_Damping_MtrNm_M_f32        | 6                                 |
| EOTActuatorMng_EOTImpactPos_HwDeg_M_f32   | 244.160004                        |
| EOTActuatorMng_FiltEOTGainSV_HwNm_M_u1p31 | 1503238554                        |
| EOTActuatorMng_FiltHWTrqSV_HwNm_M_s7p24   | 167772160                         |
| EOTActuatorMng_PrevEOTGain_Uls_M_f32      | 0.89999976                        |
| EOTActuatorMng_SESState_Uls_M_enum        | SES_ENTERING                      |
| Rte_Inst_Ap_EOTActuatorMng                | target_Rte_Inst_Ap_EOTActuatorMng |
| k_EOTActiveRegionBypassMaxThresh_Uls_f32  | 0.0869999975                      |
| k_EOTDefltPosition_HwDeg_u12p4            | 4432                              |
| k_EOTDeltaTrqThrsh_HwNm_u9p7              | 768                               |
| k_EOTDynConf_Uls_u8p8                     | 30720                             |
| k_EOTEnterLPFKn_Cnt_u16                   | 5644                              |
| k_EOTExitLPFKn_Cnt_u16                    | 2527                              |
| k_EOTImpSpdEn_Kph_u9p7                    | 4480                              |
| k_EOTOriginalImpactandSoftEnd_Cnt_lgc     | 1                                 |
| k_EOTPosDepDempFinalSlew_MtrNmpS_T_f32    | 149.940002                        |
| k_EOTStateHwTrqLPFKn_Cnt_u16              | 2649                              |
| k_MaxRackTrvl_HwDeg_u12p4                 | 2432                              |

EOTActuatorMng Per1

2015-06-29, 18:31:27+0530



Input Value k MinRackTrvl\_HwDeg\_u12p4 11952 1776 k\_PosRampStep\_HwDeg\_u12p4 k SoftStopEOTEnable\_Cnt\_lgc k\_SpdlptScale\_MtrNmpRadpS\_u4p12 93 t2 EOTEnterGainX\_HwDeg\_u12p4[0][0] 576 t2\_EOTEnterGainX\_HwDeg\_u12p4[0][1] 1712 t2\_EOTEnterGainX\_HwDeg\_u12p4[0][2] 1728 t2\_EOTEnterGainX\_HwDeg\_u12p4[0][3] 1744 t2\_EOTEnterGainX\_HwDeg\_u12p4[1][0] 1040 t2\_EOTEnterGainX\_HwDeg\_u12p4[1][1] 3104 t2\_EOTEnterGainX\_HwDeg\_u12p4[1][2] 3120 t2\_EOTEnterGainX\_HwDeg\_u12p4[1][3] 3136 1680 t2\_EOTEnterGainX\_HwDeg\_u12p4[2][0] 5024 t2\_EOTEnterGainX\_HwDeg\_u12p4[2][1] t2\_EOTEnterGainX\_HwDeg\_u12p4[2][2] 5040 5056 t2\_EOTEnterGainX\_HwDeg\_u12p4[2][3] t2\_EOTEnterGainX\_HwDeg\_u12p4[3][0] 2320 t2\_EOTEnterGainX\_HwDeg\_u12p4[3][1] 6944 t2\_EOTEnterGainX\_HwDeg\_u12p4[3][2] 6960 t2\_EOTEnterGainX\_HwDeg\_u12p4[3][3] 6976 t2\_EOTEnterGainY\_Uls\_u1p15[0][0] 5 t2\_EOTEnterGainY\_Uls\_u1p15[0][1] 6 t2\_EOTEnterGainY\_Uls\_u1p15[0][2] 39 t2\_EOTEnterGainY\_Uls\_u1p15[0][3] 383 t2 EOTEnterGainY\_Uls\_u1p15[1][0] 5 t2\_EOTEnterGainY\_Uls\_u1p15[1][1] 6 t2\_EOTEnterGainY\_Uls\_u1p15[1][2] 39 t2\_EOTEnterGainY\_Uls\_u1p15[1][3] 383 t2 EOTEnterGainY Uls u1p15[2][0] 7 t2\_EOTEnterGainY\_Uls\_u1p15[2][1] 8 t2\_EOTEnterGainY\_Uls\_u1p15[2][2] 98 t2\_EOTEnterGainY\_Uls\_u1p15[2][3] 954 t2 EOTEnterGainY Uls u1p15[3][0] 383 t2\_EOTEnterGainY\_Uls\_u1p15[3][1] 39 t2\_EOTEnterGainY\_Uls\_u1p15[3][2] 5 t2\_EOTEnterGainY\_Uls\_u1p15[3][3] 6 t2\_EOTExPosDepDmpTblY\_MtrNmpRadps\_u0p16[0][0] 153 t2\_EOTExPosDepDmpTblY\_MtrNmpRadps\_u0p16[0][1] 216 t2\_EOTExPosDepDmpTblY\_MtrNmpRadps\_u0p16[1][0] 92 t2\_EOTExPosDepDmpTblY\_MtrNmpRadps\_u0p16[1][1] 130 t2\_EOTExPosDepDmpTblY\_MtrNmpRadps\_u0p16[2][0] 107 t2\_EOTExPosDepDmpTblY\_MtrNmpRadps\_u0p16[2][1] 151 t2\_EOTExPosDepDmpTblY\_MtrNmpRadps\_u0p16[3][0] 137 t2\_EOTExPosDepDmpTblY\_MtrNmpRadps\_u0p16[3][1] 194  $t2\_EOTPosDepDmpTblX\_HwDeg\_u12p4[0][0]$ 0 t2\_EOTPosDepDmpTblX\_HwDeg\_u12p4[0][1] 1920 t2\_EOTPosDepDmpTblX\_HwDeg\_u12p4[1][0] 0 1920 t2\_EOTPosDepDmpTblX\_HwDeg\_u12p4[1][1]  $t2\_EOTPosDepDmpTblX\_HwDeg\_u12p4[2][0]$ 0 t2\_EOTPosDepDmpTblX\_HwDeg\_u12p4[2][1] 1920 t2 EOTPosDepDmpTblX HwDeg u12p4[3][0] 832 t2\_EOTPosDepDmpTblX\_HwDeg\_u12p4[3][1] 4112 t2 EOTPosDepDmpTblY MtrNmpRadpS u0p16[0][0] 11 t2\_EOTPosDepDmpTblY\_MtrNmpRadpS\_u0p16[0][1] 77 t2\_EOTPosDepDmpTblY\_MtrNmpRadpS\_u0p16[1][0] 183 t2\_EOTPosDepDmpTblY\_MtrNmpRadpS\_u0p16[1][1] 259 t2\_EOTPosDepDmpTblY\_MtrNmpRadpS\_u0p16[2][0] 289 t2\_EOTPosDepDmpTblY\_MtrNmpRadpS\_u0p16[2][1] 409 t2\_EOTPosDepDmpTblY\_MtrNmpRadpS\_u0p16[3][0] 183 t2\_EOTPosDepDmpTblY\_MtrNmpRadpS\_u0p16[3][1] 259 t\_EOTDmpVspd\_Kph\_u9p7[0] 8320 24832  $t\_EOTDmpVspd\_Kph\_u9p7[1]$  $t\_EOTDmpVspd\_Kph\_u9p7[2]$ 24960 t\_EOTDmpVspd\_Kph\_u9p7[3] 25088 t\_EOTEnterGainVspd\_Kph\_u9p7[0] 8320 t\_EOTEnterGainVspd\_Kph\_u9p7[1] 24832 t\_EOTEnterGainVspd\_Kph\_u9p7[2] 24960 t EOTEnterGainVspd Kph u9p7[3] 25088 t\_SpdlptTblXTbl\_HwDeg\_u12p4[0] 400 t\_SpdlptTblXTbl\_HwDeg\_u12p4[1] 784 t\_SpdIptTbIYTbI\_MtrRadpS\_u12p4[0] 720 t\_SpdIptTbIYTbI\_MtrRadpS\_u12p4[1] 1104 t\_TrqTableX\_HwNm\_u8p8[0] 1536

2015-06-29, 18:31:27+0530



| Name   | Input Value                             |                           |        |
|--|---|---------------------------|--------|
| t_TrqTableX_HwNm_u8p8[1]   | 1792                                    |                           |        |
| t_TrqTblY_Uls_u2p14[0]   | 508                                     |                           |        |
| t_TrqTblY_Uls_u2p14[1]   | 590                                     |                           |        |
| target_EOTActuatorMng_Per1_CcwEOT_HwDeg_f32.value  | -888.202026                             |                           |        |
| target_EOTActuatorMng_Per1_CcwFound_Cnt_lgc.value  | 1                                       |                           |        |
| target_EOTActuatorMng_Per1_CwEOT_HwDeg_f32.value   | 977.153992                              |                           |        |
| target_EOTActuatorMng_Per1_CwFound_Cnt_lgc.value   | 1                                       |                           |        |
| target_EOTActuatorMng_Per1_EOTDisable_Cnt_lgc.value  | 1                                       |                           |        |
| target_EOTActuatorMng_Per1_HandWheelAuth_Uls_f32.value   | 0.920000017                             |                           |        |
| target_EOTActuatorMng_Per1_HandWheelPos_HwDeg_f32.value  | 555.875                                 |                           |        |
| target_EOTActuatorMng_Per1_HwTorque_HwNm_f32.value   | 0.109999999                             |                           |        |
| target_EOTActuatorMng_Per1_MotorVel_MtrRadpS_f32.value   | -350                                    |                           |        |
| target_EOTActuatorMng_Per1_OutputRampMultLtd_Uls_f32.value   | 0.541999996                             |                           |        |
| target_EOTActuatorMng_Per1_VehicleSpeed_Kph_f32.value  | 15.0253                                 |                           |        |
| $target\_Rte\_Inst\_Ap\_EOTActuatorMng.EOTActuatorMng\_Per1\_AssistEOTDamping\_Per1\_AssisTEOTDamping\_Per1\_AssisTEOTD$   | target_EOTActuatorMng_Per1_AssistEOTDa  | mping_MtrNm_f32           |        |
| target Rte Inst Ap EOTActuatorMng.EOTActuatorMng Per1 AssistEOTGain Uls  | target_EOTActuatorMng_Per1_AssistEOTGa  | ain_Uls_f32               |        |
| $target\_Rte\_Inst\_Ap\_EOTActuatorMng.EOTActuatorMng\_Per1\_AssistEOTLimit\_Mtrice and the property of the property$  | target_EOTActuatorMng_Per1_AssistEOTLir | mit_MtrNm_f32             |        |
| target_Rte_Inst_Ap_EOTActuatorMng.EOTActuatorMng_Per1_CcwEOT_HwDeg_f3  | target_EOTActuatorMng_Per1_CcwEOT_Hw    | /Deg_f32                  |        |
| $target\_Rte\_Inst\_Ap\_EOTActuatorMng.EOTActuatorMng\_Per1\_CcwFound\_Cnt\_lgc$   | target_EOTActuatorMng_Per1_CcwFound_C   | Cnt_lgc                   |        |
| target_Rte_Inst_Ap_EOTActuatorMng.EOTActuatorMng_Per1_CwEOT_HwDeg_f32  | target_EOTActuatorMng_Per1_CwEOT_HwI    | Deg_f32                   |        |
| $target\_Rte\_Inst\_Ap\_EOTActuatorMng.EOTActuatorMng\_Per1\_CwFound\_Cnt\_lgc$  | target_EOTActuatorMng_Per1_CwFound_Cr   | nt_lgc                    |        |
| target_Rte_Inst_Ap_EOTActuatorMng.EOTActuatorMng_Per1_EOTDisable_Cnt_Ign   | target_EOTActuatorMng_Per1_EOTDisable_  | Cnt_lgc                   |        |
| $target\_Rte\_Inst\_Ap\_EOTActuatorMng\_EOTActuatorMng\_Per1\_HandWheelAuth\_Ulstarget\_Rte\_Inst\_Ap\_EOTActuatorMng\_Per1\_HandWheelAuth\_Ulstarget\_Rte\_Inst\_Ap\_EOTActuatorMng\_Per1\_HandWheelAuth\_Ulstarget\_Rte\_Inst\_Ap\_EOTActuatorMng\_Per1\_HandWheelAuth\_Ulstarget\_Rte\_Inst\_Ap\_EOTActuatorMng\_Per1\_HandWheelAuth\_Ulstarget\_Rte\_Inst\_Ap\_EOTActuatorMng\_Per1\_HandWheelAuth\_Ulstarget\_Rte\_Inst\_Ap\_EOTActuatorMng\_Per1\_HandWheelAuth\_Ulstarget\_Rte\_Inst\_Ap\_EOTActuatorMng\_Per1\_HandWheelAuth\_Ulstarget\_Rte\_Inst\_Ap\_EOTActuatorMng\_Per1\_HandWheelAuth\_Ulstarget\_Rte\_InstAp\_EOTActuatorMng\_Per1\_HandWheelAuth\_Ulstarget\_Rte\_InstAp\_EOTActuatorMng\_Per1\_HandWheelAuth\_Ulstarget\_Rte\_InstAp\_EOTActuatorMng\_Rte\_$ | target_EOTActuatorMng_Per1_HandWheelA   | uth_Uls_f32               |        |
| $target\_Rte\_Inst\_Ap\_EOTActuatorMng.EOTActuatorMng\_Per1\_HandWheelPos\_Hwarderseterseterseterseterseterseterseters$  | target_EOTActuatorMng_Per1_HandWheelP   | os_HwDeg_f32              |        |
| target Rte Inst Ap EOTActuatorMng.EOTActuatorMng Per1 HwTorque HwNm f  | target_EOTActuatorMng_Per1_HwTorque_H   | wNm_f32                   |        |
| target_Rte_Inst_Ap_EOTActuatorMng.EOTActuatorMng_Per1_MotorVel_MtrRadpS  | target_EOTActuatorMng_Per1_MotorVel_Mt  | rRadpS_f32                |        |
| $target\_Rte\_Inst\_Ap\_EOTActuatorMng\_EOTActuatorMng\_Per1\_OutputRampMultLtd$   | target_EOTActuatorMng_Per1_OutputRamp   | MultLtd_Uls_f32           |        |
| $target\_Rte\_Inst\_Ap\_EOTActuatorMng.EOTActuatorMng\_Per1\_VehicleSpeed\_Kph\_Rte\_Inst\_Ap\_EOTActuatorMng.EOTActuatorMng\_Per1\_VehicleSpeed\_Kph\_Rte\_Inst\_Ap\_EOTActuatorMng.EOTActuatorMng\_Per1\_VehicleSpeed\_Kph\_Rte\_Inst\_Ap\_EOTActuatorMng.EOTActuatorMng\_Per1\_VehicleSpeed\_Kph\_Rte\_Inst\_Ap\_EOTActuatorMng.EOTActuatorMng\_Per1\_VehicleSpeed\_Kph\_Rte\_Inst\_Ap\_EOTActuatorMng.EOTActuatorMng\_Per1\_VehicleSpeed\_Kph\_Rte\_Inst\_Ap\_EOTActuatorMng.EOTActuatorMng\_Per1\_VehicleSpeed\_Kph\_Rte\_Inst_Ap\_EOTActuatorMng.EO$   | target_EOTActuatorMng_Per1_VehicleSpeed | d_Kph_f32                 |        |
| Name   | Actual Value                            | Expected Value            | Result |
| EOTActuatorMng_Damping_MtrNm_M_f32   | 5.70011997                              | 5.70011997 ± 0.0000390625 | ~      |
|  | 1                                       |                           |        |

| target_re_met_rp_corrected_rpn_                             |              |                            |        |
|---|--------------|----------------------------|--------|
| Name  | Actual Value | Expected Value             | Result |
| EOTActuatorMng_Damping_MtrNm_M_f32                          | 5.70011997   | 5.70011997 ± 0.0000390625  | ~      |
| EOTActuatorMng_EOTImpactPos_HwDeg_M_f32                     | 244.160004   | 244.160004 ± 0.0000390625  | •      |
| EOTActuatorMng_FiltEOTGainSV_HwNm_M_u1p31                   | 1375943778   | 1375943778 ± 1             | ~      |
| EOTActuatorMng_FiltHWTrqSV_HwNm_M_s7p24                     | 161064892    | 161064892 ± 1              | •      |
| EOTActuatorMng_OutputRampMultLtd_M_f32                      | 0.541999996  | 0.541999996 ± 0.00390625   | •      |
| EOTActuatorMng_PrevEOTGain_Uls_M_f32                        | 0.640716553  | 0.640716553 ± 0.0625       | •      |
| EOTActuatorMng_SESState_Uls_M_enum                          | SES_DISABLED | SES_DISABLED               | ~      |
| target_EOTActuatorMng_Per1_AssistEOTDamping_MtrNm_f32.value | 5.70011997   | 5.70011997 ± 0.00048828125 | ~      |
| target_EOTActuatorMng_Per1_AssistEOTGain_Uls_f32.value      | 0.640716553  | 0.640716553 ± 0.0000390625 | ~      |
| target_EOTActuatorMng_Per1_AssistEOTLimit_MtrNm_f32.value   | 8.80000019   | 8.80000019 ± 0.00048828125 | •      |

| Τ  |       |  |       | <b>✓</b> |
|--|-------|--|-------|----------|
| Actual Function                                    | Count | Expected Function                                  | Count | Result   |
| Rte_Call_EOTActuatorMng_Per1_CP0_CheckpointReached | 1     | Rte_Call_EOTActuatorMng_Per1_CP0_CheckpointReached | 1     | ~        |
| EOTDetermination                                   | 1     | EOTDetermination                                   | 1     | <b>✓</b> |
| SES_DetLmtPos                                      | 1     | SES_DetLmtPos                                      | 1     | ~        |
| SES_CalcExitGain                                   | 1     | SES_CalcExitGain                                   | 1     | <b>✓</b> |
| IntplVarXY_u16_u16Xu16Y_Cnt                        | 1     | IntplVarXY_u16_u16Xu16Y_Cnt                        | 1     | ~        |
| SES_CalcEnterGain                                  | 1     | SES_CalcEnterGain                                  | 1     | •        |
| BilinearXMYM_u16_u16XMu16YM_Cnt                    | 1     | BilinearXMYM_u16_u16XMu16YM_Cnt                    | 1     | ~        |
| SES_CalcEOTGain                                    | 1     | SES_CalcEOTGain                                    | 1     | •        |
| SES_FiltEOTGain                                    | 1     | SES_FiltEOTGain                                    | 1     | ~        |
| SES_CalcEOTDamp                                    | 1     | SES_CalcEOTDamp                                    | 1     | <b>✓</b> |
| BilinearXMYM_u16_u16XMu16YM_Cnt                    | 1     | BilinearXMYM_u16_u16XMu16YM_Cnt                    | 1     | ~        |
| SES_StateCtrl                                      | 1     | SES_StateCtrl                                      | 1     | ~        |
| Rte_Call_EOTActuatorMng_Per1_CP1_CheckpointReached | 1     | Rte_Call_EOTActuatorMng_Per1_CP1_CheckpointReached | 1     | ~        |

| Test Step 2.37 (Repeat Count = 1)         |                                   | <b>✓</b> |
|---|-----------------------------------|----------|
| Name                                      | Input Value                       |          |
| EOTActuatorMng_Damping_MtrNm_M_f32        | 6.19999981                        |          |
| EOTActuatorMng_EOTImpactPos_HwDeg_M_f32   | 765.280029                        |          |
| EOTActuatorMng_FiltEOTGainSV_HwNm_M_u1p31 | 1288490189                        |          |
| EOTActuatorMng_FiltHWTrqSV_HwNm_M_s7p24   | 0                                 |          |
| EOTActuatorMng_PrevEOTGain_Uls_M_f32      | 0.800000012                       |          |
| EOTActuatorMng_SESState_Uls_M_enum        | SES_NORMAL                        |          |
| Rte_Inst_Ap_EOTActuatorMng                | target_Rte_Inst_Ap_EOTActuatorMng |          |
| k_EOTActiveRegionBypassMaxThresh_Uls_f32  | 0.00899999961                     |          |
| k_EOTDefltPosition_HwDeg_u12p4            | 7760                              |          |
| k_EOTDeltaTrqThrsh_HwNm_u9p7              | 640                               |          |
| k_EOTDynConf_Uls_u8p8                     | 33280                             |          |
| k_EOTEnterLPFKn_Cnt_u16                   | 4444                              |          |

2015-06-29, 18:31:27+0530



EOTActuatorMng Per1 Input Value k EOTExitLPFKn\_Cnt\_u16 6327 4608 k\_EOTImpSpdEn\_Kph\_u9p7 k EOTOriginalImpactandSoftEnd Cnt lgc 0 k\_EOTPosDepDempFinalSlew\_MtrNmpS\_T\_f32 153.990005 k EOTStateHwTrgLPFKn Cnt u16 6443 k\_MaxRackTrvl\_HwDeg\_u12p4 2448 k MinRackTrvl HwDeg u12p4 10176 k\_PosRampStep\_HwDeg\_u12p4 12272 k\_SoftStopEOTEnable\_Cnt\_lgc 93  $k\_SpdIptScale\_MtrNmpRadpS\_u4p12$ t2\_EOTEnterGainX\_HwDeg\_u12p4[0][0] 1280 t2\_EOTEnterGainX\_HwDeg\_u12p4[0][1] 3824 3840 t2\_EOTEnterGainX\_HwDeg\_u12p4[0][2] 3856 t2\_EOTEnterGainX\_HwDeg\_u12p4[0][3] t2\_EOTEnterGainX\_HwDeg\_u12p4[1][0] 3040 9104 t2\_EOTEnterGainX\_HwDeg\_u12p4[1][1] t2\_EOTEnterGainX\_HwDeg\_u12p4[1][2] 9120 t2\_EOTEnterGainX\_HwDeg\_u12p4[1][3] 9136 t2\_EOTEnterGainX\_HwDeg\_u12p4[2][0] 672 t2\_EOTEnterGainX\_HwDeg\_u12p4[2][1] 2000 t2\_EOTEnterGainX\_HwDeg\_u12p4[2][2] 2016 t2\_EOTEnterGainX\_HwDeg\_u12p4[2][3] 2032 t2\_EOTEnterGainX\_HwDeg\_u12p4[3][0] 1376 t2\_EOTEnterGainX\_HwDeg\_u12p4[3][1] 4112 t2\_EOTEnterGainX\_HwDeg\_u12p4[3][2] 4128 t2\_EOTEnterGainX\_HwDeg\_u12p4[3][3] 4144 t2\_EOTEnterGainY\_Uls\_u1p15[0][0] 6 t2\_EOTEnterGainY\_Uls\_u1p15[0][1] 6 t2 EOTEnterGainY Uls u1p15[0][2] 49 t2\_EOTEnterGainY\_Uls\_u1p15[0][3] 478 t2\_EOTEnterGainY\_Uls\_u1p15[1][0] 6 t2\_EOTEnterGainY\_Uls\_u1p15[1][1] 6 t2 EOTEnterGainY Uls u1p15[1][2] 49 t2\_EOTEnterGainY\_Uls\_u1p15[1][3] 478 t2\_EOTEnterGainY\_Uls\_u1p15[2][0] 8 t2\_EOTEnterGainY\_Uls\_u1p15[2][1] 8 t2\_EOTEnterGainY\_Uls\_u1p15[2][2] 108 1049 t2\_EOTEnterGainY\_Uls\_u1p15[2][3] t2\_EOTEnterGainY\_Uls\_u1p15[3][0] 478 t2 EOTEnterGainY\_Uls\_u1p15[3][1] 49 t2\_EOTEnterGainY\_Uls\_u1p15[3][2] 6 t2 EOTEnterGainY\_Uls\_u1p15[3][3] 6 t2\_EOTExPosDepDmpTblY\_MtrNmpRadps\_u0p16[0][0] 168 t2\_EOTExPosDepDmpTblY\_MtrNmpRadps\_u0p16[0][1] 237  $t2\_EOTExPosDepDmpTblY\_MtrNmpRadps\_u0p16[1][0]$ 4 t2\_EOTExPosDepDmpTblY\_MtrNmpRadps\_u0p16[1][1] 26 t2 EOTExPosDepDmpTblY MtrNmpRadps u0p16[2][0] 122 t2\_EOTExPosDepDmpTblY\_MtrNmpRadps\_u0p16[2][1] 173 t2\_EOTExPosDepDmpTblY\_MtrNmpRadps\_u0p16[3][0] 153 t2\_EOTExPosDepDmpTblY\_MtrNmpRadps\_u0p16[3][1] 216 t2 EOTPosDepDmpTblX HwDeg u12p4[0][0]

800

1184

944

1328

656

1040

864

4128

13

92

198 280

37

194

198 280

8448

25216

25344

25472

8448

25216

25344

t2\_EOTPosDepDmpTblX\_HwDeg\_u12p4[0][1]

t2 EOTPosDepDmpTblX HwDeg u12p4[1][0]

t2\_EOTPosDepDmpTblX\_HwDeg\_u12p4[1][1]

t2\_EOTPosDepDmpTblX\_HwDeg\_u12p4[2][0]

t2\_EOTPosDepDmpTblX\_HwDeg\_u12p4[2][1]

t2\_EOTPosDepDmpTblX\_HwDeg\_u12p4[3][0]

t2\_EOTPosDepDmpTblX\_HwDeg\_u12p4[3][1]

t2\_EOTPosDepDmpTblY\_MtrNmpRadpS\_u0p16[0][0]

t2\_EOTPosDepDmpTblY\_MtrNmpRadpS\_u0p16[0][1]

t2\_EOTPosDepDmpTblY\_MtrNmpRadpS\_u0p16[1][0]

t2\_EOTPosDepDmpTblY\_MtrNmpRadpS\_u0p16[1][1]  $t2\_EOTPosDepDmpTbIY\_MtrNmpRadpS\_u0p16[2][0]$ 

t2\_EOTPosDepDmpTblY\_MtrNmpRadpS\_u0p16[2][1]

t2\_EOTPosDepDmpTblY\_MtrNmpRadpS\_u0p16[3][0]

t2\_EOTPosDepDmpTblY\_MtrNmpRadpS\_u0p16[3][1]

t\_EOTDmpVspd\_Kph\_u9p7[0]

t EOTDmpVspd Kph u9p7[1]

t\_EOTDmpVspd\_Kph\_u9p7[2]

t\_EOTDmpVspd\_Kph\_u9p7[3]

t\_EOTEnterGainVspd\_Kph\_u9p7[0]

t\_EOTEnterGainVspd\_Kph\_u9p7[1]

t\_EOTEnterGainVspd\_Kph\_u9p7[2]

2015-06-29, 18:31:27+0530



| Name   | Input Value  |                           |        |
|--|--|---------------------------|--------|
| t_EOTEnterGainVspd_Kph_u9p7[3]   | 25472  |                           |        |
| t_SpdlptTblXTbl_HwDeg_u12p4[0]   | 416  |                           |        |
| t_SpdlptTblXTbl_HwDeg_u12p4[1]   | 800  |                           |        |
| t_SpdlptTblYTbl_MtrRadpS_u12p4[0]  | 736  |                           |        |
| t_SpdlptTblYTbl_MtrRadpS_u12p4[1]  | 1120   |                           |        |
| t_TrqTableX_HwNm_u8p8[0]   | 1280   |                           |        |
| t_TrqTableX_HwNm_u8p8[1]   | 1536   |                           |        |
| t_TrqTblY_Uls_u2p14[0]   | 524  |                           |        |
| t_TrqTblY_Uls_u2p14[1]   | 606  |                           |        |
| target_EOTActuatorMng_Per1_CcwEOT_HwDeg_f32.value  | -880.103027  |                           |        |
| target_EOTActuatorMng_Per1_CcwFound_Cnt_lgc.value  | 1  |                           |        |
| target_EOTActuatorMng_Per1_CwEOT_HwDeg_f32.value   | 866.674011   |                           |        |
| target_EOTActuatorMng_Per1_CwFound_Cnt_lgc.value   | 0  |                           |        |
| target_EOTActuatorMng_Per1_EOTDisable_Cnt_lgc.value  | 0  |                           |        |
| target_EOTActuatorMng_Per1_HandWheelAuth_Uls_f32.value   | 0.430000007  |                           |        |
| target_EOTActuatorMng_Per1_HandWheelPos_HwDeg_f32.value  | -555.202026  |                           |        |
| target_EOTActuatorMng_Per1_HwTorque_HwNm_f32.value   | -0.219999999   |                           |        |
| target_EOTActuatorMng_Per1_MotorVel_MtrRadpS_f32.value   | 450  |                           |        |
| target_EOTActuatorMng_Per1_OutputRampMultLtd_Uls_f32.value   | 0.136000007  |                           |        |
| target_EOTActuatorMng_Per1_VehicleSpeed_Kph_f32.value  | 16.2474995   |                           |        |
| $target\_Rte\_Inst\_Ap\_EOTActuatorMng.EOTActuatorMng\_Per1\_AssistEOTDampingstarget = 0.0000000000000000000000000000000000$   | target_EOTActuatorMng_Per1_AssistEOTD                        | amping_MtrNm_f32          |        |
| $target\_Rte\_Inst\_Ap\_EOTActuatorMng.EOTActuatorMng\_Per1\_AssistEOTGain\_Ulstarget\_Rte\_Inst\_Ap\_EOTActuatorMng.EOTActuatorMng\_Per1\_AssistEOTGain\_Ulstarget\_Rte\_Inst\_Ap\_EOTActuatorMng.EOTActuatorMng\_Per1\_AssistEOTGain\_Ulstarget\_Rte\_Inst\_Ap\_EOTActuatorMng.EOTActuatorMng\_Per1\_AssistEOTGain\_Ulstarget\_Rte\_Inst\_Ap\_EOTActuatorMng.EOTActuatorMng\_Per1\_AssistEOTGain\_Ulstarget\_Rte\_Inst\_Ap\_EOTActuatorMng.EOTActuatorMng\_Per1\_AssistEOTGain\_Ulstarget\_Rte\_Inst\_Ap\_EOTActuatorMng.EOTActuat$   | target_EOTActuatorMng_Per1_AssistEOTG                        | ain_Uls_f32               |        |
| $target\_Rte\_Inst\_Ap\_EOTActuatorMng.EOTActuatorMng\_Per1\_AssistEOTLimit\_Mtrace and the property of the property$  | target_EOTActuatorMng_Per1_AssistEOTLi                       | mit_MtrNm_f32             |        |
| $target\_Rte\_Inst\_Ap\_EOTActuatorMng.EOTActuatorMng\_Per1\_CcwEOT\_HwDeg\_ft$  | a target_EOTActuatorMng_Per1_CcwEOT_H                        | wDeg_f32                  |        |
| $target\_Rte\_Inst\_Ap\_EOTActuatorMng.EOTActuatorMng\_Per1\_CcwFound\_Cnt\_lgcomes and the property of the property $   | target_EOTActuatorMng_Per1_CcwFound_                         | Cnt_lgc                   |        |
| $target\_Rte\_Inst\_Ap\_EOTActuatorMng.EOTActuatorMng\_Per1\_CwEOT\_HwDeg\_f3$   | 2 target_EOTActuatorMng_Per1_CwEOT_Hw                        | Deg_f32                   |        |
| $target\_Rte\_Inst\_Ap\_EOTActuatorMng.EOTActuatorMng\_Per1\_CwFound\_Cnt\_Igc$  | target_EOTActuatorMng_Per1_CwFound_C                         | nt_lgc                    |        |
| $target\_Rte\_Inst\_Ap\_EOTActuatorMng.EOTActuatorMng\_Per1\_EOTDisable\_Cnt\_logerstarget and the property of the pr$   | target_EOTActuatorMng_Per1_EOTDisable                        | _Cnt_lgc                  |        |
| $target\_Rte\_Inst\_Ap\_EOTActuatorMng.EOTActuatorMng\_Per1\_HandWheelAuth\_United States and the property of the pr$  | target_EOTActuatorMng_Per1_HandWheel                         | Auth_Uls_f32              |        |
| $target\_Rte\_Inst\_Ap\_EOTActuatorMng.EOTActuatorMng\_Per1\_HandWheelPos\_Hvertige Ap\_EOTActuatorMng\_Per1\_HandWheelPos\_Hvertige Ap\_EOTActuatorMng\_Per1\_HandWheelPos$   | target_EOTActuatorMng_Per1_HandWheell                        | Pos_HwDeg_f32             |        |
| $target\_Rte\_Inst\_Ap\_EOTActuatorMng.EOTActuatorMng\_Per1\_HwTorque\_HwNm\_Inst_Ap\_EOTActuatorMng\_Per1\_HwTorque\_HwNm_Inst_Ap\_EOTActuatorMng\_Per1\_HwTorque\_HwNm_Inst_Ap\_EOTActuatorMng\_Per1\_HwTorque\_HwNm_Inst_Ap\_EOTActuatorMng\_Per1\_HwTorque\_HwNm_Inst_Ap\_EOTActuatorMng\_Per1\_HwTorque\_HwNm_Inst_Ap\_EOTActuatorMng\_Per1\_HwTorque\_HwNm_Inst_Ap\_EOTActuatorMng\_Per1\_HwTorque\_HwNm_Inst_Ap\_EOTActuatorMng\_Per1\_HwTorque\_HwNm_Inst_Ap\_EOTActuatorMng\_Per1\_HwTorque\_HwNm_Inst_Ap\_EOTActuatorMng\_Per1\_HwTorque\_HwNm_Inst_Ap\_EOTActuatorMng\_Per1\_HwTorque\_HwNm_Inst_Ap\_EOTActuatorMng\_Per1\_HwTorque\_HwMInst_Ap\_EOTActuatorMng\_Per1\_HwTorque\_HwMInst_Ap\_EOTActuatorMng\_Per1\_HwTorque\_HwMInst_Ap\_EOTActuatorMng\_Per1\_HwTorque\_HwMInst_Ap_EOTActuatorMng\_Per1\_HwMInst_Ap_EOTActuatorMng\_Per1\_HwMInst_Ap_EOTActuatorMng\_Per1\_HwMInst_Ap_EOTActuatorMng\_Per1\_HwMInst_Ap_EOTActuatorMng\_Per1\_HwMInst_Ap_EOTActuatorMng\_Per1\_HwMInst_Ap_EOTActuatorMng\_Per1\_HwMInst_Ap_EOTActuatorMng\_Per1\_HwMInst_Ap_EOTAct$ | f target_EOTActuatorMng_Per1_HwTorque_I                      | HwNm_f32                  |        |
| $target\_Rte\_Inst\_Ap\_EOTActuatorMng.EOTActuatorMng\_Per1\_MotorVel\_MtrRadpStarter(Mathematical Control of the Con$  | target_EOTActuatorMng_Per1_MotorVel_M                        | trRadpS_f32               |        |
| $target\_Rte\_Inst\_Ap\_EOTActuatorMng.EOTActuatorMng\_Per1\_OutputRampMultLtdt$   | ultLtd_ target_EOTActuatorMng_Per1_OutputRampMultLtd_Uls_f32 |                           |        |
| target Rte Inst Ap EOTActuatorMng.EOTActuatorMng Per1 VehicleSpeed Kph   | Kph target_EOTActuatorMng_Per1_VehicleSpeed_Kph_f32          |                           |        |
| Name   | Actual Value   | Expected Value            | Result |
| EOTActuatorMng_Damping_MtrNm_M_f32   | 5.89201975   | 5.89202023 ± 0.0000390625 | ~      |
| EOTActuatorMng_EOTImpactPos_HwDeg_M_f32  | 485  | 485 ± 0.0000390625        | ~      |

| 14ume   | Actual Value | Expedica value             | Result   |
|---|--------------|----------------------------|----------|
| EOTActuatorMng_Damping_MtrNm_M_f32                          | 5.89201975   | 5.89202023 ± 0.0000390625  | <b>✓</b> |
| EOTActuatorMng_EOTImpactPos_HwDeg_M_f32                     | 485          | 485 ± 0.0000390625         | <b>✓</b> |
| EOTActuatorMng_FiltEOTGainSV_HwNm_M_u1p31                   | 1201147813   | 1201147813 ± 1             | ~        |
| EOTActuatorMng_FiltHWTrqSV_HwNm_M_s7p24                     | 360808       | 360808 ± 1                 | ~        |
| EOTActuatorMng_OutputRampMultLtd_M_f32                      | 0.136000007  | 0.136000007 ± 0.00390625   | ~        |
| EOTActuatorMng_PrevEOTGain_Uls_M_f32                        | 0.559326172  | 0.559326172 ± 0.0625       | <b>✓</b> |
| EOTActuatorMng_SESState_Uls_M_enum                          | SES_DISABLED | SES_DISABLED               | ~        |
| target_EOTActuatorMng_Per1_AssistEOTDamping_MtrNm_f32.value | 5.89201975   | 5.89202023 ± 0.00048828125 | <b>✓</b> |
| target_EOTActuatorMng_Per1_AssistEOTGain_Uls_f32.value      | 0.559326172  | 0.559326172 ± 0.0000390625 | ~        |
| target_EOTActuatorMng_Per1_AssistEOTLimit_MtrNm_f32.value   | 0            | 0 ± 0.00048828125          | ~        |
|   |              |                            |          |

| T  |       |  |       | <b>✓</b> |
|--|-------|--|-------|----------|
| Actual Function                                    | Count | Expected Function                                  | Count | Result   |
| Rte_Call_EOTActuatorMng_Per1_CP0_CheckpointReached | 1     | Rte_Call_EOTActuatorMng_Per1_CP0_CheckpointReached | 1     | ~        |
| EOTDetermination                                   | 1     | EOTDetermination                                   | 1     | ~        |
| EOTOrigImpact                                      | 1     | EOTOrigImpact                                      | 1     | •        |
| IntplVarXY_u16_u16Xu16Y_Cnt                        | 1     | IntplVarXY_u16_u16Xu16Y_Cnt                        | 1     | •        |
| SES_DetLmtPos                                      | 1     | SES_DetLmtPos                                      | 1     | ~        |
| SES_CalcExitGain                                   | 1     | SES_CalcExitGain                                   | 1     | ~        |
| IntplVarXY_u16_u16Xu16Y_Cnt                        | 1     | IntplVarXY_u16_u16Xu16Y_Cnt                        | 1     | ~        |
| SES_CalcEnterGain                                  | 1     | SES_CalcEnterGain                                  | 1     | ~        |
| BilinearXMYM_u16_u16XMu16YM_Cnt                    | 1     | BilinearXMYM_u16_u16XMu16YM_Cnt                    | 1     | ~        |
| SES_CalcEOTGain                                    | 1     | SES_CalcEOTGain                                    | 1     | ~        |
| SES_FiltEOTGain                                    | 1     | SES_FiltEOTGain                                    | 1     | ~        |
| SES_CalcEOTDamp                                    | 1     | SES_CalcEOTDamp                                    | 1     | •        |
| BilinearXMYM_u16_u16XMu16YM_Cnt                    | 1     | BilinearXMYM_u16_u16XMu16YM_Cnt                    | 1     | ~        |
| SES_StateCtrl                                      | 1     | SES_StateCtrl                                      | 1     | ~        |
| Rte_Call_EOTActuatorMng_Per1_CP1_CheckpointReached | 1     | Rte_Call_EOTActuatorMng_Per1_CP1_CheckpointReached | 1     | ~        |

| Test Step 2.38 (Repeat Count = 1)         |             | ✓ |
|---|-------------|---|
| Name                                      | Input Value |   |
| EOTActuatorMng_Damping_MtrNm_M_f32        | 6.4000001   |   |
| EOTActuatorMng_EOTImpactPos_HwDeg_M_f32   | 123.459999  |   |
| EOTActuatorMng_FiltEOTGainSV_HwNm_M_u1p31 | 1073741824  |   |
| EOTActuatorMng_FiltHWTrqSV_HwNm_M_s7p24   | 18454938    |   |

EOTActuatorMng\_Per1

2015-06-29, 18:31:27+0530



| EOTACIDATIONING_PerT   |                                   |  |
|--|-----------------------------------|--|
| Name   | Input Value                       |  |
| EOTActuatorMng_PrevEOTGain_Uls_M_f32   | 0.69999988                        |  |
| EOTActuatorMng_SESState_Uls_M_enum   | SES_ENTERING                      |  |
| Rte_Inst_Ap_EOTActuatorMng   | target_Rte_Inst_Ap_EOTActuatorMng |  |
| c_EOTActiveRegionBypassMaxThresh_Uls_f32   | 0.395999998                       |  |
| c_EOTDefltPosition_HwDeg_u12p4   | 11088                             |  |
| c_EOTDeltaTrqThrsh_HwNm_u9p7   | 512                               |  |
| z_EOTDynConf_Uls_u8p8  | 0                                 |  |
| z_EOTEnterLPFKn_Cnt_u16  | 5555                              |  |
| c_EOTExitLPFKn_Cnt_u16   | 2647                              |  |
| c_EOTImpSpdEn_Kph_u9p7   | 4736                              |  |
| c_EOTOriginalImpactandSoftEnd_Cnt_lgc  | 1                                 |  |
| _EOTPosDepDempFinalSlew_MtrNmpS_T_f32  | 158.039993                        |  |
| _EOTStateHwTrqLPFKn_Cnt_u16  | 3647                              |  |
| _MaxRackTrvl_HwDeg_u12p4   | 2464                              |  |
| _MinRackTrvl_HwDeg_u12p4   | 15280                             |  |
| _PosRampStep_HwDeg_u12p4   | 3920                              |  |
| _SoftStopEOTEnable_Cnt_lgc   | 1                                 |  |
| _SpdIptScale_MtrNmpRadpS_u4p12   | 93                                |  |
| 2 EOTEnterGainX HwDeg u12p4[0][0]  | 1296                              |  |
| P_EOTEnterGainX_HwDeg_u12p4[0][1]  | 3872                              |  |
| 2_EOTEnterGainX_HwDeg_u12p4[0][2]  | 3888                              |  |
| 2_EOTEnterGainX_HwDeg_u12p4[0][3]  | 3904                              |  |
| 2_EOTEnterGainX_HwDeg_u12p4[1][0]  | 3056                              |  |
| 2_EOTEnterGainX_HwDeg_u12p4[1][1]  | 9152                              |  |
| 2_EOTEnterGainX_HwDeg_u12p4[1][2]  | 9168                              |  |
| 2_EOTEINEIGainX_HwDeg_u12p4[1][2]<br>2_EOTEINEIGainX_HwDeg_u12p4[1][3]                     | 9184                              |  |
| 2_EOTEINEIGaIIX_HwDeg_u12p4[1][3]  | 688                               |  |
| 2_EOTEnterGainX_nwbeg_u12p4[2][0]<br>2_EOTEnterGainX_nwbeg_u12p4[2][1]                     | 2048                              |  |
|  |                                   |  |
| 2_EOTEnterGainX_HwDeg_u12p4[2][2]  | 2064                              |  |
| 2_EOTEnterGainX_HwDeg_u12p4[2][3]  | 2080                              |  |
| 2_EOTEnterGainX_HwDeg_u12p4[3][0]  | 1392                              |  |
| 2_EOTEnterGainX_HwDeg_u12p4[3][1]  | 4160                              |  |
| 2_EOTEnterGainX_HwDeg_u12p4[3][2]  | 4176                              |  |
| 2_EOTEnterGainX_HwDeg_u12p4[3][3]  | 4192                              |  |
| 2_EOTEnterGainY_Uls_u1p15[0][0]  | 6                                 |  |
| 2_EOTEnterGainY_Uls_u1p15[0][1]  | 7                                 |  |
| 2_EOTEnterGainY_Uls_u1p15[0][2]  | 59                                |  |
| 2_EOTEnterGainY_Uls_u1p15[0][3]  | 573                               |  |
| 2_EOTEnterGainY_Uls_u1p15[1][0]  | 6                                 |  |
| 2_EOTEnterGainY_Uls_u1p15[1][1]  | 7                                 |  |
| 2_EOTEnterGainY_Uls_u1p15[1][2]  | 59                                |  |
| 2_EOTEnterGainY_Uls_u1p15[1][3]  | 573                               |  |
| 2_EOTEnterGainY_Uls_u1p15[2][0]  | 7                                 |  |
| 2_EOTEnterGainY_Uls_u1p15[2][1]  | 8                                 |  |
| 2_EOTEnterGainY_Uls_u1p15[2][2]  | 88                                |  |
| 2_EOTEnterGainY_Uls_u1p15[2][3]  | 859                               |  |
| 2_EOTEnterGainY_Uls_u1p15[3][0]  | 573                               |  |
| 2_EOTEnterGainY_Uls_u1p15[3][1]  | 59                                |  |
| 2_EOTEnterGainY_Uls_u1p15[3][2]  | 6                                 |  |
| 2 EOTEnterGainY Uls u1p15[3][3]  | 7                                 |  |
| 2_EOTEMEIGain1_ois_u1p13[3][3]  2_EOTExPosDepDmpTblY_MtrNmpRadps_u0p16[0][0]               | 183                               |  |
| 2_EOTEXPosDepDmpTblY_MtrNmpRadps_u0p16[0][1]   | 259                               |  |
| 2_EOTExPosDepDmpTblY_MtrNmpRadps_u0p16[1][0]   | 122                               |  |
| 2_EOTEXPOSDEpDmp1bi1_MitNimpRadps_u0p16[1][0] 2_EOTEXPosDepDmpTbiY_MtrNmpRadps_u0p16[1][1] | 173                               |  |
|  | 137                               |  |
| P_EOTExPosDepDmpTblY_MtrNmpRadps_u0p16[2][0]   |                                   |  |
| 2_EOTExPosDepDmpTblY_MtrNmpRadps_u0p16[2][1]   | 194                               |  |
| 2_EOTExPosDepDmpTblY_MtrNmpRadps_u0p16[3][0]   | 168                               |  |
| P_EOTExPosDepDmpTblY_MtrNmpRadps_u0p16[3][1]   | 237                               |  |
| P_EOTPosDepDmpTblX_HwDeg_u12p4[0][0]   | 816                               |  |
| 2_EOTPosDepDmpTblX_HwDeg_u12p4[0][1]   | 1200                              |  |
| P_EOTPosDepDmpTbIX_HwDeg_u12p4[1][0]   | 960                               |  |
| P_EOTPosDepDmpTblX_HwDeg_u12p4[1][1]   | 1344                              |  |
| P_EOTPosDepDmpTblX_HwDeg_u12p4[2][0]   | 672                               |  |
| P_EOTPosDepDmpTblX_HwDeg_u12p4[2][1]   | 1056                              |  |
| 2_EOTPosDepDmpTblX_HwDeg_u12p4[3][0]   | 896                               |  |
| 2_EOTPosDepDmpTbIX_HwDeg_u12p4[3][1]   | 4144                              |  |
| P_EOTPosDepDmpTblY_MtrNmpRadpS_u0p16[0][0]   | 45                                |  |
| 2_EOTPosDepDmpTblY_MtrNmpRadpS_u0p16[0][1]   | 102                               |  |
| 2_EOTPosDepDmpTblY_MtrNmpRadpS_u0p16[1][0]   | 304                               |  |
| 2_EOTPosDepDmpTblY_MtrNmpRadpS_u0p16[1][1]   | 431                               |  |
| 2_EOTPosDepDmpTblY_MtrNmpRadpS_u0p16[2][0]   | 153                               |  |
| 2_EOTPosDepDmpTblY_MtrNmpRadpS_u0p16[2][1]   | 216                               |  |
|  | 74                                |  |

EOTActuatorMng Per1

2015-06-29, 18:31:27+0530



Input Value t2 EOTPosDepDmpTblY MtrNmpRadpS u0p16[3][1] 105 8576  $t\_EOTDmpVspd\_Kph\_u9p7[0]$ t EOTDmpVspd Kph\_u9p7[1] 25600 t\_EOTDmpVspd\_Kph\_u9p7[2] 25728 t EOTDmpVspd Kph u9p7[3] 25856 t\_EOTEnterGainVspd\_Kph\_u9p7[0] 8576 t\_EOTEnterGainVspd\_Kph\_u9p7[1] 25600  $t\_EOTEnterGainVspd\_Kph\_u9p7[2]$ 25728 t\_EOTEnterGainVspd\_Kph\_u9p7[3] 25856 t\_SpdlptTblXTbl\_HwDeg\_u12p4[0] 432 t\_SpdIptTbIXTbI\_HwDeg\_u12p4[1] 816 t SpdlptTblYTbl MtrRadpS u12p4[0] 752 t\_SpdlptTblYTbl\_MtrRadpS\_u12p4[1] 1136 t\_TrqTableX\_HwNm\_u8p8[0] 1024 t\_TrqTableX\_HwNm\_u8p8[1] 1280 t TrqTblY Uls u2p14[0] 541 t\_TrqTblY\_Uls\_u2p14[1] 623 target\_EOTActuatorMng\_Per1\_CcwEOT\_HwDeg\_f32.value -999.640991  $target\_EOTActuatorMng\_Per1\_CcwFound\_Cnt\_lgc.value$ target\_EOTActuatorMng\_Per1\_CwEOT\_HwDeg\_f32.value 898.314026 target\_EOTActuatorMng\_Per1\_CwFound\_Cnt\_lgc.value target\_EOTActuatorMng\_Per1\_EOTDisable\_Cnt\_lgc.value target\_EOTActuatorMng\_Per1\_HandWheelAuth\_Uls\_f32.value 0.922999978 target\_EOTActuatorMng\_Per1\_HandWheelPos\_HwDeg\_f32.value 660.054016 0.330000013  $target\_EOTActuatorMng\_Per1\_HwTorque\_HwNm\_f32.value$  $target\_EOTActuatorMng\_Per1\_MotorVel\_MtrRadpS\_f32.value$ -450 target\_EOTActuatorMng\_Per1\_OutputRampMultLtd\_Uls\_f32.value 0.754000008 target\_EOTActuatorMng\_Per1\_VehicleSpeed\_Kph\_f32.value 17.7989998

target\_Rte\_Inst\_Ap\_EOTActuatorMng\_EOTActuatorMng\_Per1\_AssistEOTGain\_Uls\_target\_Rte\_Inst\_Ap\_EOTActuatorMng\_EOTActuatorMng\_Per1\_AssistEOTLimit\_Mtr1 target\_EOTActuatorMng\_Per1\_AssistEOTLimit\_Mtr1 target\_EOTActuatorMng\_Per1\_AssistEOTLimit\_Mtr1 target\_EOTActuatorMng\_Per1\_AssistEOTLimit\_Mtr1 target\_EOTActuatorMng\_Per1\_AssistEOTLimit\_Mtr1 target\_EOTActuatorMng\_Per1\_AssistEOTLimit\_Mtr1Nm\_f32 target\_Rte\_Inst\_Ap\_EOTActuatorMng\_Per1\_CcwEOT\_HwDeg\_f32 target\_Rte\_Inst\_Ap\_EOTActuatorMng\_Per1\_CcwFound\_Cnt\_Igc target\_Rte\_Inst\_Ap\_EOTActuatorMng\_EOTActuatorMng\_Per1\_CwFound\_Cnt\_Igc target\_Rte\_Inst\_Ap\_EOTActuatorMng\_EOTActuatorMng\_Per1\_EOTDisable\_Cnt\_Igc target\_Rte\_Inst\_Ap\_EOTActuatorMng\_EOTActuatorMng\_Per1\_HandWheelPos\_HwDeg\_f32 target\_Rte\_Inst\_Ap\_EOTActuatorMng\_EOTActuatorMng\_Per1\_HandWheelPos\_HwDeg\_f32 target\_Rte\_Inst\_Ap\_EOTActuatorMng\_EOTActuatorMng\_Per1\_HandWheelPos\_HwDeg\_f32 target\_Rte\_Inst\_Ap\_EOTActuatorMng\_EOTActuatorMng\_Per1\_HwTorque\_HwNm\_f1 target\_EOTActuatorMng\_Per1\_HandWheelPos\_HwDeg\_f32 target\_Rte\_Inst\_Ap\_EOTActuatorMng\_EOTActuatorMng\_Per1\_HwTorque\_HwNm\_f1 target\_EOTActuatorMng\_Per1\_HwTorque\_HwNm\_f32 target\_Rte\_Inst\_Ap\_EOTActuatorMng\_EOTActuatorMng\_Per1\_MotorVel\_MtrRadpS\_f32 target\_Rte\_Inst\_Ap\_EOTActuatorMng\_EOTActuatorMng\_Per1\_OutputRampMullttd\_Uls\_f32 target\_Rte\_Inst\_Ap\_EOTActuatorMng\_EOTActuatorMng\_Per1\_OutputRampMullttd\_Uls\_f32 target\_Rte\_Inst\_Ap\_EOTActuatorMng\_EOTActuatorMng\_Per1\_OutputRampMullttd\_Uls\_f32 target\_Rte\_Inst\_Ap\_EOTActuatorMng\_EOTActuatorMng\_Per1\_OutputRampMullttd\_Uls\_f32 target\_Rte\_Inst\_Ap\_EOTActuatorMng\_EOTActuatorMng\_Per1\_OutputRampMullttd\_Uls\_f32 target\_Rte\_Inst\_Ap\_EOTActuatorMng\_EOTActuatorMng\_Per1\_OutputRampMullttd\_Uls\_f32 target\_Rte\_Inst\_Ap\_EOTActuatorMng\_EOTActuatorMng\_Per1\_OutputRampMullttd\_Uls\_f32 target\_Rte\_Inst\_Ap\_EOTActuatorMng\_EOTActuatorMng\_Per1\_VelpicleSpeed\_Kph\_f32 target\_Rte\_Inst\_Ap\_EOTActuatorMng\_EOTActuatorMng\_Per1\_VelpicleSpeed\_Kph\_f32 target\_Rte\_Inst\_Ap\_EOTActuatorMng\_EOTActuatorMng\_Per1\_VelpicleSpeed\_Kph\_f32 target\_Rte\_Inst\_Ap\_EOTActuatorMng\_EOTActuatorMng\_Per1\_VelpicleSpeed\_Kph\_

target\_Rte\_Inst\_Ap\_EOTActuatorMng.EOTActuatorMng\_Per1\_AssistEOTDamping\_ target\_EOTActuatorMng\_Per1\_AssistEOTDamping\_MtrNm\_f32

| target Rie list Ap LOTActuatoriving.LOTActuatoriving Ferr VericleSpeed Rpin | target_LOTActuatoriving_Feri_verilcleopeer | u_Rpii_i32                 |        |
|---|--|----------------------------|--------|
| Name  | Actual Value                               | Expected Value             | Result |
| EOTActuatorMng_Damping_MtrNm_M_f32  | 6.08392                                    | 6.08392 ± 0.0000390625     | ~      |
| EOTActuatorMng_EOTImpactPos_HwDeg_M_f32                                     | 693  | 693 ± 0.0000390625         | ~      |
| EOTActuatorMng_FiltEOTGainSV_HwNm_M_u1p31                                   | 985911719                                  | 985911719 ± 1              | ~      |
| EOTActuatorMng_FiltHWTrqSV_HwNm_M_s7p24                                     | 17736479                                   | 17736479 ± 1               | ~      |
| EOTActuatorMng_OutputRampMultLtd_M_f32                                      | 0.754000008                                | 0.754000008 ± 0.00390625   | ~      |
| EOTActuatorMng_PrevEOTGain_Uls_M_f32  | 0.459075928                                | 0.459075928 ± 0.0625       | ~      |
| EOTActuatorMng_SESState_Uls_M_enum  | SES_NORMAL                                 | SES_NORMAL                 | ~      |
| target_EOTActuatorMng_Per1_AssistEOTDamping_MtrNm_f32.value                 | 6.08392                                    | 6.08392 ± 0.00048828125    | ~      |
| target_EOTActuatorMng_Per1_AssistEOTGain_Uls_f32.value                      | 0.459075928                                | 0.459075928 ± 0.0000390625 | ~      |
| target_EOTActuatorMng_Per1_AssistEOTLimit_MtrNm_f32.value                   | 0  | 0 ± 0.00048828125          | ~      |

| Т  |       |  |       | V        |
|--|-------|--|-------|----------|
| Actual Function                                    | Count | Expected Function                                  | Count | Result   |
| Rte_Call_EOTActuatorMng_Per1_CP0_CheckpointReached | 1     | Rte_Call_EOTActuatorMng_Per1_CP0_CheckpointReached | 1     | •        |
| EOTDetermination                                   | 1     | EOTDetermination                                   | 1     | •        |
| EOTOrigImpact                                      | 1     | EOTOrigImpact                                      | 1     | •        |
| IntplVarXY_u16_u16Xu16Y_Cnt                        | 1     | IntplVarXY_u16_u16Xu16Y_Cnt                        | 1     | •        |
| SES_DetLmtPos                                      | 1     | SES_DetLmtPos                                      | 1     | <b>~</b> |
| SES_CalcExitGain                                   | 1     | SES_CalcExitGain                                   | 1     | •        |
| IntplVarXY_u16_u16Xu16Y_Cnt                        | 1     | IntplVarXY_u16_u16Xu16Y_Cnt                        | 1     | <b>~</b> |
| SES_CalcEnterGain                                  | 1     | SES_CalcEnterGain                                  | 1     | •        |
| BilinearXMYM_u16_u16XMu16YM_Cnt                    | 1     | BilinearXMYM_u16_u16XMu16YM_Cnt                    | 1     | <b>~</b> |
| SES_CalcEOTGain                                    | 1     | SES_CalcEOTGain                                    | 1     | ~        |
| SES_FiltEOTGain                                    | 1     | SES_FiltEOTGain                                    | 1     | <b>~</b> |
| SES_CalcEOTDamp                                    | 1     | SES_CalcEOTDamp                                    | 1     | <b>✓</b> |
| BilinearXMYM_u16_u16XMu16YM_Cnt                    | 1     | BilinearXMYM_u16_u16XMu16YM_Cnt                    | 1     | <b>~</b> |
| SES_StateCtrl                                      | 1     | SES_StateCtrl                                      | 1     | •        |
| IntplVarXY_u16_u16Xu16Y_Cnt                        | 2     | IntplVarXY_u16_u16Xu16Y_Cnt                        | 2     | ~        |
| Rte_Call_EOTActuatorMng_Per1_CP1_CheckpointReached | 1     | Rte_Call_EOTActuatorMng_Per1_CP1_CheckpointReached | 1     | ~        |



| Test Step 2.39 (Repeat Count = 1)   |                                   |
|---|-----------------------------------|
| Name  | Input Value                       |
| EOTActuatorMng_Damping_MtrNm_M_f32  | 6.5999999                         |
| EOTActuatorMng_EOTImpactPos_HwDeg_M_f32   | 897.97998                         |
| EOTActuatorMng_FiltEOTGainSV_HwNm_M_u1p31   | 858993459                         |
| EOTActuatorMng_FiltHWTrqSV_HwNm_M_s7p24   | -18454937                         |
| EOTActuatorMng_PrevEOTGain_Uls_M_f32  | 0.600000024                       |
| EOTActuatorMng_SESState_Uls_M_enum  | SES_NORMAL                        |
| Rte_Inst_Ap_EOTActuatorMng  | target_Rte_Inst_Ap_EOTActuatorMng |
| k_EOTActiveRegionBypassMaxThresh_Uls_f32  | 0.331                             |
| k_EOTDefltPosition_HwDeg_u12p4  | 11104                             |
| k_EOTDeltaTrqThrsh_HwNm_u9p7  | 384                               |
| k_EOTDynConf_Uls_u8p8   | 38400                             |
| k_EOTEnterLPFKn_Cnt_u16   | 6666                              |
| k_EOTExitLPFKn_Cnt_u16  | 8665                              |
| k_EOTImpSpdEn_Kph_u9p7  | 4864                              |
| k_EOTDopDopDopDopDopDopDopDopDopDopDopDopDopD   | 162.089996                        |
| k_EOTPosDepDempFinalSlew_MtrNmpS_T_f32<br>k_EOTStateHwTrqLPFKn_Cnt_u16                      | 2789                              |
| k_MaxRackTrvl_HwDeg_u12p4   | 2480                              |
| k MinRackTrvI HwDeg_u12p4   | 13696                             |
| k PosRampStep HwDeg u12p4   | 12256                             |
| k_SoftStopEOTEnable_Cnt_lgc   | 0                                 |
| k_SpdIptScale_MtrNmpRadpS_u4p12   | 93                                |
| t2_EOTEnterGainX_HwDeg_u12p4[0][0]  | 1312                              |
| t2_EOTEnterGainX_HwDeg_u12p4[0][1]  | 3920                              |
| t2_EOTEnterGainX_HwDeg_u12p4[0][2]  | 3936                              |
| t2_EOTEnterGainX_HwDeg_u12p4[0][3]  | 3952                              |
| t2_EOTEnterGainX_HwDeg_u12p4[1][0]  | 3072                              |
| t2_EOTEnterGainX_HwDeg_u12p4[1][1]  | 9200                              |
| t2_EOTEnterGainX_HwDeg_u12p4[1][2]  | 9216                              |
| t2_EOTEnterGainX_HwDeg_u12p4[1][3]  | 9232                              |
| t2_EOTEnterGainX_HwDeg_u12p4[2][0]  | 704                               |
| t2_EOTEnterGainX_HwDeg_u12p4[2][1]  | 2096                              |
| t2_EOTEnterGainX_HwDeg_u12p4[2][2]  | 2112                              |
| t2_EOTEnterGainX_HwDeg_u12p4[2][3]  | 2128                              |
| t2_EOTEnterGainX_HwDeg_u12p4[3][0]  | 1408                              |
| t2_EOTEnterGainX_HwDeg_u12p4[3][1]  | 4208                              |
| t2_EOTEnterGainX_HwDeg_u12p4[3][2]  | 4224                              |
| t2_EOTEnterGainX_HwDeg_u12p4[3][3]<br>t2_EOTEnterGainY_Uls_u1p15[0][0]                      | 4240<br>6                         |
| t2_EOTEnterGainT_UIs_u1p15[0][0] t2_EOTEnterGainY_UIs_u1p15[0][1]                           | 7                                 |
| t2 EOTEnterGainY Uls u1p15[0][2]  | 69                                |
| t2_EOTEnterGainY_Uls_u1p15[0][3]  | 668                               |
| t2_EOTEnterGainY_Uls_u1p15[1][0]  | 6                                 |
| t2_EOTEnterGainY_Uls_u1p15[1][1]  | 7                                 |
| t2 EOTEnterGainY Uls u1p15[1][2]  | 69                                |
| t2_EOTEnterGainY_Uls_u1p15[1][3]  | 668                               |
| t2_EOTEnterGainY_Uls_u1p15[2][0]  | 7                                 |
| t2_EOTEnterGainY_Uls_u1p15[2][1]  | 8                                 |
| t2_EOTEnterGainY_Uls_u1p15[2][2]  | 98                                |
| t2_EOTEnterGainY_Uls_u1p15[2][3]  | 954                               |
| t2_EOTEnterGainY_Uls_u1p15[3][0]  | 288                               |
| t2_EOTEnterGainY_Uls_u1p15[3][1]  | 29                                |
| t2_EOTEnterGainY_Uls_u1p15[3][2]  | 5                                 |
| t2_EOTEnterGainY_Uls_u1p15[3][3]  | 6                                 |
| t2_EOTExPosDepDmpTblY_MtrNmpRadps_u0p16[0][0]   | 198                               |
| t2_EOTExPosDepDmpTblY_MtrNmpRadps_u0p16[0][1]   | 280                               |
| t2_EOTExPosDepDmpTblY_MtrNmpRadps_u0p16[1][0]   | 137                               |
| t2_EOTExPosDepDmpTblY_MtrNmpRadps_u0p16[1][1]   | 194<br>153                        |
| t2_EOTExPosDepDmpTblY_MtrNmpRadps_u0p16[2][0] t2_EOTExPosDepDmpTblY_MtrNmpRadps_u0p16[2][1] | 216                               |
| t2_EOTExPosDepDmpTblY_MtrNmpRadps_u0p16[3][0]   | 183                               |
| t2_EOTEXPOSDepDmpTblY_MtrNmpRadps_u0p16[3][0]   | 259                               |
| t2_EOTEXF0SDepDmpTblX_HwDeg_u12p4[0][0]   | 832                               |
| t2_EOTPosDepDmpTblX_HwDeg_u12p4[0][1]   | 1216                              |
| t2_EOTPosDepDmpTbIX_HwDeg_u12p4[1][0]   | 976                               |
| t2_EOTPosDepDmpTbIX_HwDeg_u12p4[1][1]   | 1360                              |
| t2_EOTPosDepDmpTbIX_HwDeg_u12p4[2][0]   | 688                               |
|   |                                   |
| t2_EOTPosDepDmpTbIX_HwDeg_u12p4[2][1]   | 1072                              |

2015-06-29, 18:31:27+0530



EOTActuatorMng\_Per1

| EOTActuatoriving_Per i  |  |                            | MACILIA |
|---|--|----------------------------|---------|
| Name  | Input Value                              |                            |         |
| t2 EOTPosDepDmpTblX HwDeg u12p4[3][1]   | 4160                                     |                            |         |
| t2_EOTPosDepDmpTblY_MtrNmpRadpS_u0p16[0][0]   | 17                                       |                            |         |
| t2_EOTPosDepDmpTblY_MtrNmpRadpS_u0p16[0][1]   | 122                                      |                            |         |
| t2 EOTPosDepDmpTblY MtrNmpRadpS u0p16[1][0]   | 319                                      |                            |         |
| t2 EOTPosDepDmpTblY MtrNmpRadpS u0p16[1][1]   | 452                                      |                            |         |
| t2_EOTPosDepDmpTblY_MtrNmpRadpS_u0p16[2][0]   | 12                                       |                            |         |
| t2_EOTPosDepDmpTblY_MtrNmpRadpS_u0p16[2][1]   | 88                                       |                            |         |
| t2_EOTPosDepDmpTblY_MtrNmpRadpS_u0p16[3][0]   | 76                                       |                            |         |
| t2_EOTPosDepDmpTblY_MtrNmpRadpS_u0p16[3][1]   | 108                                      |                            |         |
| t EOTDmpVspd Kph u9p7[0]  | 8704                                     |                            |         |
| t_EOTDmpVspd_Kph_u9p7[1]  | 25984                                    |                            |         |
| t EOTDmpVspd Kph u9p7[2]  | 26112                                    |                            |         |
| t_EOTDmpVspd_Kph_u9p7[3]  | 26240                                    |                            |         |
|   |  |                            |         |
| t_EOTEnterGainVspd_Kph_u9p7[0]  | 8704                                     |                            |         |
| t_EOTEnterGainVspd_Kph_u9p7[1]  | 25984                                    |                            |         |
| t_EOTEnterGainVspd_Kph_u9p7[2]  | 26112                                    |                            |         |
| t_EOTEnterGainVspd_Kph_u9p7[3]  | 26240                                    |                            |         |
| t_SpdlptTblXTbl_HwDeg_u12p4[0]  | 448                                      |                            |         |
| t_SpdlptTblXTbl_HwDeg_u12p4[1]  | 832                                      |                            |         |
| t_SpdlptTblYTbl_MtrRadpS_u12p4[0]   | 768                                      |                            |         |
| t_SpdlptTblYTbl_MtrRadpS_u12p4[1]   | 1152                                     |                            |         |
| t_TrqTableX_HwNm_u8p8[0]  | 512                                      |                            |         |
| t_TrqTableX_HwNm_u8p8[1]  | 1024                                     |                            |         |
| t_TrqTbIY_UIs_u2p14[0]  | 557                                      |                            |         |
| t_TrqTblY_Uls_u2p14[1]  | 639                                      |                            |         |
| target_EOTActuatorMng_Per1_CcwEOT_HwDeg_f32.value   | -990.344971                              |                            |         |
| target_EOTActuatorMng_Per1_CcwFound_Cnt_lgc.value   | 1  |                            |         |
| target_EOTActuatorMng_Per1_CwEOT_HwDeg_f32.value  | 450.842987                               |                            |         |
| target_EOTActuatorMng_Per1_CwFound_Cnt_lgc.value  | 0  |                            |         |
| target_EOTActuatorMng_Per1_EOTDisable_Cnt_lgc.value   | 0  |                            |         |
| target_EOTActuatorMng_Per1_HandWheelAuth_Uls_f32.value  | 0.409999996                              |                            |         |
| target_EOTActuatorMng_Per1_HandWheelPos_HwDeg_f32.value   | -666.640015                              |                            |         |
| target_EOTActuatorMng_Per1_HwTorque_HwNm_f32.value  | -0.439999998                             |                            |         |
| target_EOTActuatorMng_Per1_MotorVel_MtrRadpS_f32.value  | 550                                      |                            |         |
| target_EOTActuatorMng_Per1_OutputRampMultLtd_Uls_f32.value  | 0.133000001                              |                            |         |
| target_EOTActuatorMng_Per1_VehicleSpeed_Kph_f32.value   | 18.4780006                               |                            |         |
| target_Rte_Inst_Ap_EOTActuatorMng.EOTActuatorMng_Per1_AssistEOTDamping  | g_ target_EOTActuatorMng_Per1_AssistEOTI | Damping_MtrNm_f32          |         |
| $target\_Rte\_Inst\_Ap\_EOTActuatorMng.EOTActuatorMng\_Per1\_AssistEOTGain\_Ultrackets and the property of the prope$   | s_ target_EOTActuatorMng_Per1_AssistEOT  | Gain_Uls_f32               |         |
| $target\_Rte\_Inst\_Ap\_EOTActuatorMng.EOTActuatorMng\_Per1\_AssistEOTLimit\_Mng\_Per1\_AssisTEOTLimit\_Mng\_Per$  | rt target_EOTActuatorMng_Per1_AssistEOTI | _imit_MtrNm_f32            |         |
| $target\_Rte\_Inst\_Ap\_EOTActuatorMng.EOTActuatorMng\_Per1\_CcwEOT\_HwDeg\_Per1\_CcwEOT\_HwD$ | f3 target_EOTActuatorMng_Per1_CcwEOT_F   | lwDeg_f32                  |         |
| $target\_Rte\_Inst\_Ap\_EOTActuatorMng.EOTActuatorMng\_Per1\_CcwFound\_Cnt\_Ignormal content and the property of the $  | target_EOTActuatorMng_Per1_CcwFound      | _Cnt_lgc                   |         |
| target Rte Inst Ap EOTActuatorMng.EOTActuatorMng Per1 CwEOT HwDeg f   | target_EOTActuatorMng_Per1_CwEOT_H       | wDeg_f32                   |         |
| $target\_Rte\_Inst\_Ap\_EOTActuatorMng.EOTActuatorMng\_Per1\_CwFound\_Cnt\_lgc$   | target_EOTActuatorMng_Per1_CwFound_      | Cnt_lgc                    |         |
| $target\_Rte\_Inst\_Ap\_EOTActuatorMng\_EOTActuatorMng\_Per1\_EOTD is able\_Cnt\_I$   | target_EOTActuatorMng_Per1_EOTDisable    | e_Cnt_lgc                  |         |
| $target\_Rte\_Inst\_Ap\_EOTActuatorMng.EOTActuatorMng\_Per1\_HandWheelAuth\_United States and States are also as a function of the content of the c$   | ls target_EOTActuatorMng_Per1_HandWhee   | IAuth_Uls_f32              |         |
| $target\_Rte\_Inst\_Ap\_EOTActuatorMng.EOTActuatorMng\_Per1\_HandWheelPos\_Headers = 0.0000000000000000000000000000000000$  | vl target_EOTActuatorMng_Per1_HandWhee   | IPos_HwDeg_f32             |         |
| $target\_Rte\_Inst\_Ap\_EOTActuatorMng.EOTActuatorMng\_Per1\_HwTorque\_HwNm_Per1\_HwTorque\_HwNm_Per1\_HwTorque\_HwNm_Per1\_HwTorque\_HwNm_Per1\_HwTorque\_HwNm_Per1\_HwTorque\_HwNm_Per1\_HwTorque\_HwNm_Per1\_HwTorque\_HwNm_Per1\_HwTorque\_HwNm_Per1\_HwTorque\_HwNm_Per1\_HwTorque\_HwNm_Per1\_HwTorque\_HwNm_Per1\_HwTorque\_HwNm_Per1\_HwTorque\_HwNm_Per1\_HwTorque\_HwNm_Per1\_HwTorque\_HwNm_Per1\_HwTorque\_HwNm_Per1\_HwTorque\_HwNm_Per1\_Hw$   | f target_EOTActuatorMng_Per1_HwTorque_   | HwNm_f32                   |         |
| $target\_Rte\_Inst\_Ap\_EOTActuatorMng.EOTActuatorMng\_Per1\_MotorVel\_MtrRadparter (Approximately a content of the c$   | s target_EOTActuatorMng_Per1_MotorVel_M  | /ltrRadpS_f32              |         |
| target_Rte_Inst_Ap_EOTActuatorMng.EOTActuatorMng_Per1_OutputRampMultLt  | d target_EOTActuatorMng_Per1_OutputRam   | pMultLtd_Uls_f32           |         |
| target_Rte_Inst_Ap_EOTActuatorMng.EOTActuatorMng_Per1_VehicleSpeed_Kph  | target_EOTActuatorMng_Per1_VehicleSpe    | ed_Kph_f32                 |         |
| Name  | Actual Value                             | Expected Value             | Result  |
| EOTActuatorMng Damping MtrNm M f32  | 6.27581978                               | 6.27581978 ± 0.0000390625  |         |
| EOTActuatorMng EOTImpactPos HwDeg M f32   | 694                                      | 694 ± 0.0000390625         |         |
| EOTActuatorMng_FiltEOTGainSV_HwNm_M_u1p31   | 771668859                                | 771668859 ± 1              |         |
| EOTActuatorMng_FiltHWTrqSV_HwNm_M_s7p24   | -17356071                                | -17356071 ± 1              | •       |
| EOTActuatorMng_OutputRampMultLtd_M_f32  | 0.133000001                              | 0.133000001 ± 0.00390625   |         |
| EOTActuatorMng PrevEOTGain Uls M f32  | 0.359313965                              | 0.359313965 ± 0.0625       |         |
| EOTActuatorMng SESState Uls M enum  | SES_DISABLED                             | SES DISABLED               |         |
| target EOTActuatorMng Per1 AssistEOTDamping MtrNm f32.value   | 6.27581978                               | 6.27581978 ± 0.00048828125 |         |
| target_EOTActuatorMng_Per1_AssistEOTGain_Lile_f32.value   | 0.27361976                               | 0.27361976 ± 0.00046626123 |         |

0.359313965

0

target\_EOTActuatorMng\_Per1\_AssistEOTGain\_Uls\_f32.value

target\_EOTActuatorMng\_Per1\_AssistEOTLimit\_MtrNm\_f32.value

0.359313965 ± 0.0000390625

0 ± 0.00048828125





| T  |       |  |       |          |
|--|-------|--|-------|----------|
| Actual Function                                    | Count | Expected Function                                  | Count | Result   |
| Rte_Call_EOTActuatorMng_Per1_CP0_CheckpointReached | 1     | Rte_Call_EOTActuatorMng_Per1_CP0_CheckpointReached | 1     | ~        |
| EOTDetermination                                   | 1     | EOTDetermination                                   | 1     | •        |
| EOTOrigImpact                                      | 1     | EOTOrigImpact                                      | 1     | ~        |
| IntplVarXY_u16_u16Xu16Y_Cnt                        | 1     | IntplVarXY_u16_u16Xu16Y_Cnt                        | 1     | •        |
| SES_DetLmtPos                                      | 1     | SES_DetLmtPos                                      | 1     | ~        |
| SES_CalcExitGain                                   | 1     | SES_CalcExitGain                                   | 1     | ~        |
| IntplVarXY_u16_u16Xu16Y_Cnt                        | 1     | IntplVarXY_u16_u16Xu16Y_Cnt                        | 1     | ~        |
| SES_CalcEnterGain                                  | 1     | SES_CalcEnterGain                                  | 1     | ~        |
| BilinearXMYM_u16_u16XMu16YM_Cnt                    | 1     | BilinearXMYM_u16_u16XMu16YM_Cnt                    | 1     | ~        |
| SES_CalcEOTGain                                    | 1     | SES_CalcEOTGain                                    | 1     | ~        |
| SES_FiltEOTGain                                    | 1     | SES_FiltEOTGain                                    | 1     | ~        |
| SES_CalcEOTDamp                                    | 1     | SES_CalcEOTDamp                                    | 1     | <b>✓</b> |
| BilinearXMYM_u16_u16XMu16YM_Cnt                    | 1     | BilinearXMYM_u16_u16XMu16YM_Cnt                    | 1     | ~        |
| SES_StateCtrl                                      | 1     | SES_StateCtrl                                      | 1     | ~        |
| Rte_Call_EOTActuatorMng_Per1_CP1_CheckpointReached | 1     | Rte_Call_EOTActuatorMng_Per1_CP1_CheckpointReached | 1     | ~        |

| Test Step 2.40 (Repeat Count = 1)         | ✓                                 |
|---|-----------------------------------|
| Name                                      | Input Value                       |
| EOTActuatorMng_Damping_MtrNm_M_f32        | 6.80000019                        |
| EOTActuatorMng_EOTImpactPos_HwDeg_M_f32   | 423.279999                        |
| EOTActuatorMng_FiltEOTGainSV_HwNm_M_u1p31 | 644245094                         |
| EOTActuatorMng FiltHWTrqSV HwNm M s7p24   | 33554432                          |
| EOTActuatorMng_PrevEOTGain_Uls_M_f32      | 0.5                               |
| EOTActuatorMng_SESState_Uls_M_enum        | SES DISABLED                      |
| Rte_Inst_Ap_EOTActuatorMng                | target_Rte_Inst_Ap_EOTActuatorMng |
| k EOTActiveRegionBypassMaxThresh Uls f32  | 0.0540000014                      |
| k EOTDefltPosition HwDeg u12p4            | 11120                             |
| k_EOTDeltaTrqThrsh_HwNm_u9p7              | 256                               |
| k_EOTDynConf_Uls_u8p8                     | 40960                             |
| k EOTEnterLPFKn Cnt u16                   | 7777                              |
| k_EOTExitLPFKn_Cnt_u16                    | 3658                              |
| k_EOTImpSpdEn_Kph_u9p7                    | 4992                              |
| k EOTOriginalImpactandSoftEnd Cnt lgc     | 1                                 |
| k_EOTPosDepDempFinalSlew_MtrNmpS_T_f32    | 166.139999                        |
| k_EOTStateHwTrqLPFKn_Cnt_u16              | 7337                              |
| k MaxRackTrvl HwDeg u12p4                 | 2496                              |
| k_MinRackTrvl_HwDeg_u12p4                 | 8544                              |
| k_PosRampStep_HwDeg_u12p4                 | 736                               |
| k_SoftStopEOTEnable_Cnt_lgc               | 1                                 |
| k_SpdlptScale_MtrNmpRadpS_u4p12           | 93                                |
| t2_EOTEnterGainX_HwDeg_u12p4[0][0]        | 1328                              |
| t2_EOTEnterGainX_HwDeg_u12p4[0][1]        | 3968                              |
| t2_EOTEnterGainX_HwDeg_u12p4[0][2]        | 3984                              |
| t2_EOTEnterGainX_HwDeg_u12p4[0][3]        | 4000                              |
| t2_EOTEnterGainX_HwDeg_u12p4[1][0]        | 3088                              |
| t2_EOTEnterGainX_HwDeg_u12p4[1][1]        | 9248                              |
| t2_EOTEnterGainX_HwDeg_u12p4[1][2]        | 9264                              |
| t2_EOTEnterGainX_HwDeg_u12p4[1][3]        | 9280                              |
| t2_EOTEnterGainX_HwDeg_u12p4[2][0]        | 720                               |
| t2_EOTEnterGainX_HwDeg_u12p4[2][1]        | 2144                              |
| t2_EOTEnterGainX_HwDeg_u12p4[2][2]        | 2160                              |
| t2_EOTEnterGainX_HwDeg_u12p4[2][3]        | 2176                              |
| t2_EOTEnterGainX_HwDeg_u12p4[3][0]        | 1424                              |
| t2_EOTEnterGainX_HwDeg_u12p4[3][1]        | 4256                              |
| t2_EOTEnterGainX_HwDeg_u12p4[3][2]        | 4272                              |
| t2_EOTEnterGainX_HwDeg_u12p4[3][3]        | 4288                              |
| t2_EOTEnterGainY_Uls_u1p15[0][0]          | 7                                 |
| t2_EOTEnterGainY_Uls_u1p15[0][1]          | 7                                 |
| t2_EOTEnterGainY_Uls_u1p15[0][2]          | 78                                |
| t2_EOTEnterGainY_Uls_u1p15[0][3]          | 763                               |
| t2_EOTEnterGainY_Uls_u1p15[1][0]          | 7                                 |
| t2_EOTEnterGainY_Uls_u1p15[1][1]          | 7                                 |
| t2_EOTEnterGainY_Uls_u1p15[1][2]          | 78                                |
| t2_EOTEnterGainY_Uls_u1p15[1][3]          | 763                               |
| t2_EOTEnterGainY_Uls_u1p15[2][0]          | 8                                 |
| t2_EOTEnterGainY_Uls_u1p15[2][1]          | 8                                 |
| t2_EOTEnterGainY_Uls_u1p15[2][2]          | 108                               |
| t2_EOTEnterGainY_Uls_u1p15[2][3]          | 1049                              |
|   |                                   |

2015-06-29, 18:31:27+0530



EOTActuatorMng\_Per1

|   |   |                           | 4 10 10  |
|---|---|---------------------------|----------|
| Name  | Input Value                             |                           |          |
| t2_EOTEnterGainY_Uls_u1p15[3][0]  | 383                                     |                           |          |
| t2_EOTEnterGainY_Uls_u1p15[3][1]  | 39                                      |                           |          |
| t2_EOTEnterGainY_Uls_u1p15[3][2]  | 5                                       |                           |          |
| t2_EOTEnterGainY_Uls_u1p15[3][3]  | 6                                       |                           |          |
| t2_EOTExPosDepDmpTblY_MtrNmpRadps_u0p16[0][0]   | 213                                     |                           |          |
| t2_EOTExPosDepDmpTblY_MtrNmpRadps_u0p16[0][1]   | 302                                     |                           |          |
| t2_EOTExPosDepDmpTblY_MtrNmpRadps_u0p16[1][0]   | 153                                     |                           |          |
| t2_EOTExPosDepDmpTblY_MtrNmpRadps_u0p16[1][1]   | 216                                     |                           |          |
| t2_EOTExPosDepDmpTblY_MtrNmpRadps_u0p16[2][0]   | 168                                     |                           |          |
| t2_EOTExPosDepDmpTblY_MtrNmpRadps_u0p16[2][1]   | 237                                     |                           |          |
| t2_EOTExPosDepDmpTblY_MtrNmpRadps_u0p16[3][0]   | 198                                     |                           |          |
| t2_EOTExPosDepDmpTblY_MtrNmpRadps_u0p16[3][1]   | 280                                     |                           |          |
| t2_EOTPosDepDmpTblX_HwDeg_u12p4[0][0]   | 848                                     |                           |          |
| t2_EOTPosDepDmpTblX_HwDeg_u12p4[0][1]   | 1232                                    |                           |          |
| t2_EOTPosDepDmpTblX_HwDeg_u12p4[1][0]   | 992                                     |                           |          |
| t2_EOTPosDepDmpTblX_HwDeg_u12p4[1][1]   | 1376                                    |                           |          |
| t2_EOTPosDepDmpTblX_HwDeg_u12p4[2][0]   | 704                                     |                           |          |
| t2_EOTPosDepDmpTblX_HwDeg_u12p4[2][1]   | 1088                                    |                           |          |
| t2_EOTPosDepDmpTblX_HwDeg_u12p4[3][0]   | 800                                     |                           |          |
| t2_EOTPosDepDmpTblX_HwDeg_u12p4[3][1]   | 4176                                    |                           |          |
| t2_EOTPosDepDmpTblY_MtrNmpRadpS_u0p16[0][0]   | 194                                     |                           |          |
| t2_EOTPosDepDmpTblY_MtrNmpRadpS_u0p16[0][1]   | 715                                     |                           |          |
| t2_EOTPosDepDmpTblY_MtrNmpRadpS_u0p16[1][0]   | 334                                     |                           |          |
| t2_EOTPosDepDmpTblY_MtrNmpRadpS_u0p16[1][1]   | 474                                     |                           |          |
| t2_EOTPosDepDmpTblY_MtrNmpRadpS_u0p16[2][0]   | 183                                     |                           |          |
| t2_EOTPosDepDmpTblY_MtrNmpRadpS_u0p16[2][1]   | 259                                     |                           |          |
| t2_EOTPosDepDmpTblY_MtrNmpRadpS_u0p16[3][0]   | 274                                     |                           |          |
| t2_EOTPosDepDmpTblY_MtrNmpRadpS_u0p16[3][1]   | 388                                     |                           |          |
| t_EOTDmpVspd_Kph_u9p7[0]  | 8832                                    |                           |          |
| t_EOTDmpVspd_Kph_u9p7[1]  | 26368                                   |                           |          |
| t_EOTDmpVspd_Kph_u9p7[2]  | 26496                                   |                           |          |
| t_EOTDmpVspd_Kph_u9p7[3]  | 26624                                   |                           |          |
| t_EOTEnterGainVspd_Kph_u9p7[0]  | 8832                                    |                           |          |
| t_EOTEnterGainVspd_Kph_u9p7[1]  | 26368                                   |                           |          |
| t_EOTEnterGainVspd_Kph_u9p7[2]  | 26496                                   |                           |          |
| t_EOTEnterGainVspd_Kph_u9p7[3]  | 26624                                   |                           |          |
| t_SpdlptTblXTbl_HwDeg_u12p4[0]  | 464                                     |                           |          |
| t_SpdlptTblXTbl_HwDeg_u12p4[1]  | 848                                     |                           |          |
| t_SpdIptTbIYTbI_MtrRadpS_u12p4[0]   | 784                                     |                           |          |
| t_SpdlptTblYTbl_MtrRadpS_u12p4[1]   | 1168                                    |                           |          |
| t_TrqTableX_HwNm_u8p8[0]  | 0                                       |                           |          |
| t_TrqTableX_HwNm_u8p8[1]  | 768                                     |                           |          |
| t_TrqTblY_Uls_u2p14[0]  | 573                                     |                           |          |
| t_TrqTblY_Uls_u2p14[1]  | 655                                     |                           |          |
| target_EOTActuatorMng_Per1_CcwEOT_HwDeg_f32.value   | -456.125                                |                           |          |
| target_EOTActuatorMng_Per1_CcwFound_Cnt_lgc.value   | 1                                       |                           |          |
| target_EOTActuatorMng_Per1_CwEOT_HwDeg_f32.value  | 565.314026                              |                           |          |
| target_EOTActuatorMng_Per1_CwFound_Cnt_lgc.value  | 1                                       |                           |          |
| target_EOTActuatorMng_Per1_EOTDisable_Cnt_lgc.value   | 1                                       |                           |          |
| target_EOTActuatorMng_Per1_HandWheelAuth_Uls_f32.value  | 0.845000029                             |                           |          |
| target_EOTActuatorMng_Per1_HandWheelPos_HwDeg_f32.value   | 777.101013                              |                           |          |
| target_EOTActuatorMng_Per1_HwTorque_HwNm_f32.value  | 0.550000012                             |                           |          |
| target_EOTActuatorMng_Per1_MotorVel_MtrRadpS_f32.value  | -550                                    |                           |          |
| target_EOTActuatorMng_Per1_OutputRampMultLtd_Uls_f32.value  | 0.674000025                             |                           |          |
| target_EOTActuatorMng_Per1_VehicleSpeed_Kph_f32.value   | 19.8785                                 |                           |          |
| $target\_Rte\_Inst\_Ap\_EOTActuatorMng\_EOTActuatorMng\_Per1\_AssistEOTDamping\_Per1\_AssisTEOTDamping\_Per1\_AssisTEOTD$                                       | target_EOTActuatorMng_Per1_AssistEOTDa  |                           |          |
| target_Rte_Inst_Ap_EOTActuatorMng.EOTActuatorMng_Per1_AssistEOTGain_Uls_  |   |                           |          |
| $target\_Rte\_Inst\_Ap\_EOTActuatorMng\_EOTActuatorMng\_Per1\_AssistEOTLimit\_MtrI_AssistEOTL$  | ·                                       |                           |          |
| target_Rte_Inst_Ap_EOTActuatorMng.EOTActuatorMng_Per1_CcwEOT_HwDeg_f3   |   |                           |          |
| $target\_Rte\_Inst\_Ap\_EOTActuatorMng.EOTActuatorMng\_Per1\_CcwFound\_Cnt\_Igc$  | target_EOTActuatorMng_Per1_CcwFound_C   |                           |          |
| target_Rte_Inst_Ap_EOTActuatorMng.EOTActuatorMng_Per1_CwEOT_HwDeg_f32   |   |                           |          |
| target_Rte_Inst_Ap_EOTActuatorMng.EOTActuatorMng_Per1_CwFound_Cnt_Igc   | target_EOTActuatorMng_Per1_CwFound_Cr   |                           |          |
| target_Rte_Inst_Ap_EOTActuatorMng.EOTActuatorMng_Per1_EOTDisable_Cnt_Igo  |   |                           |          |
| $target\_Rte\_Inst\_Ap\_EOTActuatorMng\_EOTActuatorMng\_Per1\_HandWheelAuth\_Ulstarget\_Rte\_Inst\_Ap\_EOTActuatorMng\_Per1\_HandWheelAuth\_Ulstarget\_Rte\_Inst\_Ap\_EOTActuatorMng\_Per1\_HandWheelAuth\_Ulstarget\_Rte\_Inst\_Ap\_EOTActuatorMng\_Per1\_HandWheelAuth\_Ulstarget\_Rte\_Inst\_Ap\_EOTActuatorMng\_Per1\_HandWheelAuth\_Ulstarget\_Rte\_Inst\_Ap\_EOTActuatorMng\_Per1\_HandWheelAuth\_Ulstarget\_Rte\_Inst\_Ap\_EOTActuatorMng\_Per1\_HandWheelAuth\_Ulstarget\_Rte\_Inst\_Ap\_EOTActuatorMng\_Per1\_HandWheelAuth\_Ulstarget\_Rte\_Inst\_Ap\_EOTActuatorMng\_Per1\_HandWheelAuth\_Ulstarget\_Rte\_Inst\_Ap\_EOTActuatorMng\_Per1\_HandWheelAuth\_Ulstarget\_Rte\_Inst\_Ap\_EOTActuatorMng\_Per1\_HandWheelAuth\_Ulstarget\_Rte\_Inst\_Ap\_EOTActuatorMng\_Per1\_HandWheelAuth\_Ulstarget\_Rte\_Inst\_Ap\_EOTActuatorMng\_Per1\_HandWheelAuth\_Ulstarget\_Rte\_Inst\_Ap\_EOTActuatorMng\_Per1\_HandWheelAuth\_Ulstarget\_Rte\_Inst\_Ap\_EOTActuatorMng\_Per1\_HandWheelAuth\_Rte\_Inst\_Ap\_EOTActuatorMng\_Per1\_HandWheelAuth\_Rte\_Inst\_Ap\_EOTActuatorMng\_Per1\_HandWheelAuth\_Rte\_Inst\_Ap\_EOTActuatorMng\_Per1\_HandWheelAuth\_Rte\_Inst\_Ap\_EOTActuatorMng\_Per1\_HandWheelAuth\_Rte\_Inst\_Ap\_EOTActuatorMng\_Per1\_HandWheelAuth\_Rte\_Inst\_Ap\_EOTActuatorMng\_Per1\_HandWheelAuth_Rte\_Inst\_Ap\_EOTActuatorMng\_Per1\_HandWheelAuth_Rte\_Inst\_Ap\_EOTActuatorMng\_Per1\_HandWheelAuth_Rte\_Inst\_Ap\_EOTActuatorMng\_Per1\_HandWheelAuth_Rte\_Inst\_Ap\_EOTActuatorMng\_Per1\_HandWheelAuth_Rte\_Inst_Ap\_EOTActuatorMng\_Per1\_HandWheelAuth_Rte\_Inst_Ap\_EOTActuatorMng\_Per1\_HandWheelAuth_Rte\_Inst_Ap\_EOTActuatorMng\_Per1\_HandWheelAuth_Rte\_Inst_Ap\_EOTActuatorMng\_Per1\_HandWheelAuth_Rte\_Inst_Ap\_EOTActuatorMng\_Per1\_HandWheelAuth_Rte\_Inst_Ap\_EOTActuatorMng\_Per1\_HandWheelAuth_Rte\_Inst_Ap\_EOTActuatorMng\_Per1\_HandWheelAuth_Rte\_Inst_Ap\_EOTActuatorMng\_Per1\_HandWheelAuth_Rte\_Inst_Ap\_EOTActuatorMng\_Per1\_HandWheelAuth_Rte\_Inst_Ap\_EOTActuatorMng\_Per1\_HandWheelAuth_Rte\_Inst_Ap\_EOTActuatorMng\_Per1\_HandWheelAuth_Rte\_Inst_Ap\_EOTActuatorMng\_Per1\_HandWheelAuth_Rte\_Inst_Ap\_EOTActuatorMng\_Per1\_HandWheelAuth_Rte\_Inst_Ap\_EOTActuatorMng\_Per1\_HandWheelAuth_Rte\_Inst_Ap\_EOTActuatorMng\_Per1\_HandWheelAuth_Rte\_Inst_Ap\_EOTActuatorMng\_Per1\_HandWheelA$ |   |                           |          |
| target_Rte_Inst_Ap_EOTActuatorMng.EOTActuatorMng_Per1_HandWheelPos_Hwl  |   |                           |          |
| $target\_Rte\_Inst\_Ap\_EOTActuatorMng.EOTActuatorMng\_Per1\_HwTorque\_HwNm\_functions and the property of the proper$  | · · · · · · · · · · · · · · · · · · ·   | _                         |          |
| target_Rte_Inst_Ap_EOTActuatorMng.EOTActuatorMng_Per1_MotorVel_MtrRadpS   |   | · <del>-</del>            |          |
| $target\_Rte\_Inst\_Ap\_EOTActuatorMng\_EOTActuatorMng\_Per1\_OutputRampMultLtd\_Inst\_Ap\_EOTActuatorMng\_Per1\_OutputRampMultLtd\_Inst\_Ap\_EOTActuatorMng\_Per1\_OutputRampMultLtd\_Inst\_Ap\_EOTActuatorMng\_Per1\_OutputRampMultLtd\_Inst\_Ap\_EOTActuatorMng\_Per1\_OutputRampMultLtd\_Inst\_Ap\_EOTActuatorMng\_Per1\_OutputRampMultLtd\_Inst\_Ap\_EOTActuatorMng\_Per1\_OutputRampMultLtd\_Inst\_Ap\_EOTActuatorMng\_Per1\_OutputRampMultLtd\_Inst\_Ap\_EOTActuatorMng\_Per1\_OutputRampMultLtd\_InstAp\_EOTActuatorMng\_Per1\_Ou$                                   |   |                           |          |
| target Rte Inst Ap EOTActuatorMng.EOTActuatorMng Per1 VehicleSpeed Kph  | target_EOTActuatorMng_Per1_VehicleSpeed | d_Kph_f32                 |          |
| Name  | Actual Value                            | Expected Value            | Result   |
| EOTActuatorMng_Damping_MtrNm_M_f32  | 6.46772003                              | 6.46772003 ± 0.0000390625 | •        |
| EOTActuatorMng_EOTImpactPos_HwDeg_M_f32   | 423.279999                              | 423.279999 ± 0.0000390625 | •        |
| EOTActuatorMng FiltEOTGainSV HwNm M u1p31   | 735790652                               | 735790652 ± 1             | <b>-</b> |

735790652

735790652 ± 1

2015-06-29, 18:31:27+0530



| Name  | Actual Value | Expected Value             | Result   |
|---|--------------|----------------------------|----------|
| EOTActuatorMng_FiltHWTrqSV_HwNm_M_s7p24                     | 30825068     | 30825068 ± 1               | •        |
| EOTActuatorMng_OutputRampMultLtd_M_f32                      | 0.674000025  | 0.674000025 ± 0.00390625   | ~        |
| EOTActuatorMng_PrevEOTGain_Uls_M_f32                        | 1            | 1 ± 0.0625                 | <b>✓</b> |
| EOTActuatorMng_SESState_Uls_M_enum                          | SES_DISABLED | SES_DISABLED               | ~        |
| target_EOTActuatorMng_Per1_AssistEOTDamping_MtrNm_f32.value | 0            | 0 ± 0.00048828125          | <b>✓</b> |
| target_EOTActuatorMng_Per1_AssistEOTGain_Uls_f32.value      | 1            | 1 ± 0.0000390625           | •        |
| target_EOTActuatorMng_Per1_AssistEOTLimit_MtrNm_f32.value   | 8.80000019   | 8.80000019 ± 0.00048828125 | •        |

| Τ  |       |  |       | V      |
|--|-------|--|-------|--------|
| Actual Function                                    | Count | Expected Function                                  | Count | Result |
| Rte_Call_EOTActuatorMng_Per1_CP0_CheckpointReached | 1     | Rte_Call_EOTActuatorMng_Per1_CP0_CheckpointReached | 1     | ~      |
| EOTDetermination                                   | 1     | EOTDetermination                                   | 1     | •      |
| SES_DetLmtPos                                      | 1     | SES_DetLmtPos                                      | 1     | ~      |
| SES_CalcExitGain                                   | 1     | SES_CalcExitGain                                   | 1     | ~      |
| IntplVarXY_u16_u16Xu16Y_Cnt                        | 1     | IntplVarXY_u16_u16Xu16Y_Cnt                        | 1     | ~      |
| SES_CalcEnterGain                                  | 1     | SES_CalcEnterGain                                  | 1     | ~      |
| SES_CalcEOTGain                                    | 1     | SES_CalcEOTGain                                    | 1     | ~      |
| SES_FiltEOTGain                                    | 1     | SES_FiltEOTGain                                    | 1     | •      |
| SES_CalcEOTDamp                                    | 1     | SES_CalcEOTDamp                                    | 1     | ~      |
| SES_StateCtrl                                      | 1     | SES_StateCtrl                                      | 1     | •      |
| Rte_Call_EOTActuatorMng_Per1_CP1_CheckpointReached | 1     | Rte_Call_EOTActuatorMng_Per1_CP1_CheckpointReached | 1     | ~      |

| Test Step 2.41 (Repeat Count = 1)         | 🗸                                 |
|---|-----------------------------------|
| Name                                      | Input Value                       |
| EOTActuatorMng Damping MtrNm M f32        | 6.80000019                        |
| EOTActuatorMng EOTImpactPos HwDeg M f32   | 423.279999                        |
| EOTActuatorMng_FiltEOTGainSV_HwNm_M_u1p31 | 644245094                         |
| EOTActuatorMng_FiltHWTrqSV_HwNm_M_s7p24   | 33554432                          |
| EOTActuatorMng_PrevEOTGain_Uls_M_f32      | 0.5                               |
| EOTActuatorMng_SESState_Uls_M_enum        | SES_NORMAL                        |
| Rte_Inst_Ap_EOTActuatorMng                | target_Rte_Inst_Ap_EOTActuatorMng |
| k_EOTActiveRegionBypassMaxThresh_Uls_f32  | 0.388999999                       |
| k_EOTDefltPosition_HwDeg_u12p4            | 11120                             |
| k_EOTDeltaTrqThrsh_HwNm_u9p7              | 256                               |
| k_EOTDynConf_Uls_u8p8                     | 40960                             |
| k_EOTEnterLPFKn_Cnt_u16                   | 7777                              |
| k_EOTExitLPFKn_Cnt_u16                    | 3658                              |
| k_EOTImpSpdEn_Kph_u9p7                    | 4992                              |
| k_EOTOriginalImpactandSoftEnd_Cnt_lgc     | 1                                 |
| k_EOTPosDepDempFinalSlew_MtrNmpS_T_f32    | 166.139999                        |
| k_EOTStateHwTrqLPFKn_Cnt_u16              | 7337                              |
| k_MaxRackTrvl_HwDeg_u12p4                 | 2496                              |
| k_MinRackTrvl_HwDeg_u12p4                 | 8544                              |
| k_PosRampStep_HwDeg_u12p4                 | 736                               |
| k_SoftStopEOTEnable_Cnt_lgc               | 1                                 |
| k_SpdIptScale_MtrNmpRadpS_u4p12           | 93                                |
| t2_EOTEnterGainX_HwDeg_u12p4[0][0]        | 1328                              |
| t2_EOTEnterGainX_HwDeg_u12p4[0][1]        | 3968                              |
| t2_EOTEnterGainX_HwDeg_u12p4[0][2]        | 3984                              |
| t2_EOTEnterGainX_HwDeg_u12p4[0][3]        |                                   |

2015-06-29, 18:31:27+0530



| EOTActuatoriving_Peri   |   |
|---|---|
| Name  | Input Value   |
| t2_EOTEnterGainY_Uls_u1p15[2][0]  | 8   |
| t2_EOTEnterGainY_Uls_u1p15[2][1]  | 8   |
| t2_EOTEnterGainY_Uls_u1p15[2][2]  | 108   |
| t2_EOTEnterGainY_Uls_u1p15[2][3]  | 1049  |
| t2_EOTEnterGainY_Uls_u1p15[3][0]  | 383   |
| t2_EOTEnterGainY_Uls_u1p15[3][1]  | 39  |
| t2_EOTEnterGainY_Uls_u1p15[3][2]  | 5   |
| t2_EOTEnterGainY_Uls_u1p15[3][3]  | 6   |
| t2_EOTExPosDepDmpTblY_MtrNmpRadps_u0p16[0][0]   | 213   |
| t2_EOTExPosDepDmpTblY_MtrNmpRadps_u0p16[0][1]   | 302   |
| t2_EOTExPosDepDmpTblY_MtrNmpRadps_u0p16[1][0]   | 153   |
| t2_EOTExPosDepDmpTblY_MtrNmpRadps_u0p16[1][1]   | 216   |
| t2_EOTExPosDepDmpTblY_MtrNmpRadps_u0p16[2][0]   | 168   |
| t2_EOTExPosDepDmpTblY_MtrNmpRadps_u0p16[2][1]   | 237   |
| t2_EOTExPosDepDmpTblY_MtrNmpRadps_u0p16[3][0]   | 198   |
| t2_EOTExPosDepDmpTblY_MtrNmpRadps_u0p16[3][1]   | 280   |
| t2_EOTPosDepDmpTblX_HwDeg_u12p4[0][0]   | 848   |
| t2_EOTPosDepDmpTblX_HwDeg_u12p4[0][1]   | 1232  |
| t2 EOTPosDepDmpTblX HwDeg u12p4[1][0]   | 992   |
| t2_EOTPosDepDmpTbIX_HwDeg_u12p4[1][1]   | 1376  |
| t2_EOTPosDepDmpTblX_HwDeg_u12p4[2][0]   | 704   |
| t2_EOTPosDepDmpTbIX_HwDeg_u12p4[2][1]   | 1088  |
| t2_EOTPosDepDmpTblX_HwDeg_u12p4[3][0]   | 800   |
| t2_EOTPosDepDmpTbIX_HwDeg_u12p4[3][1]   | 4176  |
| t2_EOTPosDepDmpTblY_MtrNmpRadpS_u0p16[0][0]   | 194   |
| t2_EOTPosDepDmpTblY_MtrNmpRadpS_u0p16[0][1]   | 715   |
| t2_EOTPosDepDmpTblY_MtrNmpRadpS_u0p16[1][0]   | 334   |
| t2_EOTPosDepDmpTblY_MtrNmpRadpS_u0p16[1][1]   | 474   |
| t2_EOTPosDepDmpTblY_MtrNmpRadpS_u0p16[2][0]   | 183   |
| t2_EOTPosDepDmpTblY_MtrNmpRadpS_u0p16[2][1]   | 259   |
| t2_EOTPosDepDmpTblY_MtrNmpRadpS_u0p16[3][0]   | 274   |
| t2_EOTPosDepDmpTblY_MtrNmpRadpS_u0p16[3][1]   | 388   |
| t_EOTDmpVspd_Kph_u9p7[0]  | 8832  |
| t_EOTDmpVspd_Kph_u9p7[1]  | 26368   |
| t_EOTDmpVspd_Kph_u9p7[2]  | 26496   |
| t_EOTDmpVspd_Kph_u9p7[3]  | 26624   |
| t_EOTEnterGainVspd_Kph_u9p7[0]  | 8832  |
| t_EOTEnterGainVspd_Kph_u9p7[1]  | 26368   |
| t EOTEnterGainVspd Kph u9p7[2]  | 26496   |
| t_EOTEnterGainVspd_Kph_u9p7[3]  | 26624   |
| t_SpdlptTblXTbl_HwDeg_u12p4[0]  | 464   |
| t SpdlptTblXTbl HwDeg u12p4[1]  | 848   |
| t_SpdlptTblYTbl_MtrRadpS_u12p4[0]   | 784   |
| t_SpdlptTblYTbl_MtrRadpS_u12p4[1]   | 1168  |
| t_TrqTableX_HwNm_u8p8[0]  | 0   |
| t TrgTableX HwNm u8p8[1]  | 768   |
| t TrqTblY Uls u2p14[0]  | 573   |
|   | 655   |
| t_TrqTblY_Uls_u2p14[1] target_EOTActuatorMng_Per1_CcwEOT_HwDeg_f32.value  | -456.125  |
|   |   |
| target_EOTActuatorMng_Per1_CcwFound_Cnt_lgc.value   | 1 565 314026  |
| target_EOTActuatorMng_Per1_CwEOT_HwDeg_f32.value  | 565.314026<br>1   |
| target_EOTActuatorMng_Per1_CwFound_Cnt_lgc.value  | 1   |
| target_EOTActuatorMng_Per1_EOTDisable_Cnt_lgc.value   |   |
| target_EOTActuatorMng_Per1_HandWheelAuth_Uls_f32.value  | 0.845000029   |
| target_EOTActuatorMng_Per1_HandWheelPos_HwDeg_f32.value   | 777.101013  |
| target_EOTActuatorMng_Per1_HwTorque_HwNm_f32.value  | 0.550000012   |
| target_EOTActuatorMng_Per1_MotorVel_MtrRadpS_f32.value  | -550  |
| target_EOTActuatorMng_Per1_OutputRampMultLtd_Uls_f32.value  | 0.674000025   |
| target_EOTActuatorMng_Per1_VehicleSpeed_Kph_f32.value   | 19.8785   |
| target Rte Inst Ap EOTActuatorMng.EOTActuatorMng Per1 AssistEOTDamping  | ,   |
| target_Rte_Inst_Ap_EOTActuatorMng.EOTActuatorMng_Per1_AssistEOTGain_Uls_  |   |
| target_Rte_Inst_Ap_EOTActuatorMng.EOTActuatorMng_Per1_AssistEOTLimit_Mtr1   |   |
| target_Rte_Inst_Ap_EOTActuatorMng.EOTActuatorMng_Per1_CcwEOT_HwDeg_f3   |   |
| target_Rte_Inst_Ap_EOTActuatorMng.EOTActuatorMng_Per1_CcwFound_Cnt_Igc  |   |
| target_Rte_Inst_Ap_EOTActuatorMng.EOTActuatorMng_Per1_CwEOT_HwDeg_f32   |   |
| target_Rte_Inst_Ap_EOTActuatorMng.EOTActuatorMng_Per1_CwFound_Cnt_lgc   | target_EOTActuatorMng_Per1_CwFound_Cnt_lgc  |
| target Rte Inst Ap EOTActuatorMng.EOTActuatorMng Per1 EOTDisable Cnt Igo  | target_EOTActuatorMng_Per1_EOTDisable_Cnt_lgc   |
| target_rec_ind_rep_continued in ing.continued in ing.cont  |   |
| target_Rte_Inst_Ap_EOTActuatorMng.EOTActuatorMng_Per1_HandWheelAuth_Uls   | target_EOTActuatorMng_Per1_HandWheelAuth_Uls_f32  |
|   |   |
| $target\_Rte\_Inst\_Ap\_EOTActuatorMng.EOTActuatorMng\_Per1\_HandWheelAuth\_Ulstarget\_Rte\_Inst\_Ap\_EOTActuatorMng.EOTActuatorMng\_Per1\_HandWheelAuth\_Ulstarget\_Rte\_Inst\_Ap\_EOTActuatorMng.EOTActuatorMng\_Per1\_HandWheelAuth\_Ulstarget\_Rte\_Inst\_Ap\_EOTActuatorMng.EOTActuatorMng\_Per1\_HandWheelAuth\_Ulstarget\_Rte\_Inst\_Ap\_EOTActuatorMng.EOTActuatorMng\_Per1\_HandWheelAuth\_Ulstarget\_Rte\_Inst\_Ap\_EOTActuatorMng.EOTActuatorMng\_Per1\_HandWheelAuth\_Ulstarget\_Rte\_Inst\_Ap\_EOTActuatorMng.EOTActuatorMng\_Per1\_HandWheelAuth\_Ulstarget\_Rte\_Inst\_Ap\_EOTActuatorMng.EOTActuatorMn$ | l target_EOTActuatorMng_Per1_HandWheelPos_HwDeg_f32   |
| target_Rte_Inst_Ap_EOTActuatorMng.EOTActuatorMng_Per1_HandWheelAuth_Ulstarget_Rte_Inst_Ap_EOTActuatorMng.EOTActuatorMng_Per1_HandWheelPos_Hw  | target_EOTActuatorMng_Per1_HandWheelPos_HwDeg_f32 target_EOTActuatorMng_Per1_HwTorque_HwNm_f32  |
| target_Rte_Inst_Ap_EOTActuatorMng.EOTActuatorMng_Per1_HandWheelAuth_Ulstarget_Rte_Inst_Ap_EOTActuatorMng.EOTActuatorMng_Per1_HandWheelPos_Hwltarget_Rte_Inst_Ap_EOTActuatorMng.EOTActuatorMng_Per1_HwTorque_HwNm_f  | target_EOTActuatorMng_Per1_HandWheelPos_HwDeg_f32 target_EOTActuatorMng_Per1_HwTorque_HwNm_f32 target_EOTActuatorMng_Per1_MotorVel_MtrRadpS_f32 |

2015-06-29, 18:31:27+0530



| Name  | Actual Value | Expected Value             | Result |
|---|--------------|----------------------------|--------|
| EOTActuatorMng_Damping_MtrNm_M_f32                          | 6.46772003   | 6.46772003 ± 0.0000390625  | ~      |
| EOTActuatorMng_EOTImpactPos_HwDeg_M_f32                     | 423.279999   | 423.279999 ± 0.0000390625  | ~      |
| EOTActuatorMng_FiltEOTGainSV_HwNm_M_u1p31                   | 567851623    | 567851623 ± 1              | ~      |
| EOTActuatorMng_FiltHWTrqSV_HwNm_M_s7p24                     | 30825068     | 30825068 ± 1               | •      |
| EOTActuatorMng_OutputRampMultLtd_M_f32                      | 0.674000025  | 0.674000025 ± 0.00390625   | ~      |
| EOTActuatorMng_PrevEOTGain_Uls_M_f32                        | 0.264404297  | 0.264404297 ± 0.0625       | •      |
| EOTActuatorMng_SESState_Uls_M_enum                          | SES_DISABLED | SES_DISABLED               | ~      |
| target_EOTActuatorMng_Per1_AssistEOTDamping_MtrNm_f32.value | 6.46772003   | 6.46772003 ± 0.00048828125 | ~      |
| target_EOTActuatorMng_Per1_AssistEOTGain_Uls_f32.value      | 0.264404297  | 0.264404297 ± 0.0000390625 | ~      |
| target_EOTActuatorMng_Per1_AssistEOTLimit_MtrNm_f32.value   | 8.80000019   | 8.80000019 ± 0.00048828125 | ~      |

| T .  |       |  |       | <b>✓</b> |
|--|-------|--|-------|----------|
| Actual Function                                    | Count | Expected Function                                  | Count | Result   |
| Rte_Call_EOTActuatorMng_Per1_CP0_CheckpointReached | 1     | Rte_Call_EOTActuatorMng_Per1_CP0_CheckpointReached | 1     | ~        |
| EOTDetermination                                   | 1     | EOTDetermination                                   | 1     | •        |
| SES_DetLmtPos                                      | 1     | SES_DetLmtPos                                      | 1     | •        |
| SES_CalcExitGain                                   | 1     | SES_CalcExitGain                                   | 1     | <b>✓</b> |
| IntplVarXY_u16_u16Xu16Y_Cnt                        | 1     | IntplVarXY_u16_u16Xu16Y_Cnt                        | 1     | ~        |
| SES_CalcEnterGain                                  | 1     | SES_CalcEnterGain                                  | 1     | <b>~</b> |
| BilinearXMYM_u16_u16XMu16YM_Cnt                    | 1     | BilinearXMYM_u16_u16XMu16YM_Cnt                    | 1     | ~        |
| SES_CalcEOTGain                                    | 1     | SES_CalcEOTGain                                    | 1     | ~        |
| SES_FiltEOTGain                                    | 1     | SES_FiltEOTGain                                    | 1     | •        |
| SES_CalcEOTDamp                                    | 1     | SES_CalcEOTDamp                                    | 1     | ~        |
| BilinearXMYM_u16_u16XMu16YM_Cnt                    | 1     | BilinearXMYM_u16_u16XMu16YM_Cnt                    | 1     | ~        |
| SES_StateCtrl                                      | 1     | SES_StateCtrl                                      | 1     | ~        |
| Rte_Call_EOTActuatorMng_Per1_CP1_CheckpointReached | 1     | Rte_Call_EOTActuatorMng_Per1_CP1_CheckpointReached | 1     | ~        |

| Test Step 2.42 (Repeat Count = 1)         |                                   |
|---|-----------------------------------|
| Name                                      | Input Value                       |
| EOTActuatorMng_Damping_MtrNm_M_f32        | 7                                 |
| EOTActuatorMng_EOTImpactPos_HwDeg_M_f32   | 987.469971                        |
| EOTActuatorMng_FiltEOTGainSV_HwNm_M_u1p31 | 429496730                         |
| EOTActuatorMng_FiltHWTrqSV_HwNm_M_s7p24   | -33554432                         |
| EOTActuatorMng_PrevEOTGain_Uls_M_f32      | 0.40000006                        |
| EOTActuatorMng_SESState_Uls_M_enum        | SES_ENTERING                      |
| Rte_Inst_Ap_EOTActuatorMng                | target_Rte_Inst_Ap_EOTActuatorMng |
| k_EOTActiveRegionBypassMaxThresh_Uls_f32  | 0.995000005                       |
| k_EOTDefltPosition_HwDeg_u12p4            | 11136                             |
| k_EOTDeltaTrqThrsh_HwNm_u9p7              | 256                               |
| k_EOTDynConf_Uls_u8p8                     | 43520                             |
| k_EOTEnterLPFKn_Cnt_u16                   | 8888                              |
| k_EOTExitLPFKn_Cnt_u16                    | 3475                              |
| k_EOTImpSpdEn_Kph_u9p7                    | 5120                              |
| k_EOTOriginalImpactandSoftEnd_Cnt_lgc     | 0                                 |
| k_EOTPosDepDempFinalSlew_MtrNmpS_T_f32    | 170.190002                        |
| k_EOTStateHwTrqLPFKn_Cnt_u16              | 3773                              |
| k_MaxRackTrvl_HwDeg_u12p4                 | 2512                              |
| k_MinRackTrvl_HwDeg_u12p4                 | 10128                             |
| k_PosRampStep_HwDeg_u12p4                 | 12064                             |
| k_SoftStopEOTEnable_Cnt_lgc               | 0                                 |
| k_SpdlptScale_MtrNmpRadpS_u4p12           | 93                                |
| t2_EOTEnterGainX_HwDeg_u12p4[0][0]        | 1344                              |
| t2_EOTEnterGainX_HwDeg_u12p4[0][1]        | 4016                              |
| t2_EOTEnterGainX_HwDeg_u12p4[0][2]        | 4032                              |
| t2_EOTEnterGainX_HwDeg_u12p4[0][3]        | 4048                              |
| t2_EOTEnterGainX_HwDeg_u12p4[1][0]        | 3104                              |
| t2_EOTEnterGainX_HwDeg_u12p4[1][1]        | 9296                              |
| t2_EOTEnterGainX_HwDeg_u12p4[1][2]        | 9312                              |
| t2_EOTEnterGainX_HwDeg_u12p4[1][3]        | 9328                              |
| t2_EOTEnterGainX_HwDeg_u12p4[2][0]        | 736                               |
| t2_EOTEnterGainX_HwDeg_u12p4[2][1]        | 2192                              |
| t2_EOTEnterGainX_HwDeg_u12p4[2][2]        | 2208                              |
| t2_EOTEnterGainX_HwDeg_u12p4[2][3]        | 2224                              |
| t2_EOTEnterGainX_HwDeg_u12p4[3][0]        | 1440                              |
| t2_EOTEnterGainX_HwDeg_u12p4[3][1]        | 4304                              |
| t2_EOTEnterGainX_HwDeg_u12p4[3][2]        | 4320                              |
| t2_EOTEnterGainX_HwDeg_u12p4[3][3]        | 4336                              |
| t2_EOTEnterGainY_Uls_u1p15[0][0]          | 6                                 |
| t2_EOTEnterGainY_Uls_u1p15[0][1]          | 7                                 |
| t2_EOTEnterGainY_Uls_u1p15[0][2]          | 69                                |

2015-06-29, 18:31:27+0530



| Name   | Input Value   |
|--|---|
| t2_EOTEnterGainY_Uls_u1p15[0][3]   | 668   |
| t2_EOTEnterGainY_Uls_u1p15[1][0]   | 7   |
| t2_EOTEnterGainY_Uls_u1p15[1][1]<br>t2_EOTEnterGainY_Uls_u1p15[1][2]   | 8   |
| t2_EOTEnterGainT_Ois_u1p15[1][2] t2_EOTEnterGainY_Uls_u1p15[1][3]  | 88<br>859   |
| t2_EOTEnterGainT_Uis_u1p15[1][0]   | 8   |
| t2_EOTEnterGainY_Uls_u1p15[2][1]   | 9   |
| t2_EOTEnterGainY_Uls_u1p15[2][2]   | 118   |
| t2_EOTEnterGainY_Uls_u1p15[2][3]   | 1144  |
| t2_EOTEnterGainY_Uls_u1p15[3][0]   | 478   |
| t2_EOTEnterGainY_Uls_u1p15[3][1]   | 49  |
| t2_EOTEnterGainY_Uls_u1p15[3][2]   | 6   |
| t2_EOTEnterGainY_Uls_u1p15[3][3]   | 6   |
| t2_EOTExPosDepDmpTblY_MtrNmpRadps_u0p16[0][0]  | 228   |
| t2_EOTExPosDepDmpTblY_MtrNmpRadps_u0p16[0][1]  | 323   |
| t2_EOTExPosDepDmpTblY_MtrNmpRadps_u0p16[1][0]  | 168   |
| t2_EOTExPosDepDmpTblY_MtrNmpRadps_u0p16[1][1]  | 237   |
| t2_EOTExPosDepDmpTbIY_MtrNmpRadps_u0p16[2][0]<br>t2_EOTExPosDepDmpTbIY_MtrNmpRadps_u0p16[2][1]   | 183<br>259  |
| t2_EOTEXPOSDepDmpTblY_MtrNmpRadps_u0p16[3][0]  | 213   |
| t2_EOTEXPOSDepDmpTblY_MtrNmpRadps_u0p16[3][1]  | 302   |
| t2_EOTEXF0SDepDmpTblX_HwDeg_u12p4[0][0]  | 864   |
| t2_EOTPosDepDmpTblX_HwDeg_u12p4[0][1]  | 1248  |
| t2_EOTPosDepDmpTblX_HwDeg_u12p4[1][0]  | 1008  |
| t2_EOTPosDepDmpTblX_HwDeg_u12p4[1][1]  | 1392  |
| t2_EOTPosDepDmpTblX_HwDeg_u12p4[2][0]  | 720   |
| t2_EOTPosDepDmpTblX_HwDeg_u12p4[2][1]  | 1104  |
| t2_EOTPosDepDmpTblX_HwDeg_u12p4[3][0]  | 816   |
| t2_EOTPosDepDmpTblX_HwDeg_u12p4[3][1]  | 4192  |
| t2_EOTPosDepDmpTblY_MtrNmpRadpS_u0p16[0][0]  | 22  |
| t2_EOTPosDepDmpTblY_MtrNmpRadpS_u0p16[0][1]  | 153   |
| t2_EOTPosDepDmpTblY_MtrNmpRadpS_u0p16[1][0]  | 10  |
| t2_EOTPosDepDmpTblY_MtrNmpRadpS_u0p16[1][1]  | 452   |
| t2_EOTPosDepDmpTblY_MtrNmpRadpS_u0p16[2][0] t2_EOTPosDepDmpTblY_MtrNmpRadpS_u0p16[2][1]  | 198<br>280  |
| t2_EOTPosDepDmpTblY_MtrNmpRadpS_u0p16[3][0]  | 289   |
| t2_EOTPosDepDmpTblY_MtrNmpRadpS_u0p16[3][1]  | 409   |
| t_EOTDmpVspd_Kph_u9p7[0]   | 8960  |
| t_EOTDmpVspd_Kph_u9p7[1]   | 26752   |
| t_EOTDmpVspd_Kph_u9p7[2]   | 26880   |
| t_EOTDmpVspd_Kph_u9p7[3]   | 27008   |
| t_EOTEnterGainVspd_Kph_u9p7[0]   | 8960  |
| t_EOTEnterGainVspd_Kph_u9p7[1]   | 26752   |
| t_EOTEnterGainVspd_Kph_u9p7[2]   | 26880   |
| t_EOTEnterGainVspd_Kph_u9p7[3]   | 27008   |
| t_SpdIptTblXTbl_HwDeg_u12p4[0]   | 480   |
| t_SpdlptTblXTbl_HwDeg_u12p4[1]   | 864   |
| t_SpdlptTblYTbl_MtrRadpS_u12p4[0]  | 800   |
| t_SpdlptTblYTbl_MtrRadpS_u12p4[1]  | 1184<br>256   |
| t_TrqTableX_HwNm_u8p8[0] t TrqTableX HwNm u8p8[1]  | 512   |
| t_TrqTblY_Uls_u2p14[0]   | 590   |
| t_TrqTblY_Uls_u2p14[1]   | 672   |
| target_EOTActuatorMng_Per1_CcwEOT_HwDeg_f32.value  | -111.025002   |
| target_EOTActuatorMng_Per1_CcwFound_Cnt_lgc.value  | 1   |
| target_EOTActuatorMng_Per1_CwEOT_HwDeg_f32.value   | 656.489014  |
| target_EOTActuatorMng_Per1_CwFound_Cnt_lgc.value   | 0   |
| target_EOTActuatorMng_Per1_EOTDisable_Cnt_lgc.value  | 0   |
| target_EOTActuatorMng_Per1_HandWheelAuth_Uls_f32.value   | 0.620000005   |
| target_EOTActuatorMng_Per1_HandWheelPos_HwDeg_f32.value  | -777.450012   |
| target_EOTActuatorMng_Per1_HwTorque_HwNm_f32.value   | -0.660000026  |
| target_EOTActuatorMng_Per1_MotorVel_MtrRadpS_f32.value   | 650   |
| target_EOTActuatorMng_Per1_OutputRampMultLtd_Uls_f32.value   | 0.2599999   |
| target_EOTActuatorMng_Per1_VehicleSpeed_Kph_f32.value  | 1.48699999  |
| target_Rte_Inst_Ap_EOTActuatorMng.EOTActuatorMng_Per1_AssistEOTDamping   |   |
| target Rte Inst Ap EOTActuatorMng.EOTActuatorMng Per1 AssistEOTGain Uls  |   |
| target Rte Inst An EOTActuatorMag EOTActuatorMag Rord AssistEOTI imit Mile   | T target_LetActuateriving_Ferr_AssistEUTLIIIIL_IVILIIVIII_152   |
|  | 3 target EOTActuatorMng Per1 CowEOT HwDeg f32   |
| target_Rte_Inst_Ap_EOTActuatorMng.EOTActuatorMng_Per1_CcwEOT_HwDeg_f   |   |
| $target\_Rte\_Inst\_Ap\_EOTActuatorMng.EOTActuatorMng\_Per1\_CcwEOT\_HwDeg\_ftarget\_Rte\_Inst\_Ap\_EOTActuatorMng.EOTActuatorMng\_Per1\_CcwFound\_Cnt\_lgc$ | target_EOTActuatorMng_Per1_CcwFound_Cnt_lgc   |
| $target\_Rte\_Inst\_Ap\_EOTActuatorMng.EOTActuatorMng\_Per1\_CcwFound\_Cnt\_Igctarget\_Rte\_Inst\_Ap\_EOTActuatorMng.EOTActuatorMng\_Per1\_CwEOT\_HwDeg\_f3$ | target_EOTActuatorMng_Per1_CcwFound_Cnt_lgc<br>z target_EOTActuatorMng_Per1_CwEOT_HwDeg_f32                                       |
| target_Rte_Inst_Ap_EOTActuatorMng.EOTActuatorMng_Per1_CcwEOT_HwDeg_f target_Rte_Inst_Ap_EOTActuatorMng.EOTActuatorMng_Per1_CcwFound_Cnt_Igc                  | target_EOTActuatorMng_Per1_CcwFound_Cnt_lgc target_EOTActuatorMng_Per1_CwEOT_HwDeg_f32 target_EOTActuatorMng_Per1_CwFound_Cnt_lgc |



| Name  | Input Value                             |                            |        |
|---|---|----------------------------|--------|
| target_Rte_Inst_Ap_EOTActuatorMng.EOTActuatorMng_Per1_HandWheelPos_Hwl  | target_EOTActuatorMng_Per1_HandWheelP   | os_HwDeg_f32               |        |
| $target\_Rte\_Inst\_Ap\_EOTActuatorMng.EOTActuatorMng\_Per1\_HwTorque\_HwNm\_fractuatorMng\_Per1\_HwNm_fractuatorMng\_Per1\_HwMDorque\_HwNm_fractuatorMng\_Per1\_HwMDorque\_H$ | target_EOTActuatorMng_Per1_HwTorque_H   | wNm_f32                    |        |
| target_Rte_Inst_Ap_EOTActuatorMng.EOTActuatorMng_Per1_MotorVel_MtrRadpS   | target_EOTActuatorMng_Per1_MotorVel_Mt  | rRadpS_f32                 |        |
| $target\_Rte\_Inst\_Ap\_EOTActuatorMng.EOTActuatorMng\_Per1\_OutputRampMultLtd\_Inst\_Ap\_EOTActuatorMng\_Per1\_OutputRampMultLtd\_Inst\_Ap\_EOTActuatorMng\_Per1\_OutputRampMultLtd\_Inst\_Ap\_EOTActuatorMng\_Per1\_OutputRampMultLtd\_Inst\_Ap\_EOTActuatorMng\_Per1\_OutputRampMultLtd\_Inst\_Ap\_EOTActuatorMng\_Per1\_OutputRampMultLtd\_Inst\_Ap\_EOTActuatorMng\_Per1\_OutputRampMultLtd\_Inst\_Ap\_EOTActuatorMng\_Per1\_OutputRampMultLtd\_Inst\_Ap\_EOTActuatorMng\_Per1\_OutputRampMultLtd\_InstAp\_EOTActuatorMng\_Per1\_Ou$  | target_EOTActuatorMng_Per1_OutputRample | MultLtd_Uls_f32            |        |
| target_Rte_Inst_Ap_EOTActuatorMng.EOTActuatorMng_Per1_VehicleSpeed_Kph_   | target_EOTActuatorMng_Per1_VehicleSpeed | d_Kph_f32                  |        |
| Name  | Actual Value                            | Expected Value             | Result |
| EOTActuatorMng_Damping_MtrNm_M_f32  | 6.65961981                              | 6.65961981 ± 0.0000390625  | ~      |
| EOTActuatorMng_EOTImpactPos_HwDeg_M_f32   | 696                                     | 696 ± 0.0000390625         | •      |
| EOTActuatorMng_FiltEOTGainSV_HwNm_M_u1p31   | 371306994                               | 371306994 ± 1              | •      |
| EOTActuatorMng_FiltHWTrqSV_HwNm_M_s7p24   | -30988792                               | -30988792 ± 1              | ~      |
| EOTActuatorMng_OutputRampMultLtd_M_f32  | 0.25999999                              | 0.25999999 ± 0.00390625    | ~      |
| EOTActuatorMng_PrevEOTGain_Uls_M_f32  | 0.17288208                              | 0.17288208 ± 0.0625        | ~      |
| EOTActuatorMng_SESState_Uls_M_enum  | SES_DISABLED                            | SES_DISABLED               | ~      |
| target_EOTActuatorMng_Per1_AssistEOTDamping_MtrNm_f32.value   | 6.65961981                              | 6.65961981 ± 0.00048828125 | •      |
| target_EOTActuatorMng_Per1_AssistEOTGain_Uls_f32.value  | 0.17288208                              | 0.17288208 ± 0.0000390625  | ~      |
| target_EOTActuatorMng_Per1_AssistEOTLimit_MtrNm_f32.value   | 0                                       | 0 ± 0.00048828125          | ~      |

| T  |       |  |       | V        |
|--|-------|--|-------|----------|
| Actual Function                                    | Count | Expected Function                                  | Count | Result   |
| Rte_Call_EOTActuatorMng_Per1_CP0_CheckpointReached | 1     | Rte_Call_EOTActuatorMng_Per1_CP0_CheckpointReached | 1     | ~        |
| EOTDetermination                                   | 1     | EOTDetermination                                   | 1     | <b>~</b> |
| EOTOrigImpact                                      | 1     | EOTOrigImpact                                      | 1     | •        |
| IntplVarXY_u16_u16Xu16Y_Cnt                        | 1     | IntplVarXY_u16_u16Xu16Y_Cnt                        | 1     | •        |
| SES_DetLmtPos                                      | 1     | SES_DetLmtPos                                      | 1     | •        |
| SES_CalcExitGain                                   | 1     | SES_CalcExitGain                                   | 1     | ~        |
| IntplVarXY_u16_u16Xu16Y_Cnt                        | 1     | IntplVarXY_u16_u16Xu16Y_Cnt                        | 1     | ~        |
| SES_CalcEnterGain                                  | 1     | SES_CalcEnterGain                                  | 1     | ~        |
| BilinearXMYM_u16_u16XMu16YM_Cnt                    | 1     | BilinearXMYM_u16_u16XMu16YM_Cnt                    | 1     | ~        |
| SES_CalcEOTGain                                    | 1     | SES_CalcEOTGain                                    | 1     | <b>✓</b> |
| SES_FiltEOTGain                                    | 1     | SES_FiltEOTGain                                    | 1     | •        |
| SES_CalcEOTDamp                                    | 1     | SES_CalcEOTDamp                                    | 1     | •        |
| BilinearXMYM_u16_u16XMu16YM_Cnt                    | 1     | BilinearXMYM_u16_u16XMu16YM_Cnt                    | 1     | •        |
| SES_StateCtrl                                      | 1     | SES_StateCtrl                                      | 1     | ~        |
| Rte_Call_EOTActuatorMng_Per1_CP1_CheckpointReached | 1     | Rte_Call_EOTActuatorMng_Per1_CP1_CheckpointReached | 1     | ~        |

| Test Step 2.43 (Repeat Count = 1)         | <b>√</b>                          |
|---|-----------------------------------|
| Name                                      | Input Value                       |
| EOTActuatorMng_Damping_MtrNm_M_f32        | 7                                 |
| EOTActuatorMng_EOTImpactPos_HwDeg_M_f32   | 987.469971                        |
| EOTActuatorMng_FiltEOTGainSV_HwNm_M_u1p31 | 429496730                         |
| EOTActuatorMng_FiltHWTrqSV_HwNm_M_s7p24   | -33554432                         |
| EOTActuatorMng_PrevEOTGain_Uls_M_f32      | 0.40000006                        |
| EOTActuatorMng_SESState_Uls_M_enum        | SES_EXITING                       |
| Rte_Inst_Ap_EOTActuatorMng                | target_Rte_Inst_Ap_EOTActuatorMng |
| k_EOTActiveRegionBypassMaxThresh_Uls_f32  | 0.209999993                       |
| k_EOTDefltPosition_HwDeg_u12p4            | 11136                             |
| k_EOTDeltaTrqThrsh_HwNm_u9p7              | 256                               |
| k_EOTDynConf_Uls_u8p8                     | 43520                             |
| k_EOTEnterLPFKn_Cnt_u16                   | 8888                              |
| k_EOTExitLPFKn_Cnt_u16                    | 3475                              |
| k_EOTImpSpdEn_Kph_u9p7                    | 5120                              |
| k_EOTOriginalImpactandSoftEnd_Cnt_lgc     | 0                                 |
| k_EOTPosDepDempFinalSlew_MtrNmpS_T_f32    | 170.190002                        |
| k_EOTStateHwTrqLPFKn_Cnt_u16              | 3773                              |
| k_MaxRackTrvl_HwDeg_u12p4                 | 2512                              |
| k_MinRackTrvl_HwDeg_u12p4                 | 10128                             |
| k_PosRampStep_HwDeg_u12p4                 | 12064                             |
| k_SoftStopEOTEnable_Cnt_lgc               | 0                                 |
| k_SpdlptScale_MtrNmpRadpS_u4p12           | 93                                |
| t2_EOTEnterGainX_HwDeg_u12p4[0][0]        | 1344                              |
| t2_EOTEnterGainX_HwDeg_u12p4[0][1]        | 4016                              |
| t2_EOTEnterGainX_HwDeg_u12p4[0][2]        | 4032                              |
| t2_EOTEnterGainX_HwDeg_u12p4[0][3]        | 4048                              |
| t2_EOTEnterGainX_HwDeg_u12p4[1][0]        | 3104                              |
| t2_EOTEnterGainX_HwDeg_u12p4[1][1]        | 9296                              |
| t2_EOTEnterGainX_HwDeg_u12p4[1][2]        | 9312                              |
| t2_EOTEnterGainX_HwDeg_u12p4[1][3]        | 9328                              |
| t2_EOTEnterGainX_HwDeg_u12p4[2][0]        | 736                               |
| t2_EOTEnterGainX_HwDeg_u12p4[2][1]        | 2192                              |
| t2_EOTEnterGainX_HwDeg_u12p4[2][2]        | 2208                              |

2015-06-29, 18:31:27+0530



| Name  | Input Value   |
|---|---|
| t2_EOTEnterGainX_HwDeg_u12p4[2][3]  | 2224  |
| t2_EOTEnterGainX_HwDeg_u12p4[3][0]  | 1440  |
| t2_EOTEnterGainX_HwDeg_u12p4[3][1]  | 4304  |
| t2_EOTEnterGainX_HwDeg_u12p4[3][2]  | 4320  |
| t2_EOTEnterGainX_HwDeg_u12p4[3][3]  | 4336  |
| t2_EOTEnterGainY_Uls_u1p15[0][0]  | 6   |
| t2_EOTEnterGainY_Uls_u1p15[0][1]  | 7   |
| t2_EOTEnterGainY_Uls_u1p15[0][2]  | 69  |
| t2_EOTEnterGainY_Uls_u1p15[0][3]  | 668   |
| t2_EOTEnterGainY_Uls_u1p15[1][0]  | 7   |
| t2_EOTEnterGainY_Uls_u1p15[1][1]  | 8   |
| t2_EOTEnterGainY_Uls_u1p15[1][2]  | 88  |
| t2_EOTEnterGainY_Uls_u1p15[1][3]  | 859   |
| t2_EOTEnterGainY_Uls_u1p15[2][0]  | 8   |
| t2_EOTEnterGainY_UIs_u1p15[2][1]  | 9 118   |
| t2_EOTEnterGainY_Uls_u1p15[2][2]<br>t2_EOTEnterGainY_Uls_u1p15[2][3]  | 1144  |
| t2_EOTE.nerGain1_Uis_u1p15[2][0]  | 478   |
| t2_EOTEnterGainY_Uls_u1p15[3][1]  | 49  |
| t2_EOTEnterGainY_Uls_u1p15[3][2]  | 6   |
| t2_EOTEnterGainY_Uls_u1p15[3][3]  | 6   |
| t2_EOTEXPosDepDmpTblY_MtrNmpRadps_u0p16[0][0]   | 228   |
| t2_EOTEXPosDepDmpTblY_MtrNmpRadps_u0p16[0][1]   | 323   |
| t2_EOTExPosDepDmpTblY_MtrNmpRadps_u0p16[1][0]   | 168   |
| t2_EOTExPosDepDmpTblY_MtrNmpRadps_u0p16[1][1]   | 237   |
| t2_EOTExPosDepDmpTblY_MtrNmpRadps_u0p16[2][0]   | 183   |
| t2_EOTExPosDepDmpTblY_MtrNmpRadps_u0p16[2][1]   | 259   |
| t2_EOTExPosDepDmpTblY_MtrNmpRadps_u0p16[3][0]   | 213   |
| t2_EOTExPosDepDmpTblY_MtrNmpRadps_u0p16[3][1]   | 302   |
| t2_EOTPosDepDmpTblX_HwDeg_u12p4[0][0]   | 864   |
| t2_EOTPosDepDmpTbIX_HwDeg_u12p4[0][1]   | 1248  |
| t2_EOTPosDepDmpTbIX_HwDeg_u12p4[1][0]   | 1008  |
| t2_EOTPosDepDmpTblX_HwDeg_u12p4[1][1]   | 1392  |
| t2_EOTPosDepDmpTblX_HwDeg_u12p4[2][0]   | 720   |
| t2_EOTPosDepDmpTblX_HwDeg_u12p4[2][1]   | 1104  |
| t2_EOTPosDepDmpTblX_HwDeg_u12p4[3][0]   | 816   |
| t2_EOTPosDepDmpTblX_HwDeg_u12p4[3][1]   | 4192  |
| t2_EOTPosDepDmpTblY_MtrNmpRadpS_u0p16[0][0]   | 22  |
| t2_EOTPosDepDmpTblY_MtrNmpRadpS_u0p16[0][1]   | 153   |
| t2_EOTPosDepDmpTblY_MtrNmpRadpS_u0p16[1][0]   | 10  |
| t2_EOTPosDepDmpTblY_MtrNmpRadpS_u0p16[1][1]   | 452<br>198  |
| t2_EOTPosDepDmpTbIY_MtrNmpRadpS_u0p16[2][0] t2_EOTPosDepDmpTbIY_MtrNmpRadpS_u0p16[2][1]                           | 280   |
| t2_EOTPosDepDmpTblY_MtrNmpRadpS_u0p16[3][0]   | 289   |
| t2 EOTPosDepDmpTblY MtrNmpRadpS u0p16[3][1]   | 409   |
| t_EOTDmpVspd_Kph_u9p7[0]  | 8960  |
| t EOTDmpVspd Kph u9p7[1]  | 26752   |
| t EOTDmpVspd Kph u9p7[2]  | 26880   |
| t EOTDmpVspd Kph u9p7[3]  | 27008   |
| t_EOTEnterGainVspd_Kph_u9p7[0]  | 8960  |
| t_EOTEnterGainVspd_Kph_u9p7[1]  | 26752   |
| t_EOTEnterGainVspd_Kph_u9p7[2]  | 26880   |
| t_EOTEnterGainVspd_Kph_u9p7[3]  | 27008   |
| t_SpdlptTblXTbl_HwDeg_u12p4[0]  | 480   |
| t_SpdlptTblXTbl_HwDeg_u12p4[1]  | 864   |
| t_SpdlptTblYTbl_MtrRadpS_u12p4[0]   | 800   |
| t_SpdlptTblYTbl_MtrRadpS_u12p4[1]   | 1184  |
| t_TrqTableX_HwNm_u8p8[0]  | 256   |
| t_TrqTableX_HwNm_u8p8[1]  | 512   |
| t_TrqTblY_Uls_u2p14[0]  | 590   |
| t_TrqTblY_Uls_u2p14[1]  | 672   |
| target_EOTActuatorMng_Per1_CcwEOT_HwDeg_f32.value   | -111.025002   |
| target_EOTActuatorMng_Per1_CcwFound_Cnt_lgc.value   | 1   |
| target_EOTActuatorMng_Per1_CwEOT_HwDeg_f32.value  | 656.489014  |
| target_EOTActuatorMng_Per1_CwFound_Cnt_lgc.value  | 0   |
| target_EOTActuatorMng_Per1_EOTDisable_Cnt_lgc.value   | 0   |
| target_EOTActuatorMng_Per1_HandWheelAuth_Uls_f32.value  | 0.620000005   |
| target_EOTActuatorMng_Per1_HandWheelPos_HwDeg_f32.value   | -777.450012<br>n econogo                              |
| target_EOTActuatorMng_Per1_HwTorque_HwNm_f32.value target_EOTActuatorMng_Per1_MotorVel_MtrRadpS_f32.value         | -0.660000026<br>650                                   |
| target_EOTActuatorMng_Per1_Motorvei_mtrRadps_f32.value target_EOTActuatorMng_Per1_OutputRampMultLtd_Uls_f32.value | 0.2599999   |
| target_EOTActuatorMng_Per1_VehicleSpeed_Kph_f32.value   | 1.48699999  |
|   | target_EOTActuatorMng_Per1_AssistEOTDamping_MtrNm_f32 |
| target Rte Inst Ap EOTActuatorMng EOTActuatorMng Per1 AssistEOTDamping  |   |



| Name  | Input Value   |                            |        |
|---|---|----------------------------|--------|
| target_Rte_Inst_Ap_EOTActuatorMng.EOTActuatorMng_Per1_AssistEOTGain_Uls_  | target_EOTActuatorMng_Per1_AssistEOTGa                  | in_Uls_f32                 |        |
| $target\_Rte\_Inst\_Ap\_EOTActuatorMng.EOTActuatorMng\_Per1\_AssistEOTLimit\_Mtr1$  | target_EOTActuatorMng_Per1_AssistEOTLin                 | nit_MtrNm_f32              |        |
| target_Rte_Inst_Ap_EOTActuatorMng.EOTActuatorMng_Per1_CcwEOT_HwDeg_f3   | target_EOTActuatorMng_Per1_CcwEOT_Hw                    | Deg_f32                    |        |
| $target\_Rte\_Inst\_Ap\_EOTActuatorMng.EOTActuatorMng\_Per1\_CcwFound\_Cnt\_lgc$  | target_EOTActuatorMng_Per1_CcwFound_C                   | :nt_lgc                    |        |
| target_Rte_Inst_Ap_EOTActuatorMng.EOTActuatorMng_Per1_CwEOT_HwDeg_f32   | target_EOTActuatorMng_Per1_CwEOT_HwDeg_f32              |                            |        |
| target_Rte_Inst_Ap_EOTActuatorMng.EOTActuatorMng_Per1_CwFound_Cnt_Igc   | target_EOTActuatorMng_Per1_CwFound_Cr                   | nt_lgc                     |        |
| target Rte Inst Ap EOTActuatorMng.EOTActuatorMng Per1 EOTDisable Cnt Igc  | target_EOTActuatorMng_Per1_EOTDisable_                  | Cnt_lgc                    |        |
| $target\_Rte\_Inst\_Ap\_EOTActuatorMng.EOTActuatorMng\_Per1\_HandWheelAuth\_Ulstarget\_Rte\_Inst\_Ap\_EOTActuatorMng.EOTActuatorMng\_Per1\_HandWheelAuth\_Ulstarget\_Rte\_Inst\_Ap\_EOTActuatorMng.EOTActuatorMng\_Per1\_HandWheelAuth\_Ulstarget\_Rte\_Inst\_Ap\_EOTActuatorMng.EOTActuatorMng\_Per1\_HandWheelAuth\_Ulstarget\_Rte\_Inst\_Ap\_EOTActuatorMng.EOTActuatorMng\_Per1\_HandWheelAuth\_Ulstarget\_Rte\_Inst\_Ap\_EOTActuatorMng.EOTAc$   | target_EOTActuatorMng_Per1_HandWheelA                   | uth_Uls_f32                |        |
| target_Rte_Inst_Ap_EOTActuatorMng.EOTActuatorMng_Per1_HandWheelPos_Hwl  | target_EOTActuatorMng_Per1_HandWheelP                   | os_HwDeg_f32               |        |
| $target\_Rte\_Inst\_Ap\_EOTActuatorMng.EOTActuatorMng\_Per1\_HwTorque\_HwNm\_fractures and the property of the proper$  | _f: target_EOTActuatorMng_Per1_HwTorque_HwNm_f32        |                            |        |
| target_Rte_Inst_Ap_EOTActuatorMng.EOTActuatorMng_Per1_MotorVel_MtrRadpS   | S target_EOTActuatorMng_Per1_MotorVel_MtrRadpS_f32      |                            |        |
| $target\_Rte\_Inst\_Ap\_EOTActuatorMng.EOTActuatorMng\_Per1\_OutputRampMultLtd\_Inst\_Ap\_EOTActuatorMng\_Per1\_OutputRampMultLtd\_Inst\_Ap\_EOTActuatorMng\_Per1\_OutputRampMultLtd\_Inst\_Ap\_EOTActuatorMng\_Per1\_OutputRampMultLtd\_Inst\_Ap\_EOTActuatorMng\_Per1\_OutputRampMultLtd\_Inst\_Ap\_EOTActuatorMng\_Per1\_OutputRampMultLtd\_InstAp\_EOTActuatorMng\_Per1\_Outpu$ | td_target_EOTActuatorMng_Per1_OutputRampMultLtd_Uls_f32 |                            |        |
| target_Rte_Inst_Ap_EOTActuatorMng.EOTActuatorMng_Per1_VehicleSpeed_Kph_   | target_EOTActuatorMng_Per1_VehicleSpeed_Kph_f32         |                            |        |
| Name  | Actual Value  | Expected Value             | Result |
| EOTActuatorMng_Damping_MtrNm_M_f32  | 6.65961981  | 6.65961981 ± 0.0000390625  | ~      |
| EOTActuatorMng_EOTImpactPos_HwDeg_M_f32   | 696   | 696 ± 0.0000390625         | ~      |
| EOTActuatorMng_FiltEOTGainSV_HwNm_M_u1p31   | 452271880   | 452271880 ± 1              | ~      |
| EOTActuatorMng_FiltHWTrqSV_HwNm_M_s7p24   | -30988792   | -30988792 ± 1              | ~      |
| EOTActuatorMng_OutputRampMultLtd_M_f32  | 0.25999999  | 0.25999999 ± 0.00390625    | ~      |
| EOTActuatorMng_PrevEOTGain_Uls_M_f32  | 0.210601807   | 0.210601807 ± 0.0625       | ~      |
| EOTActuatorMng_SESState_Uls_M_enum  | SES_DISABLED  | SES_DISABLED               | ~      |
| target_EOTActuatorMng_Per1_AssistEOTDamping_MtrNm_f32.value   | 6.65961981  | 6.65961981 ± 0.00048828125 | ~      |
| target_EOTActuatorMng_Per1_AssistEOTGain_Uls_f32.value  | 0.210601807   | 0.210601807 ± 0.0000390625 | ~      |
| target_EOTActuatorMng_Per1_AssistEOTLimit_MtrNm_f32.value   | 0   | 0 ± 0.00048828125          | ~      |

| au   |       |  |       |          |
|--|-------|--|-------|----------|
| Actual Function                                    | Count | Expected Function                                  | Count | Result   |
| Rte_Call_EOTActuatorMng_Per1_CP0_CheckpointReached | 1     | Rte_Call_EOTActuatorMng_Per1_CP0_CheckpointReached | 1     | ~        |
| EOTDetermination                                   | 1     | EOTDetermination                                   | 1     | ~        |
| EOTOrigImpact                                      | 1     | EOTOrigImpact                                      | 1     | ~        |
| IntplVarXY_u16_u16Xu16Y_Cnt                        | 1     | IntplVarXY_u16_u16Xu16Y_Cnt                        | 1     | <b>✓</b> |
| SES_DetLmtPos                                      | 1     | SES_DetLmtPos                                      | 1     | ~        |
| SES_CalcExitGain                                   | 1     | SES_CalcExitGain                                   | 1     | ~        |
| IntplVarXY_u16_u16Xu16Y_Cnt                        | 1     | IntplVarXY_u16_u16Xu16Y_Cnt                        | 1     | -        |
| SES_CalcEnterGain                                  | 1     | SES_CalcEnterGain                                  | 1     | ~        |
| BilinearXMYM_u16_u16XMu16YM_Cnt                    | 1     | BilinearXMYM_u16_u16XMu16YM_Cnt                    | 1     | -        |
| SES_CalcEOTGain                                    | 1     | SES_CalcEOTGain                                    | 1     | ~        |
| SES_FiltEOTGain                                    | 1     | SES_FiltEOTGain                                    | 1     | ~        |
| SES_CalcEOTDamp                                    | 1     | SES_CalcEOTDamp                                    | 1     | <b>~</b> |
| BilinearXMYM_u16_u16XMu16YM_Cnt                    | 1     | BilinearXMYM_u16_u16XMu16YM_Cnt                    | 1     | <b>~</b> |
| SES_StateCtrl                                      | 1     | SES_StateCtrl                                      | 1     | <b>~</b> |
| Rte Call EOTActuatorMng Per1 CP1 CheckpointReached | 1     | Rte Call EOTActuatorMng Per1 CP1 CheckpointReached | 1     | <b>✓</b> |

| Test Sten 2 44 (Penest Count = 4)         |                                   |
|---|-----------------------------------|
| Test Step 2.44 (Repeat Count = 1)         | <u> </u>                          |
| Name                                      | Input Value                       |
| EOTActuatorMng_Damping_MtrNm_M_f32        | 7.19999981                        |
| EOTActuatorMng_EOTImpactPos_HwDeg_M_f32   | 133.279999                        |
| EOTActuatorMng_FiltEOTGainSV_HwNm_M_u1p31 | 0                                 |
| EOTActuatorMng_FiltHWTrqSV_HwNm_M_s7p24   | 50331648                          |
| EOTActuatorMng_PrevEOTGain_UIs_M_f32      | 0.300000012                       |
| EOTActuatorMng_SESState_Uls_M_enum        | SES_NORMAL                        |
| Rte_Inst_Ap_EOTActuatorMng                | target_Rte_Inst_Ap_EOTActuatorMng |
| k_EOTActiveRegionBypassMaxThresh_Uls_f32  | 0.86500001                        |
| k_EOTDefltPosition_HwDeg_u12p4            | 11152                             |
| k_EOTDeltaTrqThrsh_HwNm_u9p7              | 384                               |
| k_EOTDynConf_Uls_u8p8                     | 46080                             |
| k_EOTEnterLPFKn_Cnt_u16                   | 9999                              |
| k_EOTExitLPFKn_Cnt_u16                    | 2534                              |
| k_EOTImpSpdEn_Kph_u9p7                    | 5248                              |
| k_EOTOriginalImpactandSoftEnd_Cnt_lgc     | 1                                 |
| k_EOTPosDepDempFinalSlew_MtrNmpS_T_f32    | 174.240005                        |
| k_EOTStateHwTrqLPFKn_Cnt_u16              | 6444                              |
| k_MaxRackTrvl_HwDeg_u12p4                 | 2528                              |
| k_MinRackTrvl_HwDeg_u12p4                 | 14240                             |
| k_PosRampStep_HwDeg_u12p4                 | 10192                             |
| k_SoftStopEOTEnable_Cnt_lgc               | 1                                 |
| k_SpdlptScale_MtrNmpRadpS_u4p12           | 93                                |
| t2_EOTEnterGainX_HwDeg_u12p4[0][0]        | 1360                              |
| t2_EOTEnterGainX_HwDeg_u12p4[0][1]        | 4064                              |
| t2_EOTEnterGainX_HwDeg_u12p4[0][2]        | 4080                              |

2015-06-29, 18:31:27+0530



| EOTActuatorMng_Per1  | MACIL         |
|--|---------------|
| Name   | Input Value   |
| t2_EOTEnterGainX_HwDeg_u12p4[0][3]                                   | 4096          |
| t2_EOTEnterGainX_HwDeg_u12p4[1][0]                                   | 3120          |
| t2_EOTEnterGainX_HwDeg_u12p4[1][1]                                   | 9344          |
| t2_EOTEnterGainX_HwDeg_u12p4[1][2]                                   | 9360          |
| t2_EOTEnterGainX_HwDeg_u12p4[1][3]                                   | 9376          |
| t2_EOTEnterGainX_HwDeg_u12p4[2][0]                                   | 752           |
| t2_EOTEnterGainX_HwDeg_u12p4[2][1]                                   | 2240          |
| t2_EOTEnterGainX_HwDeg_u12p4[2][2]                                   | 2256          |
| t2_EOTEnterGainX_HwDeg_u12p4[2][3]                                   | 2272          |
| t2_EOTEnterGainX_HwDeg_u12p4[3][0]                                   | 144           |
| t2_EOTEnterGainX_HwDeg_u12p4[3][1]                                   | 960           |
| t2_EOTEnterGainX_HwDeg_u12p4[3][2]                                   | 1440          |
| t2_EOTEnterGainX_HwDeg_u12p4[3][3]                                   | 2848          |
| t2_EOTEnterGainY_Uls_u1p15[0][0]                                     | 7             |
| t2_EOTEnterGainY_Uls_u1p15[0][1]                                     | 7             |
| t2_EOTEnterGainY_Uls_u1p15[0][2]                                     | 78            |
| t2_EOTEnterGainY_Uls_u1p15[0][3]                                     | 763<br>7      |
| t2_EOTEnterGainY_Uls_u1p15[1][0]<br>t2_EOTEnterGainY_Uls_u1p15[1][1] | 8             |
| t2_EOTEInerGain1_ois_u1p15[1][1]<br>t2_EOTEnterGain1_Uls_u1p15[1][2] | 98            |
| t2_EOTEnterGainY_Uls_u1p15[1][3]                                     | 954           |
| t2_EOTEInerGain1_ois_u1p15[1][0]<br>t2_EOTEnterGainY_Uls_u1p15[2][0] | 8             |
| t2_EOTEnterGainY_Uls_u1p15[2][1]                                     | 9             |
| t2_EOTEnterGain1_ols_u1p15[2][1] t2_EOTEnterGain1_ols_u1p15[2][2]    | 127           |
| t2_EOTEInerGain1_ois_u1p15[2][2]<br>t2_EOTEInerGain1_ois_u1p15[2][3] | 1239          |
| t2_EOTEnterGainY_Uls_u1p15[3][0]                                     | 573           |
| t2_EOTEnterGainY_Uls_u1p15[3][1]                                     | 59            |
| t2_EOTEnterGainY_Uls_u1p15[3][2]                                     | 6             |
| t2_EOTEnterGainY_Uls_u1p15[3][3]                                     | 7             |
| t2_EOTExPosDepDmpTblY_MtrNmpRadps_u0p16[0][0]                        | 243           |
| t2_EOTExPosDepDmpTblY_MtrNmpRadps_u0p16[0][1]                        | 345           |
| t2_EOTExPosDepDmpTblY_MtrNmpRadps_u0p16[1][0]                        | 183           |
| t2_EOTExPosDepDmpTblY_MtrNmpRadps_u0p16[1][1]                        | 259           |
| t2_EOTExPosDepDmpTblY_MtrNmpRadps_u0p16[2][0]                        | 198           |
| t2_EOTExPosDepDmpTblY_MtrNmpRadps_u0p16[2][1]                        | 280           |
| t2_EOTExPosDepDmpTblY_MtrNmpRadps_u0p16[3][0]                        | 228           |
| t2_EOTExPosDepDmpTblY_MtrNmpRadps_u0p16[3][1]                        | 323           |
| t2_EOTPosDepDmpTblX_HwDeg_u12p4[0][0]                                | 880           |
| t2_EOTPosDepDmpTblX_HwDeg_u12p4[0][1]                                | 1264          |
| t2_EOTPosDepDmpTblX_HwDeg_u12p4[1][0]                                | 1024          |
| t2_EOTPosDepDmpTblX_HwDeg_u12p4[1][1]                                | 1408          |
| t2_EOTPosDepDmpTblX_HwDeg_u12p4[2][0]                                | 736           |
| t2_EOTPosDepDmpTblX_HwDeg_u12p4[2][1]                                | 1120          |
| t2_EOTPosDepDmpTblX_HwDeg_u12p4[3][0]                                | 1920          |
| t2_EOTPosDepDmpTblX_HwDeg_u12p4[3][1]                                | 2240          |
| t2_EOTPosDepDmpTblY_MtrNmpRadpS_u0p16[0][0]                          | 237           |
| t2_EOTPosDepDmpTblY_MtrNmpRadpS_u0p16[0][1]                          | 367           |
| t2_EOTPosDepDmpTblY_MtrNmpRadpS_u0p16[1][0]                          | 68            |
| t2_EOTPosDepDmpTblY_MtrNmpRadpS_u0p16[1][1]                          | 52            |
| t2_EOTPosDepDmpTblY_MtrNmpRadpS_u0p16[2][0]                          | 213           |
| t2_EOTPosDepDmpTblY_MtrNmpRadpS_u0p16[2][1]                          | 302           |
| t2_EOTPosDepDmpTblY_MtrNmpRadpS_u0p16[3][0]                          | 304           |
| t2_EOTPosDepDmpTblY_MtrNmpRadpS_u0p16[3][1]                          | 431           |
| t_EOTDmpVspd_Kph_u9p7[0]   | 9088          |
| t_EOTDmpVspd_Kph_u9p7[1]   | 27136         |
| t_EOTDmpVspd_Kph_u9p7[2]   | 27264         |
| t_EOTDmpVspd_Kph_u9p7[3]   | 27392         |
| t_EOTEnterGainVspd_Kph_u9p7[0]<br>t_EOTEnterGainVspd_Kph_u9p7[1]     | 9088<br>27136 |
| t_EOTEnterGainVspd_Kph_u9p7[i]<br>t_EOTEnterGainVspd_Kph_u9p7[2]     | 27264         |
| t_EOTEnterGainVspd_Kph_u9p7[3]                                       | 27392         |
| t_SpdlptTblXTbl_HwDeg_u12p4[0]                                       | 496           |
| t_SpdiptTbiXTbi_fiwDeg_u12p4[0]                                      | 880           |
| t_SpdlptTbl/Tbl_Hwbcg_u12p4[1]                                       | 992           |
| t_SpdlptTbl/Tbl_MtrRadpS_u12p4[0]                                    | 1376          |
| t_TrqTableX_HwNm_u8p8[0]   | 0             |
| t_TrqTableX_HwNm_u8p8[1]   | 512           |
| t_TrqTblY_Uls_u2p14[0]   | 606           |
| t_TrqTblY_Uls_u2p14[1]   | 688           |
| target_EOTActuatorMng_Per1_CcwEOT_HwDeg_f32.value                    | -876.752014   |
| target_EOTActuatorMng_Per1_CcwFound_Cnt_lgc.value                    | 0             |
| target_EOTActuatorMng_Per1_CwEOT_HwDeg_f32.value                     | 550.286987    |
| target_EOTActuatorMng_Per1_CwFound_Cnt_lgc.value                     | 1             |



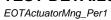
| Name   | Input Value  |                           |        |
|--|--|---------------------------|--------|
| target_EOTActuatorMng_Per1_EOTDisable_Cnt_lgc.value  | 1  |                           |        |
| target_EOTActuatorMng_Per1_HandWheelAuth_Uls_f32.value   | 0.93999998   |                           |        |
| target_EOTActuatorMng_Per1_HandWheelPos_HwDeg_f32.value  | 888.896973   |                           |        |
| target_EOTActuatorMng_Per1_HwTorque_HwNm_f32.value   | 0.769999981  |                           |        |
| target_EOTActuatorMng_Per1_MotorVel_MtrRadpS_f32.value   | -650   |                           |        |
| target_EOTActuatorMng_Per1_OutputRampMultLtd_Uls_f32.value   | 0.342999995  |                           |        |
| target_EOTActuatorMng_Per1_VehicleSpeed_Kph_f32.value  | 2.89700007   |                           |        |
| $target\_Rte\_Inst\_Ap\_EOTActuatorMng.EOTActuatorMng\_Per1\_AssistEOTDamping\_Results (Application of the Company of$  | target_EOTActuatorMng_Per1_AssistEOTDa                   | mping_MtrNm_f32           |        |
| $target\_Rte\_Inst\_Ap\_EOTActuatorMng.EOTActuatorMng\_Per1\_AssistEOTGain\_Uls\_Inst\_Ap\_EOTActuatorMng\_Per1\_AssistEOTGain\_Uls\_Inst\_Ap\_EOTActuatorMng\_Per1\_AssistEOTGain\_Uls\_Inst\_Ap\_EOTActuatorMng\_Per1\_AssistEOTGain\_Uls\_Inst\_Ap\_EOTActuatorMng\_Per1\_AssistEOTGain\_Uls\_Inst\_Ap\_EOTActuatorMng\_Per1\_AssistEOTGain\_Uls\_Inst\_Ap\_EOTActuatorMng\_Per1\_AssistEOTGain\_Uls\_Inst\_Ap\_EOTActuatorMng\_Per1\_AssistEOTGain\_Uls\_Inst\_Ap\_EOTActuatorMng\_Per1\_AssistEOTGain\_Uls\_Inst\_Ap\_EOTActuatorMng\_Per1\_AssistEOTGain\_Uls\_Inst\_Ap\_EOTActuatorMng\_Per1\_AssistEOTGain\_Uls\_Inst_Ap\_EOTActuatorMng\_Per1\_AssistEOTGain\_Uls\_Inst_Ap\_EOTActuatorMng\_Per1\_AssistEOTGain\_Uls\_Inst_Ap\_EOTActuatorMng\_Per1\_AssistEOTGain\_Uls\_Inst_Ap\_EOTActuatorMng\_Per1\_AssistEOTGain\_Uls\_Inst_Ap\_EOTActuatorMng\_Per1\_AssistEOTGain\_Uls\_Inst_Ap\_EOTActuatorMng\_Per1\_AssistEOTGain\_Uls\_Ap\_EOTActuatorMng\_AssistEOTActuatorMng\_Ap\_EOTActuatorMng\_ApACtuatorMng$         | ls_ target_EOTActuatorMng_Per1_AssistEOTGain_Uls_f32     |                           |        |
| $target\_Rte\_Inst\_Ap\_EOTActuatorMng.EOTActuatorMng\_Per1\_AssistEOTLimit\_Mtr?$   | trrt target_EOTActuatorMng_Per1_AssistEOTLimit_MtrNm_f32 |                           |        |
| target_Rte_Inst_Ap_EOTActuatorMng.EOTActuatorMng_Per1_CcwEOT_HwDeg_f3  | f3 target_EOTActuatorMng_Per1_CcwEOT_HwDeg_f32           |                           |        |
| $target\_Rte\_Inst\_Ap\_EOTActuatorMng.EOTActuatorMng\_Per1\_CcwFound\_Cnt\_lgc$   | target_EOTActuatorMng_Per1_CcwFound_Cnt_lgc              |                           |        |
| target_Rte_Inst_Ap_EOTActuatorMng.EOTActuatorMng_Per1_CwEOT_HwDeg_f32  | 32 target_EOTActuatorMng_Per1_CwEOT_HwDeg_f32            |                           |        |
| target_Rte_Inst_Ap_EOTActuatorMng.EOTActuatorMng_Per1_CwFound_Cnt_Igc  |  |                           |        |
| target_Rte_Inst_Ap_EOTActuatorMng.EOTActuatorMng_Per1_EOTDisable_Cnt_lgc   | lgc target_EOTActuatorMng_Per1_EOTDisable_Cnt_lgc        |                           |        |
| target Rte Inst Ap EOTActuatorMng.EOTActuatorMng Per1 HandWheelAuth Uls  | Uls target_EOTActuatorMng_Per1_HandWheelAuth_Uls_f32     |                           |        |
| target_Rte_Inst_Ap_EOTActuatorMng.EOTActuatorMng_Per1_HandWheelPos_Hwl   | _Hwl target_EOTActuatorMng_Per1_HandWheelPos_HwDeg_f32   |                           |        |
| $target\_Rte\_Inst\_Ap\_EOTActuatorMng.EOTActuatorMng\_Per1\_HwTorque\_HwNm\_fractuatorMng\_Per1\_HwTorque\_HwMp_FractuatorMng\_Per1\_HwMp_FractuatorMng\_Per1\_HwMp_FractuatorMng\_Per1\_HwMp_FractuatorMng\_Per1\_HwMp_FractuatorMng\_Per1\_HwMp_FractuatorMng\_Per1\_HwMp_FractuatorMng\_Per1\_HwMp_FractuatorMng\_Per1\_HwMp_FractuatorMng\_Per1\_HwMp_FractuatorMng\_Per1\_HwMp_FractuatorMng\_Per1\_HwMp_FractuatorMng\_Per1\_HwMp_FractuatorMng\_Per1\_HwMp_FractuatorMng\_Per1\_HwMp_FractuatorMng\_Per1\_HwMp_FractuatorMng\_Per1\_HwMp_FractuatorMng\_Per1\_HwMp_FractuatorMng\_Per$ | m_f_target_EOTActuatorMng_Per1_HwTorque_HwNm_f32         |                           |        |
| $target\_Rte\_Inst\_Ap\_EOTActuatorMng.EOTActuatorMng\_Per1\_MotorVel\_MtrRadpS\_Results and the start of the start $   | lpS target_EOTActuatorMng_Per1_MotorVel_MtrRadpS_f32     |                           |        |
| $target\_Rte\_Inst\_Ap\_EOTActuatorMng.EOTActuatorMng\_Per1\_OutputRampMultLtd\_Inst\_Ap\_EOTActuatorMng\_Per1\_OutputRampMultLtd\_Inst\_Ap\_EOTActuatorMng\_Per1\_OutputRampMultLtd\_Inst\_Ap\_EOTActuatorMng\_Per1\_OutputRampMultLtd\_Inst\_Ap\_EOTActuatorMng\_Per1\_OutputRampMultLtd\_InstAp\_EOTActuatorMng\_Per1\_Output$   | Ltd_target_EOTActuatorMng_Per1_OutputRampMultLtd_Uls_f32 |                           |        |
| target_Rte_Inst_Ap_EOTActuatorMng.EOTActuatorMng_Per1_VehicleSpeed_Kph_  | target_EOTActuatorMng_Per1_VehicleSpeed                  | I_Kph_f32                 |        |
| Name   | Actual Value   | Expected Value            | Result |
| FOTA strategillar Domning Marklim M 522  | 6.05151050   | 6.05450006 + 0.0000000605 |        |

| Name  | Actual Value    | Expected Value                 | Result   |
|---|-----------------|--------------------------------|----------|
| EOTActuatorMng_Damping_MtrNm_M_f32                          | 6.85151958      | 6.85152006 ± 0.0000390625      | •        |
| EOTActuatorMng_EOTImpactPos_HwDeg_M_f32                     | 133.279999      | 133.279999 ± 0.0000390625      | <b>✓</b> |
| EOTActuatorMng_FiltEOTGainSV_HwNm_M_u1p31                   | 69993           | 69993 ± 1                      | •        |
| EOTActuatorMng_FiltHWTrqSV_HwNm_M_s7p24                     | 46652124        | 46652124 ± 1                   | <b>✓</b> |
| EOTActuatorMng_OutputRampMultLtd_M_f32                      | 0.342999995     | 0.342999995 ± 0.00390625       | ~        |
| EOTActuatorMng_PrevEOTGain_Uls_M_f32                        | 3.05175781e-005 | 3.04999994e-005 ± 0.0625       | •        |
| EOTActuatorMng_SESState_Uls_M_enum                          | SES_DISABLED    | SES_DISABLED                   | •        |
| target_EOTActuatorMng_Per1_AssistEOTDamping_MtrNm_f32.value | 6.85151958      | 6.85152006 ± 0.00048828125     | •        |
| target_EOTActuatorMng_Per1_AssistEOTGain_Uls_f32.value      | 3.05175781e-005 | 3.04999994e-005 ± 0.0000390625 | ~        |
| target_EOTActuatorMng_Per1_AssistEOTLimit_MtrNm_f32.value   | 8.80000019      | 8.80000019 ± 0.00048828125     | ~        |

| Τ  |       |  |       | <b>✓</b> |
|--|-------|--|-------|----------|
| Actual Function                                    | Count | Expected Function                                  | Count | Result   |
| Rte_Call_EOTActuatorMng_Per1_CP0_CheckpointReached | 1     | Rte_Call_EOTActuatorMng_Per1_CP0_CheckpointReached | 1     | ~        |
| EOTDetermination                                   | 1     | EOTDetermination                                   | 1     | •        |
| SES_DetLmtPos                                      | 1     | SES_DetLmtPos                                      | 1     | ~        |
| SES_CalcExitGain                                   | 1     | SES_CalcExitGain                                   | 1     | •        |
| IntplVarXY_u16_u16Xu16Y_Cnt                        | 1     | IntplVarXY_u16_u16Xu16Y_Cnt                        | 1     | •        |
| SES_CalcEnterGain                                  | 1     | SES_CalcEnterGain                                  | 1     | •        |
| BilinearXMYM_u16_u16XMu16YM_Cnt                    | 1     | BilinearXMYM_u16_u16XMu16YM_Cnt                    | 1     | •        |
| SES_CalcEOTGain                                    | 1     | SES_CalcEOTGain                                    | 1     | <b>✓</b> |
| SES_FiltEOTGain                                    | 1     | SES_FiltEOTGain                                    | 1     | ~        |
| SES_CalcEOTDamp                                    | 1     | SES_CalcEOTDamp                                    | 1     | <b>✓</b> |
| BilinearXMYM_u16_u16XMu16YM_Cnt                    | 1     | BilinearXMYM_u16_u16XMu16YM_Cnt                    | 1     | ~        |
| SES_StateCtrl                                      | 1     | SES_StateCtrl                                      | 1     | ~        |
| Rte_Call_EOTActuatorMng_Per1_CP1_CheckpointReached | 1     | Rte Call EOTActuatorMng Per1 CP1 CheckpointReached | 1     | ~        |

| Test Step 2.45 (Repeat Count = 1)         | ✓                                 |
|---|-----------------------------------|
| Name                                      | Input Value                       |
| EOTActuatorMng_Damping_MtrNm_M_f32        | 7.4000001                         |
| EOTActuatorMng_EOTImpactPos_HwDeg_M_f32   | 575.609985                        |
| EOTActuatorMng_FiltEOTGainSV_HwNm_M_u1p31 | 2147483648                        |
| EOTActuatorMng_FiltHWTrqSV_HwNm_M_s7p24   | -50331648                         |
| EOTActuatorMng_PrevEOTGain_UIs_M_f32      | 0.200000003                       |
| EOTActuatorMng_SESState_Uls_M_enum        | SES_ENTERING                      |
| Rte_Inst_Ap_EOTActuatorMng                | target_Rte_Inst_Ap_EOTActuatorMng |
| k_EOTActiveRegionBypassMaxThresh_Uls_f32  | 0.0430000015                      |
| k_EOTDefltPosition_HwDeg_u12p4            | 11168                             |
| k_EOTDeltaTrqThrsh_HwNm_u9p7              | 512                               |
| k_EOTDynConf_Uls_u8p8                     | 0                                 |
| k_EOTEnterLPFKn_Cnt_u16                   | 543                               |
| k_EOTExitLPFKn_Cnt_u16                    | 8656                              |
| k_EOTImpSpdEn_Kph_u9p7                    | 5376                              |
| k_EOTOriginalImpactandSoftEnd_Cnt_lgc     | 0                                 |
| k_EOTPosDepDempFinalSlew_MtrNmpS_T_f32    | 178.289993                        |
| k_EOTStateHwTrqLPFKn_Cnt_u16              | 7559                              |
| k_MaxRackTrvl_HwDeg_u12p4                 | 2544                              |
| k_MinRackTrvl_HwDeg_u12p4                 | 15760                             |

2015-06-29, 18:31:27+0530





| Name  | Input Value   |
|---|---------------|
| c_PosRampStep_HwDeg_u12p4   | 5984          |
| c_SoftStopEOTEnable_Cnt_lgc   | 1             |
| s_SpdlptScale_MtrNmpRadpS_u4p12   | 93            |
| 2_EOTEnterGainX_HwDeg_u12p4[0][0]   | 1376          |
| 2_EOTEnterGainX_HwDeg_u12p4[0][1]   | 4112          |
| 2_EOTEnterGainX_HwDeg_u12p4[0][2]   | 4128          |
| 2_EOTEnterGainX_HwDeg_u12p4[0][3]   | 4144          |
| 2_EOTEnterGainX_HwDeg_u12p4[1][0]   | 3136          |
| 2_EOTEnterGainX_HwDeg_u12p4[1][1]   | 9392          |
| 2_EOTEnterGainX_HwDeg_u12p4[1][2]   | 9408          |
| 2_EOTEnterGainX_HwDeg_u12p4[1][3]   | 9424          |
| 2_EOTEnterGainX_HwDeg_u12p4[2][0]   | 768           |
| 2_EOTEnterGainX_HwDeg_u12p4[2][1]   | 2288          |
| 2_EOTEnterGainX_HwDeg_u12p4[2][2]   | 2304          |
| 2_EOTEnterGainX_HwDeg_u12p4[2][3]   | 2320          |
| 2_EOTEnterGainX_HwDeg_u12p4[3][0]   | 672           |
| 2_EOTEnterGainX_HwDeg_u12p4[3][1]   | 2000          |
| 2_EOTEnterGainX_HwDeg_u12p4[3][2]   | 2016          |
| 2_EOTEnterGainX_HwDeg_u12p4[3][3]   | 2032          |
| 2_EOTEnterGainY_Uls_u1p15[0][0]   | 7             |
| 2_EOTEnterGainY_Uls_u1p15[0][1]   | 8             |
| 2_EOTEnterGainY_Uls_u1p15[0][2]   | 88            |
| 2_EOTEnterGainY_Uls_u1p15[0][3]   | 859           |
| 2_EOTEnterGainY_Uls_u1p15[1][0]   | 8             |
| 2_EOTEnterGainY_Uls_u1p15[1][1]   | 8             |
| 2_EOTEnterGainY_Uls_u1p15[1][2]   | 108           |
| 2_EOTEnterGainY_Uls_u1p15[1][3]   | 1049          |
| 2_EOTEnterGainY_Uls_u1p15[2][0]   | 9             |
| 2_EOTEnterGainY_Uls_u1p15[2][1]   | 9             |
| 2_EOTEnterGainY_Uls_u1p15[2][2]   | 137           |
| 2_EOTEnterGainY_Uls_u1p15[2][3]   | 1334          |
| 2_EOTEnterGainY_Uls_u1p15[3][0]   | 668           |
| 2_EOTEnterGainY_Uls_u1p15[3][1]   | 69            |
| 2_EOTEnterGainY_Uls_u1p15[3][2]   | 6             |
| 2_EOTEnterGainY_Uls_u1p15[3][3]   | 7             |
| 2_EOTExPosDepDmpTblY_MtrNmpRadps_u0p16[0][0]  | 395           |
| 2_EOTExPosDepDmpTblY_MtrNmpRadps_u0p16[0][1]  | 560           |
| 2_EOTExPosDepDmpTblY_MtrNmpRadps_u0p16[1][0]  | 198           |
| 2_EOTExPosDepDmpTblY_MtrNmpRadps_u0p16[1][1]  | 280           |
| 2_EOTExPosDepDmpTblY_MtrNmpRadps_u0p16[2][0]  | 213           |
| 2_EOTExPosDepDmpTblY_MtrNmpRadps_u0p16[2][1]  | 302           |
| 2_EOTExPosDepDmpTblY_MtrNmpRadps_u0p16[3][0]  | 243<br>345    |
| 2_EOTExPosDepDmpTblY_MtrNmpRadps_u0p16[3][1]  | 896           |
| 2_EOTPosDopDopTblX_HwDog_u12p4[0][0]  | 1280          |
| 2_EOTPosDepDmpTblX_HwDeg_u12p4[0][1]  | 1040          |
| 2_EOTPosDepDmpTblX_HwDog_u12p4[1][0]  |               |
| 2_EOTPosDopDopTblX_HwDog_u12p4[1][1]  | 1424          |
| 2_EOTPosDepDmpTblX_HwDog_u12p4[2][0]  | 752           |
| 2_EOTPosDopDopTblX_HwDog_u12p4[2][1]  | 1136          |
| 2_EOTPosDopDopTblX_HwDog_u12p4[3][0]  | 5120          |
| 2_EOTPosDepDmpTblX_HwDeg_u12p4[3][1]  | 4960          |
| 2_EOTPosDopDmpTblY_MtrNmpRadpS_u0p16[0][0]  | 26            |
| 2_EOTPosDepDmpTblY_MtrNmpRadpS_u0p16[0][1]  | 518<br>7      |
| 2_EOTPosDepDmpTblY_MtrNmpRadpS_u0p16[1][0]  |               |
| 2_EOTPosDepDmpTblY_MtrNmpRadpS_u0p16[1][1]  | 99            |
| 2_EOTPosDepDmpTblY_MtrNmpRadpS_u0p16[2][0]  | 228           |
| 2_EOTPosDepDmpTblY_MtrNmpRadpS_u0p16[2][1]  | 323<br>319    |
| 2_EOTPosDepDmpTblY_MtrNmpRadpS_u0p16[3][0]  |               |
| 2_EOTPosDepDmpTblY_MtrNmpRadpS_u0p16[3][1]  | 452<br>0346   |
| _EOTDmpVspd_Kph_u9p7[0]   | 9216<br>27520 |
| _EOTDmpVspd_Kph_u9p7[1]   | 27648         |
| _EOTDmpVspd_Kph_u9p7[2]   | 27776         |
| _EOTDmpVspd_Kph_u9p7[3]   |               |
| _EOTEnterGainVspd_Kph_u9p7[0]   | 9216          |
| _EOTEnterGainVspd_Kph_u9p7[1]   | 27520         |
| _EOTEnterGainVspd_Kph_u9p7[2]   | 27648         |
| _EOTEnterGainVspd_Kph_u9p7[3]   | 27776         |
|   | 512           |
|   | 000           |
| _SpdlptTblXTbl_HwDeg_u12p4[1]   | 896           |
| _SpdlptTblXTbl_HwDeg_u12p4[1]<br>_SpdlptTblYTbl_MtrRadpS_u12p4[0]   | 1008          |
| _SpdlptTblXTbl_HwDeg_u12p4[0] _SpdlptTblXTbl_HwDeg_u12p4[1] _SpdlptTblYTbl_MtrRadpS_u12p4[0] _SpdlptTblYTbl_MtrRadpS_u12p4[1] _TrqTableX_HwNm_u8p8[0] |               |

EOTActuatorMng\_FiltHWTrqSV\_HwNm\_M\_s7p24

target\_EOTActuatorMng\_Per1\_AssistEOTDamping\_MtrNm\_f32.value

 $target\_EOTActuatorMng\_Per1\_AssistEOTGain\_Uls\_f32.value$ 

 $Rte\_Call\_EOTActuatorMng\_Per1\_CP1\_CheckpointReached$ 

 $target\_EOTActuatorMng\_Per1\_AssistEOTLimit\_MtrNm\_f32.value$ 

EOTActuatorMng\_OutputRampMultLtd\_M\_f32 EOTActuatorMng\_PrevEOTGain\_Uls\_M\_f32

EOTActuatorMng\_SESState\_Uls\_M\_enum

2015-06-29, 18:31:27+0530



EOTActuatorMng\_Per1

| Name   | Input Value                             |                           |          |
|--|---|---------------------------|----------|
| t_TrqTblY_Uls_u2p14[0]   | 623                                     |                           |          |
| t_TrqTbIY_Uls_u2p14[1]   | 705                                     |                           |          |
| target_EOTActuatorMng_Per1_CcwEOT_HwDeg_f32.value  | -222.054001                             |                           |          |
| target_EOTActuatorMng_Per1_CcwFound_Cnt_lgc.value  | 1                                       |                           |          |
| target_EOTActuatorMng_Per1_CwEOT_HwDeg_f32.value   | 650.370972                              |                           |          |
| target_EOTActuatorMng_Per1_CwFound_Cnt_lgc.value   | 1                                       |                           |          |
| target_EOTActuatorMng_Per1_EOTDisable_Cnt_lgc.value  | 0                                       |                           |          |
| target_EOTActuatorMng_Per1_HandWheelAuth_Uls_f32.value   | 0.986699998                             |                           |          |
| target_EOTActuatorMng_Per1_HandWheelPos_HwDeg_f32.value  | -888.049988                             |                           |          |
| target_EOTActuatorMng_Per1_HwTorque_HwNm_f32.value   | -0.879999995                            |                           |          |
| target_EOTActuatorMng_Per1_MotorVel_MtrRadpS_f32.value   | -0.00800000038                          |                           |          |
| target_EOTActuatorMng_Per1_OutputRampMultLtd_Uls_f32.value   | 0.128000006                             |                           |          |
| target_EOTActuatorMng_Per1_VehicleSpeed_Kph_f32.value  | 3.89450002                              |                           |          |
| $target\_Rte\_Inst\_Ap\_EOTActuatorMng\_EOTActuatorMng\_Per1\_AssistEOTDamping\_Inst_Ap\_EOTActuatorMng\_Per1\_AssistEOTDamping\_Inst_Ap\_EOTActuatorMng\_Inst_Ap\_EOTActuator$  | target_EOTActuatorMng_Per1_AssistEOTDa  | mping_MtrNm_f32           |          |
| $target\_Rte\_Inst\_Ap\_EOTActuatorMng.EOTActuatorMng\_Per1\_AssistEOTGain\_Uls\_Inst\_Ap\_EOTActuatorMng\_Per1\_AssistEOTGain\_Uls\_Inst\_Ap\_EOTActuatorMng\_Per1\_AssistEOTGain\_Uls\_Inst\_Ap\_EOTActuatorMng\_Per1\_AssistEOTGain\_Uls\_Inst\_Ap\_EOTActuatorMng\_Per1\_AssistEOTGain\_Uls\_Inst\_Ap\_EOTActuatorMng\_Per1\_AssistEOTGain\_Uls\_Inst\_Ap\_EOTActuatorMng\_Per1\_AssistEOTGain\_Uls\_InstAp\_EOTActuatorMng\_Per1\_AssistEOTGain\_Uls\_InstAp\_EOTActuatorMng\_Per1\_AssistEOTGain\_Uls\_InstAp\_EOTActuatorMng\_Per1\_AssistEOTGain\_Uls\_InstAp\_EOTActuatorMng\_Per1\_AssistEOTGain\_Uls\_InstAp\_EOTActuatorMng\_Per1\_AssistEOTGain\_Uls\_InstAp\_EOTActuatorMng\_Per1\_AssistEOTGain\_Uls\_InstAp\_EOTActuatorMng\_Per1\_AssistEOTGain\_Uls\_InstAp\_EOTActuatorMng\_Per1\_AssistEOTGain\_Uls\_InstAp\_EOTActuatorMng\_Per1\_AssistEOTGain\_Uls\_InstAp\_EOTActuatorMng\_Per1\_AssistEOTGain\_Uls\_InstAp\_EOTActuatorMng\_Per1\_AssistEOTActuatorMng\_AssistEOTAc$  | target_EOTActuatorMng_Per1_AssistEOTGa  | nin_Uls_f32               |          |
| target Rte Inst Ap EOTActuatorMng.EOTActuatorMng Per1 AssistEOTLimit Mtr1  | target_EOTActuatorMng_Per1_AssistEOTLin | nit_MtrNm_f32             |          |
| target_Rte_Inst_Ap_EOTActuatorMng.EOTActuatorMng_Per1_CcwEOT_HwDeg_f3  | target_EOTActuatorMng_Per1_CcwEOT_Hw    | Deg_f32                   |          |
| $target\_Rte\_Inst\_Ap\_EOTActuatorMng.EOTActuatorMng\_Per1\_CcwFound\_Cnt\_Igc$   | target_EOTActuatorMng_Per1_CcwFound_C   | cnt_lgc                   |          |
| target_Rte_Inst_Ap_EOTActuatorMng.EOTActuatorMng_Per1_CwEOT_HwDeg_f32  | target_EOTActuatorMng_Per1_CwEOT_HwI    | Deg_f32                   |          |
| $target\_Rte\_Inst\_Ap\_EOTActuatorMng.EOTActuatorMng\_Per1\_CwFound\_Cnt\_Igc$  | target_EOTActuatorMng_Per1_CwFound_Cr   | nt_lgc                    |          |
| $target\_Rte\_Inst\_Ap\_EOTActuatorMng.EOTActuatorMng\_Per1\_EOTDisable\_Cnt\_lgcolor=0.00000000000000000000000000000000000$   | target_EOTActuatorMng_Per1_EOTDisable_  | Cnt_lgc                   |          |
| $target\_Rte\_Inst\_Ap\_EOTActuatorMng\_EOTActuatorMng\_Per1\_HandWheelAuth\_Ulstarget\_Rte\_Inst\_Ap\_EOTActuatorMng\_Per1\_HandWheelAuth\_Ulstarget\_Rte\_Inst\_Ap\_EOTActuatorMng\_Per1\_HandWheelAuth\_Ulstarget\_Rte\_Inst\_Ap\_EOTActuatorMng\_Per1\_HandWheelAuth\_Ulstarget\_Rte\_Inst\_Ap\_EOTActuatorMng\_Per1\_HandWheelAuth\_Ulstarget\_Rte\_Inst\_Ap\_EOTActuatorMng\_Per1\_HandWheelAuth\_Ulstarget\_Rte\_Inst\_Ap\_EOTActuatorMng\_Per1\_HandWheelAuth\_Ulstarget\_Rte\_Inst\_Ap\_EOTActuatorMng\_Per1\_HandWheelAuth\_Ulstarget\_Rte\_Inst\_Ap\_EOTActuatorMng\_Per1\_HandWheelAuth\_Ulstarget\_Rte\_InstAp\_EOTActuatorMng\_Per1\_HandWheelAuth\_Ulstarget\_Rte\_InstAp\_EOTActuatorMng\_Per1\_HandWheelAuth\_Ulstarget\_Rte\_InstAp\_EOTActuatorMng\_Per1\_HandWheelAuth\_Ulstarget\_Rte\_InstAp\_EOTActuatorMng\_Per1\_HandWheelAuth\_Ulstarget\_Rte\_InstAp\_EOTActuatorMng\_Per1\_HandWheelAuth\_Rte\_InstAp\_EOTActuatorMng\_Per1\_HandWheelAuth\_Rte\_InstAp\_EOTActuatorMng\_Per1\_HandWheelAuth\_Rte\_InstAp\_EOTActuatorMng\_Per1\_HandWheelAuth\_Rte\_InstAp\_EOTActuatorMng\_Per1\_HandWheelAuth\_Rte\_InstAp\_EOTActuatorMng\_Per1\_HandWheelAuth\_Rte\_InstAp\_EOTActuatorMng\_Per1\_HandWheelAuth\_Rte\_InstAp\_EOTActuatorMng\_Per1\_HandWheelAuth\_Rte\_InstAp\_EOTActuatorMng\_Per1\_HandWheelAuth\_Rte\_InstAp\_EOTActuatorMng\_Per1\_HandWheelAuth_Rte\_InstAp\_EOTActuatorMng\_Per1\_HandWheelAuth_Rte\_InstAp\_EOTActuatorMng\_Per1\_HandWheelAuth_Rte\_InstAp\_EOTActuatorMng\_Per1\_HandWheelAuth_Rte\_InstAp\_EOTActuatorMng\_Per1\_HandWheelAuth_Rte\_InstAp\_EOTActuatorMng\_Per1\_HandWheelAuth_Rte\_InstAp\_EOTActuatorMng\_Per1\_HandWheelAuth_Rte\_InstAp\_EOTActuatorMng\_Per1\_HandWheelAuth_Rte\_InstAp\_EOTActuatorMng\_Per1\_HandWheelAuth_Rte\_InstAp\_EOTActuatorMng\_Per1\_HandWheelAuth_Rte\_InstAp\_EOTActuatorMng\_Per1\_HandWheelAuth_Rte\_InstAp\_EOTActuatorMng\_Per1\_HandWheelAuth_Rte\_InstAp\_EOTActuatorMng\_Per1\_HandWheelAuth_Rte\_InstAp\_EOTActuatorMng\_Per1\_HandWheelAuth_Rte\_InstAp\_EOTActuatorMng\_Per1\_HandWheelAuth_Rte\_InstAp\_EOTActuatorMng\_Per1\_HandWheelAuth_Rte\_InstAp\_EOTActuatorMng\_Per1\_HandWheelAuth_Rte\_InstAp\_EOTActuatorMng\_Per1\_HandWheelAuth_Rte\_InstAp\_EOTActuatorMng\_Per1\_HandWheelAuth_Rte\_InstAp\_EOTActuatorMng\_Per1\_HandWhe$                 | target_EOTActuatorMng_Per1_HandWheelA   | uth_Uls_f32               |          |
| target_Rte_Inst_Ap_EOTActuatorMng.EOTActuatorMng_Per1_HandWheelPos_Hwl   | target_EOTActuatorMng_Per1_HandWheelP   | os_HwDeg_f32              |          |
| $target\_Rte\_Inst\_Ap\_EOTActuatorMng.EOTActuatorMng\_Per1\_HwTorque\_HwNm\_fractuatorMng\_Per1\_HwTorque\_HwMp_FractuatorMng\_Per1\_HwMp_FractuatorMng\_Per1\_HwMp_FractuatorMng\_Per1\_HwMp_FractuatorMng\_Per1\_HwMp_FractuatorMng\_Per1\_HwMp_FractuatorMng\_Per1\_HwMp_FractuatorMng\_Per1\_HwMp_FractuatorMng\_Per1\_HwMp_FractuatorMng\_Per1\_HwMp_FractuatorMng\_Per1\_HwMp_FractuatorMng\_Per1\_HwMp_FractuatorMng\_Per1\_HwMp_FractuatorMng\_Per1\_HwMp_FractuatorMng\_Per1\_HwMp_FractuatorMng\_Per1\_HwMp_FractuatorMng\_Per1\_HwMp_FractuatorMng\_Per1\_HwMp_FractuatorMng\_Per$ | target_EOTActuatorMng_Per1_HwTorque_H   | wNm_f32                   |          |
| target Rte Inst Ap EOTActuatorMng.EOTActuatorMng Per1 MotorVel MtrRadpS  | target_EOTActuatorMng_Per1_MotorVel_Mtr | RadpS_f32                 |          |
| $target\_Rte\_Inst\_Ap\_EOTActuatorMng\_EOTActuatorMng\_Per1\_OutputRampMultLtd\_Inst\_Ap\_EOTActuatorMng\_Per1\_OutputRampMultLtd\_Inst\_Ap\_EOTActuatorMng\_Per1\_OutputRampMultLtd\_Inst\_Ap\_EOTActuatorMng\_Per1\_OutputRampMultLtd\_Inst\_Ap\_EOTActuatorMng\_Per1\_OutputRampMultLtd\_Inst\_Ap\_EOTActuatorMng\_Per1\_OutputRampMultLtd\_InstAp\_EOTActuatorMng\_Per1\_Outpu$   | target_EOTActuatorMng_Per1_OutputRampl  | MultLtd_Uls_f32           |          |
| target_Rte_Inst_Ap_EOTActuatorMng.EOTActuatorMng_Per1_VehicleSpeed_Kph_  | target_EOTActuatorMng_Per1_VehicleSpeed | d_Kph_f32                 |          |
| Name   | Actual Value                            | Expected Value            | Result   |
| EOTActuatorMng_Damping_MtrNm_M_f32   | 7.04342031                              | 7.04341984 ± 0.0000390625 | <b>✓</b> |
| EOTActuatorMng_EOTImpactPos_HwDeg_M_f32  | 575.609985                              | 575.609985 ± 0.0000390625 | <b>✓</b> |
| EOTActuatorMng_FiltEOTGainSV_HwNm_M_u1p31  | 2129694425                              | 2129694425 ± 1            | ~        |
|  |   |                           |          |

| T  |       |  |       | <b>✓</b> |
|--|-------|--|-------|----------|
| Actual Function                                    | Count | Expected Function                                  | Count | Result   |
| Rte_Call_EOTActuatorMng_Per1_CP0_CheckpointReached | 1     | Rte_Call_EOTActuatorMng_Per1_CP0_CheckpointReached | 1     | ~        |
| EOTDetermination                                   | 1     | EOTDetermination                                   | 1     | ~        |
| SES_DetLmtPos                                      | 1     | SES_DetLmtPos                                      | 1     | ~        |
| SES_CalcExitGain                                   | 1     | SES_CalcExitGain                                   | 1     | ~        |
| IntplVarXY_u16_u16Xu16Y_Cnt                        | 1     | IntplVarXY_u16_u16Xu16Y_Cnt                        | 1     | ~        |
| SES_CalcEnterGain                                  | 1     | SES_CalcEnterGain                                  | 1     | <b>✓</b> |
| BilinearXMYM_u16_u16XMu16YM_Cnt                    | 1     | BilinearXMYM_u16_u16XMu16YM_Cnt                    | 1     | ~        |
| SES_CalcEOTGain                                    | 1     | SES_CalcEOTGain                                    | 1     | <b>✓</b> |
| SES_FiltEOTGain                                    | 1     | SES_FiltEOTGain                                    | 1     | ~        |
| SES_CalcEOTDamp                                    | 1     | SES_CalcEOTDamp                                    | 1     | <b>✓</b> |
| BilinearXMYM_u16_u16XMu16YM_Cnt                    | 1     | BilinearXMYM_u16_u16XMu16YM_Cnt                    | 1     | ~        |
| SES_StateCtrl                                      | 1     | SES_StateCtrl                                      | 1     | ~        |
| IntplVarXY_u16_u16Xu16Y_Cnt                        | 2     | IntplVarXY_u16_u16Xu16Y_Cnt                        | 2     | ~        |

Rte\_Call\_EOTActuatorMng\_Per1\_CP1\_CheckpointReached

-42825561

0.128000006

0.991699219

7.04342031

0.991699219

8.80000019

SES\_ENTERING

-42825561 ± 1

0.128000006 ± 0.00390625

7.04341984 ± 0.00048828125

0.991699219 ± 0.0000390625

8.80000019 ± 0.00048828125

0.991699219 ± 0.0625 SES\_ENTERING

| Test Step 2.46 (Repeat Count = 1)         |                                   | ✓ |
|---|-----------------------------------|---|
| Name                                      | Input Value                       |   |
| EOTActuatorMng_Damping_MtrNm_M_f32        | 7.5999999                         |   |
| EOTActuatorMng_EOTImpactPos_HwDeg_M_f32   | 131.339996                        |   |
| EOTActuatorMng_FiltEOTGainSV_HwNm_M_u1p31 | 214748365                         |   |
| EOTActuatorMng_FiltHWTrqSV_HwNm_M_s7p24   | 67108864                          |   |
| EOTActuatorMng_PrevEOTGain_Uls_M_f32      | 0.100000001                       |   |
| EOTActuatorMng_SESState_Uls_M_enum        | SES_NORMAL                        |   |
| Rte_Inst_Ap_EOTActuatorMng                | target_Rte_Inst_Ap_EOTActuatorMng |   |
| k_EOTActiveRegionBypassMaxThresh_Uls_f32  | 0.69599998                        |   |
| k_EOTDefltPosition_HwDeg_u12p4            | 11184                             |   |
| k_EOTDeltaTrqThrsh_HwNm_u9p7              | 640                               |   |
| k_EOTDynConf_Uls_u8p8                     | 51200                             |   |
| k_EOTEnterLPFKn_Cnt_u16                   | 7567                              |   |

EOTActuatorMng Per1

2015-06-29, 18:31:27+0530



Input Value k EOTExitLPFKn\_Cnt\_u16 5765 5504 k\_EOTImpSpdEn\_Kph\_u9p7 k EOTOriginalImpactandSoftEnd Cnt lgc k\_EOTPosDepDempFinalSlew\_MtrNmpS\_T\_f32 182.339996 k EOTStateHwTrgLPFKn Cnt u16 2648 k\_MaxRackTrvl\_HwDeg\_u12p4 2560 k MinRackTrvl HwDeg u12p4 13680 k\_PosRampStep\_HwDeg\_u12p4 11904 k\_SoftStopEOTEnable\_Cnt\_lgc 93  $k\_SpdIptScale\_MtrNmpRadpS\_u4p12$ t2\_EOTEnterGainX\_HwDeg\_u12p4[0][0] 1392 t2\_EOTEnterGainX\_HwDeg\_u12p4[0][1] 4160 4176 t2\_EOTEnterGainX\_HwDeg\_u12p4[0][2] t2\_EOTEnterGainX\_HwDeg\_u12p4[0][3] 4192 t2\_EOTEnterGainX\_HwDeg\_u12p4[1][0] 3152 9440 t2\_EOTEnterGainX\_HwDeg\_u12p4[1][1] t2\_EOTEnterGainX\_HwDeg\_u12p4[1][2] 9456 t2\_EOTEnterGainX\_HwDeg\_u12p4[1][3] 9472 t2\_EOTEnterGainX\_HwDeg\_u12p4[2][0] 2128 t2\_EOTEnterGainX\_HwDeg\_u12p4[2][1] 6368 t2\_EOTEnterGainX\_HwDeg\_u12p4[2][2] 6384 t2\_EOTEnterGainX\_HwDeg\_u12p4[2][3] 6400 t2\_EOTEnterGainX\_HwDeg\_u12p4[3][0] 688 t2\_EOTEnterGainX\_HwDeg\_u12p4[3][1] 2048 t2 EOTEnterGainX\_HwDeg\_u12p4[3][2] 2064 t2\_EOTEnterGainX\_HwDeg\_u12p4[3][3] 2080 t2\_EOTEnterGainY\_Uls\_u1p15[0][0] 11 t2\_EOTEnterGainY\_Uls\_u1p15[0][1] 11 t2 EOTEnterGainY Uls u1p15[0][2] 206 t2\_EOTEnterGainY\_Uls\_u1p15[0][3] 1999 t2\_EOTEnterGainY\_Uls\_u1p15[1][0] 8 t2\_EOTEnterGainY\_Uls\_u1p15[1][1] 9 t2 EOTEnterGainY Uls u1p15[1][2] 118 t2\_EOTEnterGainY\_Uls\_u1p15[1][3] 1144 t2\_EOTEnterGainY\_Uls\_u1p15[2][0] t2\_EOTEnterGainY\_Uls\_u1p15[2][1] 10 t2\_EOTEnterGainY\_Uls\_u1p15[2][2] 147 1429 t2\_EOTEnterGainY\_Uls\_u1p15[2][3] t2\_EOTEnterGainY\_Uls\_u1p15[3][0] 763 t2 EOTEnterGainY\_Uls\_u1p15[3][1] 78 t2\_EOTEnterGainY\_Uls\_u1p15[3][2] 7 t2 EOTEnterGainY\_Uls\_u1p15[3][3] 7 t2\_EOTExPosDepDmpTblY\_MtrNmpRadps\_u0p16[0][0] 410 t2\_EOTExPosDepDmpTblY\_MtrNmpRadps\_u0p16[0][1] 581  $t2\_EOTExPosDepDmpTblY\_MtrNmpRadps\_u0p16[1][0]$ 213 t2\_EOTExPosDepDmpTblY\_MtrNmpRadps\_u0p16[1][1] 302 t2 EOTExPosDepDmpTblY MtrNmpRadps u0p16[2][0] 228 t2\_EOTExPosDepDmpTblY\_MtrNmpRadps\_u0p16[2][1] 323 t2\_EOTExPosDepDmpTblY\_MtrNmpRadps\_u0p16[3][0] 395 t2\_EOTExPosDepDmpTblY\_MtrNmpRadps\_u0p16[3][1] 560 t2 EOTPosDepDmpTblX HwDeg u12p4[0][0] 912 t2\_EOTPosDepDmpTblX\_HwDeg\_u12p4[0][1] 1296 t2 EOTPosDepDmpTblX HwDeg u12p4[1][0] 1056 t2\_EOTPosDepDmpTblX\_HwDeg\_u12p4[1][1] 1440 t2\_EOTPosDepDmpTblX\_HwDeg\_u12p4[2][0] 768 t2\_EOTPosDepDmpTblX\_HwDeg\_u12p4[2][1] 1152 t2\_EOTPosDepDmpTblX\_HwDeg\_u12p4[3][0] 2656 t2\_EOTPosDepDmpTblX\_HwDeg\_u12p4[3][1] 3680 t2\_EOTPosDepDmpTblY\_MtrNmpRadpS\_u0p16[0][0] 280 t2\_EOTPosDepDmpTblY\_MtrNmpRadpS\_u0p16[0][1] 669 t2\_EOTPosDepDmpTblY\_MtrNmpRadpS\_u0p16[1][0] 36 t2\_EOTPosDepDmpTblY\_MtrNmpRadpS\_u0p16[1][1]  $t2\_EOTPosDepDmpTbIY\_MtrNmpRadpS\_u0p16[2][0]$ 243 t2\_EOTPosDepDmpTblY\_MtrNmpRadpS\_u0p16[2][1] 345 t2\_EOTPosDepDmpTblY\_MtrNmpRadpS\_u0p16[3][0] 334 474 t2\_EOTPosDepDmpTblY\_MtrNmpRadpS\_u0p16[3][1] t\_EOTDmpVspd\_Kph\_u9p7[0] 9344 t EOTDmpVspd Kph u9p7[1] 27904 t\_EOTDmpVspd\_Kph\_u9p7[2] 28032 t\_EOTDmpVspd\_Kph\_u9p7[3] 28160 t\_EOTEnterGainVspd\_Kph\_u9p7[0] 9344 t\_EOTEnterGainVspd\_Kph\_u9p7[1] 27904 t\_EOTEnterGainVspd\_Kph\_u9p7[2] 28032

2015-06-29, 18:31:27+0530



| Name   | Input Value                            |                           |          |
|--|--|---------------------------|----------|
| t_EOTEnterGainVspd_Kph_u9p7[3]   | 28160                                  |                           |          |
| t_SpdlptTblXTbl_HwDeg_u12p4[0]   | 528                                    |                           |          |
| t_SpdlptTblXTbl_HwDeg_u12p4[1]   | 912                                    |                           |          |
| t_SpdlptTblYTbl_MtrRadpS_u12p4[0]  | 1024                                   |                           |          |
| t_SpdlptTblYTbl_MtrRadpS_u12p4[1]  | 1408                                   |                           |          |
| t_TrqTableX_HwNm_u8p8[0]   | 1792                                   |                           |          |
| t_TrqTableX_HwNm_u8p8[1]   | 2048                                   |                           |          |
| t_TrqTbIY_Uls_u2p14[0]   | 639                                    |                           |          |
| t_TrqTbIY_Uls_u2p14[1]   | 721                                    |                           |          |
| target_EOTActuatorMng_Per1_CcwEOT_HwDeg_f32.value  | -767.057007                            |                           |          |
| target_EOTActuatorMng_Per1_CcwFound_Cnt_lgc.value  | 0                                      |                           |          |
| target_EOTActuatorMng_Per1_CwEOT_HwDeg_f32.value   | 777.281006                             |                           |          |
| target_EOTActuatorMng_Per1_CwFound_Cnt_lgc.value   | 1                                      |                           |          |
| target_EOTActuatorMng_Per1_EOTDisable_Cnt_lgc.value  | 1                                      |                           |          |
| target_EOTActuatorMng_Per1_HandWheelAuth_Uls_f32.value   | 0.730000019                            |                           |          |
| target_EOTActuatorMng_Per1_HandWheelPos_HwDeg_f32.value  | 299.049988                             |                           |          |
| target_EOTActuatorMng_Per1_HwTorque_HwNm_f32.value   | 0.560000002                            |                           |          |
| target_EOTActuatorMng_Per1_MotorVel_MtrRadpS_f32.value   | 0.0156399999                           |                           |          |
| target_EOTActuatorMng_Per1_OutputRampMultLtd_Uls_f32.value   | 0.795000017                            |                           |          |
| target_EOTActuatorMng_Per1_VehicleSpeed_Kph_f32.value  | 4.98400021                             |                           |          |
| $target\_Rte\_Inst\_Ap\_EOTActuatorMng.EOTActuatorMng\_Per1\_AssistEOTDamping\_Per1\_AssisTEOTDamping\_Per1\_AssisTEOTD$ | target_EOTActuatorMng_Per1_AssistEOTDa | amping_MtrNm_f32          |          |
| $target\_Rte\_Inst\_Ap\_EOTActuatorMng.EOTActuatorMng\_Per1\_AssistEOTGain\_Ulstarget\_Rte\_Inst\_Ap\_EOTActuatorMng.EOTActuatorMng\_Per1\_AssistEOTGain\_Ulstarget\_Rte\_Inst\_Ap\_EOTActuatorMng.EOTActuatorMng\_Per1\_AssistEOTGain\_Ulstarget\_Rte\_Inst\_Ap\_EOTActuatorMng.EOTActuatorMng\_Per1\_AssistEOTGain\_Ulstarget\_Rte\_Inst\_Ap\_EOTActuatorMng.EOTActuatorMng\_Per1\_AssistEOTGain\_Ulstarget\_Rte\_Inst\_Ap\_EOTActuatorMng.EOTActuatorMng\_Per1\_AssistEOTGain\_Ulstarget\_Rte\_Inst\_Ap\_EOTActuatorMng.EOTActuatorMng\_Per1\_AssistEOTGain\_Ulstarget\_Rte\_Inst_Ap\_EOTActuatorMng.EOTActuatorMn$   | target_EOTActuatorMng_Per1_AssistEOTG  | ain_Uls_f32               |          |
| $target\_Rte\_Inst\_Ap\_EOTActuatorMng.EOTActuatorMng\_Per1\_AssistEOTLimit\_Mtrackets and the property of the prope$  | target_EOTActuatorMng_Per1_AssistEOTLi | mit_MtrNm_f32             |          |
| target_Rte_Inst_Ap_EOTActuatorMng.EOTActuatorMng_Per1_CcwEOT_HwDeg_f   | target_EOTActuatorMng_Per1_CcwEOT_Hv   | vDeg_f32                  |          |
| $target\_Rte\_Inst\_Ap\_EOTActuatorMng.EOTActuatorMng\_Per1\_CcwFound\_Cnt\_lgcrosservers and the property of the pro$   | target_EOTActuatorMng_Per1_CcwFound_0  | Cnt_lgc                   |          |
| target_Rte_Inst_Ap_EOTActuatorMng.EOTActuatorMng_Per1_CwEOT_HwDeg_f3   | target_EOTActuatorMng_Per1_CwEOT_Hw    | Deg_f32                   |          |
| $target\_Rte\_Inst\_Ap\_EOTActuatorMng.EOTActuatorMng\_Per1\_CwFound\_Cnt\_lgc$  | target_EOTActuatorMng_Per1_CwFound_C   | nt_lgc                    |          |
| target_Rte_Inst_Ap_EOTActuatorMng.EOTActuatorMng_Per1_EOTDisable_Cnt_lg  | target_EOTActuatorMng_Per1_EOTDisable  | _Cnt_lgc                  |          |
| $target\_Rte\_Inst\_Ap\_EOTActuatorMng.EOTActuatorMng\_Per1\_HandWheelAuth\_Ulline Ap\_EOTActuatorMng\_Per1\_HandWheelAuth\_Ulline Ap\_EOTActuatorMng\_Per1\_HandWheelAuth_Ulline Ap\_EOTActuatorMng\_Per1\_HandWheelAuth_Ulline Ap_EOTActuatorMng\_Per1\_HandWheelAuth_Ulline Ap_EOTActuatorMng\_Per1\_HandWheelA$                                  | target_EOTActuatorMng_Per1_HandWheelA  | Auth_Uls_f32              |          |
| target_Rte_Inst_Ap_EOTActuatorMng.EOTActuatorMng_Per1_HandWheelPos_Hw  | target_EOTActuatorMng_Per1_HandWheelF  | Pos_HwDeg_f32             |          |
| $target\_Rte\_Inst\_Ap\_EOTActuatorMng.EOTActuatorMng\_Per1\_HwTorque\_HwNm\_target\_Rte\_Inst\_Ap\_EOTActuatorMng.EOTActuatorMng\_Per1\_HwTorque\_HwNm\_target\_Rte\_Inst\_Ap\_EOTActuatorMng.EOTActuatorMng\_Per1\_HwTorque\_HwNm\_target\_Rte\_Inst\_Ap\_EOTActuatorMng.EOTActuatorMng\_Per1\_HwTorque\_HwNm\_target\_Rte\_Inst\_Ap\_EOTActuatorMng.EOTActuatorMng\_Per1\_HwTorque\_HwNm\_target\_Rte\_Inst\_Ap\_EOTActuatorMng.EOTActuatorMng\_Per1\_HwTorque\_HwNm\_target\_Rte\_Inst\_Ap\_EOTActuatorMng.EOTActuatorMng\_Per1\_HwTorque\_HwNm\_target\_Rte\_Inst\_Ap\_EOTActuatorMng.EOTActuatorMng\_Per1\_HwTorque\_HwNm\_target\_Rte\_Inst\_Ap\_EOTActuatorMng.EOTActuator$   | target_EOTActuatorMng_Per1_HwTorque_F  | lwNm_f32                  |          |
| target_Rte_Inst_Ap_EOTActuatorMng.EOTActuatorMng_Per1_MotorVel_MtrRadpS  | target_EOTActuatorMng_Per1_MotorVel_Mt | rRadpS_f32                |          |
| $target\_Rte\_Inst\_Ap\_EOTActuatorMng.EOTActuatorMng\_Per1\_OutputRampMultLtd. \\$  | target_EOTActuatorMng_Per1_OutputRamp  | MultLtd_Uls_f32           |          |
| target Rte Inst Ap EOTActuatorMng.EOTActuatorMng Per1 VehicleSpeed Kph   | target_EOTActuatorMng_Per1_VehicleSpee | d_Kph_f32                 |          |
| Name   | Actual Value                           | Expected Value            | Result   |
| EOTActuatorMng_Damping_MtrNm_M_f32   | 7.23532009                             | 7.23532009 ± 0.0000390625 | ~        |
| EOTActuatorMng EOTImpactPos HwDeg M f32  | 131.339996                             | 131.339996 ± 0.0000390625 | <b>✓</b> |

| Name  | Actual Value | Expected value             | Result   |
|---|--------------|----------------------------|----------|
| EOTActuatorMng_Damping_MtrNm_M_f32                          | 7.23532009   | 7.23532009 ± 0.0000390625  | •        |
| EOTActuatorMng_EOTImpactPos_HwDeg_M_f32                     | 131.339996   | 131.339996 ± 0.0000390625  | •        |
| EOTActuatorMng_FiltEOTGainSV_HwNm_M_u1p31                   | 205085306    | 205085306 ± 1              | <b>✓</b> |
| EOTActuatorMng_FiltHWTrqSV_HwNm_M_s7p24                     | 64775976     | 64775976 ± 1               | <b>✓</b> |
| EOTActuatorMng_OutputRampMultLtd_M_f32                      | 0.795000017  | 0.795000017 ± 0.00390625   | <b>✓</b> |
| EOTActuatorMng_PrevEOTGain_Uls_M_f32                        | 0.095489502  | 0.095489502 ± 0.0625       | <b>✓</b> |
| EOTActuatorMng_SESState_Uls_M_enum                          | SES_DISABLED | SES_DISABLED               | <b>✓</b> |
| target_EOTActuatorMng_Per1_AssistEOTDamping_MtrNm_f32.value | 7.23532009   | 7.23532009 ± 0.00048828125 | <b>✓</b> |
| target_EOTActuatorMng_Per1_AssistEOTGain_Uls_f32.value      | 0.095489502  | 0.095489502 ± 0.0000390625 | •        |
| target_EOTActuatorMng_Per1_AssistEOTLimit_MtrNm_f32.value   | 8.80000019   | 8.80000019 ± 0.00048828125 | <b>✓</b> |
|   |              |                            |          |

| T  |       |  |       | ✓      |
|--|-------|--|-------|--------|
| Actual Function                                    | Count | Expected Function                                  | Count | Result |
| Rte_Call_EOTActuatorMng_Per1_CP0_CheckpointReached | 1     | Rte_Call_EOTActuatorMng_Per1_CP0_CheckpointReached | 1     | ~      |
| EOTDetermination                                   | 1     | EOTDetermination                                   | 1     | •      |
| SES_DetLmtPos                                      | 1     | SES_DetLmtPos                                      | 1     | ~      |
| SES_CalcExitGain                                   | 1     | SES_CalcExitGain                                   | 1     | •      |
| IntplVarXY_u16_u16Xu16Y_Cnt                        | 1     | IntplVarXY_u16_u16Xu16Y_Cnt                        | 1     | ~      |
| SES_CalcEnterGain                                  | 1     | SES_CalcEnterGain                                  | 1     | •      |
| BilinearXMYM_u16_u16XMu16YM_Cnt                    | 1     | BilinearXMYM_u16_u16XMu16YM_Cnt                    | 1     | ~      |
| SES_CalcEOTGain                                    | 1     | SES_CalcEOTGain                                    | 1     | •      |
| SES_FiltEOTGain                                    | 1     | SES_FiltEOTGain                                    | 1     | -      |
| SES_CalcEOTDamp                                    | 1     | SES_CalcEOTDamp                                    | 1     | •      |
| BilinearXMYM_u16_u16XMu16YM_Cnt                    | 1     | BilinearXMYM_u16_u16XMu16YM_Cnt                    | 1     | ~      |
| SES_StateCtrl                                      | 1     | SES_StateCtrl                                      | 1     | •      |
| Rte Call EOTActuatorMng Per1 CP1 CheckpointReached | 1     | Rte Call EOTActuatorMng Per1 CP1 CheckpointReached | 1     | _      |

| Test Step 2.47 (Repeat Count = 1)         |             |
|---|-------------|
| Name                                      | Input Value |
| EOTActuatorMng_Damping_MtrNm_M_f32        | 7.80000019  |
| EOTActuatorMng_EOTImpactPos_HwDeg_M_f32   | 458.279999  |
| EOTActuatorMng_FiltEOTGainSV_HwNm_M_u1p31 | 1438814044  |
| EOTActuatorMng_FiltHWTrqSV_HwNm_M_s7p24   | 27850179    |
| EOTActuatorMng_PrevEOTGain_Uls_M_f32      | 0           |
| EOTActuatorMng_SESState_Uls_M_enum        | SES_NORMAL  |

EOTActuatorMng Per1

2015-06-29, 18:31:27+0530



Input Value  $target\_Rte\_Inst\_Ap\_EOTActuatorMng$ Rte Inst Ap EOTActuatorMng 0.61500001 k\_EOTActiveRegionBypassMaxThresh\_Uls\_f32 k EOTDefltPosition\_HwDeg\_u12p4 11200 k\_EOTDeltaTrqThrsh\_HwNm\_u9p7 768 53760 k EOTDynConf Uls u8p8 k\_EOTEnterLPFKn\_Cnt\_u16 5467 k\_EOTExitLPFKn\_Cnt\_u16 3644 5632  $k\_EOTImpSpdEn\_Kph\_u9p7$ k\_EOTOriginalImpactandSoftEnd\_Cnt\_lgc 186 389999  $k\_EOTPosDepDempFinalSlew\_MtrNmpS\_T\_f32$ k\_EOTStateHwTrqLPFKn\_Cnt\_u16 8674 2576 k\_MaxRackTrvl\_HwDeg\_u12p4 6192 k\_MinRackTrvl\_HwDeg\_u12p4 3808 k\_PosRampStep\_HwDeg\_u12p4 k\_SoftStopEOTEnable\_Cnt\_lgc 0 93 k SpdlptScale MtrNmpRadpS u4p12 t2\_EOTEnterGainX\_HwDeg\_u12p4[0][0] 1408 t2\_EOTEnterGainX\_HwDeg\_u12p4[0][1] 4208 t2\_EOTEnterGainX\_HwDeg\_u12p4[0][2] 4224 t2\_EOTEnterGainX\_HwDeg\_u12p4[0][3] 4240 t2\_EOTEnterGainX\_HwDeg\_u12p4[1][0] 3168 t2\_EOTEnterGainX\_HwDeg\_u12p4[1][1] 9488 t2\_EOTEnterGainX\_HwDeg\_u12p4[1][2] 9504 t2\_EOTEnterGainX\_HwDeg\_u12p4[1][3] 9520 t2 EOTEnterGainX\_HwDeg\_u12p4[2][0] 2144 t2\_EOTEnterGainX\_HwDeg\_u12p4[2][1] 6416 t2\_EOTEnterGainX\_HwDeg\_u12p4[2][2] 6432 t2\_EOTEnterGainX\_HwDeg\_u12p4[2][3] 6448 t2 EOTEnterGainX HwDeg u12p4[3][0] 704 t2\_EOTEnterGainX\_HwDeg\_u12p4[3][1] 2096 t2 EOTEnterGainX HwDeg u12p4[3][2] 2112 t2\_EOTEnterGainX\_HwDeg\_u12p4[3][3] 2128 t2 EOTEnterGainY Uls u1p15[0][0] 11 t2\_EOTEnterGainY\_Uls\_u1p15[0][1] 12 t2\_EOTEnterGainY\_Uls\_u1p15[0][2] 216 t2\_EOTEnterGainY\_Uls\_u1p15[0][3] 2094 t2\_EOTEnterGainY\_Uls\_u1p15[1][0] 8 t2\_EOTEnterGainY\_Uls\_u1p15[1][1] 9 t2\_EOTEnterGainY\_Uls\_u1p15[1][2] 127 t2 EOTEnterGainY\_Uls\_u1p15[1][3] 1239 t2\_EOTEnterGainY\_Uls\_u1p15[2][0] 9 t2\_EOTEnterGainY\_Uls\_u1p15[2][1] 10 t2\_EOTEnterGainY\_Uls\_u1p15[2][2] 157 t2\_EOTEnterGainY\_Uls\_u1p15[2][3] 1524 t2\_EOTEnterGainY\_Uls\_u1p15[3][0] 859 t2\_EOTEnterGainY\_Uls\_u1p15[3][1] 88 t2\_EOTEnterGainY\_Uls\_u1p15[3][2] 7 t2\_EOTEnterGainY\_Uls\_u1p15[3][3] 8 t2\_EOTExPosDepDmpTblY\_MtrNmpRadps\_u0p16[0][0] 425 t2\_EOTExPosDepDmpTblY\_MtrNmpRadps\_u0p16[0][1] 603 t2 EOTExPosDepDmpTblY MtrNmpRadps u0p16[1][0] 228 t2\_EOTExPosDepDmpTblY\_MtrNmpRadps\_u0p16[1][1] 323 t2\_EOTExPosDepDmpTblY\_MtrNmpRadps\_u0p16[2][0] 243 t2\_EOTExPosDepDmpTblY\_MtrNmpRadps\_u0p16[2][1] 345 t2\_EOTExPosDepDmpTblY\_MtrNmpRadps\_u0p16[3][0] 410 t2\_EOTExPosDepDmpTblY\_MtrNmpRadps\_u0p16[3][1] 581 t2\_EOTPosDepDmpTblX\_HwDeg\_u12p4[0][0] 928 t2\_EOTPosDepDmpTblX\_HwDeg\_u12p4[0][1] 1312 t2\_EOTPosDepDmpTblX\_HwDeg\_u12p4[1][0] 1072 t2\_EOTPosDepDmpTblX\_HwDeg\_u12p4[1][1] 1456 t2\_EOTPosDepDmpTblX\_HwDeg\_u12p4[2][0] 784 1168 t2\_EOTPosDepDmpTblX\_HwDeg\_u12p4[2][1]  $t2\_EOTPosDepDmpTblX\_HwDeg\_u12p4[3][0]$ 3024 3760 t2\_EOTPosDepDmpTblX\_HwDeg\_u12p4[3][1] t2\_EOTPosDepDmpTblY\_MtrNmpRadpS\_u0p16[0][0] 431 t2\_EOTPosDepDmpTblY\_MtrNmpRadpS\_u0p16[0][1] 419 t2\_EOTPosDepDmpTblY\_MtrNmpRadpS\_u0p16[1][0] 73 t2 EOTPosDepDmpTblY MtrNmpRadpS u0p16[1][1] 103 t2\_EOTPosDepDmpTblY\_MtrNmpRadpS\_u0p16[2][0] 259 t2\_EOTPosDepDmpTblY\_MtrNmpRadpS\_u0p16[2][1] 366 t2\_EOTPosDepDmpTbIY\_MtrNmpRadpS\_u0p16[3][0] 349 t2\_EOTPosDepDmpTblY\_MtrNmpRadpS\_u0p16[3][1] 495 t\_EOTDmpVspd\_Kph\_u9p7[0] 9472

2015-06-29, 18:31:27+0530



EOTActuatorMng\_Per1

| EOTACIDAIONING_FEIT  |                                       |                            | CILCITOR |
|--|---------------------------------------|----------------------------|----------|
| Name   | Input Value                           |                            |          |
| t EOTDmpVspd Kph u9p7[1]   | 28288                                 |                            |          |
| t EOTDmpVspd Kph u9p7[2]   | 28416                                 |                            |          |
| t_EOTDmpVspd_Kph_u9p7[3]   | 28544                                 |                            |          |
| t EOTEnterGainVspd Kph u9p7[0]   | 9472                                  |                            |          |
| t_EOTEnterGainVspd_Kph_u9p7[1]   | 28288                                 |                            |          |
| t EOTEnterGainVspd Kph u9p7[2]   | 28416                                 |                            |          |
| t EOTEnterGainVspd Kph u9p7[3]   | 28544                                 |                            |          |
| t_SpdIptTbIXTbl_HwDeg_u12p4[0]   | 544                                   |                            |          |
| t_SpdIptTblXTbl_HwDeg_u12p4[1]   | 928                                   |                            |          |
| t SpdlptTblYTbl MtrRadpS u12p4[0]  | 1040                                  |                            |          |
| t SpdlptTblYTbl MtrRadpS u12p4[1]  | 1424                                  |                            |          |
| t TrgTableX HwNm u8p8[0]   | 1536                                  |                            |          |
| t TrgTableX HwNm u8p8[1]   | 1792                                  |                            |          |
| t_TrqTbIY_UIs_u2p14[0]   | 655                                   |                            |          |
| t TrqTblY Uls u2p14[1]   | 737                                   |                            |          |
| target_EOTActuatorMng_Per1_CcwEOT_HwDeg_f32.value                        | -777.086975                           |                            |          |
| target EOTActuatorMng Per1 CcwFound Cnt Igc.value                        | 1                                     |                            |          |
| target_EOTActuatorMng_Per1_CwEOT_HwDeg_f32.value                         | 687.153992                            |                            |          |
| target_EOTActuatorMng_Per1_CwFound_Cnt_lgc.value                         | 0                                     |                            |          |
| target EOTActuatorMng Per1 EOTDisable Cnt Igc.value                      | 0                                     |                            |          |
| target EOTActuatorMng Per1 HandWheelAuth Uls f32.value                   | 0.560000002                           |                            |          |
| target EOTActuatorMng Per1 HandWheelPos HwDeg f32.value                  | 146.850006                            |                            |          |
| target_EOTActuatorMng_Per1_HwTorque_HwNm_f32.value                       | 8.5                                   |                            |          |
| target_EOTActuatorMng_Per1_MotorVel_MtrRadpS_f32.value                   | 657                                   |                            |          |
| target EOTActuatorMng Per1 OutputRampMultLtd Uls f32.value               | 0.611000001                           |                            |          |
| target EOTActuatorMng Per1 VehicleSpeed Kph f32.value                    | 5.48899984                            |                            |          |
| target_Rte_Inst_Ap_EOTActuatorMng.EOTActuatorMng_Per1_AssistEOTDamping   |                                       | Damping MtrNm f32          |          |
| target_Rte_Inst_Ap_EOTActuatorMng.EOTActuatorMng_Per1_AssistEOTGain_Uls  |                                       |                            |          |
| target_Rte_Inst_Ap_EOTActuatorMng.EOTActuatorMng_Per1_AssistEOTLimit_Mtr |                                       |                            |          |
| target Rte Inst Ap EOTActuatorMng.EOTActuatorMng Per1 CcwEOT HwDeg f:    |                                       |                            |          |
| target Rte Inst Ap EOTActuatorMng.EOTActuatorMng Per1 CcwFound Cnt Igc   |                                       |                            |          |
| target Rte Inst Ap EOTActuatorMng.EOTActuatorMng Per1 CwEOT HwDeg f3.    | , , , , , , , , , , , , , , , , , , , |                            |          |
| target_Rte_Inst_Ap_EOTActuatorMng.EOTActuatorMng_Per1_CwFound_Cnt_Igc    | target_EOTActuatorMng_Per1_CwFound_   |                            |          |
| target Rte Inst Ap EOTActuatorMng.EOTActuatorMng Per1 EOTDisable Cnt Ig  |                                       |                            |          |
| target Rte Inst Ap EOTActuatorMng.EOTActuatorMng Per1 HandWheelAuth UI   |                                       |                            |          |
| target_Rte_Inst_Ap_EOTActuatorMng.EOTActuatorMng_Per1_HandWheelPos_Hw    | · - · - · -                           |                            |          |
| target_Rte_Inst_Ap_EOTActuatorMng.EOTActuatorMng_Per1_HwTorque_HwNm :    |                                       |                            |          |
| target_Rte_Inst_Ap_EOTActuatorMng.EOTActuatorMng_Per1_MotorVel_MtrRadpS  |                                       | _                          |          |
| target Rte Inst Ap EOTActuatorMng.EOTActuatorMng Per1 OutputRampMultLtd  |                                       |                            |          |
| target Rte Inst Ap EOTActuatorMng.EOTActuatorMng Per1 VehicleSpeed Kph   |                                       |                            |          |
| Name   | Actual Value                          |                            | Populé   |
|  |                                       | Expected Value             | Result   |
| EOTActuatorMng_Damping_MtrNm_M_f32                                       | 7.42722034                            | 7.42721987 ± 0.0000390625  |          |
| EOTActuatorMng_EOTImpactPos_HwDeg_M_f32                                  | 700                                   | 700 ± 0.0000390625         |          |
| EOTActuatorMng_FiltEOTGainSV_HwNm_M_u1p31                                | 1318857130                            | 1318857130 ± 1             | ~        |
| EOTActuatorMng_FiltHWTrqSV_HwNm_M_s7p24                                  | 43047027                              | 43047027 ± 1               |          |
| EOTActuatorMng_OutputRampMultLtd_M_f32                                   | 0.611000001                           | 0.611000001 ± 0.00390625   | ~        |
| EOTActuatorMng_PrevEOTGain_Uls_M_f32                                     | 0.614135742                           | 0.614135742 ± 0.0625       |          |
| EOTActuatorMng_SESState_Uls_M_enum                                       | SES_DISABLED                          | SES_DISABLED               | · ·      |
| target_EOTActuatorMng_Per1_AssistEOTDamping_MtrNm_f32.value              | 7.42722034                            | 7.42721987 ± 0.00048828125 |          |

| target_E017 totalentring_1 e11_7 tooletE01 earin_e10_102.value |       | 0.014100742 1                                      | .0000000020 | _        |
|--|-------|--|-------------|----------|
| target_EOTActuatorMng_Per1_AssistEOTLimit_MtrNm_f32.value      |       | 0 0 ± 0.000488281                                  | 25          | ~        |
|  |       |  |             |          |
| Τ  |       |  |             | V        |
| Actual Function  | Count | Expected Function                                  | Count       | Result   |
| Rte_Call_EOTActuatorMng_Per1_CP0_CheckpointReached             | 1     | Rte_Call_EOTActuatorMng_Per1_CP0_CheckpointReached | 1           | ~        |
| EOTDetermination   | 1     | EOTDetermination                                   | 1           | <b>✓</b> |
| EOTOrigImpact  | 1     | EOTOrigImpact                                      | 1           | -        |
| IntplVarXY_u16_u16Xu16Y_Cnt                                    | 1     | IntplVarXY_u16_u16Xu16Y_Cnt                        | 1           | <b>✓</b> |
| SES_DetLmtPos  | 1     | SES_DetLmtPos                                      | 1           | ~        |
| SES_CalcExitGain   | 1     | SES_CalcExitGain                                   | 1           | ~        |
| IntplVarXY_u16_u16Xu16Y_Cnt                                    | 1     | IntplVarXY_u16_u16Xu16Y_Cnt                        | 1           | ~        |
| SES_CalcEnterGain  | 1     | SES_CalcEnterGain                                  | 1           | ~        |
| BilinearXMYM_u16_u16XMu16YM_Cnt                                | 1     | BilinearXMYM_u16_u16XMu16YM_Cnt                    | 1           | ~        |
| SES_CalcEOTGain  | 1     | SES_CalcEOTGain                                    | 1           | <b>✓</b> |
| SES_FiltEOTGain  | 1     | SES_FiltEOTGain                                    | 1           | ~        |
| SES_CalcEOTDamp  | 1     | SES_CalcEOTDamp                                    | 1           | <b>✓</b> |
| BilinearXMYM_u16_u16XMu16YM_Cnt                                | 1     | BilinearXMYM_u16_u16XMu16YM_Cnt                    | 1           | ~        |
| SES_StateCtrl  | 1     | SES_StateCtrl                                      | 1           | ~        |
| Rte_Call_EOTActuatorMng_Per1_CP1_CheckpointReached             | 1     | Rte_Call_EOTActuatorMng_Per1_CP1_CheckpointReached | 1           | ~        |

0.614135742

0.614135742 ± 0.0000390625

target\_EOTActuatorMng\_Per1\_AssistEOTGain\_Uls\_f32.value



| Test Step 2.48 (Repeat Count = 1)   | <b>✓</b>                          |
|---|-----------------------------------|
| Name  | Input Value                       |
| EOTActuatorMng_Damping_MtrNm_M_f32  | 8                                 |
| EOTActuatorMng_EOTImpactPos_HwDeg_M_f32   | 672.159973                        |
| EOTActuatorMng_FiltEOTGainSV_HwNm_M_u1p31   | 1159641170                        |
| EOTActuatorMng_FiltHWTrqSV_HwNm_M_s7p24   | 46137344                          |
| EOTActuatorMng_PrevEOTGain_Uls_M_f32  | 1                                 |
| EOTActuatorMng_SESState_Uls_M_enum  | SES_ENTERING                      |
| Rte_Inst_Ap_EOTActuatorMng  | target_Rte_Inst_Ap_EOTActuatorMng |
| k_EOTActiveRegionBypassMaxThresh_Uls_f32  | 0.200000003                       |
| k_EOTDefltPosition_HwDeg_u12p4<br>k_EOTDeltaTrqThrsh_HwNm_u9p7                              | 11216<br>896                      |
| k EOTDynConf Uls u8p8   | 0                                 |
| k_EOTEnterLPFKn_Cnt_u16   | 8787                              |
| k_EOTExitLPFKn_Cnt_u16  | 7334                              |
| k_EOTImpSpdEn_Kph_u9p7  | 5760                              |
| k_EOTOriginalImpactandSoftEnd_Cnt_lgc   | 1                                 |
| k_EOTPosDepDempFinalSlew_MtrNmpS_T_f32  | 190.440002                        |
| k_EOTStateHwTrqLPFKn_Cnt_u16  | 8475                              |
| k_MaxRackTrvl_HwDeg_u12p4   | 2592                              |
| k_MinRackTrvl_HwDeg_u12p4   | 14208                             |
| k_PosRampStep_HwDeg_u12p4<br>k_SoftStopEOTEnable_Cnt_lgc                                    | 7648<br>1                         |
| k_SpdlptScale_MtrNmpRadpS_u4p12   | 93                                |
| t2_EOTEnterGainX_HwDeg_u12p4[0][0]  | 1424                              |
| t2_EOTEnterGainX_I-WDeg_u12p4[0][1]   | 4256                              |
| t2_EOTEnterGainX_HwDeg_u12p4[0][2]  | 4272                              |
| t2_EOTEnterGainX_HwDeg_u12p4[0][3]  | 4288                              |
| t2_EOTEnterGainX_HwDeg_u12p4[1][0]  | 3184                              |
| t2_EOTEnterGainX_HwDeg_u12p4[1][1]  | 9536                              |
| t2_EOTEnterGainX_HwDeg_u12p4[1][2]  | 9552                              |
| t2_EOTEnterGainX_HwDeg_u12p4[1][3]  | 9568                              |
| t2_EOTEnterGainX_HwDeg_u12p4[2][0]  | 2160                              |
| t2_EOTEnterGainX_HwDeg_u12p4[2][1]<br>t2_EOTEnterGainX_HwDeg_u12p4[2][2]                    | 6464<br>6480                      |
| t2_EOTEnterGainX_nwbeg_u12p4[2][3]  | 6496                              |
| t2_EOTEnterGainX_HwDeg_u12p4[3][0]  | 720                               |
| t2_EOTEnterGainX_HwDeg_u12p4[3][1]  | 2144                              |
| t2_EOTEnterGainX_HwDeg_u12p4[3][2]  | 2160                              |
| t2_EOTEnterGainX_HwDeg_u12p4[3][3]  | 2176                              |
| t2_EOTEnterGainY_Uls_u1p15[0][0]  | 11                                |
| t2_EOTEnterGainY_Uls_u1p15[0][1]  | 12                                |
| t2_EOTEnterGainY_Uls_u1p15[0][2]  | 225                               |
| t2_EOTEnterGainY_Uls_u1p15[0][3]  | 2189<br>9                         |
| t2_EOTEnterGainY_Uls_u1p15[1][0]<br>t2_EOTEnterGainY_Uls_u1p15[1][1]                        | 9                                 |
| t2_EOTEnterGain1_Uls_u1p15[1][2]  | 137                               |
| t2_EOTEnterGainY_Uls_u1p15[1][3]  | 1334                              |
| t2_EOTEnterGainY_Uls_u1p15[2][0]  | 10                                |
| t2_EOTEnterGainY_Uls_u1p15[2][1]  | 10                                |
| t2_EOTEnterGainY_Uls_u1p15[2][2]  | 167                               |
| t2_EOTEnterGainY_Uls_u1p15[2][3]  | 1619                              |
| t2_EOTEnterGainY_Uls_u1p15[3][0]  | 954                               |
| t2_EOTEnterGainY_Uls_u1p15[3][1]  | 98                                |
| t2_EOTEnterGainY_Uls_u1p15[3][2]  | 7                                 |
| t2_EOTENPOS Den Dron Thi V Mtr Nimo Padros (1001600101                                      | 8 440                             |
| t2_EOTExPosDepDmpTblY_MtrNmpRadps_u0p16[0][0] t2_EOTExPosDepDmpTblY_MtrNmpRadps_u0p16[0][1] | 624                               |
| t2_EOTEXPOSDepDmpTblY_MtrNmpRadps_uop16[0][1]   | 243                               |
| t2_EOTEXPosDepDmpTblY_MtrNmpRadps_u0p16[1][1]   | 345                               |
| t2_EOTExPosDepDmpTblY_MtrNmpRadps_u0p16[2][0]   | 259                               |
| t2_EOTExPosDepDmpTblY_MtrNmpRadps_u0p16[2][1]   | 366                               |
| t2_EOTExPosDepDmpTblY_MtrNmpRadps_u0p16[3][0]   | 425                               |
| t2_EOTExPosDepDmpTblY_MtrNmpRadps_u0p16[3][1]   | 603                               |
| t2_EOTPosDepDmpTbIX_HwDeg_u12p4[0][0]   | 320                               |
| t2_EOTPosDepDmpTblX_HwDeg_u12p4[0][1]   | 0                                 |
| t2_EOTPosDepDmpTblX_HwDeg_u12p4[1][0]   | 1072                              |
| t2_EOTPosDepDmpTblX_HwDeg_u12p4[1][1]   | 1456<br>1072                      |
| t2_EOTPosDepDmpTbIX_HwDeg_u12p4[2][0]<br>t2_EOTPosDepDmpTbIX_HwDeg_u12p4[2][1]              | 1456                              |
|   | 192                               |
| t2_EOTPosDepDmpTblX_HwDeg_u12p4[3][0]   | 132                               |
| t2_EOTPosDepDmpTbIX_HwDeg_u12p4[3][0] t2_EOTPosDepDmpTbIX_HwDeg_u12p4[3][1]                 | 3392                              |

2015-06-29, 18:31:27+0530



| Name  | Input Value                           |   |             |  |
|---|---------------------------------------|---|-------------|--|
| t2_EOTPosDepDmpTblY_MtrNmpRadpS_u0p16[0][1]   | 569                                   |   |             |  |
| t2_EOTPosDepDmpTblY_MtrNmpRadpS_u0p16[1][0]   | 74                                    |   |             |  |
| t2_EOTPosDepDmpTblY_MtrNmpRadpS_u0p16[1][1]   | 105                                   |   |             |  |
| t2_EOTPosDepDmpTblY_MtrNmpRadpS_u0p16[2][0]   | 274                                   |   |             |  |
| t2_EOTPosDepDmpTblY_MtrNmpRadpS_u0p16[2][1]   | 388                                   |   |             |  |
| t2_EOTPosDepDmpTblY_MtrNmpRadpS_u0p16[3][0]   | 365                                   |   |             |  |
| t2_EOTPosDepDmpTblY_MtrNmpRadpS_u0p16[3][1]   | 517                                   |   |             |  |
| t_EOTDmpVspd_Kph_u9p7[0]  | 9600                                  |   |             |  |
| t_EOTDmpVspd_Kph_u9p7[1]  | 28672                                 |   |             |  |
| t_EOTDmpVspd_Kph_u9p7[2]  | 28800                                 |   |             |  |
| t_EOTDmpVspd_Kph_u9p7[3]  | 28928                                 |   |             |  |
| t_EOTEnterGainVspd_Kph_u9p7[0]  | 9600                                  |   |             |  |
| t_EOTEnterGainVspd_Kph_u9p7[1]  | 28672                                 |   |             |  |
| t_EOTEnterGainVspd_Kph_u9p7[2]  | 28800                                 |   |             |  |
| t_EOTEnterGainVspd_Kph_u9p7[3]  | 28928                                 |   |             |  |
| t_SpdlptTblXTbl_HwDeg_u12p4[0]  | 560                                   |   |             |  |
| t_SpdlptTblXTbl_HwDeg_u12p4[1]  | 944                                   |   |             |  |
| t_SpdlptTblYTbl_MtrRadpS_u12p4[0]   | 1056                                  |   |             |  |
| t_SpdlptTblYTbl_MtrRadpS_u12p4[1]   | 1440                                  |   |             |  |
| t_TrqTableX_HwNm_u8p8[0]  | 1280                                  |   |             |  |
| t_TrqTableX_HwNm_u8p8[1]  | 1536                                  |   |             |  |
| t_TrqTblY_Uls_u2p14[0]  | 672                                   |   |             |  |
| t_TrqTbIY_UIs_u2p14[1]  | 754                                   |   |             |  |
| target_EOTActuatorMng_Per1_CcwEOT_HwDeg_f32.value   | -579.314026                           |   |             |  |
| target EOTActuatorMng Per1 CcwFound Cnt Igc.value   | 1                                     |   |             |  |
| target_EOTActuatorMng_Per1_CwEOT_HwDeg_f32.value  | 987.671997                            |   |             |  |
| target_EOTActuatorMng_Per1_CwFound_Cnt_lgc.value  | 1                                     |   |             |  |
| target_EOTActuatorMng_Per1_EOTDisable_Cnt_lgc.value   | 0                                     |   |             |  |
| target_EOTActuatorMng_Per1_HandWheelAuth_Uls_f32.value  | 0.896000028                           |   |             |  |
| target_EOTActuatorMng_Per1_HandWheelPos_HwDeg_f32.value   | -689.049988                           |   |             |  |
| target_EOTActuatorMng_Per1_HwTorque_HwNm_f32.value  | -8.5                                  |   |             |  |
| target_EOTActuatorMng_Per1_MotorVel_MtrRadpS_f32.value  | -456                                  |   |             |  |
| target_EOTActuatorMng_Per1_OutputRampMultLtd_Uls_f32.value  | 0.735000014                           |   |             |  |
| target_EOTActuatorMng_Per1_VehicleSpeed_Kph_f32.value   | 6.46000004                            |   |             |  |
| target_Rte_Inst_Ap_EOTActuatorMng.EOTActuatorMng_Per1_AssistEOTDamp   | ing target EOTActuatorMng Per1 Assist | EOTDamping MtrNm f32                            |             |  |
| target_Rte_Inst_Ap_EOTActuatorMng.EOTActuatorMng_Per1_AssistEOTGain_  |                                       |   |             |  |
| target_Rte_Inst_Ap_EOTActuatorMng.EOTActuatorMng_Per1_AssistEOTLimit_   |                                       |   |             |  |
| target_Rte_Inst_Ap_EOTActuatorMng.EOTActuatorMng_Per1_CcwEOT_HwDe   |                                       |   |             |  |
| target Rte Inst Ap EOTActuatorMng.EOTActuatorMng Per1 CcwFound Cnt  |                                       |   |             |  |
| target_Rte_Inst_Ap_EOTActuatorMng.EOTActuatorMng_Per1_CwEOT_HwDeg   |                                       | DT HwDeg f32                                    |             |  |
| target_Rte_Inst_Ap_EOTActuatorMng.EOTActuatorMng_Per1_CwFound_Cnt_lt  |                                       |   |             |  |
| target Rte Inst Ap EOTActuatorMng.EOTActuatorMng Per1 EOTDisable Cn   |                                       |   |             |  |
| target Rte Inst Ap EOTActuatorMng.EOTActuatorMng Per1 HandWheelAuth   |                                       |   |             |  |
| target Rte Inst Ap EOTActuatorMng.EOTActuatorMng Per1 HandWheelPos  | 0 - 0                                 |   |             |  |
| target Rte Inst Ap EOTActuatorMng.EOTActuatorMng Per1 HwTorque HwN  |                                       |   |             |  |
| target_Rte_Inst_Ap_EOTActuatorMng.EOTActuatorMng_Per1_MotorVel_MtrRa  |                                       | , ·   |             |  |
| target_Rte_Inst_Ap_EOTActuatorMng.EOTActuatorMng_Per1_OutputRampMul   |                                       |   |             |  |
| target_Rte_Inst_Ap_EOTActuatorMng.EOTActuatorMng_Per1_VehicleSpeed_K  |                                       |   |             |  |
| Name  | Actual Value                          | Expected Value                                  | Resul       |  |
| EOTActuatorMng Damping MtrNm M f32  | 7.61912012                            | 7.61912012 ± 0.0000390625                       | Nesul       |  |
| EOTActuatorMing_Damping_MtrNm_in_is2  EOTActuatorMing_EOTImpactPos_HwDeg_M_f32  | 7.61912012                            | 7.61912012 ± 0.0000390625<br>701 ± 0.0000390625 |             |  |
| EOTActuatorMng FiltEOTGainSV HwNm M u1p31   | 1004269436                            | 1004269436 ± 1                                  |             |  |
| EOTActuatorMng_FiltEOTGainSV_HWNm_M_u1p31 EOTActuatorMng_FiltHWTrqSV_HwNm_M_s7p24                                     |                                       | 58612544 ± 1                                    |             |  |
|   | 58612544                              |   |             |  |
| EOTActuatorMng_OutputRampMultLtd_M_f32  | 0.735000014<br>0.46762085             | 0.735000014 ± 0.00390625                        |             |  |
| EOTActuatorMng_PrevEOTGain_Uls_M_f32  |                                       | 0.46762085 ± 0.0625                             |             |  |
| EOTActuatorMng_SESState_Uls_M_enum  | SES_ENTERING                          | SES_ENTERING                                    |             |  |
| target_EOTActuatorMng_Per1_AssistEOTDamping_MtrNm_f32.value<br>target_EOTActuatorMng_Per1_AssistEOTGain_Uls_f32.value | 7.61912012                            | 7.61912012 ± 0.00048828125                      |             |  |
| Targer EQUACUATORNO PER ASSISTECTION UIS 137 VAIDE  | 0.46762085                            | 0.46762085 ± 0.0000390625                       | · · · · · · |  |
| target_EOTActuatorMng_Per1_AssistEOTLimit_MtrNm_f32.value   | 0                                     | 0 ± 0.00048828125                               |             |  |

2015-06-29, 18:31:27+0530



2015-06-29, 18:31:27+0530



EOTActuatorMng\_Per1

|  | I   |                            |        |
|--|---|----------------------------|--------|
| Name   | Input Value                                 |                            |        |
| t2_EOTEnterGainY_Uls_u1p15[2][3]   | 1714  |                            |        |
| t2_EOTEnterGainY_Uls_u1p15[3][0]   | 1049  |                            |        |
| t2_EOTEnterGainY_Uls_u1p15[3][1]   | 108   |                            |        |
| t2_EOTEnterGainY_Uls_u1p15[3][2]   | 8   |                            |        |
| t2_EOTEnterGainY_Uls_u1p15[3][3]<br>t2_EOTExPosDepDmpTblY_MtrNmpRadps_u0p16[0][0]  | 334   |                            |        |
| t2_EOTEXPosDepDmpTblY_MtrNmpRadps_u0p16[0][1]  | 474   |                            |        |
| t2_EOTEXPosDepDmpTblY_MtrNmpRadps_u0p16[0][1]  | 243   |                            |        |
| t2_EOTExPosDepDmpTblY_MtrNmpRadps_u0p16[1][1]  | 345   |                            |        |
| t2_EOTExPosDepDmpTblY_MtrNmpRadps_u0p16[2][0]  | 274   |                            |        |
| t2_EOTExPosDepDmpTblY_MtrNmpRadps_u0p16[2][1]  | 388   |                            |        |
| t2_EOTExPosDepDmpTblY_MtrNmpRadps_u0p16[3][0]  | 440   |                            |        |
| t2_EOTExPosDepDmpTblY_MtrNmpRadps_u0p16[3][1]  | 624   |                            |        |
| t2_EOTPosDepDmpTblX_HwDeg_u12p4[0][0]  | 320   |                            |        |
| t2_EOTPosDepDmpTblX_HwDeg_u12p4[0][1]  | 0   |                            |        |
| t2_EOTPosDepDmpTblX_HwDeg_u12p4[1][0]  | 1088  |                            |        |
| t2_EOTPosDepDmpTbIX_HwDeg_u12p4[1][1]  | 1472  |                            |        |
| t2_EOTPosDepDmpTblX_HwDeg_u12p4[2][0]  | 1088  |                            |        |
| t2_EOTPosDepDmpTblX_HwDeg_u12p4[2][1]  | 1472  |                            |        |
| t2_EOTPosDepDmpTblX_HwDeg_u12p4[3][0]  | 704   |                            |        |
| t2_EOTPosDepDmpTblX_HwDeg_u12p4[3][1]  | 3408  |                            |        |
| t2_EOTPosDepDmpTblY_MtrNmpRadpS_u0p16[0][0]  | 474   |                            |        |
| t2_EOTPosDepDmpTblY_MtrNmpRadpS_u0p16[0][1]  | 719   |                            |        |
| t2_EOTPosDepDmpTblY_MtrNmpRadpS_u0p16[1][0]  | 304   |                            |        |
| t2_EOTPosDepDmpTblY_MtrNmpRadpS_u0p16[1][1]  | 431   |                            |        |
| t2_EOTPosDepDmpTblY_MtrNmpRadpS_u0p16[2][0]  | 289   |                            |        |
| t2_EOTPosDepDmpTblY_MtrNmpRadpS_u0p16[2][1]  | 409   |                            |        |
| t2_EOTPosDepDmpTblY_MtrNmpRadpS_u0p16[3][0]  | 380   |                            |        |
| t2_EOTPosDepDmpTblY_MtrNmpRadpS_u0p16[3][1]  | 538   |                            |        |
| t_EOTDmpVspd_Kph_u9p7[0]   | 9728  |                            |        |
| t_EOTDmpVspd_Kph_u9p7[1]   | 29056                                       |                            |        |
| t_EOTDmpVspd_Kph_u9p7[2]   | 29184                                       |                            |        |
| t_EOTDmpVspd_Kph_u9p7[3]   | 29312                                       |                            |        |
| t_EOTEnterCainVand_Kph_u9p7[0]   | 9728<br>29056                               |                            |        |
| t_EOTEnterGainVspd_Kph_u9p7[1]   | 29184                                       |                            |        |
| t_EOTEnterGainVspd_Kph_u9p7[2]<br>t_EOTEnterGainVspd_Kph_u9p7[3]   | 29312                                       |                            |        |
| t_SpdlptTblXTbl_HwDeg_u12p4[0]   | 576   |                            |        |
| t_SpdIptTbIXTbl_HwDeg_u12p4[1]   | 960   |                            |        |
| t_SpdIptTbIYTbl_MtrRadpS_u12p4[0]  | 1072  |                            |        |
| t SpdlptTblYTbl MtrRadpS u12p4[1]  | 1456  |                            |        |
| t_TrqTableX_HwNm_u8p8[0]   | 1024  |                            |        |
| t_TrqTableX_HwNm_u8p8[1]   | 1280  |                            |        |
| t_TrqTblY_Uls_u2p14[0]   | 688   |                            |        |
| t_TrqTbIY_UIs_u2p14[1]   | 770   |                            |        |
| target_EOTActuatorMng_Per1_CcwEOT_HwDeg_f32.value  | -896.528015                                 |                            |        |
| target_EOTActuatorMng_Per1_CcwFound_Cnt_lgc.value  | 1   |                            |        |
| target_EOTActuatorMng_Per1_CwEOT_HwDeg_f32.value   | 675.054016                                  |                            |        |
| target_EOTActuatorMng_Per1_CwFound_Cnt_lgc.value   | 0   |                            |        |
| target_EOTActuatorMng_Per1_EOTDisable_Cnt_lgc.value  | 0   |                            |        |
| target_EOTActuatorMng_Per1_HandWheelAuth_Uls_f32.value   | 0.74000001                                  |                            |        |
| target_EOTActuatorMng_Per1_HandWheelPos_HwDeg_f32.value  | -675.421021                                 |                            |        |
| target_EOTActuatorMng_Per1_HwTorque_HwNm_f32.value   | 9.5   |                            |        |
| target_EOTActuatorMng_Per1_MotorVel_MtrRadpS_f32.value   | 897   |                            |        |
| target_EOTActuatorMng_Per1_OutputRampMultLtd_Uls_f32.value   | 0.472000003                                 |                            |        |
| target_EOTActuatorMng_Per1_VehicleSpeed_Kph_f32.value  | 7.78700018                                  |                            |        |
| target_Rte_Inst_Ap_EOTActuatorMng.EOTActuatorMng_Per1_AssistEOTDamping_  | 3 - 3 -                                     |                            |        |
| target_Rte_Inst_Ap_EOTActuatorMng.EOTActuatorMng_Per1_AssistEOTGain_Uls_   |   |                            |        |
| target_Rte_Inst_Ap_EOTActuatorMng.EOTActuatorMng_Per1_AssistEOTLimit_Mtr1  |   |                            |        |
| target Rte Inst Ap EOTActuatorMng.EOTActuatorMng Per1 CcwEOT HwDeg f3  |   |                            |        |
| target_Rte_Inst_Ap_EOTActuatorMng_EOTActuatorMng_Per1_CcwFound_Cnt_Igc   | target_EOTActuatorMng_Per1_CcwFound_Cnt_lgc |                            |        |
| target_Rte_Inst_Ap_EOTActuatorMng_EOTActuatorMng_Per1_CwEOT_HwDeg_f32  |   |                            |        |
| target_Rte_Inst_Ap_EOTActuatorMng.EOTActuatorMng_Per1_CwFound_Cnt_Igc  | target_EOTActuatorMng_Per1_CwFound_Cnt_lgc  |                            |        |
| target_Rte_Inst_Ap_EOTActuatorMng.EOTActuatorMng_Per1_EOTDisable_Cnt_Igotarget_Rte_Inst_Ap_EOTActuatorMng.EOTActuatorMng Per1_HandWheelAuth_Uls  |   |                            |        |
|  | 3   |                            |        |
| target_Rte_Inst_Ap_EOTActuatorMng.EOTActuatorMng_Per1_HandWheelPos_Hwl<br>target_Rte_Inst_Ap_EOTActuatorMng.EOTActuatorMng_Per1_HwTorque_HwNm_f: |   |                            |        |
| target_Rte_inst_Ap_EOTActuatorMng.EOTActuatorMng_Per1_mwTorque_mwNm_i.   | V - V V                                     |                            |        |
| target Rte Inst Ap EOTActuatorMng.EOTActuatorMng Per1 OutputRampMultLtd  |   |                            |        |
| target_Rte_Inst_Ap_EOTActuatorMng_EOTActuatorMng_Per1_VehicleSpeed_Kph_  | · - · · ·                                   |                            |        |
| Name   | Actual Value                                | Expected Value             | Result |
| EOTActuatorMng_Damping_MtrNm_M_f32   | 0.388980031                                 | 0.388980001 ± 0.0000390625 | Nesult |
| EOTActuatorMng EOTImpactPos HwDeg M f32  | 702   | 702 ± 0.0000390625         |        |

702

702 ± 0.0000390625

2015-06-29, 18:31:27+0530



| Name  | Actual Value | Expected Value              | Result |
|---|--------------|-----------------------------|--------|
| EOTActuatorMng_FiltEOTGainSV_HwNm_M_u1p31                   | 816307907    | 816307907 ± 1               | ~      |
| EOTActuatorMng_FiltHWTrqSV_HwNm_M_s7p24                     | 55892600     | 55892600 ± 1                | ~      |
| EOTActuatorMng_OutputRampMultLtd_M_f32                      | 0.472000003  | 0.472000003 ± 0.00390625    | •      |
| EOTActuatorMng_PrevEOTGain_Uls_M_f32                        | 0.380096436  | 0.380096436 ± 0.0625        | ~      |
| EOTActuatorMng_SESState_Uls_M_enum                          | SES_DISABLED | SES_DISABLED                | ~      |
| target_EOTActuatorMng_Per1_AssistEOTDamping_MtrNm_f32.value | 0.388980031  | 0.388980001 ± 0.00048828125 | ~      |
| target_EOTActuatorMng_Per1_AssistEOTGain_Uls_f32.value      | 0.380096436  | 0.380096436 ± 0.0000390625  | ~      |
| target_EOTActuatorMng_Per1_AssistEOTLimit_MtrNm_f32.value   | 0            | 0 ± 0.00048828125           | ~      |

| Τ  |       |  |       | <b>✓</b> |
|--|-------|--|-------|----------|
| Actual Function                                    | Count | Expected Function                                  | Count | Result   |
| Rte_Call_EOTActuatorMng_Per1_CP0_CheckpointReached | 1     | Rte_Call_EOTActuatorMng_Per1_CP0_CheckpointReached | 1     | ~        |
| EOTDetermination                                   | 1     | EOTDetermination                                   | 1     | •        |
| EOTOrigImpact                                      | 1     | EOTOrigImpact                                      | 1     | ~        |
| IntplVarXY_u16_u16Xu16Y_Cnt                        | 1     | IntplVarXY_u16_u16Xu16Y_Cnt                        | 1     | ~        |
| SES_DetLmtPos                                      | 1     | SES_DetLmtPos                                      | 1     | ~        |
| SES_CalcExitGain                                   | 1     | SES_CalcExitGain                                   | 1     | <b>✓</b> |
| IntplVarXY_u16_u16Xu16Y_Cnt                        | 1     | IntplVarXY_u16_u16Xu16Y_Cnt                        | 1     | ~        |
| SES_CalcEnterGain                                  | 1     | SES_CalcEnterGain                                  | 1     | ~        |
| BilinearXMYM_u16_u16XMu16YM_Cnt                    | 1     | BilinearXMYM_u16_u16XMu16YM_Cnt                    | 1     | ~        |
| SES_CalcEOTGain                                    | 1     | SES_CalcEOTGain                                    | 1     | <b>✓</b> |
| SES_FiltEOTGain                                    | 1     | SES_FiltEOTGain                                    | 1     | ~        |
| SES_CalcEOTDamp                                    | 1     | SES_CalcEOTDamp                                    | 1     | ~        |
| BilinearXMYM_u16_u16XMu16YM_Cnt                    | 1     | BilinearXMYM_u16_u16XMu16YM_Cnt                    | 1     | -        |
| SES_StateCtrl                                      | 1     | SES_StateCtrl                                      | 1     | ~        |
| Rte_Call_EOTActuatorMng_Per1_CP1_CheckpointReached | 1     | Rte_Call_EOTActuatorMng_Per1_CP1_CheckpointReached | 1     | ~        |

| Test Step 2.50 (Repeat Count = 1)         | ✓                                 |
|---|-----------------------------------|
| Name                                      | Input Value                       |
| EOTActuatorMng_Damping_MtrNm_M_f32        | 8.10000038                        |
| EOTActuatorMng_EOTImpactPos_HwDeg_M_f32   | 400.079987                        |
| EOTActuatorMng_FiltEOTGainSV_HwNm_M_u1p31 | 236223201                         |
| EOTActuatorMng_FiltHWTrqSV_HwNm_M_s7p24   | 83886080                          |
| EOTActuatorMng_PrevEOTGain_Uls_M_f32      | 0.340000004                       |
| EOTActuatorMng_SESState_Uls_M_enum        | SES_NORMAL                        |
| Rte_Inst_Ap_EOTActuatorMng                | target_Rte_Inst_Ap_EOTActuatorMng |
| k_EOTActiveRegionBypassMaxThresh_Uls_f32  | 0.465000004                       |
| k_EOTDefltPosition_HwDeg_u12p4            | 10480                             |
| k_EOTDeltaTrqThrsh_HwNm_u9p7              | 1152                              |
| k_EOTDynConf_Uls_u8p8                     | 23040                             |
| k_EOTEnterLPFKn_Cnt_u16                   | 3564                              |
| k_EOTExitLPFKn_Cnt_u16                    | 3355                              |
| k_EOTImpSpdEn_Kph_u9p7                    | 4096                              |
| k_EOTOriginalImpactandSoftEnd_Cnt_lgc     | 1                                 |
| k_EOTPosDepDempFinalSlew_MtrNmpS_T_f32    | 198.539993                        |
| k_EOTStateHwTrqLPFKn_Cnt_u16              | 1111                              |
| k_MaxRackTrvl_HwDeg_u12p4                 | 2384                              |
| k_MinRackTrvl_HwDeg_u12p4                 | 7312                              |
| k_PosRampStep_HwDeg_u12p4                 | 7104                              |
| k_SoftStopEOTEnable_Cnt_lgc               | 0                                 |
| k_SpdlptScale_MtrNmpRadpS_u4p12           | 93                                |
| t2_EOTEnterGainX_HwDeg_u12p4[0][0]        | 1456                              |
| t2_EOTEnterGainX_HwDeg_u12p4[0][1]        | 4352                              |
| t2_EOTEnterGainX_HwDeg_u12p4[0][2]        | 4368                              |
| t2_EOTEnterGainX_HwDeg_u12p4[0][3]        | 4384                              |
| t2_EOTEnterGainX_HwDeg_u12p4[1][0]        | 3216                              |
| t2_EOTEnterGainX_HwDeg_u12p4[1][1]        | 9632                              |
| t2_EOTEnterGainX_HwDeg_u12p4[1][2]        | 9648                              |
| t2_EOTEnterGainX_HwDeg_u12p4[1][3]        | 9664                              |
| t2_EOTEnterGainX_HwDeg_u12p4[2][0]        | 2192                              |
| t2_EOTEnterGainX_HwDeg_u12p4[2][1]        | 6560                              |
| t2_EOTEnterGainX_HwDeg_u12p4[2][2]        | 6576                              |
| t2_EOTEnterGainX_HwDeg_u12p4[2][3]        | 6592                              |
| t2_EOTEnterGainX_HwDeg_u12p4[3][0]        | 752                               |
| t2_EOTEnterGainX_HwDeg_u12p4[3][1]        | 2240                              |
| t2_EOTEnterGainX_HwDeg_u12p4[3][2]        | 2256                              |
| t2_EOTEnterGainX_HwDeg_u12p4[3][3]        | 2272                              |
| t2_EOTEnterGainY_Uls_u1p15[0][0]          | 7                                 |
| t2_EOTEnterGainY_Uls_u1p15[0][1]          | 8                                 |
| t2_EOTEnterGainY_Uls_u1p15[0][2]          | 88                                |

2015-06-29, 18:31:27+0530



| Name Input Value  |                    |
|---|--------------------|
| t2_EOTEnterGainY_Uls_u1p15[0][3]     859       t2_EOTEnterGainY_Uls_u1p15[1][0]     4   |                    |
|   |                    |
| 12_EOTEnterGainY_Uls_u1p15[1][1] 5<br>12_EOTEnterGainY_Uls_u1p15[1][2] 98   |                    |
| t2_EOTEnterGainY_Uls_u1p15[1][3] 980  |                    |
| 12 EOTEnterGainY Uls u1p15[2][0] 10   |                    |
| t2_EOTEnterGainY_UIs_u1p15[2][1] 11   |                    |
| t2_EOTEnterGainY_Uls_u1p15[2][2] 186  |                    |
| t2_EOTEnterGainY_Uls_u1p15[2][3] 1809   |                    |
| t2_EOTEnterGainY_Uls_u1p15[3][0] 478  |                    |
| t2_EOTEnterGainY_Uls_u1p15[3][1] 49   |                    |
| t2_EOTEnterGainY_Uls_u1p15[3][2] 6  |                    |
| t2_EOTEnterGainY_Uls_u1p15[3][3] 6  |                    |
| t2_EOTExPosDepDmpTblY_MtrNmpRadps_u0p16[0][0] 183   |                    |
| t2_EOTExPosDepDmpTblY_MtrNmpRadps_u0p16[0][1] 259   |                    |
| t2_EOTExPosDepDmpTblY_MtrNmpRadps_u0p16[1][0] 395   |                    |
| t2_EOTExPosDepDmpTblY_MtrNmpRadps_u0p16[1][1] 560   |                    |
| t2_EOTExPosDepDmpTblY_MtrNmpRadps_u0p16[2][0] 289   |                    |
| t2_EOTExPosDepDmpTblY_MtrNmpRadps_u0p16[2][1] 409 t2_EOTExPosDepDmpTblY_MtrNmpRadps_u0p16[3][0] 334   |                    |
|   |                    |
| t2_EOTExPosDepDmpTblY_MtrNmpRadps_u0p16[3][1]   |                    |
| t2_EOTPosDepDmpTblX_HwDeg_u12p4[0][0]   |                    |
| t2_EOTPosDepDmpTblX_HwDeg_u12p4[0][1]  t2_EOTPosDepDmpTblX_HwDeg_u12p4[1][0]  1104  |                    |
| t2_EOTPosDepDmpTblX_HwDeg_u12p4[1][1] 1488  |                    |
| t2_EOTPosDepDmpTblX_HwDeg_u12p4[2][0] 1104  |                    |
| t2 EOTPosDepDmpTbIX HwDeg u12p4[2][1] 1488  |                    |
| t2_EOTPosDepDmpTblX_HwDeg_u12p4[3][0] 256   |                    |
| t2_EOTPosDepDmpTblX_HwDeg_u12p4[3][1] 3424  |                    |
| t2_EOTPosDepDmpTblY_MtrNmpRadpS_u0p16[0][0] 87  |                    |
| t2_EOTPosDepDmpTblY_MtrNmpRadpS_u0p16[0][1] 937   |                    |
| t2_EOTPosDepDmpTblY_MtrNmpRadpS_u0p16[1][0] 319   |                    |
| t2_EOTPosDepDmpTblY_MtrNmpRadpS_u0p16[1][1] 452   |                    |
| t2_EOTPosDepDmpTblY_MtrNmpRadpS_u0p16[2][0] 304   |                    |
| t2_EOTPosDepDmpTblY_MtrNmpRadpS_u0p16[2][1] 431   |                    |
| t2_EOTPosDepDmpTblY_MtrNmpRadpS_u0p16[3][0] 395   |                    |
| t2_EOTPosDepDmpTblY_MtrNmpRadpS_u0p16[3][1] 560 t EOTDmpVspd Kph u9p7[0] 9856   |                    |
| t_EOTDmpVspd_Kph_u9p7[0] 9856<br>t_EOTDmpVspd_Kph_u9p7[1] 29440   |                    |
| t_EOTDmpVspd_Kph_u9p7[2] 29568  |                    |
| t_EOTDmpVspd_Kph_u9p7[3] 29696  |                    |
| t_EOTEnterGainVspd_Kph_u9p7[0] 9856   |                    |
| t_EOTEnterGainVspd_Kph_u9p7[1] 29440  |                    |
| t_EOTEnterGainVspd_Kph_u9p7[2] 29568  |                    |
| t_EOTEnterGainVspd_Kph_u9p7[3] 29696  |                    |
| t_SpdlptTblXTbl_HwDeg_u12p4[0] 592  |                    |
| t_SpdlptTblXTbl_HwDeg_u12p4[1] 976  |                    |
| t_SpdlptTblYTbl_MtrRadpS_u12p4[0] 1088  |                    |
| t_SpdlptTblYTbl_MtrRadpS_u12p4[1] 1472  |                    |
| t_TrqTableX_HwNm_u8p8[0] 512  |                    |
| t_TrqTableX_HwNm_u8p8[1] 1024   |                    |
| t_TrqTblY_Uis_u2p14[0] 705  |                    |
| t_TrqTblY_Uls_u2p14[1] 786  |                    |
| target_EOTActuatorMng_Per1_CcwEOT_HwDeg_f32.value -660.080994 target_EOTActuatorMng_Per1_CcwFound_Cnt_lgc.value 1   |                    |
| target_EOTActuatorMng_Per1_CcWFound_Cnt_igc.value 1 target_EOTActuatorMng_Per1_CcWFound_Cnt_igc.value 765.033997  |                    |
| target_EOTActuatorMng_Perl_CwEOT_nwDeg_Isz.value /os.oss997 target_EOTActuatorMng_Perl_CwFound_Cnt_lgc.value 0  |                    |
| target_EOTActuatorMng_Per1_EOTDisable_Cnt_lgc.value   |                    |
| target EOTActuatorMng Per1 HandWheelAuth Uls f32.value 1  |                    |
| target_EOTActuatorMng_Per1_HandWheelPos_HwDeg_f32.value -333.025391   |                    |
| target_EOTActuatorMng_Per1_HwTorque_HwNm_f32.value -8.5   |                    |
| target_EOTActuatorMng_Per1_MotorVel_MtrRadpS_f32.value 250  |                    |
| target_EOTActuatorMng_Per1_OutputRampMultLtd_Uls_f32.value 0.773000002  |                    |
| target_EOTActuatorMng_Per1_VehicleSpeed_Kph_f32.value 12.9463997  |                    |
| $target\_Rte\_Inst\_Ap\_EOTActuatorMng.EOTActuatorMng\_Per1\_AssistEOTDamping\_target\_EOTActuatorMng\_EOTActuato$  | ·                  |
| target_Rte_Inst_Ap_EOTActuatorMng.EOTActuatorMng_Per1_AssistEOTGain_Uls_ target_EOTActuatorMng_Per1_  |                    |
| $target\_Rte\_Inst\_Ap\_EOTActuatorMng.EOTActuatorMng\_Per1\_AssistEOTLimit\_Mtr1 \\ target\_EOTActuatorMng\_Per1\_AssistEOTLimit\_Mtr1 \\ target\_EOTActuatorMng\_Per1\_AssistEOTLimit\_Mtr2 \\ target\_E$ |                    |
| target_Rte_Inst_Ap_EOTActuatorMng_Per1_CcwEOT_HwDeg_f3 target_EOTActuatorMng_Per1_  | <del></del>        |
| target_Rte_Inst_Ap_EOTActuatorMng_EOTActuatorMng_Per1_CcwFound_Cnt_lgc target_EOTActuatorMng_Per1_  | *                  |
| Annual the test As EOTA-best Man EOTA-best Man Dead OverOT the Dead 600 terest EOTA-best Man Dead   |                    |
| target_Rte_Inst_Ap_EOTActuatorMng.EOTActuatorMng_Per1_CwEOT_HwDeg_f32 target_EOTActuatorMng_Per1_   |                    |
| target_Rte_Inst_Ap_EOTActuatorMng.EOTActuatorMng_Per1_CwFound_Cnt_Igc target_EOTActuatorMng_Per1_   |                    |
|   | EOTDisable_Cnt_lgc |

2015-06-29, 18:31:27+0530



EOTActuatorMng\_Per1

| Name   | Input Value                             |                            |          |
|--|---|----------------------------|----------|
| target_Rte_Inst_Ap_EOTActuatorMng.EOTActuatorMng_Per1_HandWheelPos_Hwl   | target_EOTActuatorMng_Per1_HandWheelP   | os_HwDeg_f32               |          |
| target_Rte_Inst_Ap_EOTActuatorMng.EOTActuatorMng_Per1_HwTorque_HwNm_f    | target_EOTActuatorMng_Per1_HwTorque_H   | wNm_f32                    |          |
| target_Rte_Inst_Ap_EOTActuatorMng.EOTActuatorMng_Per1_MotorVel_MtrRadpS  | target_EOTActuatorMng_Per1_MotorVel_Mtr | RadpS_f32                  |          |
| target_Rte_Inst_Ap_EOTActuatorMng.EOTActuatorMng_Per1_OutputRampMultLtd_ | target_EOTActuatorMng_Per1_OutputRampl  | MultLtd_Uls_f32            |          |
| target_Rte_Inst_Ap_EOTActuatorMng.EOTActuatorMng_Per1_VehicleSpeed_Kph_  | target_EOTActuatorMng_Per1_VehicleSpeed | d_Kph_f32                  |          |
| Name   | Actual Value                            | Expected Value             | Result   |
| EOTActuatorMng_Damping_MtrNm_M_f32                                       | 7.70292044                              | 7.70291996 ± 0.0000390625  | ~        |
| EOTActuatorMng_EOTImpactPos_HwDeg_M_f32                                  | 400.079987                              | 400.079987 ± 0.0000390625  | ~        |
| EOTActuatorMng_FiltEOTGainSV_HwNm_M_u1p31                                | 223403493                               | 223403493 ± 1              | ~        |
| EOTActuatorMng_FiltHWTrqSV_HwNm_M_s7p24                                  | 84881536                                | 84881536 ± 1               | <b>✓</b> |
| EOTActuatorMng_OutputRampMultLtd_M_f32                                   | 0.773000002                             | 0.773000002 ± 0.00390625   | ~        |
| EOTActuatorMng_PrevEOTGain_Uls_M_f32                                     | 0.104003906                             | 0.104003906 ± 0.0625       | ~        |
| EOTActuatorMng_SESState_Uls_M_enum                                       | SES_DISABLED                            | SES_DISABLED               | ~        |
| target_EOTActuatorMng_Per1_AssistEOTDamping_MtrNm_f32.value              | 7.70292044                              | 7.70291996 ± 0.00048828125 | ~        |
| target_EOTActuatorMng_Per1_AssistEOTGain_Uls_f32.value                   | 0.104003906                             | 0.104003906 ± 0.0000390625 | ~        |
| target_EOTActuatorMng_Per1_AssistEOTLimit_MtrNm_f32.value                | 8.80000019                              | 8.80000019 ± 0.00048828125 | ~        |

| T  |       |  |       | <b>✓</b> |
|--|-------|--|-------|----------|
| Actual Function  | Count | Expected Function                                  | Count | Result   |
| <b>日本</b> j@allg.新像TActuatorMng_Pen1_FGRpdCtneckpgintReached | 1     | Rte_Call_EOTActuatorMng_Per1_CP0_CheckpointReached | 1     | ~        |
| EOTDetermination   | 1     | EOTDetermination                                   | 1     | •        |
| SES_DetLmtPos  | 1     | SES_DetLmtPos                                      | 1     | •        |
| SES_CalcExitGain   | 1     | SES_CalcExitGain                                   | 1     | •        |
| IntplVarXY_u16_u16Xu16Y_Cnt                                  | 1     | IntplVarXY_u16_u16Xu16Y_Cnt                        | 1     | •        |
| SES_CalcEnterGain  | 1     | SES_CalcEnterGain                                  | 1     | ~        |
| BilinearXMYM_u16_u16XMu16YM_Cnt                              | 1     | BilinearXMYM_u16_u16XMu16YM_Cnt                    | 1     | ~        |
| SES_CalcEOTGain  | 1     | SES_CalcEOTGain                                    | 1     | •        |
| SES_FiltEOTGain  | 1     | SES_FiltEOTGain                                    | 1     | ~        |
| SES_CalcEOTDamp  | 1     | SES_CalcEOTDamp                                    | 1     | •        |
| BilinearXMYM_u16_u16XMu16YM_Cnt                              | 1     | BilinearXMYM_u16_u16XMu16YM_Cnt                    | 1     | ~        |
| SES_StateCtrl  | 1     | SES_StateCtrl                                      | 1     | ~        |
| Rte_Call_EOTActuatorMng_Per1_CP1_CheckpointReached           | 1     | Rte_Call_EOTActuatorMng_Per1_CP1_CheckpointReached | 1     | ~        |

| Test Step 2.51 (Repeat Count = 1)         |             | <b>✓</b> |
|---|-------------|----------|
| Name                                      | Input Value |          |
| EOTActuatorMng_Damping_MtrNm_M_f32        | 8.19999981  |          |
| EOTActuatorMng_EOTImpactPos_HwDeg_M_f32   | 300.869995  |          |
| EOTActuatorMng_FiltEOTGainSV_HwNm_M_u1p31 | 1932735283  |          |
| EOTActuatorMng_FiltHWTrqSV_HwNm_M_s7p24   | -67108864   |          |
| EOTActuatorMng_PrevEOTGain_Uls_M_f32      | 0.230000004 |          |

Hwf

2015-06-29, 18:31:27+0530



| 2017lotationwing_1 of 1  |             |
|--|-------------|
| Name   | Input Value |
| t2_EOTEnterGainX_HwDeg_u12p4[3][1]                                       | 2288        |
| t2_EOTEnterGainX_HwDeg_u12p4[3][2]                                       | 2304        |
| t2_EOTEnterGainX_HwDeg_u12p4[3][3]                                       | 2320        |
| t2_EOTEnterGainY_Uls_u1p15[0][0]   | 7           |
| t2_EOTEnterGainY_Uls_u1p15[0][1]   | 8           |
| t2_EOTEnterGainY_Uls_u1p15[0][2]   | 98          |
| t2_EOTEnterGainY_Uls_u1p15[0][3]   | 954         |
| t2_EOTEnterGainY_Uls_u1p15[1][0]   | 5           |
| t2_EOTEnterGainY_Uls_u1p15[1][1]   | 5           |
| t2_EOTEnterGainY_Uls_u1p15[1][2]   | 196         |
| t2_EOTEnterGainY_Uls_u1p15[1][3]   | 1930        |
| t2_EOTEnterGainY_Uls_u1p15[2][0]   | 7           |
| t2_EOTEnterGainY_Uls_u1p15[2][1]   | 7           |
| t2_EOTEnterGainY_Uls_u1p15[2][2]   | 78          |
| t2_EOTEnterGainY_Uls_u1p15[2][3]   | 763         |
| t2_EOTEnterGainY_Uls_u1p15[3][0]   | 573         |
| 12_EOTEINE/GainT_0is_01p10[0][0]<br>12_EOTEINE/GainT_Uls_u1p15[3][1]     | 59          |
| t2_EOTEnterGainY_Uls_u1p15[3][2]   | 6           |
| t2_EOTEInterGain1_dis_u1p15[3][2] t2_EOTEInterGain1_dis_u1p15[3][3]      | 7           |
|  |             |
| t2_EOTExPosDepDmpTblY_MtrNmpRadps_u0p16[0][0]                            | 198         |
| t2_EOTExPosDepDmpTblY_MtrNmpRadps_u0p16[0][1]                            | 280         |
| t2_EOTExPosDepDmpTblY_MtrNmpRadps_u0p16[1][0]                            | 410         |
| t2_EOTExPosDepDmpTblY_MtrNmpRadps_u0p16[1][1]                            | 581         |
| t2_EOTExPosDepDmpTblY_MtrNmpRadps_u0p16[2][0]                            | 380         |
| t2_EOTExPosDepDmpTblY_MtrNmpRadps_u0p16[2][1]                            | 538         |
| t2_EOTExPosDepDmpTblY_MtrNmpRadps_u0p16[3][0]                            | 153         |
| t2_EOTExPosDepDmpTblY_MtrNmpRadps_u0p16[3][1]                            | 216         |
| t2_EOTPosDepDmpTblX_HwDeg_u12p4[0][0]                                    | 320         |
| t2_EOTPosDepDmpTbIX_HwDeg_u12p4[0][1]                                    | 0           |
| t2_EOTPosDepDmpTblX_HwDeg_u12p4[1][0]                                    | 1120        |
| t2_EOTPosDepDmpTbIX_HwDeg_u12p4[1][1]                                    | 1504        |
| t2_EOTPosDepDmpTblX_HwDeg_u12p4[2][0]                                    | 1120        |
| t2_EOTPosDepDmpTblX_HwDeg_u12p4[2][1]                                    | 1504        |
| t2_EOTPosDepDmpTbIX_HwDeg_u12p4[3][0]                                    | 288         |
| t2_EOTPosDepDmpTbIX_HwDeg_u12p4[3][1]                                    | 3440        |
| t2_EOTPosDepDmpTblY_MtrNmpRadpS_u0p16[0][0]                              | 108         |
| t2_EOTPosDepDmpTblY_MtrNmpRadpS_u0p16[0][1]                              | 769         |
| t2_EOTPosDepDmpTblY_MtrNmpRadpS_u0p16[1][0]                              | 334         |
| t2_EOTPosDepDmpTblY_MtrNmpRadpS_u0p16[1][1]                              | 474         |
| t2_EOTPosDepDmpTblY_MtrNmpRadpS_u0p16[2][0]                              | 68          |
| t2_EOTPosDepDmpTbIY_MtrNmpRadpS_u0p16[2][1]                              | 52          |
| t2_EOTPosDepDmpTblY_MtrNmpRadpS_u0p16[3][0]                              | 10          |
| t2_EOTPosDepDmpTblY_MtrNmpRadpS_u0p16[3][1]                              | 452         |
| t EOTDmpVspd Kph u9p7[0]   | 9984        |
| t_EOTDmpVspd_Kph_u9p7[1]   | 29824       |
| t_EOTDmpVspd_Kph_u9p7[2]   | 29952       |
| t_EOTDmpVspd_Kph_u9p7[3]   | 30080       |
| t_EOTEnterGainVspd_Kph_u9p7[0]   | 9984        |
| t_EOTEnterGainVspd_kpii_usp7[0]<br>t_EOTEnterGainVspd_kpii_usp7[1]       | 29824       |
| _  | 29952       |
| t_EOTEnterGainVspd_Kph_u9p7[2] t EOTEnterGainVspd Kph u9p7[3]            | 30080       |
| _  | 608         |
| t_SpdlptTblXTbl_HwDeg_u12p4[0]   |             |
| t_SpdlptTblXTbl_HwDeg_u12p4[1]   | 992         |
| t_SpdlptTblYTbl_MtrRadpS_u12p4[0]  | 1104        |
| t_SpdlptTblYTbl_MtrRadpS_u12p4[1]  | 1488        |
| t_TrqTableX_HwNm_u8p8[0]   | 1792        |
| t_TrqTableX_HwNm_u8p8[1]   | 2304        |
| t_TrqTblY_Uls_u2p14[0]   | 721         |
| t_TrqTblY_Uls_u2p14[1]   | 803         |
| target_EOTActuatorMng_Per1_CcwEOT_HwDeg_f32.value                        | -777.544006 |
| target_EOTActuatorMng_Per1_CcwFound_Cnt_lgc.value                        | 0           |
| target_EOTActuatorMng_Per1_CwEOT_HwDeg_f32.value                         | 876.840027  |
| target_EOTActuatorMng_Per1_CwFound_Cnt_lgc.value                         | 1           |
| target_EOTActuatorMng_Per1_EOTDisable_Cnt_lgc.value                      | 0           |
| target_EOTActuatorMng_Per1_HandWheelAuth_Uls_f32.value                   | 1           |
| target_EOTActuatorMng_Per1_HandWheelPos_HwDeg_f32.value                  | 444.047211  |
| target_EOTActuatorMng_Per1_HwTorque_HwNm_f32.value                       | 9.5         |
| target_EOTActuatorMng_Per1_MotorVel_MtrRadpS_f32.value                   | -250        |
| target_EOTActuatorMng_Per1_OutputRampMultLtd_Uls_f32.value               | 0.684000015 |
| target_EOTActuatorMng_Per1_VehicleSpeed_Kph_f32.value                    | 13.0846004  |
| target_Rte_Inst_Ap_EOTActuatorMng.EOTActuatorMng_Per1_AssistEOTDamping   |             |
| target_Rte_Inst_Ap_EOTActuatorMng.EOTActuatorMng_Per1_AssistEOTGain_Uls  |             |
| target_Rte_Inst_Ap_EOTActuatorMng.EOTActuatorMng_Per1_AssistEOTLimit_Mtr |             |
|  |             |



| Name   | Input Value                            |                            |        |
|--|--|----------------------------|--------|
| target_Rte_Inst_Ap_EOTActuatorMng.EOTActuatorMng_Per1_CcwEOT_HwDeg_f3  | target_EOTActuatorMng_Per1_CcwEOT_Hv   | /Deg_f32                   |        |
| $target\_Rte\_Inst\_Ap\_EOTActuatorMng.EOTActuatorMng\_Per1\_CcwFound\_Cnt\_lgc$   | target_EOTActuatorMng_Per1_CcwFound_0  | Cnt_lgc                    |        |
| target_Rte_Inst_Ap_EOTActuatorMng.EOTActuatorMng_Per1_CwEOT_HwDeg_f32  | target_EOTActuatorMng_Per1_CwEOT_HwI   | Deg_f32                    |        |
| $target\_Rte\_Inst\_Ap\_EOTActuatorMng.EOTActuatorMng\_Per1\_CwFound\_Cnt\_lgc$  | target_EOTActuatorMng_Per1_CwFound_Ci  | nt_lgc                     |        |
| target_Rte_Inst_Ap_EOTActuatorMng.EOTActuatorMng_Per1_EOTDisable_Cnt_lgd   | target_EOTActuatorMng_Per1_EOTDisable_ | _Cnt_lgc                   |        |
| $target\_Rte\_Inst\_Ap\_EOTActuatorMng\_EOTActuatorMng\_Per1\_HandWheelAuth\_Ulstarget\_Rte\_Inst\_Ap\_EOTActuatorMng\_Per1\_HandWheelAuth\_Ulstarget\_Rte\_Inst\_Ap\_EOTActuatorMng\_Per1\_HandWheelAuth\_Ulstarget\_Rte\_Inst\_Ap\_EOTActuatorMng\_Per1\_HandWheelAuth\_Ulstarget\_Rte\_Inst\_Ap\_EOTActuatorMng\_Per1\_HandWheelAuth\_Ulstarget\_Rte\_Inst\_Ap\_EOTActuatorMng\_Per1\_HandWheelAuth\_Ulstarget\_Rte\_Inst\_Ap\_EOTActuatorMng\_Per1\_HandWheelAuth\_Ulstarget\_Rte\_Inst\_Ap\_EOTActuatorMng\_Per1\_HandWheelAuth\_Ulstarget\_Rte\_Inst\_Ap\_EOTActuatorMng\_Per1\_HandWheelAuth\_Ulstarget\_Rte\_Inst\_Ap\_EOTActuatorMng\_Per1\_HandWheelAuth\_Ulstarget\_Rte\_Inst\_Ap\_EOTActuatorMng\_Per1\_HandWheelAuth\_Ulstarget\_Rte\_Inst\_Ap\_EOTActuatorMng\_Per1\_HandWheelAuth\_Ulstarget\_Rte\_Inst_Ap\_EOTActuatorMng\_Per1\_HandWheelAuth\_Ulstarget\_Rte\_Inst_Ap\_EOTActuatorMng\_Per1\_HandWheelAuth\_Ulstarget\_Rte\_Inst_Ap\_EOTActuatorMng\_Per1\_HandWheelAuth\_Rte\_Inst_Ap\_EOTActuatorMng\_Per1\_HandWheelAuth\_Rte\_Inst_Ap\_EOTActuatorMng\_Per1\_HandWheelAuth\_Rte\_Inst_Ap\_EOTActuatorMng\_Per1\_HandWheelAuth\_Rte\_Inst_Ap\_EOTActuatorMng\_Per1\_HandWheelAuth_Rte\_Inst_Ap\_EOTActuatorMng\_Per1\_HandWheelA$ | target_EOTActuatorMng_Per1_HandWheelA  | auth_Uls_f32               |        |
| target Rte Inst Ap EOTActuatorMng.EOTActuatorMng Per1 HandWheelPos Hw  | target_EOTActuatorMng_Per1_HandWheelF  | os_HwDeg_f32               |        |
| $target\_Rte\_Inst\_Ap\_EOTActuatorMng\_EOTActuatorMng\_Per1\_HwTorque\_HwNm\_f$   | target_EOTActuatorMng_Per1_HwTorque_H  | lwNm_f32                   |        |
| target_Rte_Inst_Ap_EOTActuatorMng.EOTActuatorMng_Per1_MotorVel_MtrRadpS  | target_EOTActuatorMng_Per1_MotorVel_Mt | rRadpS_f32                 |        |
| $target\_Rte\_Inst\_Ap\_EOTActuatorMng\_EOTActuatorMng\_Per1\_OutputRampMultLtd\_Inst\_Ap\_EOTActuatorMng\_Per1\_OutputRampMultLtd\_Inst\_Ap\_EOTActuatorMng\_Per1\_OutputRampMultLtd\_Inst\_Ap\_EOTActuatorMng\_Per1\_OutputRampMultLtd\_Inst\_Ap\_EOTActuatorMng\_Per1\_OutputRampMultLtd\_InstAp\_EOTActuatorMng\_Per1\_OutputRampMultLtd\_InstAp\_EOTActuatorMng\_Per1\_OutputRampMultLtd\_InstAp\_EOTActuatorMng\_Per1\_OutputRampMultLtd\_InstAp\_EOTActuatorMng\_Per1\_OutputRampMultLtd\_InstAp\_EOTActuatorMng\_Per1\_OutputRampMultLtd\_InstAp\_EOTActuatorMng\_Per1\_OutputRampMultLtd\_InstAp\_EOTActuatorMng\_Per1\_OutputRampMultLtd\_InstAp\_EOTActuatorMng\_Per1\_OutputRampMultLtd\_InstAp\_EOTActuatorMng\_Per1\_OutputRampMultLtd\_InstAp\_EOTActuatorMng\_Per1\_OutputRampMultLtd\_InstAp\_EOTActuatorMng\_InstAp\_EOTActuator$                      | target_EOTActuatorMng_Per1_OutputRamp  | MultLtd_Uls_f32            |        |
| target_Rte_Inst_Ap_EOTActuatorMng.EOTActuatorMng_Per1_VehicleSpeed_Kph_  | target_EOTActuatorMng_Per1_VehicleSpee | d_Kph_f32                  |        |
| Name   | Actual Value                           | Expected Value             | Result |
| EOTActuatorMng_Damping_MtrNm_M_f32   | 7.79481983                             | 7.79481983 ± 0.0000390625  | ~      |
| EOTActuatorMng_EOTImpactPos_HwDeg_M_f32  | 444.047211                             | 444.047211 ± 0.0000390625  | ~      |
| EOTActuatorMng_FiltEOTGainSV_HwNm_M_u1p31  | 1746017692                             | 1746017692 ± 1             | ~      |
| EOTActuatorMng_FiltHWTrqSV_HwNm_M_s7p24  | -58340992                              | -58340992 ± 1              | ~      |
| EOTActuatorMng_OutputRampMultLtd_M_f32   | 0.684000015                            | 0.684000015 ± 0.00390625   | ~      |
| EOTActuatorMng_PrevEOTGain_Uls_M_f32   | 0.813049316                            | 0.813049316 ± 0.0625       | ~      |
| EOTActuatorMng_SESState_Uls_M_enum   | SES_DISABLED                           | SES_DISABLED               | ~      |
| target_EOTActuatorMng_Per1_AssistEOTDamping_MtrNm_f32.value  | 7.79481983                             | 7.79481983 ± 0.00048828125 | ~      |
| target_EOTActuatorMng_Per1_AssistEOTGain_Uls_f32.value   | 0.813049316                            | 0.813049316 ± 0.0000390625 | ~      |
| target_EOTActuatorMng_Per1_AssistEOTLimit_MtrNm_f32.value  | 0                                      | 0 ± 0.00048828125          | ~      |

| <u> </u>   |       |  |       | ~        |
|--|-------|--|-------|----------|
| Actual Function                                    | Count | Expected Function                                  | Count | Result   |
| Rte_Call_EOTActuatorMng_Per1_CP0_CheckpointReached | 1     | Rte_Call_EOTActuatorMng_Per1_CP0_CheckpointReached | 1     | ~        |
| EOTDetermination                                   | 1     | EOTDetermination                                   | 1     | ~        |
| EOTOrigImpact                                      | 1     | EOTOrigImpact                                      | 1     | ~        |
| IntplVarXY_u16_u16Xu16Y_Cnt                        | 1     | IntplVarXY_u16_u16Xu16Y_Cnt                        | 1     | ~        |
| SES_DetLmtPos                                      | 1     | SES_DetLmtPos                                      | 1     | ~        |
| SES_CalcExitGain                                   | 1     | SES_CalcExitGain                                   | 1     | ~        |
| IntplVarXY_u16_u16Xu16Y_Cnt                        | 1     | IntplVarXY_u16_u16Xu16Y_Cnt                        | 1     | ~        |
| SES_CalcEnterGain                                  | 1     | SES_CalcEnterGain                                  | 1     | ~        |
| BilinearXMYM_u16_u16XMu16YM_Cnt                    | 1     | BilinearXMYM_u16_u16XMu16YM_Cnt                    | 1     | -        |
| SES_CalcEOTGain                                    | 1     | SES_CalcEOTGain                                    | 1     | ~        |
| SES_FiltEOTGain                                    | 1     | SES_FiltEOTGain                                    | 1     | ~        |
| SES_CalcEOTDamp                                    | 1     | SES_CalcEOTDamp                                    | 1     | ~        |
| BilinearXMYM_u16_u16XMu16YM_Cnt                    | 1     | BilinearXMYM_u16_u16XMu16YM_Cnt                    | 1     | ~        |
| SES_StateCtrl                                      | 1     | SES_StateCtrl                                      | 1     | ~        |
| Rte Call EOTActuatorMng Per1 CP1 CheckpointReached | 1     | Rte Call EOTActuatorMng Per1 CP1 CheckpointReached | 1     | <b>✓</b> |

| Test Step 2.52 (Repeat Count = 1)         | <b>✓</b>                          |
|---|-----------------------------------|
| Name                                      | Input Value                       |
| EOTActuatorMng_Damping_MtrNm_M_f32        | -20.5                             |
| EOTActuatorMng_EOTImpactPos_HwDeg_M_f32   | 789.052002                        |
| EOTActuatorMng_FiltEOTGainSV_HwNm_M_u1p31 | 1009317315                        |
| EOTActuatorMng_FiltHWTrqSV_HwNm_M_s7p24   | 23991419                          |
| EOTActuatorMng_PrevEOTGain_Uls_M_f32      | 0.649999976                       |
| EOTActuatorMng_SESState_Uls_M_enum        | SES_NORMAL                        |
| Rte_Inst_Ap_EOTActuatorMng                | target_Rte_Inst_Ap_EOTActuatorMng |
| k_EOTActiveRegionBypassMaxThresh_Uls_f32  | 0.606000006                       |
| k_EOTDefltPosition_HwDeg_u12p4            | 3200                              |
| k_EOTDeltaTrqThrsh_HwNm_u9p7              | 1152                              |
| k_EOTDynConf_Uls_u8p8                     | 0                                 |
| k_EOTEnterLPFKn_Cnt_u16                   | 6544                              |
| k_EOTExitLPFKn_Cnt_u16                    | 111                               |
| k_EOTImpSpdEn_Kph_u9p7                    | 5376                              |
| k_EOTOriginalImpactandSoftEnd_Cnt_lgc     | 1                                 |
| k_EOTPosDepDempFinalSlew_MtrNmpS_T_f32    | 206.639999                        |
| k_EOTStateHwTrqLPFKn_Cnt_u16              | 3754                              |
| k_MaxRackTrvl_HwDeg_u12p4                 | 1776                              |
| k_MinRackTrvl_HwDeg_u12p4                 | 14400                             |
| k_PosRampStep_HwDeg_u12p4                 | 10848                             |
| k_SoftStopEOTEnable_Cnt_lgc               | 1                                 |
| k_SpdlptScale_MtrNmpRadpS_u4p12           | 80                                |
| t2_EOTEnterGainX_HwDeg_u12p4[0][0]        | 0                                 |
| t2_EOTEnterGainX_HwDeg_u12p4[0][1]        | 80                                |
| t2_EOTEnterGainX_HwDeg_u12p4[0][2]        | 176                               |
| t2_EOTEnterGainX_HwDeg_u12p4[0][3]        | 320                               |
| t2_EOTEnterGainX_HwDeg_u12p4[1][0]        | 480                               |

2015-06-29, 18:31:27+0530



| EOTActuatorMng_Per1   | MACICAL      |
|---|--------------|
| Name  | Input Value  |
| t2_EOTEnterGainX_HwDeg_u12p4[1][1]  | 1424         |
| t2_EOTEnterGainX_HwDeg_u12p4[1][2]  | 1440         |
| t2_EOTEnterGainX_HwDeg_u12p4[1][3]  | 1456         |
| t2_EOTEnterGainX_HwDeg_u12p4[2][0]  | 1120         |
| t2_EOTEnterGainX_HwDeg_u12p4[2][1]  | 3344         |
| t2_EOTEnterGainX_HwDeg_u12p4[2][2]  | 3360         |
| t2_EOTEnterGainX_HwDeg_u12p4[2][3]  | 3376         |
| t2_EOTEnterGainX_HwDeg_u12p4[3][0]  | 1760         |
| t2_EOTEnterGainX_HwDeg_u12p4[3][1]  | 5264         |
| t2_EOTEnterGainX_HwDeg_u12p4[3][2]  | 5280<br>5296 |
| t2_EOTEnterGainX_HwDeg_u12p4[3][3]  | 0            |
| t2_EOTEnterGainY_Uls_u1p15[0][0]<br>t2_EOTEnterGainY_Uls_u1p15[0][1]                | 3            |
| t2_EOTEnterGainY_Uls_u1p15[0][2]  | 4            |
| t2_EOTEnterGainY_Uls_u1p15[0][3]  | 5            |
| t2_EOTE:hterGainY_Uls_u1p15[1][0]   | 5            |
| t2_EOTEnterGainY_Uls_u1p15[1][1]  | 6            |
| t2_EOTEnterGainY_Uls_u1p15[1][2]  | 29           |
| t2_EOTEnterGainY_Uls_u1p15[1][3]  | 288          |
| 12_EOTEnterGainY_Uls_u1p15[2][0]  | 5            |
| t2_EOTEnterGainY_Uls_u1p15[2][1]  | 5            |
| 12_EOTEnterGainY_Uls_u1p15[2][2]  | 20           |
| 12_EOTEnterGainY_Uls_u1p15[2][3]  | 193          |
| t2_EOTEnterGainY_Uls_u1p15[3][0]  | 763          |
| t2_EOTEnterGainY_Uls_u1p15[3][1]  | 78           |
| t2_EOTEnterGainY_Uls_u1p15[3][2]  | 7            |
| t2_EOTEnterGainY_Uls_u1p15[3][3]  | 7            |
| t2_EOTExPosDepDmpTbIY_MtrNmpRadps_u0p16[0][0]                                       | 76           |
| t2_EOTExPosDepDmpTblY_MtrNmpRadps_u0p16[0][1]                                       | 108          |
| 2_EOTExPosDepDmpTblY_MtrNmpRadps_u0p16[1][0]  | 77           |
| 12_EOTExPosDepDmpTblY_MtrNmpRadps_u0p16[1][1]                                       | 108          |
| I2_EOTExPosDepDmpTblY_MtrNmpRadps_u0p16[2][0]                                       | 77           |
| t2_EOTExPosDepDmpTblY_MtrNmpRadps_u0p16[2][1]                                       | 108          |
| t2_EOTExPosDepDmpTblY_MtrNmpRadps_u0p16[3][0]                                       | 32<br>44     |
| t2_EOTExPosDepDmpTblY_MtrNmpRadps_u0p16[3][1] t2_EOTPosDepDmpTblX_HwDeg_u12p4[0][0] | 448          |
| t2_EOTPosDepDmpTblX_HwDeg_u12p4[0][1]   | 1120         |
| t2_EOTPosDepDmpTblX_HwDeg_u12p4[1][0]   | 640          |
| t2_EOTPosDepDmpTbIX_HwDeg_u12p4[1][1]   | 1024         |
| t2_EOTPosDepDmpTblX_HwDeg_u12p4[2][0]   | 640          |
| t2_EOTPosDepDmpTblX_HwDeg_u12p4[2][1]   | 4016         |
| t2_EOTPosDepDmpTblX_HwDeg_u12p4[3][0]   | 400          |
| t2_EOTPosDepDmpTblX_HwDeg_u12p4[3][1]   | 544          |
| t2_EOTPosDepDmpTblY_MtrNmpRadpS_u0p16[0][0]   | 1            |
| t2_EOTPosDepDmpTblY_MtrNmpRadpS_u0p16[0][1]   | 44           |
| t2_EOTPosDepDmpTblY_MtrNmpRadpS_u0p16[1][0]   | 37           |
| t2_EOTPosDepDmpTblY_MtrNmpRadpS_u0p16[1][1]   | 194          |
| t2_EOTPosDepDmpTblY_MtrNmpRadpS_u0p16[2][0]   | 62           |
| t2_EOTPosDepDmpTblY_MtrNmpRadpS_u0p16[2][1]   | 87           |
| t2_EOTPosDepDmpTblY_MtrNmpRadpS_u0p16[3][0]   | 10           |
| t2_EOTPosDepDmpTblY_MtrNmpRadpS_u0p16[3][1]   | 452          |
| t_EOTDmpVspd_Kph_u9p7[0]  | 3840         |
| t_EOTDmpVspd_Kph_u9p7[1]  | 11392        |
| t_EOTDmpVspd_Kph_u9p7[2]  | 11520        |
| t_EOTDmpVspd_Kph_u9p7[3]  | 11648        |
| t_EOTEnterGainVspd_Kph_u9p7[0]  | 3840         |
| t_EOTEnterGainVspd_Kph_u9p7[1]  | 11392        |
| t_EOTEnterGainVspd_Kph_u9p7[2]  | 11520        |
| t_EOTEnterGainVspd_Kph_u9p7[3]  | 11648        |
| t_SpdlptTblXTbl_HwDeg_u12p4[0]  | 64<br>224    |
| :_SpdlptTblXTbl_HwDeg_u12p4[1]<br>:_SpdlptTblYTbl_MtrRadpS_u12p4[0]                 | 400          |
| t_SpdiptTblYTbl_MtrRadpS_u12p4[0]<br>t_SpdlptTblYTbl_MtrRadpS_u12p4[1]              | 544          |
| t_TrqTableX_HwNm_u8p8[0]  | 512          |
| t_TrqTableX_HwNm_u8p8[1]  | 2304         |
| t_TrqTblY_Uls_u2p14[0]  | 16           |
| t_TrqTblY_Uls_u2p14[1]  | 164          |
| target_EOTActuatorMng_Per1_CcwEOT_HwDeg_f32.value                                   | -888.109985  |
| target_EOTActuatorMng_Per1_CcwFound_Cnt_lgc.value                                   | 1            |
| target_EOTActuatorMng_Per1_CwEOT_HwDeg_f32.value                                    | 950.544006   |
| target_EOTActuatorMng_Per1_CwFound_Cnt_lgc.value                                    | 1            |
| target_EOTActuatorMng_Per1_EOTDisable_Cnt_lgc.value                                 | 0            |
| target LOTACIDATORNING FELL LOTDISABLE CITE IUC.Value                               |              |

2015-06-29, 18:31:27+0530



 $target\_EOTActuatorMng\_Per1\_AssistEOTGain\_Uls\_f32.value$ 

 $target\_EOTActuatorMng\_Per1\_AssistEOTLimit\_MtrNm\_f32.value$ 



0.423065186 ± 0.0000390625

0.486328125 ± 0.00048828125

| Name   | Input Value                                   |  |          |  |
|--|---|--|----------|--|
| target EOTActuatorMng Per1 HandWheelPos HwDeg f32.value  | 800.01001                                     | 800.01001  |          |  |
| target EOTActuatorMng Per1 HwTorque HwNm f32.value   | -10   |  |          |  |
| target EOTActuatorMng Per1 MotorVel MtrRadpS f32.value   | 0.10000001                                    |  |          |  |
| target_EOTActuatorMng_Per1_OutputRampMultLtd_Uls_f32.value   | 0.819000006                                   |  |          |  |
| target_EOTActuatorMng_Per1_VehicleSpeed_Kph_f32.value  | 10.0100002                                    |  |          |  |
| target_Rte_Inst_Ap_EOTActuatorMng.EOTActuatorMng_Per1_AssistEOTDampir  | g_ target_EOTActuatorMng_Per1_AssistEOTI      | Damping_MtrNm_f32                                |          |  |
| target Rte Inst Ap EOTActuatorMng.EOTActuatorMng Per1 AssistEOTGain U  | ls target_EOTActuatorMng_Per1_AssistEOT       | Gain_Uls_f32                                     |          |  |
| $target\_Rte\_Inst\_Ap\_EOTActuatorMng.EOTActuatorMng\_Per1\_AssistEOTLimit\_Material (SCIE) and the property of the$  | trr target_EOTActuatorMng_Per1_AssistEOTI     | _imit_MtrNm_f32                                  |          |  |
| target_Rte_Inst_Ap_EOTActuatorMng.EOTActuatorMng_Per1_CcwEOT_HwDeg   | f3 target_EOTActuatorMng_Per1_CcwEOT_F        | lwDeg_f32  |          |  |
| $target\_Rte\_Inst\_Ap\_EOTActuatorMng.EOTActuatorMng\_Per1\_CcwFound\_Cnt\_lgarget_Rte\_Inst\_Ap\_EOTActuatorMng.EOTActuatorMng\_Per1\_CcwFound\_Cnt\_lgarget_Rte\_Inst\_Ap\_EOTActuatorMng.EOTActuatorMng\_Per1\_CcwFound\_Cnt\_lgarget_Rte\_Inst\_Ap\_EOTActuatorMng.EOTActuatorMng\_Per1\_CcwFound\_Cnt\_lgarget_Rte\_Inst\_Ap\_EOTActuatorMng.EOTActuatorMng\_Per1\_CcwFound\_Cnt\_lgarget_Rte\_Inst\_Ap\_EOTActuatorMng.EOTActuatorMng\_Per1\_CcwFound\_Cnt\_lgarget_Rte\_Inst\_Ap\_EOTActuatorMng.EOTActuatorMng\_Per1\_CcwFound\_Cnt\_lgarget_Rte\_Inst_Ap\_EOTActuatorMng.EOTA$   | c target_EOTActuatorMng_Per1_CcwFound         | _Cnt_lgc   |          |  |
| target_Rte_Inst_Ap_EOTActuatorMng.EOTActuatorMng_Per1_CwEOT_HwDeg_   | 32 target EOTActuatorMng Per1 CwEOT HwDeg f32 |  |          |  |
| target_Rte_Inst_Ap_EOTActuatorMng.EOTActuatorMng_Per1_CwFound_Cnt_Igo  | target_EOTActuatorMng_Per1_CwFound_Cnt_lgc    |  |          |  |
| target_Rte_Inst_Ap_EOTActuatorMng.EOTActuatorMng_Per1_EOTDisable_Cnt_  | lgc target_EOTActuatorMng_Per1_EOTDisable     | gc target EOTActuatorMng Per1 EOTDisable Cnt lgc |          |  |
| $target\_Rte\_Inst\_Ap\_EOTActuatorMng.EOTActuatorMng\_Per1\_HandWheelAuth\_Inst_Ap\_EOTActuatorMng\_Per1\_HandWheelAuth_Inst_Ap\_EOTActuatorMng\_Per1\_HandWheelAuth_Inst_Ap\_EOTActuatorMng\_Per1\_HandWheelAuth_Inst_Ap\_EOTActuatorMng\_Per1\_HandWheelAuth_Inst_Ap\_EOTActuatorMng\_Per1\_HandWheelAuth_Inst_Ap\_EOTActuatorMng\_Per1\_HandWheelAuth_Inst_Ap\_EOTActuatorMng\_Per1\_HandWheelAuth_Inst_Ap\_EOTActuatorMng\_Per1\_HandWheelAuth_Inst_Ap\_EOTActuatorMng\_Per1\_HandWheelAuth_Inst_Ap\_EOTActuatorMng\_Per1\_HandWheelAuth_Inst_Ap\_EOTActuatorMng\_Per1\_HandWheelAuth_Inst_Ap\_EOTActuatorMng\_Per1\_HandWheelAuth_Inst_Ap\_EOTActuatorMng\_Per1\_HandWheelAuth_Inst_Ap_EOTActuatorMng\_Per1\_HandWheelAuth_Inst_Ap_EOTActuatorMng\_Per1\_HandWheelAuth_Inst_Ap_EOTActuatorMng\_Per1\_HandWheelAuth_Inst_Ap_EOTActuatorMng\_Per1\_HandWheelAuth_Inst_Ap_EOTActuatorMng\_Per1\_HandWheelAuth_In$ | Jls target_EOTActuatorMng_Per1_HandWhee       | lAuth_Uls_f32                                    |          |  |
| $target\_Rte\_Inst\_Ap\_EOTActuatorMng.EOTActuatorMng\_Per1\_HandWheelPos\_H$              | wl target_EOTActuatorMng_Per1_HandWhee        | IPos_HwDeg_f32                                   |          |  |
| target Rte Inst Ap EOTActuatorMng.EOTActuatorMng Per1 HwTorque HwNm  | f target_EOTActuatorMng_Per1_HwTorque_        | _HwNm_f32  |          |  |
| target_Rte_Inst_Ap_EOTActuatorMng.EOTActuatorMng_Per1_MotorVel_MtrRad  | oS_target_EOTActuatorMng_Per1_MotorVel_M      | /trRadpS_f32                                     |          |  |
| $target\_Rte\_Inst\_Ap\_EOTActuatorMng.EOTActuatorMng\_Per1\_OutputRampMultLampMultMultLampMultMultMultMultMultMultMultMultMultMult$   | td_target_EOTActuatorMng_Per1_OutputRam       | pMultLtd_Uls_f32                                 |          |  |
| target_Rte_Inst_Ap_EOTActuatorMng.EOTActuatorMng_Per1_VehicleSpeed_Kp  | n_ target_EOTActuatorMng_Per1_VehicleSpe      | ed_Kph_f32                                       |          |  |
| Name   | Actual Value                                  | Expected Value                                   | Result   |  |
| EOTActuatorMng_Damping_MtrNm_M_f32   | -20.0867195                                   | -20.0867195 ± 0.0000390625                       | -        |  |
| EOTActuatorMng_EOTImpactPos_HwDeg_M_f32  | 200   | 200 ± 0.0000390625                               | -        |  |
| EOTActuatorMng_FiltEOTGainSV_HwNm_M_u1p31  | 908572435                                     | 908572435 ± 1                                    | -        |  |
| EOTActuatorMng_FiltHWTrqSV_HwNm_M_s7p24  | 13007215                                      | 13007215 ± 1                                     | •        |  |
| EOTActuatorMng_OutputRampMultLtd_M_f32   | 0.819000006                                   | 0.819000006 ± 0.00390625                         | •        |  |
| EOTActuatorMng_PrevEOTGain_Uls_M_f32   | 0.423065186                                   | 0.423065186 ± 0.0625                             | -        |  |
| EOTActuatorMng_SESState_Uls_M_enum   | SES_NORMAL                                    | SES_NORMAL                                       | •        |  |
| target_EOTActuatorMng_Per1_AssistEOTDamping_MtrNm_f32.value  | -8.80000019                                   | -8.80000019 ± 0.00048828125                      | <b>✓</b> |  |
| torret FOTA street and are Dord Assist FOTO sin Life 100 cells   | 0.400005400                                   | 0.400005400 - 0.00000005                         |          |  |

| T ✓  |       |  |       |          |  |
|--|-------|--|-------|----------|--|
| Actual Function                                    | Count | Expected Function                                  | Count | Result   |  |
| Rte_Call_EOTActuatorMng_Per1_CP0_CheckpointReached | 1     | Rte_Call_EOTActuatorMng_Per1_CP0_CheckpointReached | 1     | ~        |  |
| EOTDetermination                                   | 1     | EOTDetermination                                   | 1     | ~        |  |
| EOTOrigImpact                                      | 1     | EOTOrigImpact                                      | 1     | ~        |  |
| IntplVarXY_u16_u16Xu16Y_Cnt                        | 1     | IntplVarXY_u16_u16Xu16Y_Cnt                        | 1     | ~        |  |
| SES_DetLmtPos                                      | 1     | SES_DetLmtPos                                      | 1     | ~        |  |
| SES_CalcExitGain                                   | 1     | SES_CalcExitGain                                   | 1     | ~        |  |
| IntplVarXY_u16_u16Xu16Y_Cnt                        | 1     | IntplVarXY_u16_u16Xu16Y_Cnt                        | 1     | ~        |  |
| SES_CalcEnterGain                                  | 1     | SES_CalcEnterGain                                  | 1     | •        |  |
| BilinearXMYM_u16_u16XMu16YM_Cnt                    | 1     | BilinearXMYM_u16_u16XMu16YM_Cnt                    | 1     | ~        |  |
| SES_CalcEOTGain                                    | 1     | SES_CalcEOTGain                                    | 1     | ~        |  |
| SES_FiltEOTGain                                    | 1     | SES_FiltEOTGain                                    | 1     | ~        |  |
| SES_CalcEOTDamp                                    | 1     | SES_CalcEOTDamp                                    | 1     | ~        |  |
| BilinearXMYM_u16_u16XMu16YM_Cnt                    | 1     | BilinearXMYM_u16_u16XMu16YM_Cnt                    | 1     | ~        |  |
| SES_StateCtrl                                      | 1     | SES_StateCtrl                                      | 1     | <b>✓</b> |  |
| IntplVarXY_u16_u16Xu16Y_Cnt                        | 2     | IntplVarXY_u16_u16Xu16Y_Cnt                        | 2     | ~        |  |
| Rte_Call_EOTActuatorMng_Per1_CP1_CheckpointReached | 1     | Rte_Call_EOTActuatorMng_Per1_CP1_CheckpointReached | 1     | ~        |  |

0.423065186

0.486328125

| Test Step 2.53 (Repeat Count = 1)         | <b>✓</b>                          |
|---|-----------------------------------|
| Name                                      | Input Value                       |
| EOTActuatorMng_Damping_MtrNm_M_f32        | 20.5                              |
| EOTActuatorMng_EOTImpactPos_HwDeg_M_f32   | 300.040009                        |
| EOTActuatorMng_FiltEOTGainSV_HwNm_M_u1p31 | 794568950                         |
| EOTActuatorMng_FiltHWTrqSV_HwNm_M_s7p24   | -148981678                        |
| EOTActuatorMng_PrevEOTGain_Uls_M_f32      | 0.540000021                       |
| EOTActuatorMng_SESState_Uls_M_enum        | SES_NORMAL                        |
| Rte_Inst_Ap_EOTActuatorMng                | target_Rte_Inst_Ap_EOTActuatorMng |
| k_EOTActiveRegionBypassMaxThresh_Uls_f32  | 0.91900003                        |
| k_EOTDefltPosition_HwDeg_u12p4            | 4800                              |
| k_EOTDeltaTrqThrsh_HwNm_u9p7              | 1024                              |
| k_EOTDynConf_Uls_u8p8                     | 5120                              |
| k_EOTEnterLPFKn_Cnt_u16                   | 3643                              |
| k_EOTExitLPFKn_Cnt_u16                    | 222                               |
| k_EOTImpSpdEn_Kph_u9p7                    | 5504                              |
| k_EOTOriginalImpactandSoftEnd_Cnt_lgc     | 0                                 |
| k_EOTPosDepDempFinalSlew_MtrNmpS_T_f32    | 1200                              |
| k_EOTStateHwTrqLPFKn_Cnt_u16              | 2436                              |
| k_MaxRackTrvl_HwDeg_u12p4                 | 3552                              |

EOTActuatorMng Per1

2015-06-29, 18:31:27+0530



Input Value k MinRackTrvl\_HwDeg\_u12p4 15456 2016 k\_PosRampStep\_HwDeg\_u12p4 k SoftStopEOTEnable\_Cnt\_lgc k\_SpdlptScale\_MtrNmpRadpS\_u4p12 80 t2 EOTEnterGainX\_HwDeg\_u12p4[0][0] 160 t2\_EOTEnterGainX\_HwDeg\_u12p4[0][1] 320 t2\_EOTEnterGainX\_HwDeg\_u12p4[0][2] 480 t2\_EOTEnterGainX\_HwDeg\_u12p4[0][3] 640 t2\_EOTEnterGainX\_HwDeg\_u12p4[1][0] 496 t2\_EOTEnterGainX\_HwDeg\_u12p4[1][1] 1472 t2\_EOTEnterGainX\_HwDeg\_u12p4[1][2] 1488 t2\_EOTEnterGainX\_HwDeg\_u12p4[1][3] 1504 t2\_EOTEnterGainX\_HwDeg\_u12p4[2][0] 1136 t2\_EOTEnterGainX\_HwDeg\_u12p4[2][1] 3392 t2\_EOTEnterGainX\_HwDeg\_u12p4[2][2] 3408 3424 t2\_EOTEnterGainX\_HwDeg\_u12p4[2][3] t2\_EOTEnterGainX\_HwDeg\_u12p4[3][0] 1776 t2\_EOTEnterGainX\_HwDeg\_u12p4[3][1] 5312 t2\_EOTEnterGainX\_HwDeg\_u12p4[3][2] 5328 t2\_EOTEnterGainX\_HwDeg\_u12p4[3][3] 5344 t2\_EOTEnterGainY\_Uls\_u1p15[0][0] 4 t2\_EOTEnterGainY\_Uls\_u1p15[0][1] 5 t2\_EOTEnterGainY\_Uls\_u1p15[0][2] 10 t2\_EOTEnterGainY\_Uls\_u1p15[0][3] 98 t2 EOTEnterGainY\_Uls\_u1p15[1][0] 5 t2\_EOTEnterGainY\_Uls\_u1p15[1][1] 6 t2\_EOTEnterGainY\_Uls\_u1p15[1][2] 39 t2\_EOTEnterGainY\_Uls\_u1p15[1][3] 383 t2 EOTEnterGainY Uls u1p15[2][0] 5 t2\_EOTEnterGainY\_Uls\_u1p15[2][1] 6 t2\_EOTEnterGainY\_Uls\_u1p15[2][2] 29 t2\_EOTEnterGainY\_Uls\_u1p15[2][3] 288 t2 EOTEnterGainY Uls u1p15[3][0] 859 t2\_EOTEnterGainY\_Uls\_u1p15[3][1] 88 t2\_EOTEnterGainY\_Uls\_u1p15[3][2] t2\_EOTEnterGainY\_Uls\_u1p15[3][3] 8 t2\_EOTExPosDepDmpTblY\_MtrNmpRadps\_u0p16[0][0] 16 22 t2\_EOTExPosDepDmpTblY\_MtrNmpRadps\_u0p16[0][1] t2\_EOTExPosDepDmpTblY\_MtrNmpRadps\_u0p16[1][0] 92 t2\_EOTExPosDepDmpTblY\_MtrNmpRadps\_u0p16[1][1] 130 t2\_EOTExPosDepDmpTblY\_MtrNmpRadps\_u0p16[2][0] 92 t2\_EOTExPosDepDmpTblY\_MtrNmpRadps\_u0p16[2][1] 130 t2\_EOTExPosDepDmpTblY\_MtrNmpRadps\_u0p16[3][0] 16 t2\_EOTExPosDepDmpTblY\_MtrNmpRadps\_u0p16[3][1] 22  $t2\_EOTPosDepDmpTblX\_HwDeg\_u12p4[0][0]$ 480 t2\_EOTPosDepDmpTblX\_HwDeg\_u12p4[0][1] 1136  $t2\_EOTPosDepDmpTblX\_HwDeg\_u12p4[1][0]$ 656 1040 t2\_EOTPosDepDmpTblX\_HwDeg\_u12p4[1][1]  $t2\_EOTPosDepDmpTblX\_HwDeg\_u12p4[2][0]$ 672 t2\_EOTPosDepDmpTblX\_HwDeg\_u12p4[2][1] 4032 t2 EOTPosDepDmpTblX HwDeg u12p4[3][0] 416 t2\_EOTPosDepDmpTblX\_HwDeg\_u12p4[3][1] 560 t2 EOTPosDepDmpTblY MtrNmpRadpS u0p16[0][0] 22 t2\_EOTPosDepDmpTblY\_MtrNmpRadpS\_u0p16[0][1] 160 t2\_EOTPosDepDmpTblY\_MtrNmpRadpS\_u0p16[1][0] 153 t2\_EOTPosDepDmpTblY\_MtrNmpRadpS\_u0p16[1][1] 216 t2\_EOTPosDepDmpTblY\_MtrNmpRadpS\_u0p16[2][0] 77 t2\_EOTPosDepDmpTblY\_MtrNmpRadpS\_u0p16[2][1] 108 t2\_EOTPosDepDmpTblY\_MtrNmpRadpS\_u0p16[3][0] 52 t2\_EOTPosDepDmpTblY\_MtrNmpRadpS\_u0p16[3][1] 68 t\_EOTDmpVspd\_Kph\_u9p7[0] 3968 11776  $t\_EOTDmpVspd\_Kph\_u9p7[1]$  $t\_EOTDmpVspd\_Kph\_u9p7[2]$ 11904 t\_EOTDmpVspd\_Kph\_u9p7[3] 12032 t\_EOTEnterGainVspd\_Kph\_u9p7[0] 3968 t\_EOTEnterGainVspd\_Kph\_u9p7[1] 11776 t\_EOTEnterGainVspd\_Kph\_u9p7[2] 11904 t EOTEnterGainVspd Kph u9p7[3] 12032 t\_SpdlptTblXTbl\_HwDeg\_u12p4[0] 48 t\_SpdlptTblXTbl\_HwDeg\_u12p4[1] 240 t\_SpdIptTbIYTbI\_MtrRadpS\_u12p4[0] 416 t\_SpdIptTbIYTbI\_MtrRadpS\_u12p4[1] 560 t\_TrqTableX\_HwNm\_u8p8[0] 512

2015-06-29, 18:31:27+0530



| Name  | Input Value  |                           |        |
|---|--|---------------------------|--------|
| t_TrqTableX_HwNm_u8p8[1]  | 2048   |                           |        |
| t_TrqTblY_Uls_u2p14[0]  | 33   |                           |        |
| t_TrqTblY_Uls_u2p14[1]  | 328  |                           |        |
| target_EOTActuatorMng_Per1_CcwEOT_HwDeg_f32.value   | -500.440002  |                           |        |
| target_EOTActuatorMng_Per1_CcwFound_Cnt_lgc.value   | 0  |                           |        |
| target_EOTActuatorMng_Per1_CwEOT_HwDeg_f32.value  | 500.049988   |                           |        |
| target_EOTActuatorMng_Per1_CwFound_Cnt_lgc.value  | 0  |                           |        |
| target_EOTActuatorMng_Per1_EOTDisable_Cnt_lgc.value   | 1  |                           |        |
| target_EOTActuatorMng_Per1_HandWheelAuth_Uls_f32.value  | 0.319999993  |                           |        |
| target_EOTActuatorMng_Per1_HandWheelPos_HwDeg_f32.value   | -200.029999  |                           |        |
| target_EOTActuatorMng_Per1_HwTorque_HwNm_f32.value  | 10   |                           |        |
| target_EOTActuatorMng_Per1_MotorVel_MtrRadpS_f32.value  | 0.200000003  |                           |        |
| target_EOTActuatorMng_Per1_OutputRampMultLtd_Uls_f32.value  | 0.856999993  |                           |        |
| target_EOTActuatorMng_Per1_VehicleSpeed_Kph_f32.value   | 8.02000046   |                           |        |
| $target\_Rte\_Inst\_Ap\_EOTActuatorMng.EOTActuatorMng\_Per1\_AssistEOTDamping\_Per1\_AssisTEOTDamping\_Per1\_AssisTEOTD$    | target_EOTActuatorMng_Per1_AssistEOTDa                 | amping_MtrNm_f32          |        |
| target Rte Inst Ap EOTActuatorMng.EOTActuatorMng Per1 AssistEOTGain Uls   | Uls target_EOTActuatorMng_Per1_AssistEOTGain_Uls_f32   |                           |        |
| $target\_Rte\_Inst\_Ap\_EOTActuatorMng.EOTActuatorMng\_Per1\_AssistEOTLimit\_MtrNer(AssistEOTL$  | target_EOTActuatorMng_Per1_AssistEOTLin                | nit_MtrNm_f32             |        |
| target_Rte_Inst_Ap_EOTActuatorMng.EOTActuatorMng_Per1_CcwEOT_HwDeg_f3   | target_EOTActuatorMng_Per1_CcwEOT_Hw                   | /Deg_f32                  |        |
| $target\_Rte\_Inst\_Ap\_EOTActuatorMng.EOTActuatorMng\_Per1\_CcwFound\_Cnt\_Igc$  | target_EOTActuatorMng_Per1_CcwFound_C                  | Cnt_lgc                   |        |
| target_Rte_Inst_Ap_EOTActuatorMng.EOTActuatorMng_Per1_CwEOT_HwDeg_f32   | target_EOTActuatorMng_Per1_CwEOT_HwI                   | Deg_f32                   |        |
| target_Rte_Inst_Ap_EOTActuatorMng.EOTActuatorMng_Per1_CwFound_Cnt_lgc   | target_EOTActuatorMng_Per1_CwFound_Cr                  | nt_lgc                    |        |
| target_Rte_Inst_Ap_EOTActuatorMng.EOTActuatorMng_Per1_EOTDisable_Cnt_lgc  | target_EOTActuatorMng_Per1_EOTDisable_                 | Cnt_lgc                   |        |
| $target\_Rte\_Inst\_Ap\_EOTActuatorMng.EOTActuatorMng\_Per1\_HandWheelAuth\_Ulstarget\_Rte\_Inst\_Ap\_EOTActuatorMng.EOTActuatorMng\_Per1\_HandWheelAuth\_Ulstarget\_Rte\_Inst\_Ap\_EOTActuatorMng.EOTActuatorMng\_Per1\_HandWheelAuth\_Ulstarget\_Rte\_Inst\_Ap\_EOTActuatorMng.EOTActuatorMng\_Per1\_HandWheelAuth\_Ulstarget\_Rte\_Inst\_Ap\_EOTActuatorMng.EOTActuatorMng\_Per1\_HandWheelAuth\_Ulstarget\_Rte\_Inst\_Ap\_EOTActuatorMng.EOTAc$   | target_EOTActuatorMng_Per1_HandWheelA                  | uth_Uls_f32               |        |
| target_Rte_Inst_Ap_EOTActuatorMng.EOTActuatorMng_Per1_HandWheelPos_Hwl  | target_EOTActuatorMng_Per1_HandWheelP                  | os_HwDeg_f32              |        |
| target Rte Inst Ap EOTActuatorMng.EOTActuatorMng Per1 HwTorque HwNm f   | Nm f target_EOTActuatorMng_Per1_HwTorque_HwNm_f32      |                           |        |
| target_Rte_Inst_Ap_EOTActuatorMng.EOTActuatorMng_Per1_MotorVel_MtrRadpS   | ladpS_target_EOTActuatorMng_Per1_MotorVel_MtrRadpS_f32 |                           |        |
| $target\_Rte\_Inst\_Ap\_EOTActuatorMng\_EOTActuatorMng\_Per1\_OutputRampMultLtd\_Inst\_Ap\_EOTActuatorMng\_Per1\_OutputRampMultLtd\_Inst\_Ap\_EOTActuatorMng\_Per1\_OutputRampMultLtd\_Inst\_Ap\_EOTActuatorMng\_Per1\_OutputRampMultLtd\_Inst\_Ap\_EOTActuatorMng\_Per1\_OutputRampMultLtd\_InstAp\_EOTActuatorMng\_Per1\_OutputRampMultLtd\_InstAp\_EOTActuatorMng\_Per1\_OutputRampMultLtd\_InstAp\_EOTActuatorMng\_Per1\_OutputRampMultLtd\_InstAp\_EOTActuatorMng\_Per1\_OutputRampMultLtd\_InstAp\_EOTActuatorMng\_Per1\_OutputRampMultLtd\_InstAp\_EOTActuatorMng\_Per1\_OutputRampMultLtd\_InstAp\_EOTActuatorMng\_Per1\_OutputRampMultLtd\_InstAp\_EOTActuatorMng\_Per1\_OutputRampMultLtd\_InstAp\_EOTActuatorMng\_Per1\_OutputRampMultLtd\_InstAp\_EOTActuatorMng\_Per1\_OutputRampMultLtd\_InstAp\_EOTActuatorMng\_Per1\_OutputRampMultLtd\_InstAp\_EOTActuatorMng\_Per1\_OutputRampMultLtd\_InstAp\_EOTActuatorMng\_Per1\_OutputRampMultLtd\_InstAp\_EOTActuatorMng\_Per1\_OutputRampMultLtd\_InstAp\_EOTActuatorMng\_Per1\_OutputRampMultLtd\_InstAp\_EOTActuatorMng\_Per1\_OutputRampMultLtd\_InstAp\_EOTActuatorMng\_Per1\_OutputRampMultLtd\_InstAp\_EOTActuatorMng\_InstAp\_EOTA$ | target_EOTActuatorMng_Per1_OutputRampl                 | MultLtd_Uls_f32           |        |
| target_Rte_Inst_Ap_EOTActuatorMng.EOTActuatorMng_Per1_VehicleSpeed_Kph_   | _Kph_ target_EOTActuatorMng_Per1_VehicleSpeed_Kph_f32  |                           |        |
| Name  | Actual Value   | Expected Value            | Result |
| EOTActuatorMng_Damping_MtrNm_M_f32  | 18.1000004   | 18.1000004 ± 0.0000390625 | ~      |
|   |  |                           |        |

| argot_rtc_mot_rtp_to 17 total to ming_t or 1_verifole opeca_rtpn_ target_to 17 total to ming_t or 1_verifole opeca_rtpn_total |              | <u></u>                    |        |
|---|--------------|----------------------------|--------|
| Name  | Actual Value | Expected Value             | Result |
| EOTActuatorMng_Damping_MtrNm_M_f32  | 18.1000004   | 18.1000004 ± 0.0000390625  | ~      |
| EOTActuatorMng_EOTImpactPos_HwDeg_M_f32   | 300.040009   | 300.040009 ± 0.0000390625  | ~      |
| EOTActuatorMng_FiltEOTGainSV_HwNm_M_u1p31   | 750758232    | 750758232 ± 1              | ~      |
| EOTActuatorMng_FiltHWTrqSV_HwNm_M_s7p24   | -149678374   | -149678374 ± 1             | ~      |
| EOTActuatorMng_OutputRampMultLtd_M_f32  | 0.856999993  | 0.856999993 ± 0.00390625   | ~      |
| EOTActuatorMng_PrevEOTGain_Uls_M_f32  | 0.349578857  | 0.349578857 ± 0.0625       | ~      |
| EOTActuatorMng_SESState_Uls_M_enum  | SES_DISABLED | SES_DISABLED               | ~      |
| target_EOTActuatorMng_Per1_AssistEOTDamping_MtrNm_f32.value   | 8.80000019   | 8.80000019 ± 0.00048828125 | ~      |
| target_EOTActuatorMng_Per1_AssistEOTGain_Uls_f32.value  | 0.349578857  | 0.349578857 ± 0.0000390625 | ~      |
| target_EOTActuatorMng_Per1_AssistEOTLimit_MtrNm_f32.value   | 8.80000019   | 8.80000019 ± 0.00048828125 | ~      |

| T  |       |  |       | V        |
|--|-------|--|-------|----------|
| Actual Function                                    | Count | Expected Function                                  | Count | Result   |
| Rte_Call_EOTActuatorMng_Per1_CP0_CheckpointReached | 1     | Rte_Call_EOTActuatorMng_Per1_CP0_CheckpointReached | 1     | ~        |
| EOTDetermination                                   | 1     | EOTDetermination                                   | 1     | •        |
| SES_DetLmtPos                                      | 1     | SES_DetLmtPos                                      | 1     | ~        |
| SES_CalcExitGain                                   | 1     | SES_CalcExitGain                                   | 1     | •        |
| IntplVarXY_u16_u16Xu16Y_Cnt                        | 1     | IntplVarXY_u16_u16Xu16Y_Cnt                        | 1     | ~        |
| SES_CalcEnterGain                                  | 1     | SES_CalcEnterGain                                  | 1     | •        |
| BilinearXMYM_u16_u16XMu16YM_Cnt                    | 1     | BilinearXMYM_u16_u16XMu16YM_Cnt                    | 1     | •        |
| SES_CalcEOTGain                                    | 1     | SES_CalcEOTGain                                    | 1     | •        |
| SES_FiltEOTGain                                    | 1     | SES_FiltEOTGain                                    | 1     | ~        |
| SES_CalcEOTDamp                                    | 1     | SES_CalcEOTDamp                                    | 1     | <b>✓</b> |
| BilinearXMYM_u16_u16XMu16YM_Cnt                    | 1     | BilinearXMYM_u16_u16XMu16YM_Cnt                    | 1     | ~        |
| SES_StateCtrl                                      | 1     | SES_StateCtrl                                      | 1     | ~        |
| Rte_Call_EOTActuatorMng_Per1_CP1_CheckpointReached | 1     | Rte_Call_EOTActuatorMng_Per1_CP1_CheckpointReached | 1     | ~        |

| Test Step 2.54 (Repeat Count = 1)         |                                   | ✓ |
|---|-----------------------------------|---|
| Name                                      | Input Value                       |   |
| EOTActuatorMng_Damping_MtrNm_M_f32        | 0                                 |   |
| EOTActuatorMng_EOTImpactPos_HwDeg_M_f32   | 567.25                            |   |
| EOTActuatorMng_FiltEOTGainSV_HwNm_M_u1p31 | 579820585                         |   |
| EOTActuatorMng_FiltHWTrqSV_HwNm_M_s7p24   | 130358968                         |   |
| EOTActuatorMng_PrevEOTGain_Uls_M_f32      | 0.430000007                       |   |
| EOTActuatorMng_SESState_Uls_M_enum        | SES_NORMAL                        |   |
| Rte_Inst_Ap_EOTActuatorMng                | target_Rte_Inst_Ap_EOTActuatorMng |   |
| k_EOTActiveRegionBypassMaxThresh_Uls_f32  | 0.86500001                        |   |
| k_EOTDefltPosition_HwDeg_u12p4            | 6400                              |   |
| k_EOTDeltaTrqThrsh_HwNm_u9p7              | 896                               |   |
| k_EOTDynConf_Uls_u8p8                     | 7680                              |   |
| k_EOTEnterLPFKn_Cnt_u16                   | 854                               |   |

EOTActuatorMng\_Per1

2015-06-29, 18:31:27+0530



| EOTACIDATORMING_PELL                         |             |  |
|--|-------------|--|
| Name   | Input Value |  |
| _EOTExitLPFKn_Cnt_u16                        | 333         |  |
| _EOTImpSpdEn_Kph_u9p7                        | 5632        |  |
| _EOTOriginalImpactandSoftEnd_Cnt_lgc         | 1           |  |
| _EOTPosDepDempFinalSlew_MtrNmpS_T_f32        | 190.440002  |  |
| _EOTStateHwTrqLPFKn_Cnt_u16                  | 9999        |  |
| _MaxRackTrvl_HwDeg_u12p4                     | 5328        |  |
| _MinRackTrvl_HwDeg_u12p4                     | 20400       |  |
| _PosRampStep_HwDeg_u12p4                     | 5696        |  |
| SoftStopEOTEnable_Cnt_lgc                    | 0           |  |
| SpdlptScale_MtrNmpRadpS_u4p12                | 81          |  |
| 2_EOTEnterGainX_HwDeg_u12p4[0][0]            | 800         |  |
| P_EOTEnterGainX_HwDeg_u12p4[0][1]            | 960         |  |
| P_EOTEnterGainX_HwDeg_u12p4[0][2]            | 1120        |  |
|  | 1280        |  |
| 2_EOTEnterGainX_HwDeg_u12p4[1][0]            | 512         |  |
| EOTEnterGainX_HwDeg_u12p4[1][1]              | 1520        |  |
| _EOTEnterGainX_HwDeg_u12p4[1][2]             | 1536        |  |
| P_EOTEnterGainX_HwDeg_u12p4[1][3]            | 1552        |  |
| P_EOTEnterGainX_HwDeg_u12p4[2][0]            | 1152        |  |
| :_EOTEnterGainX_nwbeg_u12p4[2][0]            | 3440        |  |
|  |             |  |
| EOTEnterGainX_HwDeg_u12p4[2][2]              | 3456        |  |
| _EOTEnterGainX_HwDeg_u12p4[2][3]             | 3472        |  |
| _EOTEnterGainX_HwDeg_u12p4[3][0]             | 1792        |  |
| P_EOTEnterGainX_HwDeg_u12p4[3][1]            | 5360        |  |
| P_EOTEnterGainX_HwDeg_u12p4[3][2]            | 5376        |  |
| P_EOTEnterGainX_HwDeg_u12p4[3][3]            | 5392        |  |
| P_EOTEnterGainY_Uls_u1p15[0][0]              | 5           |  |
| P_EOTEnterGainY_Uls_u1p15[0][1]              | 5           |  |
| 2_EOTEnterGainY_Uls_u1p15[0][2]              | 20          |  |
| P_EOTEnterGainY_Uls_u1p15[0][3]              | 193         |  |
| P_EOTEnterGainY_Uls_u1p15[1][0]              | 6           |  |
| 2_EOTEnterGainY_Uls_u1p15[1][1]              | 6           |  |
| P_EOTEnterGainY_Uls_u1p15[1][2]              | 49          |  |
| 2_EOTEnterGainY_Uls_u1p15[1][3]              | 478         |  |
| 2_EOTEnterGainY_Uls_u1p15[2][0]              | 383         |  |
| 2_EOTEnterGainY_Uls_u1p15[2][1]              | 39          |  |
| 2_EOTEnterGainY_Uls_u1p15[2][2]              | 5           |  |
| 2_EOTEnterGainY_Uls_u1p15[2][3]              | 6           |  |
| 2_EOTEnterGainY_Uls_u1p15[3][0]              | 954         |  |
| 2_EOTEnterGainY_Uls_u1p15[3][1]              | 98          |  |
| 2_EOTEnterGainY_Uls_u1p15[3][2]              | 7           |  |
| 2 EOTEnterGainY Uls u1p15[3][3]              | 8           |  |
| P_EOTExPosDepDmpTblY_MtrNmpRadps_u0p16[0][0] | 32          |  |
| 2_EOTExPosDepDmpTblY_MtrNmpRadps_u0p16[0][1] | 44          |  |
| P_EOTExPosDepDmpTblY_MtrNmpRadps_u0p16[1][0] | 16          |  |
| P_EOTExPosDepDmpTblY_MtrNmpRadps_u0p16[1][1] | 22          |  |
| P EOTEXPosDepDmpTblY MtrNmpRadps_u0p16[2][0] | 4           |  |
| _  | 26          |  |
| P_EOTExPosDepDmpTblY_MtrNmpRadps_u0p16[2][1] | 62          |  |
| P_EOTExPosDepDmpTblY_MtrNmpRadps_u0p16[3][0] | 87          |  |
| P_EOTEsPosDepDmpTblY_MtrNmpRadps_u0p16[3][1] |             |  |
| P_EOTPosDepDmpTblX_HwDeg_u12p4[0][0]         | 512         |  |
| P_EOTPosDepDmpTblX_HwDeg_u12p4[0][1]         | 1152        |  |
| _EOTPosDepDmpTblX_HwDeg_u12p4[1][0]          | 672         |  |
| E_EOTPosDepDmpTblX_HwDeg_u12p4[1][1]         | 1056        |  |
| P_EOTPosDepDmpTbIX_HwDeg_u12p4[2][0]         | 704         |  |
| P_EOTPosDepDmpTblX_HwDeg_u12p4[2][1]         | 4048        |  |
| 2_EOTPosDepDmpTbIX_HwDeg_u12p4[3][0]         | 432         |  |
| _EOTPosDepDmpTblX_HwDeg_u12p4[3][1]          | 576         |  |
| _EOTPosDepDmpTblY_MtrNmpRadpS_u0p16[0][0]    | 44          |  |
| _EOTPosDepDmpTblY_MtrNmpRadpS_u0p16[0][1]    | 315         |  |
| _EOTPosDepDmpTblY_MtrNmpRadpS_u0p16[1][0]    | 88          |  |
| _EOTPosDepDmpTblY_MtrNmpRadpS_u0p16[1][1]    | 12          |  |
| _EOTPosDepDmpTblY_MtrNmpRadpS_u0p16[2][0]    | 92          |  |
| _EOTPosDepDmpTblY_MtrNmpRadpS_u0p16[2][1]    | 130         |  |
| _EOTPosDepDmpTblY_MtrNmpRadpS_u0p16[3][0]    | 99          |  |
| P_EOTPosDepDmpTblY_MtrNmpRadpS_u0p16[3][1]   | 698         |  |
| EOTDmpVspd_Kph_u9p7[0]                       | 4096        |  |
| EOTDmpVspd_Kph_u9p7[1]                       | 12160       |  |
| EOTDmpVspd_Kph_u9p7[2]                       | 12288       |  |
| EOTDmpVspd_Kph_u9p7[3]                       | 12416       |  |
| EOTEnterGainVspd_Kph_u9p7[0]                 | 4096        |  |
| EOTEnterGainVspd_Kph_u9p7[1]                 | 12160       |  |
|  | 12100       |  |

2015-06-29, 18:31:27+0530



| Name   | Input Value  |                               |        |
|--|--|-------------------------------|--------|
| t_EOTEnterGainVspd_Kph_u9p7[3]   | 12416  |                               |        |
| t_SpdlptTblXTbl_HwDeg_u12p4[0]   | 32   |                               |        |
| t_SpdlptTblXTbl_HwDeg_u12p4[1]   | 256  |                               |        |
| t_SpdlptTblYTbl_MtrRadpS_u12p4[0]  | 432  |                               |        |
| t_SpdlptTblYTbl_MtrRadpS_u12p4[1]  | 576  |                               |        |
| t_TrqTableX_HwNm_u8p8[0]   | 512  |                               |        |
| t_TrqTableX_HwNm_u8p8[1]   | 1792   |                               |        |
| t_TrqTblY_Uls_u2p14[0]   | 49   |                               |        |
| t_TrqTblY_Uls_u2p14[1]   | 492  |                               |        |
| target_EOTActuatorMng_Per1_CcwEOT_HwDeg_f32.value  | -775.780029  |                               |        |
| target_EOTActuatorMng_Per1_CcwFound_Cnt_lgc.value  | 1  |                               |        |
| target_EOTActuatorMng_Per1_CwEOT_HwDeg_f32.value   | 850.21698  |                               |        |
| target_EOTActuatorMng_Per1_CwFound_Cnt_lgc.value   | 1  |                               |        |
| target_EOTActuatorMng_Per1_EOTDisable_Cnt_lgc.value  | 0  |                               |        |
| target_EOTActuatorMng_Per1_HandWheelAuth_Uls_f32.value   | 0.81999993   |                               |        |
| target_EOTActuatorMng_Per1_HandWheelPos_HwDeg_f32.value  | 700.049988   |                               |        |
| target_EOTActuatorMng_Per1_HwTorque_HwNm_f32.value   | 0  |                               |        |
| target_EOTActuatorMng_Per1_MotorVel_MtrRadpS_f32.value   | 0.30000012   |                               |        |
| target_EOTActuatorMng_Per1_OutputRampMultLtd_Uls_f32.value   | 0.0829999968   |                               |        |
| target_EOTActuatorMng_Per1_VehicleSpeed_Kph_f32.value  | 11.0299997   |                               |        |
| $target\_Rte\_Inst\_Ap\_EOTActuatorMng.EOTActuatorMng\_Per1\_AssistEOTDamping\_Per1\_AssisTEOTDamping\_Per1\_AssisTEOTD$   | target_EOTActuatorMng_Per1_AssistEOTDa                       | mping_MtrNm_f32               |        |
| $target\_Rte\_Inst\_Ap\_EOTActuatorMng.EOTActuatorMng\_Per1\_AssistEOTGain\_Uls\_AssisTEOTGain\_Uls\_AssisTEOTGAIN\_Uls\_AssisTEOTG$ | target_EOTActuatorMng_Per1_AssistEOTGa                       | in_Uls_f32                    |        |
| $target\_Rte\_Inst\_Ap\_EOTActuatorMng.EOTActuatorMng\_Per1\_AssistEOTLimit\_MtrInstructions and the property of the$  | target_EOTActuatorMng_Per1_AssistEOTLin                      | nit_MtrNm_f32                 |        |
| target_Rte_Inst_Ap_EOTActuatorMng.EOTActuatorMng_Per1_CcwEOT_HwDeg_f3  | target_EOTActuatorMng_Per1_CcwEOT_Hw                         | Deg_f32                       |        |
| $target\_Rte\_Inst\_Ap\_EOTActuatorMng.EOTActuatorMng\_Per1\_CcwFound\_Cnt\_lgc$   | target_EOTActuatorMng_Per1_CcwFound_C                        | :nt_lgc                       |        |
| target_Rte_Inst_Ap_EOTActuatorMng.EOTActuatorMng_Per1_CwEOT_HwDeg_f32  | target_EOTActuatorMng_Per1_CwEOT_HwD                         | Deg_f32                       |        |
| target_Rte_Inst_Ap_EOTActuatorMng.EOTActuatorMng_Per1_CwFound_Cnt_lgc  | target_EOTActuatorMng_Per1_CwFound_Cr                        | nt_lgc                        |        |
| $target\_Rte\_Inst\_Ap\_EOTActuatorMng.EOTActuatorMng\_Per1\_EOTDisable\_Cnt\_Ignormal content and the property of th$   | target_EOTActuatorMng_Per1_EOTDisable_                       | Cnt_lgc                       |        |
| $target\_Rte\_Inst\_Ap\_EOTActuatorMng.EOTActuatorMng\_Per1\_HandWheelAuth\_Ulstarget\_Rte\_Inst\_Ap\_EOTActuatorMng.EOTActuatorMng\_Per1\_HandWheelAuth\_Ulstarget\_Rte\_Inst\_Ap\_EOTActuatorMng.EOTActuatorMng\_Per1\_HandWheelAuth\_Ulstarget\_Rte\_Inst\_Ap\_EOTActuatorMng.EOTActuatorMng\_Per1\_HandWheelAuth\_Ulstarget\_Rte\_Inst\_Ap\_EOTActuatorMng.EOTActuatorMng\_Per1\_HandWheelAuth\_Ulstarget\_Rte\_Inst\_Ap\_EOTActuatorMng.EOTAc$  | target_EOTActuatorMng_Per1_HandWheelA                        | uth_Uls_f32                   |        |
| $target\_Rte\_Inst\_Ap\_EOTActuatorMng.EOTActuatorMng\_Per1\_HandWheelPos\_Hwarderseterseterseterseterseterseterseters$  | s_Hwl target_EOTActuatorMng_Per1_HandWheelPos_HwDeg_f32      |                               |        |
| $target\_Rte\_Inst\_Ap\_EOTActuatorMng.EOTActuatorMng\_Per1\_HwTorque\_HwNm\_f$  | wNm_f target_EOTActuatorMng_Per1_HwTorque_HwNm_f32           |                               |        |
| $target\_Rte\_Inst\_Ap\_EOTActuatorMng.EOTActuatorMng\_Per1\_MotorVel\_MtrRadpStarter(MotorVelMtrRadpStarter(MotorVelMtrRadpStarter(MotorVelMtrRadpStarter(MotorVelMtrRadpStarter(MotorVelMtrRadpStarter(MotorVelMtrRadpStarter(MotorVelMtrRadpStarter(MotorVelMtrRadpStarter(MotorVelMtrRadpStarter(MotorVelMtrRadpStarter(MotorVelMtrRadpStarter(MtrRadpStarter(MtrRadpStarter(MtrRadpStarter(MtrRadpStarter(MtrRadpStarter(MtrRadpStarter(MtrRadpStarter(MtrRadpStarter(MtrRadpStarter(MtrRadpStarter(MtrRadpStarter(MtrRadpStarter(MtrRadpStarter(MtrRadpStarter(MtrRadpStarter(MtrRadpStarter(MtrRadpSt$   | target_EOTActuatorMng_Per1_MotorVel_Mtr                      | RadpS_f32                     |        |
| $target\_Rte\_Inst\_Ap\_EOTActuatorMng.EOTActuatorMng\_Per1\_OutputRampMultLtd\_Inst\_Ap\_EOTActuatorMng\_Per1\_OutputRampMultLtd\_Inst\_Ap\_EOTActuatorMng\_Per1\_OutputRampMultLtd\_Inst\_Ap\_EOTActuatorMng\_Per1\_OutputRampMultLtd\_Inst\_Ap\_EOTActuatorMng\_Per1\_OutputRampMultLtd\_InstAp\_EOTActuatorMng\_Per1\_Output$   | fultLtd_target_EOTActuatorMng_Per1_OutputRampMultLtd_Uls_f32 |                               |        |
| target Rte Inst Ap EOTActuatorMng.EOTActuatorMng Per1 VehicleSpeed Kph   | target_EOTActuatorMng_Per1_VehicleSpeed                      | I_Kph_f32                     |        |
| Name   | Actual Value   | Expected Value                | Result |
| EOTActuatorMng_Damping_MtrNm_M_f32   | 0.000201416027   | 0.000201415998 ± 0.0000390625 | ~      |

| Name  | Actual Value   | Expected Value                 | Result   |
|---|----------------|--------------------------------|----------|
| EOTActuatorMng_Damping_MtrNm_M_f32                          | 0.000201416027 | 0.000201415998 ± 0.0000390625  | ~        |
| EOTActuatorMng_EOTImpactPos_HwDeg_M_f32                     | 400            | 400 ± 0.0000390625             | <b>✓</b> |
| EOTActuatorMng_FiltEOTGainSV_HwNm_M_u1p31                   | 572430069      | 572430069 ± 1                  | ~        |
| EOTActuatorMng_FiltHWTrqSV_HwNm_M_s7p24                     | 110470957      | 110470957 ± 1                  | •        |
| EOTActuatorMng_OutputRampMultLtd_M_f32                      | 0.0829999968   | 0.0829999968 ± 0.00390625      | ~        |
| EOTActuatorMng_PrevEOTGain_Uls_M_f32                        | 0.266540527    | 0.266540527 ± 0.0625           | <b>✓</b> |
| EOTActuatorMng_SESState_Uls_M_enum                          | SES_DISABLED   | SES_DISABLED                   | •        |
| target_EOTActuatorMng_Per1_AssistEOTDamping_MtrNm_f32.value | 0.000201416027 | 0.000201415998 ± 0.00048828125 | <b>✓</b> |
| target_EOTActuatorMng_Per1_AssistEOTGain_Uls_f32.value      | 0.266540527    | 0.266540527 ± 0.0000390625     | ~        |
| target_EOTActuatorMng_Per1_AssistEOTLimit_MtrNm_f32.value   | 0.528002918    | 0.528002918 ± 0.00048828125    | ~        |

| Τ  |       |  |       | <b>✓</b> |
|--|-------|--|-------|----------|
| Actual Function                                    | Count | Expected Function                                  | Count | Result   |
| Rte_Call_EOTActuatorMng_Per1_CP0_CheckpointReached | 1     | Rte_Call_EOTActuatorMng_Per1_CP0_CheckpointReached | 1     | ~        |
| EOTDetermination                                   | 1     | EOTDetermination                                   | 1     | <b>~</b> |
| EOTOrigImpact                                      | 1     | EOTOrigImpact                                      | 1     | ~        |
| IntplVarXY_u16_u16Xu16Y_Cnt                        | 1     | IntplVarXY_u16_u16Xu16Y_Cnt                        | 1     | <b>~</b> |
| SES_DetLmtPos                                      | 1     | SES_DetLmtPos                                      | 1     | ~        |
| SES_CalcExitGain                                   | 1     | SES_CalcExitGain                                   | 1     | <b>✓</b> |
| IntplVarXY_u16_u16Xu16Y_Cnt                        | 1     | IntplVarXY_u16_u16Xu16Y_Cnt                        | 1     | ~        |
| SES_CalcEnterGain                                  | 1     | SES_CalcEnterGain                                  | 1     | <b>~</b> |
| BilinearXMYM_u16_u16XMu16YM_Cnt                    | 1     | BilinearXMYM_u16_u16XMu16YM_Cnt                    | 1     | <b>~</b> |
| SES_CalcEOTGain                                    | 1     | SES_CalcEOTGain                                    | 1     | <b>~</b> |
| SES_FiltEOTGain                                    | 1     | SES_FiltEOTGain                                    | 1     | <b>~</b> |
| SES_CalcEOTDamp                                    | 1     | SES_CalcEOTDamp                                    | 1     | <b>✓</b> |
| BilinearXMYM_u16_u16XMu16YM_Cnt                    | 1     | BilinearXMYM_u16_u16XMu16YM_Cnt                    | 1     | ~        |
| SES_StateCtrl                                      | 1     | SES_StateCtrl                                      | 1     | ~        |
| Rte Call FOTActuatorMng Per1 CP1 CheckpointReached | 1     | Rte Call FOTActuatorMng Per1 CP1 CheckpointReached | 1     | -        |

| Test Step 2.55 (Repeat Count = 1)         |             | ✓ |
|---|-------------|---|
| Name                                      | Input Value |   |
| EOTActuatorMng_Damping_MtrNm_M_f32        | -2.79999995 |   |
| EOTActuatorMng_EOTImpactPos_HwDeg_M_f32   | 456.540009  |   |
| EOTActuatorMng_FiltEOTGainSV_HwNm_M_u1p31 | 365072220   |   |
| EOTActuatorMng_FiltHWTrqSV_HwNm_M_s7p24   | -111736259  |   |

EOTActuatorMng\_Per1

2015-06-29, 18:31:27+0530



| EOTActuatoriving_PerT  |                                   | al Cita |
|--|-----------------------------------|---------|
| Name   | Input Value                       |         |
| EOTActuatorMng_PrevEOTGain_Uls_M_f32                             | 0.319999993                       |         |
| EOTActuatorMng_SESState_Uls_M_enum                               | SES_ENTERING                      |         |
| Rte_Inst_Ap_EOTActuatorMng                                       | target_Rte_Inst_Ap_EOTActuatorMng |         |
| c_EOTActiveRegionBypassMaxThresh_Uls_f32                         | 0.0430000015                      |         |
| C_EOTDefltPosition_HwDeg_u12p4                                   | 8000                              |         |
| C_EOTDeltaTrqThrsh_HwNm_u9p7                                     | 768                               |         |
| c_EOTDynConf_Uls_u8p8  | 10240                             |         |
| _EOTEnterLPFKn_Cnt_u16   | 799                               |         |
| C_EOTExitLPFKn_Cnt_u16   | 444                               |         |
| c_EOTImpSpdEn_Kph_u9p7   | 5760                              |         |
| _EOTOriginalImpactandSoftEnd_Cnt_lgc                             | 0                                 |         |
| EOTPosDepDempFinalSlew_MtrNmpS_T_f32                             | 290.440002                        |         |
| · · · · · · _ · · · _ ·    | 8888                              |         |
| <br>_MaxRackTrvl_HwDeg_u12p4                                     | 7104                              |         |
| MinRackTrvl_HwDeg_u12p4  | 15616                             |         |
| _PosRampStep_HwDeg_u12p4   | 10816                             |         |
| _SoftStopEOTEnable_Cnt_lgc                                       | 1                                 |         |
| _SpdlptScale_MtrNmpRadpS_u4p12                                   | 81                                |         |
| 2 EOTEnterGainX HwDeg u12p4[0][0]                                | 1440                              |         |
|  | 1600                              |         |
| 2_EOTEnterGainX_HwDeg_u12p4[0][1]                                |                                   |         |
| 2_EOTEnterGainX_HwDeg_u12p4[0][2]                                | 1760                              |         |
| 2_EOTEnterGainX_HwDeg_u12p4[0][3]                                | 1920                              |         |
| P_EOTEnterGainX_HwDeg_u12p4[1][0]                                | 528                               |         |
| 2_EOTEnterGainX_HwDeg_u12p4[1][1]                                | 1568                              |         |
| 2_EOTEnterGainX_HwDeg_u12p4[1][2]                                | 1584                              |         |
| 2_EOTEnterGainX_HwDeg_u12p4[1][3]                                | 1600                              |         |
| 2_EOTEnterGainX_HwDeg_u12p4[2][0]                                | 1168                              |         |
| 2_EOTEnterGainX_HwDeg_u12p4[2][1]                                | 3488                              |         |
| 2_EOTEnterGainX_HwDeg_u12p4[2][2]                                | 3504                              |         |
| 2_EOTEnterGainX_HwDeg_u12p4[2][3]                                | 3520                              |         |
| 2_EOTEnterGainX_HwDeg_u12p4[3][0]                                | 1808                              |         |
| 2_EOTEnterGainX_HwDeg_u12p4[3][1]                                | 5408                              |         |
| 2_EOTEnterGainX_HwDeg_u12p4[3][2]                                | 5424                              |         |
| 2_EOTEnterGainX_HwDeg_u12p4[3][3]                                | 5440                              |         |
| 2_EOTEnterGainY_Uls_u1p15[0][0]                                  | 5                                 |         |
| 2_EOTEnterGainY_Uls_u1p15[0][1]                                  | 6                                 |         |
| 2_EOTEnterGainY_Uls_u1p15[0][2]                                  | 29                                |         |
| 2_EOTEnterGainY_Uls_u1p15[0][3]                                  | 288                               |         |
| 2_EOTEnterGainY_Uls_u1p15[1][0]                                  | 6                                 |         |
| 2_EOTEnterGainY_Uls_u1p15[1][1]                                  | 7                                 |         |
| 2_EOTEnterGainY_Uls_u1p15[1][2]                                  | 59                                |         |
| 2_EOTEnterGainY_Uls_u1p15[1][3]                                  | 573                               |         |
| 2_EOTEnterGainY_Uls_u1p15[2][0]                                  | 478                               |         |
| 2_EOTEnterGainY_Uls_u1p15[2][1]                                  | 49                                |         |
| 2_EOTEnterGainY_Uls_u1p15[2][2]                                  | 6                                 |         |
| COTENICIONITY_UIS_u1p15[2][2]<br>2_EOTEnterGainY_UIS_u1p15[2][3] | 6                                 |         |
|  |                                   |         |
| 2_EOTEnterGainY_Uls_u1p15[3][0]                                  | 1049<br>108                       |         |
| 2_EOTEnterGainY_Uls_u1p15[3][1]                                  |                                   |         |
| 2_EOTEnterGainY_Uls_u1p15[3][2]                                  | 8                                 |         |
| 2_EOTEnterGainY_Uls_u1p15[3][3]                                  | 8                                 |         |
| 2_EOTExPosDepDmpTblY_MtrNmpRadps_u0p16[0][0]                     | 76                                |         |
| 2_EOTExPosDepDmpTblY_MtrNmpRadps_u0p16[0][1]                     | 108                               |         |
| P_EOTExPosDepDmpTblY_MtrNmpRadps_u0p16[1][0]                     | 122                               |         |
| 2_EOTExPosDepDmpTblY_MtrNmpRadps_u0p16[1][1]                     | 173                               |         |
| 2_EOTExPosDepDmpTblY_MtrNmpRadps_u0p16[2][0]                     | 122                               |         |
| 2_EOTExPosDepDmpTblY_MtrNmpRadps_u0p16[2][1]                     | 173                               |         |
| 2_EOTExPosDepDmpTblY_MtrNmpRadps_u0p16[3][0]                     | 77                                |         |
| 2_EOTExPosDepDmpTblY_MtrNmpRadps_u0p16[3][1]                     | 108                               |         |
| P_EOTPosDepDmpTbIX_HwDeg_u12p4[0][0]                             | 544                               |         |
| 2_EOTPosDepDmpTbIX_HwDeg_u12p4[0][1]                             | 1168                              |         |
| P_EOTPosDepDmpTbIX_HwDeg_u12p4[1][0]                             | 688                               |         |
| P_EOTPosDepDmpTblX_HwDeg_u12p4[1][1]                             | 1072                              |         |
| P_EOTPosDepDmpTblX_HwDeg_u12p4[2][0]                             | 784                               |         |
| P_EOTPosDepDmpTblX_HwDeg_u12p4[2][1]                             | 4064                              |         |
| 2_EOTPosDepDmpTblX_HwDeg_u12p4[3][0]                             | 448                               |         |
| 2_EOTPosDepDmpTblX_HwDeg_u12p4[3][1]                             | 592                               |         |
| 2_EOTPosDepDmpTblY_MtrNmpRadpS_u0p16[0][0]                       | 1                                 |         |
| 2_EOTP osDepDmpTblY_MtrNmpRadpS_u0p16[0][0]                      | 109                               |         |
|  | 259                               |         |
| 2_EOTPosDepDmpTblY_MtrNmpRadpS_u0p16[1][0]                       |                                   |         |
| 2_EOTPosDepDmpTblY_MtrNmpRadpS_u0p16[1][1]                       | 183                               |         |
| 2_EOTPosDepDmpTblY_MtrNmpRadpS_u0p16[2][0]                       | 102                               |         |
| 2_EOTPosDepDmpTblY_MtrNmpRadpS_u0p16[2][1]                       | 452                               |         |
| 2_EOTPosDepDmpTblY_MtrNmpRadpS_u0p16[3][0]                       | 4                                 |         |

2015-06-29, 18:31:27+0530



EOTActuatorMng\_Per1

| EOTActuatorMng_Per1  |  | ( OZ   | Cital |
|--|--|--|-------|
| Name   | Input Value                                    |  |       |
| t2_EOTPosDepDmpTblY_MtrNmpRadpS_u0p16[3][1]  | 713  |  |       |
| t_EOTDmpVspd_Kph_u9p7[0]   | 4224   |  |       |
| t_EOTDmpVspd_Kph_u9p7[1]   | 12544  |  |       |
| t_EOTDmpVspd_Kph_u9p7[2]   | 12672  |  |       |
| t_EOTDmpVspd_Kph_u9p7[3]   | 12800  |  |       |
| t_EOTEnterGainVspd_Kph_u9p7[0]   | 4224   |  |       |
| t EOTEnterGainVspd Kph u9p7[1]   | 12544  |  |       |
| t_EOTEnterGainVspd_Kph_u9p7[2]   | 12672  |  |       |
| t_EOTEnterGainVspd_Kph_u9p7[3]   | 12800  |  |       |
| t_SpdlptTblXTbl_HwDeg_u12p4[0]   | 16   |  |       |
| t_SpdIptTbIXTbI_HwDeg_u12p4[1]   | 272  |  |       |
| t_SpdIptTbI_MtrRadpS_u12p4[0]  | 448  |  |       |
| t SpdlptTblYTbl MtrRadpS_u12p4[1]  | 592  |  |       |
| _ , , , _ , _ , _ , _ , _ , _ , _ ,  | 512  |  |       |
| t_TrqTableX_HwNm_u8p8[0]   | 1536   |  |       |
| t_TrqTableX_HwNm_u8p8[1]   |  |  |       |
| t_TrqTblY_Uls_u2p14[0]   | 66<br>655                                      |  |       |
| t_TrqTblY_Uls_u2p14[1]   |  |  |       |
| target_EOTActuatorMng_Per1_CcwEOT_HwDeg_f32.value  | -666.450012                                    |  |       |
| target_EOTActuatorMng_Per1_CcwFound_Cnt_lgc.value  | 0  |  |       |
| target_EOTActuatorMng_Per1_CwEOT_HwDeg_f32.value   | 777.539978                                     |  |       |
| target_EOTActuatorMng_Per1_CwFound_Cnt_lgc.value   | 0  |  |       |
| target_EOTActuatorMng_Per1_EOTDisable_Cnt_lgc.value  | 1  |  |       |
| target_EOTActuatorMng_Per1_HandWheelAuth_Uls_f32.value   | 0.449999988                                    |  |       |
| target_EOTActuatorMng_Per1_HandWheelPos_HwDeg_f32.value  | -600.039978                                    |  |       |
| target_EOTActuatorMng_Per1_HwTorque_HwNm_f32.value   | -5   |  |       |
| target_EOTActuatorMng_Per1_MotorVel_MtrRadpS_f32.value   | -0.40000006                                    |  |       |
| target_EOTActuatorMng_Per1_OutputRampMultLtd_Uls_f32.value   | 0.75   |  |       |
| target_EOTActuatorMng_Per1_VehicleSpeed_Kph_f32.value  |  | 15.04  |       |
| target_Rte_Inst_Ap_EOTActuatorMng.EOTActuatorMng_Per1_AssistEOT  | FDamping_target_EOTActuatorMng_Per1_AssistEO   | nping_ target_EOTActuatorMng_Per1_AssistEOTDamping_MtrNm_f32 |       |
| target_Rte_Inst_Ap_EOTActuatorMng.EOTActuatorMng_Per1_AssistEOT  | ΓGain_Uls_ target_EOTActuatorMng_Per1_AssistEO | TGain_Uls_f32  |       |
| target_Rte_Inst_Ap_EOTActuatorMng.EOTActuatorMng_Per1_AssistEOT  |  |  |       |
| target_Rte_Inst_Ap_EOTActuatorMng.EOTActuatorMng_Per1_CcwEOT_  | HwDeg_f3 target_EOTActuatorMng_Per1_CcwEOT     | _HwDeg_f32   |       |
| $target\_Rte\_Inst\_Ap\_EOTActuatorMng.EOTActuatorMng\_Per1\_CcwFounders and the state of the state o$   | d_Cnt_lgc   target_EOTActuatorMng_Per1_CcwFoun | d_Cnt_lgc  |       |
| target Rte Inst Ap EOTActuatorMng.EOTActuatorMng Per1 CwEOT H  | HwDeg f32 target_EOTActuatorMng_Per1_CwEOT_    | HwDeg_f32  |       |
| $target\_Rte\_Inst\_Ap\_EOTActuatorMng.EOTActuatorMng\_Per1\_CwFound\_Inst\_Ap\_EOTActuatorMng\_Inst\_Ap\_EOTActuatorMng\_Inst\_Ap\_EOTActuatorMng\_Inst\_Ap\_EOTActuatorMng\_Inst\_Ap\_EOTActuatorMng\_Inst\_Ap\_EOTActuatorMng\_Inst\_Ap\_EOTActuatorMng\_Inst\_Ap\_EOTActuatorMng\_Inst\_Ap\_EOTActuatorMng\_Inst\_Ap\_EOTActuatorMng\_Inst\_Ap\_EOTActuatorMng\_Inst\_Ap\_EOTActuatorMng\_Inst_Ap\_EOT$ | _Cnt_lgc target_EOTActuatorMng_Per1_CwFound    | l_Cnt_lgc  |       |
| $target\_Rte\_Inst\_Ap\_EOTActuatorMng.EOTActuatorMng\_Per1\_EOTD is also also also also also also also als$   | ole_Cnt_lgc target_EOTActuatorMng_Per1_EOTDisa | ble_Cnt_lgc  |       |
| $target\_Rte\_Inst\_Ap\_EOTActuatorMng.EOTActuatorMng\_Per1\_HandWheatarget\_Rte\_Inst\_Ap\_EOTActuatorMng\_Per1\_HandWheatarget\_Rte\_Inst\_Ap\_EOTActuatorMng\_Per1\_HandWheatarget\_Rte\_Inst\_Ap\_EOTActuatorMng\_Per1\_HandWheatarget\_Rte\_Inst\_Ap\_EOTActuatorMng\_Per1\_HandWheatarget\_Rte\_Inst\_Ap\_EOTActuatorMng\_Per1\_HandWheatarget\_Rte\_Inst\_Ap\_EOTActuatorMng\_Per1\_HandWheatarget\_Rte\_Inst\_Ap\_EOTActuatorMng\_Per1\_HandWheatarget\_Rte\_Inst\_Ap\_EOTActuatorMng\_Per1\_HandWheatarget\_Rte\_Inst\_Ap\_EOTActuatorMng\_Per1\_HandWheatarget\_Rte\_Inst\_Ap\_EOTActuatorMng\_Per1\_HandWheatarget\_Rte\_Inst\_Ap\_EOTActuatorMng\_Per1\_HandWheatarget\_Rte\_Inst\_Ap\_EOTActuatorMng\_Per1\_HandWheatarget\_Rte\_Inst\_Ap\_EOTActuatorMng\_Per1\_HandWheatarget\_Rte\_Inst\_Ap\_EOTActuatorMng\_Per1\_HandWheatarget\_Rte\_Inst_Ap\_EOTActuatorMng\_Per1\_HandWheatarget\_Rte\_Inst_Ap\_EOTActuatorMng\_Per1\_HandWheatarget\_Rte\_Inst_Ap\_EOTActuatorMng\_Rte\_Inst$    | elAuth_Uls target_EOTActuatorMng_Per1_HandWhe  | eelAuth_Uls_f32  |       |
| $target\_Rte\_Inst\_Ap\_EOTActuatorMng.EOTActuatorMng\_Per1\_HandWheatarget\_Rte\_Inst\_Ap\_EOTActuatorMng\_Per1\_HandWheatarget\_Rte\_Inst\_Ap\_EOTActuatorMng\_Per1\_HandWheatarget\_Rte\_Inst\_Ap\_EOTActuatorMng\_Per1\_HandWheatarget\_Rte\_Inst\_Ap\_EOTActuatorMng\_Per1\_HandWheatarget\_Rte\_Inst\_Ap\_EOTActuatorMng\_Per1\_HandWheatarget\_Rte\_Inst\_Ap\_EOTActuatorMng\_Per1\_HandWheatarget\_Rte\_Inst\_Ap\_EOTActuatorMng\_Per1\_HandWheatarget\_Rte\_Inst\_Ap\_EOTActuatorMng\_Per1\_HandWheatarget\_Rte\_Inst\_Ap\_EOTActuatorMng\_Per1\_HandWheatarget\_Rte\_Inst\_Ap\_EOTActuatorMng\_Per1\_HandWheatarget\_Rte\_Inst\_Ap\_EOTActuatorMng\_Per1\_HandWheatarget\_Rte\_Inst\_Ap\_EOTActuatorMng\_Per1\_HandWheatarget\_Rte\_Inst\_Ap\_EOTActuatorMng\_Per1\_HandWheatarget\_Rte\_Inst\_Ap\_EOTActuatorMng\_Per1\_HandWheatarget\_Rte\_Inst\_Ap\_EOTActuatorMng\_Rte\_Inst_Ap\_EOTActuaTorMng\_Rte\_Inst_Ap\_EOTActuaTorMng\_Rte\_Inst_Ap\_EOTActuaTorMng\_Rte\_Inst_Ap\_EOTActuaTorMng\_Rte\_Inst_Ap\_EOTActuaTorMng\_Rte\_Inst_Ap\_EOTActuaTorMng\_Rte\_Inst_Ap\_EOTActuaTorMng\_Rte\_Inst_Ap\_EOTActuaT$   | elPos_Hwl target_EOTActuatorMng_Per1_HandWhe   | eelPos_HwDeg_f32   |       |
| $target\_Rte\_Inst\_Ap\_EOTActuatorMng.EOTActuatorMng\_Per1\_HwTorque$   | e_HwNm_f target_EOTActuatorMng_Per1_HwTorqu    | e_HwNm_f32   |       |
| $target\_Rte\_Inst\_Ap\_EOTActuatorMng.EOTActuatorMng\_Per1\_MotorVel\_Inst\_Ap\_EOTActuatorMng\_Per1\_MotorVel\_Inst\_Ap\_EOTActuatorMng\_Per1\_MotorVel\_Inst\_Ap\_EOTActuatorMng\_Per1\_MotorVel\_Inst\_Ap\_EOTActuatorMng\_Per1\_MotorVel\_Inst\_Ap\_EOTActuatorMng\_Per1\_MotorVel\_Inst\_Ap\_EOTActuatorMng\_Per1\_MotorVel\_Inst\_Ap\_EOTActuatorMng\_Per1\_MotorVel\_Inst\_Ap\_EOTActuatorMng\_Per1\_MotorVel\_Inst\_Ap\_EOTActuatorMng\_Per1\_MotorVel\_Inst\_Ap\_EOTActuatorMng\_Per1\_MotorVel\_Inst\_Ap\_EOTActuatorMng\_Per1\_MotorVel\_Inst\_Ap\_EOTActuatorMng\_Per1\_MotorVel\_Inst\_Ap\_EOTActuatorMng\_Per1\_MotorVel\_Inst\_Ap\_EOTActuatorMng\_Per1\_MotorVel\_Inst\_Ap\_EOTActuatorMng\_Per1\_MotorVel\_Inst\_Ap\_EOTActuatorMng\_Per1\_MotorVel\_InstAp\_EOTActuatorMng$ | MtrRadpS target_EOTActuatorMng_Per1_MotorVel   | _MtrRadpS_f32  |       |
| $target\_Rte\_Inst\_Ap\_EOTActuatorMng.EOTActuatorMng\_Per1\_OutputRainstander (App_EOTActuatorMng) = (App_EOTActuatorM$   | mpMultLtd_ target_EOTActuatorMng_Per1_OutputRa | mpMultLtd_Uls_f32  |       |
| target Rte Inst Ap EOTActuatorMng.EOTActuatorMng Per1 VehicleSp  | eed Kph target_EOTActuatorMng_Per1_VehicleSp   | peed_Kph_f32   |       |
| Name   | Actual Value                                   | Expected Value   | Resu  |
| EOTActuatorMng_Damping_MtrNm_M_f32   | -2.21912003                                    | -2.21912003 ± 0.0000390625                                   |       |
| EOTActuatorMng EOTImpactPos HwDeg M f32  | 456.540009                                     | 456.540009 ± 0.0000390625                                    |       |
| EOTActuatorMng FiltEOTGainSV HwNm M u1p31  | 360851902                                      | 360851902 ± 1  |       |
| EOTActuatorMng FiltHWTrgSV HwNm M s7p24  | -85205579                                      | -85205579 ± 1  |       |
| EOTActuatorMng_OutputRampMultLtd_M_f32   | 0.75   | 0.75 ± 0.00390625  |       |
| EOTActuatorMng PrevEOTGain Uls M f32   | 0.168029785                                    | 0.168029785 ± 0.0625   |       |
| EOTActuatorMng_SESState_Uls_M_enum   | SES_DISABLED                                   | SES_DISABLED   |       |
| target EOTActuatorMng Per1 AssistEOTDamping MtrNm f32.value  | -2.21912003                                    | -2.21912003 ± 0.00048828125                                  |       |
| terget_COTActuaterMag_Der1_AssistEOTOcin_Ulle_f22_value  | 0.460030705                                    | 0.469020785 + 0.00040020725                                  |       |

| Τ  |       |  |       | <b>✓</b> |
|--|-------|--|-------|----------|
| Actual Function                                    | Count | Expected Function                                  | Count | Result   |
| Rte_Call_EOTActuatorMng_Per1_CP0_CheckpointReached | 1     | Rte_Call_EOTActuatorMng_Per1_CP0_CheckpointReached | 1     | ~        |
| EOTDetermination                                   | 1     | EOTDetermination                                   | 1     | ~        |
| SES_DetLmtPos                                      | 1     | SES_DetLmtPos                                      | 1     | ~        |
| SES_CalcExitGain                                   | 1     | SES_CalcExitGain                                   | 1     | •        |
| IntplVarXY_u16_u16Xu16Y_Cnt                        | 1     | IntplVarXY_u16_u16Xu16Y_Cnt                        | 1     | ~        |
| SES_CalcEnterGain                                  | 1     | SES_CalcEnterGain                                  | 1     | ~        |
| BilinearXMYM_u16_u16XMu16YM_Cnt                    | 1     | BilinearXMYM_u16_u16XMu16YM_Cnt                    | 1     | ~        |
| SES_CalcEOTGain                                    | 1     | SES_CalcEOTGain                                    | 1     | ~        |
| SES_FiltEOTGain                                    | 1     | SES_FiltEOTGain                                    | 1     | ~        |
| SES_CalcEOTDamp                                    | 1     | SES_CalcEOTDamp                                    | 1     | ~        |
| BilinearXMYM_u16_u16XMu16YM_Cnt                    | 1     | BilinearXMYM_u16_u16XMu16YM_Cnt                    | 1     | ~        |
| SES_StateCtrl                                      | 1     | SES_StateCtrl                                      | 1     | ~        |
| Rte_Call_EOTActuatorMng_Per1_CP1_CheckpointReached | 1     | Rte_Call_EOTActuatorMng_Per1_CP1_CheckpointReached | 1     | ~        |

0.168029785

8.80000019

target\_EOTActuatorMng\_Per1\_AssistEOTGain\_Uls\_f32.value

 $target\_EOTActuatorMng\_Per1\_AssistEOTLimit\_MtrNm\_f32.value$ 

0.168029785 ± 0.0000390625

8.80000019 ± 0.00048828125



| Test Step 2.56 (Repeat Count = 1)             | variable and the second se |
|---|--|
| Name  | Input Value  |
| EOTActuatorMng Damping MtrNm M f32            | 2.4000001  |
| EOTActuatorMng_EOTImpactPos_HwDeg_M_f32       | 345.653992   |
| EOTActuatorMng_FiltEOTGainSV_HwNm_M_u1p31     | 1997159793   |
| EOTActuatorMng_FiltHWTrqSV_HwNm_M_s7p24       | 93113549   |
| EOTActuatorMng_PrevEOTGain_Uls_M_f32          | 0.20999993   |
| EOTActuatorMng_SESState_Uls_M_enum            | SES_NORMAL   |
| Rte_Inst_Ap_EOTActuatorMng                    | target_Rte_Inst_Ap_EOTActuatorMng  |
| k_EOTActiveRegionBypassMaxThresh_Uls_f32      | 0.69599998   |
| k_EOTDefltPosition_HwDeg_u12p4                | 9600   |
| k_EOTDeltaTrqThrsh_HwNm_u9p7                  | 640  |
| k_EOTDynConf_Uls_u8p8                         | 12800  |
| k_EOTEnterLPFKn_Cnt_u16                       | 600  |
| k_EOTExitLPFKn_Cnt_u16                        | 555  |
| k_EOTImpSpdEn_Kph_u9p7                        | 5888   |
| k_EOTOriginalImpactandSoftEnd_Cnt_lgc         | 1  |
| k_EOTPosDepDempFinalSlew_MtrNmpS_T_f32        | 390.440002   |
| k_EOTStateHwTrqLPFKn_Cnt_u16                  | 7777   |
| k_MaxRackTrvl_HwDeg_u12p4                     | 8880   |
| k_MinRackTrvl_HwDeg_u12p4                     | 14336  |
| k_PosRampStep_HwDeg_u12p4                     | 4096   |
| k_SoftStopEOTEnable_Cnt_lgc                   | 0  |
| k_SpdlptScale_MtrNmpRadpS_u4p12               | 82   |
| t2_EOTEnterGainX_HwDeg_u12p4[0][0]            | 0  |
| t2_EOTEnterGainX_HwDeg_u12p4[0][1]            | 96   |
| t2_EOTEnterGainX_HwDeg_u12p4[0][2]            | 160  |
| t2_EOTEnterGainX_HwDeg_u12p4[0][3]            | 352  |
| t2_EOTEnterGainX_HwDeg_u12p4[1][0]            | 544  |
| t2_EOTEnterGainX_HwDeg_u12p4[1][1]            | 1616   |
| t2_EOTEnterGainX_HwDeg_u12p4[1][2]            | 1632   |
| t2_EOTEnterGainX_HwDeg_u12p4[1][3]            | 1648   |
| t2_EOTEnterGainX_HwDeg_u12p4[2][0]            | 1184   |
| t2_EOTEnterGainX_HwDeg_u12p4[2][1]            | 3536   |
| t2_EOTEnterGainX_HwDeg_u12p4[2][2]            | 3552   |
| t2_EOTEnterGainX_HwDeg_u12p4[2][3]            | 3568   |
| t2_EOTEnterGainX_HwDeg_u12p4[3][0]            | 1824   |
| t2_EOTEnterGainX_HwDeg_u12p4[3][1]            | 5456   |
| t2_EOTEnterGainX_HwDeg_u12p4[3][2]            | 5472   |
| t2_EOTEnterGainX_HwDeg_u12p4[3][3]            | 5488   |
| t2_EOTEnterGainY_Uls_u1p15[0][0]              | 5  |
| t2_EOTEnterGainY_Uls_u1p15[0][1]              | 6  |
| t2_EOTEnterGainY_Uls_u1p15[0][2]              | 39   |
| t2_EOTEnterGainY_Uls_u1p15[0][3]              | 383  |
| t2_EOTEnterGainY_Uls_u1p15[1][0]              | 6  |
| t2_EOTEnterGainY_Uls_u1p15[1][1]              | 7  |
| t2_EOTEnterGainY_Uls_u1p15[1][2]              | 69   |
| t2_EOTEnterGainY_Uls_u1p15[1][3]              | 668  |
| t2_EOTEnterGainY_Uls_u1p15[2][0]              | 573  |
| t2_EOTEnterGainY_Uls_u1p15[2][1]              | 59   |
| t2_EOTEnterGainY_Uls_u1p15[2][2]              | 6  |
| t2_EOTEnterGainY_Uls_u1p15[2][3]              | 7  |
| t2_EOTEnterGainY_Uls_u1p15[3][0]              | 1144   |
| t2_EOTEnterGainY_Uls_u1p15[3][1]              | 118  |
| t2_EOTEnterGainY_Uls_u1p15[3][2]              | 8  |
| t2_EOTEnterGainY_Uls_u1p15[3][3]              | 9  |
| t2_EOTExPosDepDmpTblY_MtrNmpRadps_u0p16[0][0] | 62   |
| t2_EOTExPosDepDmpTbIY_MtrNmpRadps_u0p16[0][1] | 87   |
| t2_EOTExPosDepDmpTbIY_MtrNmpRadps_u0p16[1][0] | 137  |
| t2_EOTExPosDepDmpTbIY_MtrNmpRadps_u0p16[1][1] | 194  |
| t2_EOTExPosDepDmpTblY_MtrNmpRadps_u0p16[2][0] | 137  |
| t2_EOTExPosDepDmpTblY_MtrNmpRadps_u0p16[2][1] | 194  |
| t2_EOTExPosDepDmpTblY_MtrNmpRadps_u0p16[3][0] | 92   |
| t2_EOTExPosDepDmpTblY_MtrNmpRadps_u0p16[3][1] | 130  |
| t2_EOTPosDepDmpTblX_HwDeg_u12p4[0][0]         | 576  |
| t2_EOTPosDepDmpTblX_HwDeg_u12p4[0][1]         | 1184   |
| t2_EOTPosDepDmpTblX_HwDeg_u12p4[1][0]         | 704  |
| t2_EOTPosDepDmpTblX_HwDeg_u12p4[1][1]         | 1088   |
| t2_EOTPosDepDmpTblX_HwDeg_u12p4[2][0]         | 768  |
| t2_EOTPosDepDmpTblX_HwDeg_u12p4[2][1]         | 4080   |
| t2_EOTPosDepDmpTblX_HwDeg_u12p4[3][0]         | 464  |
|   |  |
| t2_EOTPosDepDmpTblX_HwDeg_u12p4[3][1]         | 608  |

2015-06-29, 18:31:27+0530



| Name   | Input Value  |                             |          |
|--|--------------|-----------------------------|----------|
| t2_EOTPosDepDmpTblY_MtrNmpRadpS_u0p16[0][1]                            | 937          |                             |          |
| t2_EOTPosDepDmpTblY_MtrNmpRadpS_u0p16[1][0]                            | 280          |                             |          |
| t2_EOTPosDepDmpTbIY_MtrNmpRadpS_u0p16[1][1]                            | 198          |                             |          |
| t2_EOTPosDepDmpTbIY_MtrNmpRadpS_u0p16[2][0]                            | 122          |                             |          |
| t2_EOTPosDepDmpTblY_MtrNmpRadpS_u0p16[2][1]                            | 173          |                             |          |
| t2 EOTPosDepDmpTblY MtrNmpRadpS u0p16[3][0]                            | 103          |                             |          |
| t2_EOTPosDepDmpTbIY_MtrNmpRadpS_u0p16[3][1]                            | 728          |                             |          |
| t_EOTDmpVspd_Kph_u9p7[0]   | 4352         |                             |          |
| t_EOTDmpVspd_Kph_u9p7[1]   | 12928        |                             |          |
| t_EOTDmpVspd_Kph_u9p7[2]   | 13056        |                             |          |
| t_EOTDmpVspd_Kph_u9p7[3]   | 13184        |                             |          |
| t_EOTEnterGainVspd_Kph_u9p7[0]   | 4352         |                             |          |
| t_EOTEnterGainVspd_Kph_u9p7[1]   | 12928        |                             |          |
| t_EOTEnterGainVspd_Kph_u9p7[2]   | 13056        |                             |          |
| t_EOTEnterGainVspd_Kph_u9p7[3]   | 13184        |                             |          |
| t SpdlptTblXTbl HwDeg u12p4[0]   | 0            |                             |          |
| t_SpdlptTblXTbl_HwDeg_u12p4[1]   | 288          |                             |          |
| t_SpdIptTbIYTbl_MtrRadpS_u12p4[0]                                      | 464          |                             |          |
| t SpdlptTblYTbl MtrRadpS u12p4[1]                                      | 608          |                             |          |
| t_TrqTableX_HwNm_u8p8[0]   | 768          |                             |          |
| t_TrqTableX_HwNm_u8p8[1]   | 1280         |                             |          |
| t_TrqTblY_Uls_u2p14[0]   | 82           |                             |          |
| t_TrqTblY_Uls_u2p14[1]   | 819          |                             |          |
| target EOTActuatorMng Per1 CcwEOT HwDeg f32.value                      | -665.140015  |                             |          |
| target EOTActuatorMng Per1 CcwFound Cnt Igc.value                      | 1            |                             |          |
| target_EOTActuatorMng_Per1_CwEOT_HwDeg_f32.value                       | 750.14502    |                             |          |
| target EOTActuatorMng Per1 CwFound Cnt Igc.value                       | 1            |                             |          |
| target_EOTActuatorMng_Per1_EOTDisable_Cnt_lgc.value                    | 0            |                             |          |
| target_EOTActuatorMng_Per1_HandWheelAuth_Uls_f32.value                 | 0.829999983  |                             |          |
| target_EOTActuatorMng_Per1_HandWheelPos_HwDeg_f32.value                | 600.070007   |                             |          |
| target_EOTActuatorMng_Per1_HwTorque_HwNm_f32.value                     | 5            |                             |          |
| target_EOTActuatorMng_Per1_MotorVel_MtrRadpS_f32.value                 | 0.5          |                             |          |
| target_EOTActuatorMng_Per1_OutputRampMultLtd_Uls_f32.value             | 0.771000028  |                             |          |
| target_EOTActuatorMng_Per1_VehicleSpeed_Kph_f32.value                  | 16.0499992   |                             |          |
| target Rte Inst Ap EOTActuatorMng.EOTActuatorMng Per1 AssistEOTDampir  |              | Damping MtrNm f32           |          |
| target_Rte_Inst_Ap_EOTActuatorMng.EOTActuatorMng_Per1_AssistEOTGain_U  |              | –                           |          |
| target_Rte_Inst_Ap_EOTActuatorMng.EOTActuatorMng_Per1_AssistEOTLimit_N |              |                             |          |
| target_Rte_Inst_Ap_EOTActuatorMng.EOTActuatorMng_Per1_CcwEOT_HwDeg     |              |                             |          |
| target Rte Inst Ap EOTActuatorMng.EOTActuatorMng Per1 CcwFound Cnt Id  |              |                             |          |
| target Rte Inst Ap EOTActuatorMng.EOTActuatorMng Per1 CwEOT HwDeg      | 0 - 0        |                             |          |
| target_Rte_Inst_Ap_EOTActuatorMng.EOTActuatorMng_Per1_CwFound_Cnt_Igo  | , - ,        | <u></u>                     |          |
| target Rte Inst Ap EOTActuatorMng.EOTActuatorMng Per1 EOTDisable Cnt   | ,            | _*                          |          |
| target Rte Inst Ap EOTActuatorMng.EOTActuatorMng Per1 HandWheelAuth    |              |                             |          |
| target_Rte_Inst_Ap_EOTActuatorMng.EOTActuatorMng_Per1_HandWheelPos_H   | 32 2         |                             |          |
| target Rte Inst Ap EOTActuatorMng.EOTActuatorMng Per1 HwTorque HwNm    |              |                             |          |
| target_Rte_Inst_Ap_EOTActuatorMng.EOTActuatorMng_Per1_MotorVel_MtrRad  |              | _                           |          |
| target_Rte_Inst_Ap_EOTActuatorMng.EOTActuatorMng_Per1_OutputRampMultL  |              |                             |          |
| target_Rte_Inst_Ap_EOTActuatorMng.EOTActuatorMng_Per1_VehicleSpeed_Kp  |              |                             |          |
| Name   | Actual Value | Expected Value              | Result   |
|  |              | ·                           | Result   |
| EOTActuatorMag_Damping_MtrNm_M_f32                                     | 1.61912012   | 1.61912 ± 0.0000390625      |          |
| EOTActuatorMag_EOTImpactPos_HwDeg_M_f32                                | 600          | 600 ± 0.0000390625          | Ž        |
| EOTActuatorMng_FiltEOTGainSV_HwNm_M_u1p31                              | 1979105193   | 1979105193 ± 1              |          |
| EOTActuatorMng_FiltHWTrqSV_HwNm_M_s7p24                                | 92024769     | 92024769 ± 1                |          |
| EOTActuatorMng_OutputRampMultLtd_M_f32                                 | 0.771000028  | 0.771000028 ± 0.00390625    |          |
| EOTActuatorMng_PrevEOTGain_Uls_M_f32                                   | 0.921569824  | 0.921569824 ± 0.0625        | <b>V</b> |
| EOTActuatorMng_SESState_Uls_M_enum                                     | SES_DISABLED | SES_DISABLED                | <b>V</b> |
| target_EOTActuatorMng_Per1_AssistEOTDamping_MtrNm_f32.value            | 1.61912012   | 1.61912 ± 0.00048828125     | <b>V</b> |
| target_EOTActuatorMng_Per1_AssistEOTGain_Uls_f32.value                 | 0.921569824  | 0.921569824 ± 0.0000390625  | <b>✓</b> |
| target_EOTActuatorMng_Per1_AssistEOTLimit_MtrNm_f32.value              | 0.570556641  | 0.570556641 ± 0.00048828125 | <b>✓</b> |



| T  |       |  |       | V        |
|--|-------|--|-------|----------|
| Actual Function                                    | Count | Expected Function                                  | Count | Result   |
| Rte_Call_EOTActuatorMng_Per1_CP0_CheckpointReached | 1     | Rte_Call_EOTActuatorMng_Per1_CP0_CheckpointReached | 1     | <b>~</b> |
| EOTDetermination                                   | 1     | EOTDetermination                                   | 1     | ~        |
| EOTOrigImpact                                      | 1     | EOTOrigImpact                                      | 1     | <b>~</b> |
| IntplVarXY_u16_u16Xu16Y_Cnt                        | 1     | IntplVarXY_u16_u16Xu16Y_Cnt                        | 1     | •        |
| SES_DetLmtPos                                      | 1     | SES_DetLmtPos                                      | 1     | ~        |
| SES_CalcExitGain                                   | 1     | SES_CalcExitGain                                   | 1     | ~        |
| IntplVarXY_u16_u16Xu16Y_Cnt                        | 1     | IntplVarXY_u16_u16Xu16Y_Cnt                        | 1     | <b>~</b> |
| SES_CalcEnterGain                                  | 1     | SES_CalcEnterGain                                  | 1     | ~        |
| BilinearXMYM_u16_u16XMu16YM_Cnt                    | 1     | BilinearXMYM_u16_u16XMu16YM_Cnt                    | 1     | ~        |
| SES_CalcEOTGain                                    | 1     | SES_CalcEOTGain                                    | 1     | ~        |
| SES_FiltEOTGain                                    | 1     | SES_FiltEOTGain                                    | 1     | ~        |
| SES_CalcEOTDamp                                    | 1     | SES_CalcEOTDamp                                    | 1     | ~        |
| BilinearXMYM_u16_u16XMu16YM_Cnt                    | 1     | BilinearXMYM_u16_u16XMu16YM_Cnt                    | 1     | ~        |
| SES_StateCtrl                                      | 1     | SES_StateCtrl                                      | 1     | ~        |
| Rte_Call_EOTActuatorMng_Per1_CP1_CheckpointReached | 1     | Rte_Call_EOTActuatorMng_Per1_CP1_CheckpointReached | 1     | ~        |

| Test Step 2.57 (Repeat Count = 1)         |                                       |
|---|---------------------------------------|
| Name                                      | Input Value                           |
| EOTActuatorMng_Damping_MtrNm_M_f32        | 0                                     |
| EOTActuatorMng_EOTImpactPos_HwDeg_M_f32   | 234.052002                            |
| EOTActuatorMng_FiltEOTGainSV_HwNm_M_u1p31 | 1782411428                            |
| EOTActuatorMng_FiltHWTrqSV_HwNm_M_s7p24   | -74490839                             |
| EOTActuatorMng_PrevEOTGain_Uls_M_f32      | 0.310000002                           |
| EOTActuatorMng_SESState_Uls_M_enum        | SES_ENTERING                          |
| Rte_Inst_Ap_EOTActuatorMng                | target_Rte_Inst_Ap_EOTActuatorMng     |
| k_EOTActiveRegionBypassMaxThresh_Uls_f32  | 0.61500001                            |
| k_EOTDefltPosition_HwDeg_u12p4            | 11200                                 |
| k_EOTDeltaTrqThrsh_HwNm_u9p7              | 512                                   |
| k_EOTDynConf_Uls_u8p8                     | 15360                                 |
| k_EOTEnterLPFKn_Cnt_u16                   | 500                                   |
| k_EOTExitLPFKn_Cnt_u16                    | 666                                   |
| k_EOTImpSpdEn_Kph_u9p7                    | 6016                                  |
| k_EOTOriginalImpactandSoftEnd_Cnt_lgc     | 0                                     |
| k_EOTPosDepDempFinalSlew_MtrNmpS_T_f32    | 490.440002                            |
| k_EOTStateHwTrqLPFKn_Cnt_u16              | 6666                                  |
| k_MaxRackTrvl_HwDeg_u12p4                 | 10656                                 |
| k_MinRackTrvl_HwDeg_u12p4                 | 11920                                 |
| k_PosRampStep_HwDeg_u12p4                 | 9008                                  |
| k_SoftStopEOTEnable_Cnt_lgc               | 1                                     |
| k_SpdlptScale_MtrNmpRadpS_u4p12           | 82                                    |
| t2_EOTEnterGainX_HwDeg_u12p4[0][0]        | 160                                   |
| t2_EOTEnterGainX_HwDeg_u12p4[0][1]        | 336                                   |
| t2_EOTEnterGainX_HwDeg_u12p4[0][2]        | 480                                   |
| t2_EOTEnterGainX_HwDeg_u12p4[0][3]        | 656                                   |
| t2_EOTEnterGainX_HwDeg_u12p4[1][0]        | 560                                   |
| t2_EOTEnterGainX_HwDeg_u12p4[1][1]        | 1664                                  |
| t2_EOTEnterGainX_HwDeg_u12p4[1][2]        | 1680                                  |
| t2_EOTEnterGainX_HwDeg_u12p4[1][3]        | 1696                                  |
| t2_EOTEnterGainX_HwDeg_u12p4[2][0]        | 1200                                  |
| t2_EOTEnterGainX_HwDeg_u12p4[2][1]        | 3584                                  |
| t2_EOTEnterGainX_HwDeg_u12p4[2][2]        | 3600                                  |
| t2_EOTEnterGainX_HwDeg_u12p4[2][3]        | 3616                                  |
| t2_EOTEnterGainX_HwDeg_u12p4[3][0]        | 1840                                  |
| t2_EOTEnterGainX_HwDeg_u12p4[3][1]        | 5504                                  |
| t2_EOTEnterGainX_HwDeg_u12p4[3][2]        | 5520                                  |
| t2_EOTEnterGainX_HwDeg_u12p4[3][3]        | 5536                                  |
| t2_EOTEnterGainY_Uls_u1p15[0][0]          | 6                                     |
| t2_EOTEnterGainY_Uls_u1p15[0][1]          | 6                                     |
| t2_EOTEnterGainY_Uls_u1p15[0][2]          | 478                                   |
| t2 EOTEnterGainY Uls u1p15[0][3]          | 49                                    |
| t2 EOTEnterGainY Uls u1p15[1][0]          | 7                                     |
| t2_EOTEnterGainY_Uls_u1p15[1][1]          | 7                                     |
| t2_EOTEnterGainY_Uls_u1p15[1][2]          | 78                                    |
| t2_EOTEnterGainY_Uls_u1p15[1][3]          | 763                                   |
| t2_EOTEnterGainY_Uls_u1p15[2][0]          | 668                                   |
| t2_EOTEnterGainY_Uls_u1p15[2][1]          | 69                                    |
| t2_EOTEnterGainY_Uls_u1p15[2][2]          | 6                                     |
| t2_EOTEnterGainY_Uls_u1p15[2][3]          | 7                                     |
| a0 Odii i _0 i0_d i p i 0[2][0]           | · · · · · · · · · · · · · · · · · · · |

2015-06-29, 18:31:27+0530



EOTActuatorMng\_Per1

| LOTTioldatoriving_T or t  |  | (                              | 10-10 |
|---|--|--------------------------------|-------|
| Name  | Input Value  |                                |       |
| t2_EOTEnterGainY_Uls_u1p15[3][0]  | 1239   |                                |       |
| t2_EOTEnterGainY_Uls_u1p15[3][1]  | 127  |                                |       |
| t2_EOTEnterGainY_Uls_u1p15[3][2]  | 8  |                                |       |
| t2_EOTEnterGainY_Uls_u1p15[3][3]  | 9  |                                |       |
| t2_EOTExPosDepDmpTblY_MtrNmpRadps_u0p16[0][0]   | 77   |                                |       |
| t2_EOTExPosDepDmpTblY_MtrNmpRadps_u0p16[0][1]   | 108  |                                |       |
| t2_EOTExPosDepDmpTblY_MtrNmpRadps_u0p16[1][0]   | 153  |                                |       |
| t2_EOTExPosDepDmpTblY_MtrNmpRadps_u0p16[1][1]   | 216  |                                |       |
| t2_EOTExPosDepDmpTblY_MtrNmpRadps_u0p16[2][0]   | 153  |                                |       |
| t2_EOTExPosDepDmpTblY_MtrNmpRadps_u0p16[2][1]   | 216  |                                |       |
| t2_EOTExPosDepDmpTblY_MtrNmpRadps_u0p16[3][0]   | 107  |                                |       |
| t2_EOTExPosDepDmpTblY_MtrNmpRadps_u0p16[3][1]   | 151  |                                |       |
| t2_EOTPosDepDmpTblX_HwDeg_u12p4[0][0]   | 608  |                                |       |
| t2_EOTPosDepDmpTblX_HwDeg_u12p4[0][1]   | 1200   |                                |       |
| t2_EOTPosDepDmpTblX_HwDeg_u12p4[1][0]   | 720  |                                |       |
| t2_EOTPosDepDmpTblX_HwDeg_u12p4[1][1]   | 1104   |                                |       |
| t2_EOTPosDepDmpTbIX_HwDeg_u12p4[2][0]   | 800  |                                |       |
| t2_EOTPosDepDmpTbIX_HwDeg_u12p4[2][1]   | 4096   |                                |       |
| t2_EOTPosDepDmpTblX_HwDeg_u12p4[3][0]   | 480  |                                |       |
| t2_EOTPosDepDmpTblX_HwDeg_u12p4[3][1]   | 624  |                                |       |
| t2_EOTPosDepDmpTblY_MtrNmpRadpS_u0p16[0][0]   | 108  |                                |       |
| t2_EOTPosDepDmpTblY_MtrNmpRadpS_u0p16[0][1]   | 769  |                                |       |
| t2_EOTPosDepDmpTblY_MtrNmpRadpS_u0p16[1][0]   | 302  |                                |       |
| t2_EOTPosDepDmpTblY_MtrNmpRadpS_u0p16[1][1]   | 213  |                                |       |
| t2_EOTPosDepDmpTblY_MtrNmpRadpS_u0p16[2][0]   | 137<br>194   |                                |       |
| t2_EOTPosDepDmpTblY_MtrNmpRadpS_u0p16[2][1] t2_EOTPosDepDmpTblY_MtrNmpRadpS_u0p16[3][0]   | 74   |                                |       |
| t2_EOTPosDepDmpTblY_MtrNmpRadpS_u0p16[3][1]   | 105  |                                |       |
| t_EOTDmpVspd_Kph_u9p7[0]  | 4480   |                                |       |
| t_EOTDmpVspd_Kph_u9p7[1]  | 13312  |                                |       |
| t_EOTDmpVspd_Kph_u9p7[2]  | 13440  |                                |       |
| t_EOTDmpVspd_Kph_u9p7[3]  | 13568  |                                |       |
| t_EOTEnterGainVspd_Kph_u9p7[0]  | 4480   |                                |       |
| t_EOTEnterGainVspd_Kph_u9p7[1]  | 13312  |                                |       |
| t_EOTEnterGainVspd_Kph_u9p7[2]  | 13440  |                                |       |
| t_EOTEnterGainVspd_Kph_u9p7[3]  | 13568  |                                |       |
| t_SpdlptTblXTbl_HwDeg_u12p4[0]  | 144  |                                |       |
| t_SpdlptTblXTbl_HwDeg_u12p4[1]  | 304  |                                |       |
| t_SpdlptTblYTbl_MtrRadpS_u12p4[0]   | 480  |                                |       |
| t SpdlptTblYTbl MtrRadpS u12p4[1]   | 624  |                                |       |
| t_TrqTableX_HwNm_u8p8[0]  | 256  |                                |       |
| t_TrqTableX_HwNm_u8p8[1]  | 1024   |                                |       |
| t_TrqTblY_Uls_u2p14[0]  | 16   |                                |       |
| t_TrqTblY_Uls_u2p14[1]  | 98   |                                |       |
| target_EOTActuatorMng_Per1_CcwEOT_HwDeg_f32.value   | -555.349976  |                                |       |
| target_EOTActuatorMng_Per1_CcwFound_Cnt_lgc.value   | 0  |                                |       |
| target_EOTActuatorMng_Per1_CwEOT_HwDeg_f32.value  | 0  |                                |       |
| target_EOTActuatorMng_Per1_CwFound_Cnt_lgc.value  | 1  |                                |       |
| target_EOTActuatorMng_Per1_EOTDisable_Cnt_lgc.value   | 1  |                                |       |
| target_EOTActuatorMng_Per1_HandWheelAuth_Uls_f32.value  | 0.230000004  |                                |       |
| target_EOTActuatorMng_Per1_HandWheelPos_HwDeg_f32.value   | -500.170013  |                                |       |
| target_EOTActuatorMng_Per1_HwTorque_HwNm_f32.value  | 1.10000002   |                                |       |
| target_EOTActuatorMng_Per1_MotorVel_MtrRadpS_f32.value  | -0.600000024   |                                |       |
| target_EOTActuatorMng_Per1_OutputRampMultLtd_Uls_f32.value  | 0.270000011  |                                |       |
| target_EOTActuatorMng_Per1_VehicleSpeed_Kph_f32.value   | 17.0599995   |                                |       |
| $target\_Rte\_Inst\_Ap\_EOTActuatorMng.EOTActuatorMng\_Per1\_AssistEOTDamping\_Per1\_AssisTEOTDamping\_Per1\_AssisTEOTD$  | target_EOTActuatorMng_Per1_AssistEOTDa                         | amping_MtrNm_f32               |       |
| $target\_Rte\_Inst\_Ap\_EOTActuatorMng.EOTActuatorMng\_Per1\_AssistEOTGain\_Ulrace and the property of the property $   | s_ target_EOTActuatorMng_Per1_AssistEOTG                       | ain_Uls_f32                    |       |
| $target\_Rte\_Inst\_Ap\_EOTActuatorMng.EOTActuatorMng\_Per1\_AssistEOTLimit\_Mtarget\_Results (App_EOTActuatorMng\_Per1\_AssistEOTLimit\_Mtarget\_Results (App_EOTActuatorMng\_Per1\_AssistEOTLimit\_Results (App_EOTActuatorMng\_Per1\_AssistEOTLimit\_Results (App_EOTActuatorMng\_Results (App_EOTActuatorMng\_Per1\_AssistEOTLimit\_Results (App_EOTActuatorMng\_Results (App_EOTActuatorMng\_Res$  | rt target_EOTActuatorMng_Per1_AssistEOTLii                     | mit_MtrNm_f32                  |       |
| target_Rte_Inst_Ap_EOTActuatorMng.EOTActuatorMng_Per1_CcwEOT_HwDeg_   | f3 target_EOTActuatorMng_Per1_CcwEOT_Hv                        | /Deg_f32                       |       |
| $target\_Rte\_Inst\_Ap\_EOTActuatorMng.EOTActuatorMng\_Per1\_CcwFound\_Cnt\_Igouther and the property of the property$  | target_EOTActuatorMng_Per1_CcwFound_0                          | Cnt_lgc                        |       |
| target_Rte_Inst_Ap_EOTActuatorMng.EOTActuatorMng_Per1_CwEOT_HwDeg_f3  | _CwEOT_HwDeg_f32 target_EOTActuatorMng_Per1_CwEOT_HwDeg_f32    |                                |       |
| $target\_Rte\_Inst\_Ap\_EOTActuatorMng.EOTActuatorMng\_Per1\_CwFound\_Cnt\_lgc$   | und_Cnt_lgc target_EOTActuatorMng_Per1_CwFound_Cnt_lgc         |                                |       |
| $target\_Rte\_Inst\_Ap\_EOTActuatorMng.EOTActuatorMng\_Per1\_EOTDisable\_Cnt\_legers and the property of the property$  | target_EOTActuatorMng_Per1_EOTDisable                          | _Cnt_lgc                       |       |
| target_Rte_Inst_Ap_EOTActuatorMng.EOTActuatorMng_Per1_HandWheelAuth_U   | ls target_EOTActuatorMng_Per1_HandWheelA                       | uth_Uls_f32                    |       |
| $target\_Rte\_Inst\_Ap\_EOTActuatorMng.EOTActuatorMng\_Per1\_HandWheelPos\_H$   | NheelPos_Hwl target_EOTActuatorMng_Per1_HandWheelPos_HwDeg_f32 |                                |       |
| $target\_Rte\_Inst\_Ap\_EOTActuatorMng.EOTActuatorMng\_Per1\_HwTorque\_HwNm\_Inst_Ap\_EOTActuatorMng\_Per1\_HwTorque\_HwNm\_Inst_Ap\_EOTActuatorMng\_Per1\_HwTorque\_HwNm\_Inst_Ap\_EOTActuatorMng\_Per1\_HwTorque\_HwNm\_Inst_Ap\_EOTActuatorMng\_Per1\_HwTorque\_HwNm\_Inst_Ap\_EOTActuatorMng\_Per1\_HwTorque\_HwNm\_Inst_Ap\_EOTActuatorMng\_Per1\_HwTorque\_HwNm\_Inst_Ap\_EOTActuatorMng\_Per1\_HwTorque\_HwNm\_Inst_Ap\_EOTActuatorMng\_Per1\_HwTorque\_HwNm\_Inst_Ap\_EOTActuatorMng\_Per1\_HwTorque\_HwNm\_Inst_Ap\_EOTActuatorMng\_Per1\_HwTorque\_HwNm\_Inst_Ap\_EOTActuatorMng\_Per1\_HwTorque\_HwNm\_Inst_Ap\_EOTActuatorMng\_Per1\_HwTorque\_HwNm\_Inst_Ap\_EOTActuatorMng\_Per1\_HwTorque\_HwNm\_Inst_Ap\_EOTActuatorMng\_Per1\_HwTorque\_HwNm\_Inst_Ap\_EOTActuatorMng\_Per1\_HwTorque\_HwNm\_Inst_Ap\_EOTActuatorMng\_Per1\_HwTorque\_HwNm\_Inst_Ap\_EOTActuatorMng\_Per1\_HwTorque\_HwNm\_Inst_Ap\_EOTActuatorMng\_Per1\_HwTorque\_HwNm\_Inst_Ap\_EOTActuatorMng\_Per1\_HwTorque\_HwNm_Inst_Ap\_EOTActuatorMng\_Per1\_HwTorque\_HwNm_Inst_Ap\_EOTActuatorMng\_Per1\_HwTorque\_HwNm_Inst_Ap\_EOTActuatorMng\_Per1\_HwTorque\_HwNm_Inst_Ap\_EOTActuatorMng\_Per1\_HwTorque\_HwNm_Inst_Ap\_EOTActuatorMng\_Per1\_HwTorque\_HwNm_Inst_Ap\_EOTActuatorMng\_Per1\_HwTorque\_HwTo$ | f target_EOTActuatorMng_Per1_HwTorque_F                        | lwNm_f32                       |       |
| $target\_Rte\_Inst\_Ap\_EOTActuatorMng.EOTActuatorMng\_Per1\_MotorVel\_MtrRadparter (Application of the Company of th$   | s target_EOTActuatorMng_Per1_MotorVel_Mt                       | rRadpS_f32                     |       |
| $target\_Rte\_Inst\_Ap\_EOTActuatorMng.EOTActuatorMng\_Per1\_OutputRampMultLttrappersection and the properties of the propert$  | d target_EOTActuatorMng_Per1_OutputRamp                        | MultLtd_Uls_f32                |       |
| target Rte Inst Ap EOTActuatorMng.EOTActuatorMng Per1 VehicleSpeed Kph  | target_EOTActuatorMng_Per1_VehicleSpee                         | d_Kph_f32                      |       |
| Name  | Actual Value   | Expected Value                 | Resu  |
| EOTActuatorMng_Damping_MtrNm_M_f32  | -0.000988769578  | -0.000988770043 ± 0.0000390625 |       |
| EOTActuatorMng_EOTImpactPos_HwDeg_M_f32   | 234.052002   | 234.052002 ± 0.0000390625      |       |
| EOTActuatorMng FiltEOTGainSV HwNm M u1p31   | 1768837428   | 1768837428 ± 1                 |       |

1768837428

1768837428 ± 1

2015-06-29, 18:31:27+0530



| Name  | Actual Value    | Expected Value                  | Result   |
|---|-----------------|---------------------------------|----------|
| EOTActuatorMng_FiltHWTrqSV_HwNm_M_s7p24                     | -68784743       | -68784743 ± 1                   | ~        |
| EOTActuatorMng_OutputRampMultLtd_M_f32                      | 0.270000011     | 0.270000011 ± 0.00390625        | ~        |
| EOTActuatorMng_PrevEOTGain_Uls_M_f32                        | 0.823669434     | 0.823669434 ± 0.0625            | ~        |
| EOTActuatorMng_SESState_Uls_M_enum                          | SES_DISABLED    | SES_DISABLED                    | ~        |
| target_EOTActuatorMng_Per1_AssistEOTDamping_MtrNm_f32.value | -0.000988769578 | -0.000988770043 ± 0.00048828125 | <b>✓</b> |
| target_EOTActuatorMng_Per1_AssistEOTGain_Uls_f32.value      | 0.823669434     | 0.823669434 ± 0.0000390625      | ~        |
| target_EOTActuatorMng_Per1_AssistEOTLimit_MtrNm_f32.value   | 8.80000019      | 8.80000019 ± 0.00048828125      | •        |

| Τ  |       |  |       | <b>✓</b> |
|--|-------|--|-------|----------|
| Actual Function                                    | Count | Expected Function                                  | Count | Result   |
| Rte_Call_EOTActuatorMng_Per1_CP0_CheckpointReached | 1     | Rte_Call_EOTActuatorMng_Per1_CP0_CheckpointReached | 1     | ~        |
| EOTDetermination                                   | 1     | EOTDetermination                                   | 1     | •        |
| SES_DetLmtPos                                      | 1     | SES_DetLmtPos                                      | 1     | ~        |
| SES_CalcExitGain                                   | 1     | SES_CalcExitGain                                   | 1     | •        |
| IntplVarXY_u16_u16Xu16Y_Cnt                        | 1     | IntplVarXY_u16_u16Xu16Y_Cnt                        | 1     | ~        |
| SES_CalcEnterGain                                  | 1     | SES_CalcEnterGain                                  | 1     | •        |
| BilinearXMYM_u16_u16XMu16YM_Cnt                    | 1     | BilinearXMYM_u16_u16XMu16YM_Cnt                    | 1     | ~        |
| SES_CalcEOTGain                                    | 1     | SES_CalcEOTGain                                    | 1     | •        |
| SES_FiltEOTGain                                    | 1     | SES_FiltEOTGain                                    | 1     | ~        |
| SES_CalcEOTDamp                                    | 1     | SES_CalcEOTDamp                                    | 1     | •        |
| BilinearXMYM_u16_u16XMu16YM_Cnt                    | 1     | BilinearXMYM_u16_u16XMu16YM_Cnt                    | 1     | ~        |
| SES_StateCtrl                                      | 1     | SES_StateCtrl                                      | 1     | •        |
| Rte_Call_EOTActuatorMng_Per1_CP1_CheckpointReached | 1     | Rte_Call_EOTActuatorMng_Per1_CP1_CheckpointReached | 1     | ~        |

| Test Step 2.58 (Repeat Count = 1)         |                                   |
|---|-----------------------------------|
| Name                                      | Input Value                       |
| EOTActuatorMng_Damping_MtrNm_M_f32        | -8.80000019                       |
| EOTActuatorMng_EOTImpactPos_HwDeg_M_f32   | 1000.40997                        |
| EOTActuatorMng_FiltEOTGainSV_HwNm_M_u1p31 | 1567663063                        |
| EOTActuatorMng FiltHWTrqSV HwNm M s7p24   | -55868129                         |
| EOTActuatorMng PrevEOTGain Uls M f32      | 0.529999971                       |
| EOTActuatorMng_SESState_Uls_M_enum        | SES_ENTERING                      |
| Rte_Inst_Ap_EOTActuatorMng                | target_Rte_Inst_Ap_EOTActuatorMng |
| k_EOTActiveRegionBypassMaxThresh_Uls_f32  | 0.20000003                        |
| k EOTDefltPosition HwDeg u12p4            | 12800                             |
| k_EOTDeltaTrqThrsh_HwNm_u9p7              | 384                               |
| C EOTDynConf Uls u8p8                     | 0                                 |
| k_EOTEnterLPFKn_Cnt_u16                   | 486                               |
| <br>k_EOTExitLPFKn_Cnt_u16                | 777                               |
| k_EOTImpSpdEn_Kph_u9p7                    | 6144                              |
| k_EOTOriginalImpactandSoftEnd_Cnt_lgc     | 1                                 |
| k_EOTPosDepDempFinalSlew_MtrNmpS_T_f32    | 590.440002                        |
| k_EOTStateHwTrqLPFKn_Cnt_u16              | 5555                              |
| k_MaxRackTrvl_HwDeg_u12p4                 | 12432                             |
| k_MinRackTrvl_HwDeg_u12p4                 | 18672                             |
| k_PosRampStep_HwDeg_u12p4                 | 5536                              |
| k_SoftStopEOTEnable_Cnt_lgc               | 1                                 |
| k_SpdlptScale_MtrNmpRadpS_u4p12           | 82                                |
| 12_EOTEnterGainX_HwDeg_u12p4[0][0]        | 800                               |
| t2_EOTEnterGainX_HwDeg_u12p4[0][1]        | 960                               |
| 12_EOTEnterGainX_HwDeg_u12p4[0][2]        | 1152                              |
| t2_EOTEnterGainX_HwDeg_u12p4[0][3]        | 1296                              |
| 2_EOTEnterGainX_HwDeg_u12p4[1][0]         | 576                               |
| 2_EOTEnterGainX_HwDeg_u12p4[1][1]         | 1712                              |
| 2_EOTEnterGainX_HwDeg_u12p4[1][2]         | 1728                              |
| 2_EOTEnterGainX_HwDeg_u12p4[1][3]         | 1744                              |
| 12 EOTEnterGainX HwDeg u12p4[2][0]        | 1216                              |
| 2_EOTEnterGainX_HwDeg_u12p4[2][1]         | 3632                              |
| 2_EOTEnterGainX_HwDeg_u12p4[2][2]         | 3648                              |
| t2_EOTEnterGainX_HwDeg_u12p4[2][3]        | 3664                              |
| 2_EOTEnterGainX_HwDeg_u12p4[3][0]         | 1856                              |
| 12_EOTEnterGainX_HwDeg_u12p4[3][1]        | 5552                              |
| 12_EOTEnterGainX_HwDeg_u12p4[3][2]        | 5568                              |
| t2_EOTEnterGainX_HwDeg_u12p4[3][3]        | 5584                              |
| 2_EOTEnterGainY_Uls_u1p15[0][0]           | 6                                 |
| t2_EOTEnterGainY_Uls_u1p15[0][1]          | 7                                 |
| 12_EOTEnterGainY_Uls_u1p15[0][2]          | 59                                |
| t2_EOTEnterGainY_Uls_u1p15[0][3]          | 573                               |
| t2_EOTEnterGainY_Uls_u1p15[1][0]          | 7                                 |
| t2_EOTEnterGainY_Uls_u1p15[1][1]          | 8                                 |

2015-06-29, 18:31:27+0530



| Name  | Input Value   |
|---|---|
| t2_EOTEnterGainY_Uls_u1p15[1][2]  | 88  |
| t2_EOTEnterGainY_Uls_u1p15[1][3]  | 859   |
| t2_EOTEnterGainY_Uls_u1p15[2][0]  | 763   |
| t2_EOTEnterGainY_Uls_u1p15[2][1]<br>t2_EOTEnterGainY_Uls_u1p15[2][2]  | 78  |
| t2_EOTEINErGainT_Dis_u1p15[2][2] t2_EOTEINErGainY_Uls_u1p15[2][3]   | 7   |
| t2_EOTEnterGainY_Uls_u1p15[3][0]  | 1334  |
| t2_EOTEnterGainY_Uls_u1p15[3][1]  | 137   |
| t2_EOTEnterGainY_Uls_u1p15[3][2]  | 9   |
| t2_EOTEnterGainY_Uls_u1p15[3][3]  | 9   |
| t2_EOTExPosDepDmpTblY_MtrNmpRadps_u0p16[0][0]   | 92  |
| t2_EOTExPosDepDmpTblY_MtrNmpRadps_u0p16[0][1]   | 130   |
| t2_EOTExPosDepDmpTblY_MtrNmpRadps_u0p16[1][0]   | 168   |
| t2_EOTExPosDepDmpTblY_MtrNmpRadps_u0p16[1][1]   | 237   |
| t2_EOTExPosDepDmpTblY_MtrNmpRadps_u0p16[2][0] t2_EOTExPosDepDmpTblY_MtrNmpRadps_u0p16[2][1]   | 168<br>237  |
| t2_EOTEXPosDepDmpTblY_MtrNmpRadps_u0p16[3][0]   | 122   |
| t2_EOTExPosDepDmpTblY_MtrNmpRadps_u0p16[3][1]   | 173   |
| t2_EOTPosDepDmpTbIX_HwDeg_u12p4[0][0]   | 640   |
| t2_EOTPosDepDmpTblX_HwDeg_u12p4[0][1]   | 1216  |
| t2_EOTPosDepDmpTblX_HwDeg_u12p4[1][0]   | 736   |
| t2_EOTPosDepDmpTblX_HwDeg_u12p4[1][1]   | 1120  |
| t2_EOTPosDepDmpTbIX_HwDeg_u12p4[2][0]   | 832   |
| t2_EOTPosDepDmpTbIX_HwDeg_u12p4[2][1]   | 4112  |
| t2_EOTPosDepDmpTblX_HwDeg_u12p4[3][0]   | 496   |
| t2_EOTPosDepDmpTblX_HwDeg_u12p4[3][1]   | 640   |
| t2_EOTPosDepDmpTblY_MtrNmpRadpS_u0p16[0][0]   | 130   |
| t2_EOTPosDepDmpTblY_MtrNmpRadpS_u0p16[0][1]   | 920<br>323  |
| t2_EOTPosDepDmpTblY_MtrNmpRadpS_u0p16[1][0] t2_EOTPosDepDmpTblY_MtrNmpRadpS_u0p16[1][1]   | 228   |
| t2_EOTPosDepDmpTblY_MtrNmpRadpS_u0p16[1][1] t2_EOTPosDepDmpTblY_MtrNmpRadpS_u0p16[2][0]   | 153   |
| t2_EOTPosDepDmpTblY_MtrNmpRadpS_u0p16[2][1]   | 216   |
| t2_EOTPosDepDmpTblY_MtrNmpRadpS_u0p16[3][0]   | 76  |
| t2_EOTPosDepDmpTblY_MtrNmpRadpS_u0p16[3][1]   | 108   |
| t_EOTDmpVspd_Kph_u9p7[0]  | 4608  |
| t_EOTDmpVspd_Kph_u9p7[1]  | 13696   |
| t_EOTDmpVspd_Kph_u9p7[2]  | 13824   |
| t_EOTDmpVspd_Kph_u9p7[3]  | 13952   |
| t_EOTEnterGainVspd_Kph_u9p7[0]  | 4608  |
| t_EOTEnterGainVspd_Kph_u9p7[1]  | 13696   |
| t_EOTEnterGainVspd_Kph_u9p7[2]<br>t_EOTEnterGainVspd_Kph_u9p7[3]  | 13824<br>13952                                      |
| t_SpdlptTblXTbl_HwDeg_u12p4[0]  | 128   |
| t_SpdiptTblXTbl_HwDeg_u12p4[1]  | 320   |
| t_SpdlptTblYTbl_MtrRadpS_u12p4[0]   | 496   |
| t_SpdIptTbIYTbI_MtrRadpS_u12p4[1]   | 640   |
| t_TrqTableX_HwNm_u8p8[0]  | 256   |
| t_TrqTableX_HwNm_u8p8[1]  | 768   |
| t_TrqTbIY_UIs_u2p14[0]  | 33  |
| t_TrqTblY_Uls_u2p14[1]  | 115   |
| target_EOTActuatorMng_Per1_CcwEOT_HwDeg_f32.value   | -465.279999<br>4                                    |
| target_EOTActuatorMng_Per1_CcwFound_Cnt_lgc.value target_EOTActuatorMng_Per1_CwEOT_HwDeg_f32.value  | 1 1440.10999  |
| target_EOTActuatorMng_Perl_CwEoT_nwDeg_i3z.value  | 1   |
| target_EOTActuatorMng_Per1_EOTDisable_Cnt_lgc.value   | 0   |
| target EOTActuatorMng Per1 HandWheelAuth Uls f32.value  | 0.839999974   |
| target_EOTActuatorMng_Per1_HandWheelPos_HwDeg_f32.value   | 500.25  |
| target_EOTActuatorMng_Per1_HwTorque_HwNm_f32.value  | -1.20000005   |
| target_EOTActuatorMng_Per1_MotorVel_MtrRadpS_f32.value  | 0.69999988  |
| target_EOTActuatorMng_Per1_OutputRampMultLtd_Uls_f32.value  | 0.617999971   |
| target_EOTActuatorMng_Per1_VehicleSpeed_Kph_f32.value   | 18.0699997  |
| target_Rte_Inst_Ap_EOTActuatorMng_EOTActuatorMng_Per1_AssistEOTDamping  |   |
| target_Rte_Inst_Ap_EOTActuatorMng_EOTActuatorMng_Per1_AssistEOTGain_Uls   |   |
| target_Rte_Inst_Ap_EOTActuatorMng.EOTActuatorMng_Per1_AssistEOTLimit_Mtr<br>target_Rte_Inst_Ap_EOTActuatorMng.EOTActuatorMng_Per1_CcwEOT_HwDeg_f3   |   |
| target_Rte_Inst_Ap_EOTActuatorWing.EOTActuatorWing_Per1_CcwEOT_HWDeg_rt<br>target_Rte_Inst_Ap_EOTActuatorMng.EOTActuatorMng_Per1_CcwEOT_HWDeg_rt  |   |
| target_Rte_Inst_Ap_EOTActuatorMng.EOTActuatorMng_Per1_CcwPound_Cnt_gc target_Rte_Inst_Ap_EOTActuatorMng.EOTActuatorMng Per1_CwEOT_HwDeg f3:   |   |
| target Rte Inst Ap EOTActuatorMng.EOTActuatorMng Per1 CwFound Cnt Igc   | target EOTActuatorMng Per1 CwFound Cnt Igc          |
| V =   |   |
| target Rte Inst Ap EOTActuatorMng.EOTActuatorMng Per1 EOTDisable Cnt Ig   | ,   |
| target Rte Inst Ap EOTActuatorMng.EOTActuatorMng Per1 EOTDisable Cnt Ig target_Rte_Inst_Ap_EOTActuatorMng.EOTActuatorMng_Per1_HandWheelAuth_Uli   | target_EOTActuatorMng_Per1_HandWheelAuth_Uls_f32    |
|   |   |
| $target\_Rte\_Inst\_Ap\_EOTActuatorMng.EOTActuatorMng\_Per1\_HandWheelAuth\_Ulrackets and the property of the proper$ | l target_EOTActuatorMng_Per1_HandWheelPos_HwDeg_f32 |



| Name   | Input Value                             |                             |        |
|--|---|-----------------------------|--------|
| target_Rte_Inst_Ap_EOTActuatorMng.EOTActuatorMng_Per1_OutputRampMultLtd_ | target_EOTActuatorMng_Per1_OutputRample | MultLtd_Uls_f32             |        |
| target_Rte_Inst_Ap_EOTActuatorMng.EOTActuatorMng_Per1_VehicleSpeed_Kph_  | target_EOTActuatorMng_Per1_VehicleSpeed | d_Kph_f32                   |        |
| Name   | Actual Value                            | Expected Value              | Result |
| EOTActuatorMng_Damping_MtrNm_M_f32                                       | -7.61912012                             | -7.61912012 ± 0.0000390625  | ~      |
| EOTActuatorMng_EOTImpactPos_HwDeg_M_f32                                  | 800                                     | 800 ± 0.0000390625          | •      |
| EOTActuatorMng_FiltEOTGainSV_HwNm_M_u1p31                                | 1556316421                              | 1556316421 ± 1              | ~      |
| EOTActuatorMng_FiltHWTrqSV_HwNm_M_s7p24                                  | -52835099                               | -52835099 ± 1               | •      |
| EOTActuatorMng_OutputRampMultLtd_M_f32                                   | 0.617999971                             | 0.617999971 ± 0.00390625    | ~      |
| EOTActuatorMng_PrevEOTGain_Uls_M_f32                                     | 0.724700928                             | 0.724700928 ± 0.0625        | •      |
| EOTActuatorMng_SESState_Uls_M_enum                                       | SES_NORMAL                              | SES_NORMAL                  | ~      |
| target_EOTActuatorMng_Per1_AssistEOTDamping_MtrNm_f32.value              | -7.61912012                             | -7.61912012 ± 0.00048828125 | ~      |
| target_EOTActuatorMng_Per1_AssistEOTGain_Uls_f32.value                   | 0.724700928                             | 0.724700928 ± 0.0000390625  | ~      |
| target_EOTActuatorMng_Per1_AssistEOTLimit_MtrNm_f32.value                | 0.606591761                             | 0.606591821 ± 0.00048828125 | ~      |

| Τ  |       |  |       | V        |
|--|-------|--|-------|----------|
| Actual Function                                    | Count | Expected Function                                  | Count | Result   |
| Rte_Call_EOTActuatorMng_Per1_CP0_CheckpointReached | 1     | Rte_Call_EOTActuatorMng_Per1_CP0_CheckpointReached | 1     | ~        |
| EOTDetermination                                   | 1     | EOTDetermination                                   | 1     | <b>✓</b> |
| EOTOrigImpact                                      | 1     | EOTOrigImpact                                      | 1     | ~        |
| IntplVarXY_u16_u16Xu16Y_Cnt                        | 1     | IntplVarXY_u16_u16Xu16Y_Cnt                        | 1     | <b>✓</b> |
| SES_DetLmtPos                                      | 1     | SES_DetLmtPos                                      | 1     | ~        |
| SES_CalcExitGain                                   | 1     | SES_CalcExitGain                                   | 1     | ~        |
| IntplVarXY_u16_u16Xu16Y_Cnt                        | 1     | IntplVarXY_u16_u16Xu16Y_Cnt                        | 1     | ~        |
| SES_CalcEnterGain                                  | 1     | SES_CalcEnterGain                                  | 1     | <b>✓</b> |
| BilinearXMYM_u16_u16XMu16YM_Cnt                    | 1     | BilinearXMYM_u16_u16XMu16YM_Cnt                    | 1     | <b>~</b> |
| SES_CalcEOTGain                                    | 1     | SES_CalcEOTGain                                    | 1     | ~        |
| SES_FiltEOTGain                                    | 1     | SES_FiltEOTGain                                    | 1     | ~        |
| SES_CalcEOTDamp                                    | 1     | SES_CalcEOTDamp                                    | 1     | <b>✓</b> |
| BilinearXMYM_u16_u16XMu16YM_Cnt                    | 1     | BilinearXMYM_u16_u16XMu16YM_Cnt                    | 1     | ~        |
| SES_StateCtrl                                      | 1     | SES_StateCtrl                                      | 1     | <b>✓</b> |
| IntplVarXY_u16_u16Xu16Y_Cnt                        | 2     | IntplVarXY_u16_u16Xu16Y_Cnt                        | 2     | ~        |
| Rte_Call_EOTActuatorMng_Per1_CP1_CheckpointReached | 1     | Rte_Call_EOTActuatorMng_Per1_CP1_CheckpointReached | 1     | ~        |

| Test Step 2.59 (Repeat Count = 1)         | ✓                                 |
|---|-----------------------------------|
| Name                                      | Input Value                       |
| EOTActuatorMng_Damping_MtrNm_M_f32        | 2.400001                          |
| EOTActuatorMng_EOTImpactPos_HwDeg_M_f32   | 999.140015                        |
| EOTActuatorMng_FiltEOTGainSV_HwNm_M_u1p31 | 1352914698                        |
| EOTActuatorMng_FiltHWTrqSV_HwNm_M_s7p24   | 37245420                          |
| EOTActuatorMng_PrevEOTGain_Uls_M_f32      | 0.639999986                       |
| EOTActuatorMng_SESState_Uls_M_enum        | SES_NORMAL                        |
| Rte_Inst_Ap_EOTActuatorMng                | target_Rte_Inst_Ap_EOTActuatorMng |
| k_EOTActiveRegionBypassMaxThresh_Uls_f32  | 0.372000009                       |
| k_EOTDefltPosition_HwDeg_u12p4            | 1776                              |
| k_EOTDeltaTrqThrsh_HwNm_u9p7              | 256                               |
| k_EOTDynConf_Uls_u8p8                     | 20480                             |
| k_EOTEnterLPFKn_Cnt_u16                   | 400                               |
| k_EOTExitLPFKn_Cnt_u16                    | 888                               |
| k_EOTImpSpdEn_Kph_u9p7                    | 6272                              |
| k_EOTOriginalImpactandSoftEnd_Cnt_lgc     | 0                                 |
| k_EOTPosDepDempFinalSlew_MtrNmpS_T_f32    | 0                                 |
| k_EOTStateHwTrqLPFKn_Cnt_u16              | 4444                              |
| k_MaxRackTrvl_HwDeg_u12p4                 | 14208                             |
| k_MinRackTrvl_HwDeg_u12p4                 | 6160                              |
| k_PosRampStep_HwDeg_u12p4                 | 7456                              |
| k_SoftStopEOTEnable_Cnt_lgc               | 1                                 |
| k_SpdlptScale_MtrNmpRadpS_u4p12           | 83                                |
| t2_EOTEnterGainX_HwDeg_u12p4[0][0]        | 1440                              |
| t2_EOTEnterGainX_HwDeg_u12p4[0][1]        | 1632                              |
| t2_EOTEnterGainX_HwDeg_u12p4[0][2]        | 1776                              |
| t2_EOTEnterGainX_HwDeg_u12p4[0][3]        | 2400                              |
| t2_EOTEnterGainX_HwDeg_u12p4[1][0]        | 592                               |
| t2_EOTEnterGainX_HwDeg_u12p4[1][1]        | 1760                              |
| t2_EOTEnterGainX_HwDeg_u12p4[1][2]        | 1776                              |
| t2_EOTEnterGainX_HwDeg_u12p4[1][3]        | 1792                              |
| t2_EOTEnterGainX_HwDeg_u12p4[2][0]        | 1232                              |
| t2_EOTEnterGainX_HwDeg_u12p4[2][1]        | 3680                              |
| t2_EOTEnterGainX_HwDeg_u12p4[2][2]        | 3696                              |
| t2_EOTEnterGainX_HwDeg_u12p4[2][3]        | 3712                              |
| t2_EOTEnterGainX_HwDeg_u12p4[3][0]        | 1872                              |

2015-06-29, 18:31:27+0530



| LOTTICIDATIONING_FOFT  |   |
|--|---|
| Name   | Input Value   |
| t2_EOTEnterGainX_HwDeg_u12p4[3][1]   | 5600  |
| t2_EOTEnterGainX_HwDeg_u12p4[3][2]   | 5616  |
| t2_EOTEnterGainX_HwDeg_u12p4[3][3]   | 5632  |
| t2_EOTEnterGainY_Uls_u1p15[0][0]   | 6   |
| t2_EOTEnterGainY_Uls_u1p15[0][1]   | 69  |
| t2_EOTEnterGainY_Uls_u1p15[0][2]   | 7   |
| t2_EOTEnterGainY_Uls_u1p15[0][3]   | 668   |
| t2_EOTEnterGainY_Uls_u1p15[1][0]   | 7   |
| t2_EOTEnterGainY_Uls_u1p15[1][1]   | 8   |
| t2_EOTEnterGainY_Uls_u1p15[1][2]   | 98  |
| t2_EOTEnterGainY_Uls_u1p15[1][3]   | 954   |
| t2_EOTEnterGainY_Uls_u1p15[2][0]   | 859   |
| t2_EOTEnterGainY_Uls_u1p15[2][1]   | 88  |
| t2_EOTEnterGainY_Uls_u1p15[2][2]   | 7   |
| t2_EOTEnterGainY_Uls_u1p15[2][3]   | 8   |
| t2_EOTEnterGainY_Uls_u1p15[3][0]   | 1429  |
| 12_EOTEnterGainY_Uls_u1p15[3][1]   | 147   |
| t2_EOTEnterGainY_Uls_u1p15[3][2]   | 9   |
| t2 EOTEnterGainY Uls u1p15[3][3]   | 10  |
| t2_EOTEXPosDepDmpTblY_MtrNmpRadps_u0p16[0][0]  | 107   |
| t2_EOTEXPOSDepDripToH_MtrNmpRadps_uopTo[0][0] t2_EOTEXPosDepDmpTblY_MtrNmpRadps_u0p16[0][1]  | 151   |
|  | 183   |
| t2_EOTExPosDepDmpTblY_MtrNmpRadps_u0p16[1][0]  |   |
| t2_EOTExPosDepDmpTblY_MtrNmpRadps_u0p16[1][1]  | 259   |
| t2_EOTExPosDepDmpTblY_MtrNmpRadps_u0p16[2][0]  | 183   |
| t2_EOTExPosDepDmpTblY_MtrNmpRadps_u0p16[2][1]  | 259   |
| t2_EOTExPosDepDmpTblY_MtrNmpRadps_u0p16[3][0]  | 137   |
| t2_EOTExPosDepDmpTblY_MtrNmpRadps_u0p16[3][1]  | 194   |
| t2_EOTPosDepDmpTbIX_HwDeg_u12p4[0][0]  | 672   |
| t2_EOTPosDepDmpTbIX_HwDeg_u12p4[0][1]  | 1232  |
| t2_EOTPosDepDmpTbIX_HwDeg_u12p4[1][0]  | 752   |
| t2_EOTPosDepDmpTblX_HwDeg_u12p4[1][1]  | 1136  |
| t2_EOTPosDepDmpTbIX_HwDeg_u12p4[2][0]  | 864   |
| t2_EOTPosDepDmpTbIX_HwDeg_u12p4[2][1]  | 4128  |
| t2_EOTPosDepDmpTbIX_HwDeg_u12p4[3][0]  | 512   |
| t2_EOTPosDepDmpTblX_HwDeg_u12p4[3][1]  | 656   |
| t2_EOTPosDepDmpTblY_MtrNmpRadpS_u0p16[0][0]  | 151   |
| t2_EOTPosDepDmpTblY_MtrNmpRadpS_u0p16[0][1]  | 939   |
| t2_EOTPosDepDmpTblY_MtrNmpRadpS_u0p16[1][0]  | 345   |
| t2_EOTPosDepDmpTblY_MtrNmpRadpS_u0p16[1][1]  | 243   |
| t2_EOTPosDepDmpTblY_MtrNmpRadpS_u0p16[2][0]  | 168   |
| t2_EOTPosDepDmpTbIY_MtrNmpRadpS_u0p16[2][1]  | 237   |
| t2_EOTPosDepDmpTbIY_MtrNmpRadpS_u0p16[3][0]  | 77  |
| t2_EOTPosDepDmpTblY_MtrNmpRadpS_u0p16[3][1]  | 110   |
| t_EOTDmpVspd_Kph_u9p7[0]   | 4736  |
| t_EOTDmpVspd_Kph_u9p7[1]   | 14080   |
| t_EOTDmpVspd_Kph_u9p7[2]   | 14208   |
| t_EOTDmpVspd_Kph_u9p7[3]   | 14336   |
| t_EOTEnterGainVspd_Kph_u9p7[0]   | 4736  |
| t EOTEnterGainVspd Kph u9p7[1]   | 14080   |
| t EOTEnterGainVspd Kph u9p7[2]   | 14208   |
| t EOTEnterGainVspd Kph u9p7[3]   | 14336   |
| t_SpdIptTbiXTbi_HwDeg_u12p4[0]   | 112   |
| t SpdlptTblXTbl HwDeg u12p4[1]   | 336   |
| t_SpdlptTbl/YTbl_MtrRadpS_u12p4[0]   | 512   |
| t_SpdiptTbl/MtrRadpS_u12p4[0]  | 656   |
| t_TrqTableX_HwNm_u8p8[0]   | 0   |
| t_TrqTableX_HwNm_u8p8[1]   | 512   |
|  | 49  |
| t_TrqTblY_Uls_u2p14[0]   | 131   |
| t_TrqTblY_Uls_u2p14[1]   |   |
| target_EOTActuatorMng_Per1_CcwEOT_HwDeg_f32.value  | -444.160004<br>0                                      |
| target_EOTActuatorMng_Per1_CcwFound_Cnt_Igc.value  |   |
| target_EOTActuatorMng_Per1_CwEOT_HwDeg_f32.value   | 1000  |
| target_EOTActuatorMng_Per1_CwFound_Cnt_lgc.value   |   |
| target_EOTActuatorMng_Per1_EOTDisable_Cnt_lgc.value  | 1   |
| target_EOTActuatorMng_Per1_HandWheelAuth_Uls_f32.value   | 0.879999995   |
| target_EOTActuatorMng_Per1_HandWheelPos_HwDeg_f32.value  | -400.350006   |
| target_EOTActuatorMng_Per1_HwTorque_HwNm_f32.value   | 2.2999995   |
| target_EOTActuatorMng_Per1_MotorVel_MtrRadpS_f32.value   | -0.800000012  |
| target_EOTActuatorMng_Per1_OutputRampMultLtd_Uls_f32.value   | 0.541000009   |
| target_EOTActuatorMng_Per1_VehicleSpeed_Kph_f32.value  | 19.0499992  |
| $target\_Rte\_Inst\_Ap\_EOTActuatorMng.EOTActuatorMng\_Per1\_AssistEOTDamping\_Per1\_AssisTEOTDamping\_Per1\_AssisTEOTD$   | target_EOTActuatorMng_Per1_AssistEOTDamping_MtrNm_f32 |
| $target\_Rte\_Inst\_Ap\_EOTActuatorMng.EOTActuatorMng\_Per1\_AssistEOTGain\_Uls\_AssisTEOTGain\_Uls\_AssisTEOTGAIN\_Uls\_AssisTEOTG$ | target_EOTActuatorMng_Per1_AssistEOTGain_Uls_f32      |
| target_Rte_Inst_Ap_EOTActuatorMng.EOTActuatorMng_Per1_AssistEOTLimit_Mtrl  | target_EOTActuatorMng_Per1_AssistEOTLimit_MtrNm_f32   |
|  |   |

EOTActuatorMng\_Per1

2015-06-29, 18:31:27+0530



2015-06-29, 18:31:27+0530



| EOTACIDATIONING_PELL   | (WAC)(M     |
|--|-------------|
| Name   | Input Value |
| 2_EOTEnterGainX_HwDeg_u12p4[1][3]                            | 1840        |
| 2_EOTEnterGainX_HwDeg_u12p4[2][0]                            | 1248        |
| 2_EOTEnterGainX_HwDeg_u12p4[2][1]                            | 3728        |
| 2_EOTEnterGainX_HwDeg_u12p4[2][2]                            | 3744        |
| 2_EOTEnterGainX_HwDeg_u12p4[2][3]                            | 3760        |
| 2_EOTEnterGainX_HwDeg_u12p4[3][0]                            | 1888        |
| 2_EOTEnterGainX_HwDeg_u12p4[3][1]                            | 5648        |
| 2_EOTEnterGainX_HwDeg_u12p4[3][2]                            | 5664        |
| 2_EOTEnterGainX_HwDeg_u12p4[3][3]                            | 5680        |
| 2_EOTEnterGainY_Uls_u1p15[0][0]                              | 7           |
| 2_EOTEnterGainY_Uls_u1p15[0][1]                              | 7           |
| 2_EOTEnterGainY_Uls_u1p15[0][2]                              | 78          |
| 2_EOTEnterGainY_Uls_u1p15[0][3]                              | 763         |
| 2_EOTEnterGainY_Uls_u1p15[1][0]                              | 8           |
| 2_EOTEIRE/GainY_Uls_u1p15[1][1]                              | 8           |
|  | 108         |
| 12_EOTEnterGainY_Uls_u1p15[1][2]                             | 1049        |
| 2_EOTEnterGainY_Uls_u1p15[1][3]                              |             |
| 2_EOTEnterGainY_Uls_u1p15[2][0]                              | 954         |
| 2_EOTEnterGainY_Uls_u1p15[2][1]                              | 98          |
| 2_EOTEnterGainY_Uls_u1p15[2][2]                              | 7           |
| 2_EOTEnterGainY_Uls_u1p15[2][3]                              | 8           |
| 2_EOTEnterGainY_Uls_u1p15[3][0]                              | 1524        |
| t2_EOTEnterGainY_Uls_u1p15[3][1]                             | 157         |
| 2_EOTEnterGainY_Uls_u1p15[3][2]                              | 9           |
| 2_EOTEnterGainY_Uls_u1p15[3][3]                              | 10          |
| t2_EOTExPosDepDmpTblY_MtrNmpRadps_u0p16[0][0]                | 122         |
| 2_EOTExPosDepDmpTblY_MtrNmpRadps_u0p16[0][1]                 | 173         |
| 2 EOTExPosDepDmpTblY MtrNmpRadps u0p16[1][0]                 | 198         |
| 2_EOTExPosDepDmpTblY_MtrNmpRadps_u0p16[1][1]                 | 280         |
| 2_EOTExPosDepDmpTblY_MtrNmpRadps_u0p16[2][0]                 | 198         |
| 2_EOTExPosDepDmpTblY_MtrNmpRadps_u0p16[2][1]                 | 280         |
| 2_EOTEXPOSDepDmpTblY_MtrNmpRadps_u0p16[3][0]                 | 153         |
|  |             |
| 2_EOTExPosDepDmpTblY_MtrNmpRadps_u0p16[3][1]                 | 216         |
| I2_EOTPosDepDmpTbIX_HwDeg_u12p4[0][0]                        | 704         |
| 12_EOTPosDepDmpTbIX_HwDeg_u12p4[0][1]                        | 1248        |
| t2_EOTPosDepDmpTblX_HwDeg_u12p4[1][0]                        | 768         |
| t2_EOTPosDepDmpTblX_HwDeg_u12p4[1][1]                        | 1152        |
| 2_EOTPosDepDmpTblX_HwDeg_u12p4[2][0]                         | 896         |
| t2_EOTPosDepDmpTbIX_HwDeg_u12p4[2][1]                        | 4144        |
| t2_EOTPosDepDmpTbIX_HwDeg_u12p4[3][0]                        | 528         |
| t2_EOTPosDepDmpTblX_HwDeg_u12p4[3][1]                        | 672         |
| t2_EOTPosDepDmpTblY_MtrNmpRadpS_u0p16[0][0]                  | 173         |
| t2_EOTPosDepDmpTblY_MtrNmpRadpS_u0p16[0][1]                  | 958         |
| 12 EOTPosDepDmpTblY MtrNmpRadpS u0p16[1][0]                  | 366         |
| 2_EOTPosDepDmpTblY_MtrNmpRadpS_u0p16[1][1]                   | 259         |
| 2 EOTPosDepDmpTblY MtrNmpRadpS u0p16[2][0]                   | 183         |
| 2 EOTPosDepDmpTblY MtrNmpRadpS u0p16[2][1]                   | 259         |
|  | 112         |
| 2_EOTPosDepDmpTblY_MtrNmpRadpS_u0p16[3][0]                   |             |
| 2_EOTPosDepDmpTblY_MtrNmpRadpS_u0p16[3][1]                   | 788         |
| _EOTDmpVspd_Kph_u9p7[0]                                      | 4864        |
| _EOTDmpVspd_Kph_u9p7[1]                                      | 14464       |
| _EOTDmpVspd_Kph_u9p7[2]                                      | 14592       |
| _EOTDmpVspd_Kph_u9p7[3]                                      | 14720       |
| _EOTEnterGainVspd_Kph_u9p7[0]                                | 4864        |
| _EOTEnterGainVspd_Kph_u9p7[1]                                | 14464       |
| _EOTEnterGainVspd_Kph_u9p7[2]                                | 14592       |
| _EOTEnterGainVspd_Kph_u9p7[3]                                | 14720       |
| SpdlptTblXTbl_HwDeg_u12p4[0]                                 | 96          |
| population   | 352         |
| SpdlptTblYTbl MtrRadpS u12p4[0]                              | 528         |
| _spdlptTblYTbl_MtrRadpS_u12p4[1]                             | 672         |
| _SpaiptroiTroi_Mitroadp3_u12p4[1]<br>_TrqTableX_HwNm_u8p8[0] | 256         |
|  | 1792        |
| _TrqTableX_HwNm_u8p8[1]                                      |             |
| _TrqTblY_Uls_u2p14[0]  | 66          |
| _TrqTblY_Uls_u2p14[1]  | 147         |
| arget_EOTActuatorMng_Per1_CcwEOT_HwDeg_f32.value             | -1440.10999 |
| arget_EOTActuatorMng_Per1_CcwFound_Cnt_lgc.value             | 0           |
| arget_EOTActuatorMng_Per1_CwEOT_HwDeg_f32.value              | 100.054001  |
| arget_EOTActuatorMng_Per1_CwFound_Cnt_lgc.value              | 1.          |
| arget_EOTActuatorMng_Per1_EOTDisable_Cnt_lgc.value           | 0           |
| arget_EOTActuatorMng_Per1_HandWheelAuth_Uls_f32.value        | 0.550000012 |
| <u> </u>   |             |
| target_EOTActuatorMng_Per1_HandWheelPos_HwDeg_f32.value      | -400.450012 |



| Name   | Input Value   |  |        |
|--|---|--|--------|
| target_EOTActuatorMng_Per1_MotorVel_MtrRadpS_f32.value   | 0.109999999   |  |        |
| target_EOTActuatorMng_Per1_OutputRampMultLtd_Uls_f32.value   | 0.437000006   |  |        |
| target_EOTActuatorMng_Per1_VehicleSpeed_Kph_f32.value  | 1.11000001  |  |        |
| target_Rte_Inst_Ap_EOTActuatorMng.EOTActuatorMng_Per1_AssistEOTDamping_  | target_EOTActuatorMng_Per1_AssistEOTDa                  | mping_MtrNm_f32                            |        |
| target_Rte_Inst_Ap_EOTActuatorMng.EOTActuatorMng_Per1_AssistEOTGain_Uls_   | target_EOTActuatorMng_Per1_AssistEOTGa                  | in_Uls_f32                                 |        |
| target_Rte_Inst_Ap_EOTActuatorMng.EOTActuatorMng_Per1_AssistEOTLimit_Mtr1  | target_EOTActuatorMng_Per1_AssistEOTLin                 | nit_MtrNm_f32                              |        |
| target Rte Inst Ap EOTActuatorMng.EOTActuatorMng Per1 CcwEOT HwDeg f3  | target_EOTActuatorMng_Per1_CcwEOT_Hw                    | Deg_f32                                    |        |
| $target\_Rte\_Inst\_Ap\_EOTActuatorMng.EOTActuatorMng\_Per1\_CcwFound\_Cnt\_Igc$   | target_EOTActuatorMng_Per1_CcwFound_C                   | :nt_lgc                                    |        |
| target_Rte_Inst_Ap_EOTActuatorMng.EOTActuatorMng_Per1_CwEOT_HwDeg_f32  | target_EOTActuatorMng_Per1_CwEOT_HwD                    | 0eg_f32                                    |        |
| $target\_Rte\_Inst\_Ap\_EOTActuatorMng.EOTActuatorMng\_Per1\_CwFound\_Cnt\_lgc$  | target_EOTActuatorMng_Per1_CwFound_Cr                   | target_EOTActuatorMng_Per1_CwFound_Cnt_lgc |        |
| target_Rte_Inst_Ap_EOTActuatorMng.EOTActuatorMng_Per1_EOTDisable_Cnt_lgc   | gc target_EOTActuatorMng_Per1_EOTDisable_Cnt_lgc        |  |        |
| $target\_Rte\_Inst\_Ap\_EOTActuatorMng.EOTActuatorMng\_Per1\_HandWheelAuth\_Ulstarget\_Rte\_Inst\_Ap\_EOTActuatorMng.EOTActuatorMng\_Per1\_HandWheelAuth\_Ulstarget\_Rte\_Inst\_Ap\_EOTActuatorMng.EOTActuatorMng\_Per1\_HandWheelAuth\_Ulstarget\_Rte\_Inst\_Ap\_EOTActuatorMng.EOTActuatorMng\_Per1\_HandWheelAuth\_Ulstarget\_Rte\_Inst\_Ap\_EOTActuatorMng.EOTActuatorMng\_Per1\_HandWheelAuth\_Ulstarget\_Rte\_Inst\_Ap\_EOTActuatorMng.EOTAc$  | Uls target_EOTActuatorMng_Per1_HandWheelAuth_Uls_f32    |  |        |
| target_Rte_Inst_Ap_EOTActuatorMng.EOTActuatorMng_Per1_HandWheelPos_Hwl   | wl target_EOTActuatorMng_Per1_HandWheelPos_HwDeg_f32    |  |        |
| $target\_Rte\_Inst\_Ap\_EOTActuatorMng.EOTActuatorMng\_Per1\_HwTorque\_HwNm\_fractuatorMng\_Per1\_HwNm_fractuatorMng\_Per1\_HwMDorque\_Hw$ | f target_EOTActuatorMng_Per1_HwTorque_HwNm_f32          |  |        |
| target_Rte_Inst_Ap_EOTActuatorMng.EOTActuatorMng_Per1_MotorVel_MtrRadpS  |   |  |        |
| target Rte Inst Ap EOTActuatorMng.EOTActuatorMng Per1 OutputRampMultLtd  | td target_EOTActuatorMng_Per1_OutputRampMultLtd_Uls_f32 |  |        |
| $target\_Rte\_Inst\_Ap\_EOTActuatorMng.EOTActuatorMng\_Per1\_VehicleSpeed\_Kph\_inst\_Ap\_EOTActuatorMng\_Per1\_VehicleSpeed\_Kph\_inst\_Ap\_EOTActuatorMng\_Per1\_VehicleSpeed\_Kph\_inst\_Ap\_EOTActuatorMng\_Per1\_VehicleSpeed\_Kph\_inst\_Ap\_EOTActuatorMng\_Per1\_VehicleSpeed\_Kph\_inst\_Ap\_EOTActuatorMng\_Per1\_VehicleSpeed\_Kph\_inst\_Ap\_EOTActuatorMng\_Per1\_VehicleSpeed\_Kph\_inst\_Ap\_EOTActuatorMng\_Per1\_VehicleSpeed\_Kph\_inst\_Ap\_EOTActuatorMng\_Per1\_VehicleSpeed\_Kph\_inst\_Ap\_EOTActuatorMng\_Per1\_VehicleSpeed\_Kph\_inst\_Ap\_EOTActuatorMng\_Per1\_VehicleSpeed\_Kph\_inst\_Ap\_EOTActuatorMng\_Per1\_VehicleSpeed\_Kph\_instAp\_EOTActuatorMng\_EOTActu$                       | target_EOTActuatorMng_Per1_VehicleSpeed_Kph_f32         |  |        |
| Name   | Actual Value  | Expected Value                             | Result |
| EOTActuatorMng Damping MtrNm M f32   | 0.399999857   | 0.400000006 ± 0.0000390625                 | ~      |

| Name  | Actual Value | Expected Value              | Result |
|---|--------------|-----------------------------|--------|
| EOTActuatorMng_Damping_MtrNm_M_f32                          | 0.39999857   | 0.400000006 ± 0.0000390625  | ~      |
| EOTActuatorMng_EOTImpactPos_HwDeg_M_f32                     | 222          | 222 ± 0.0000390625          | ~      |
| EOTActuatorMng_FiltEOTGainSV_HwNm_M_u1p31                   | 491889339    | 491889339 ± 1               | ~      |
| EOTActuatorMng_FiltHWTrqSV_HwNm_M_s7p24                     | 154177406    | 154177406 ± 1               | ~      |
| EOTActuatorMng_OutputRampMultLtd_M_f32                      | 0.437000006  | 0.437000006 ± 0.00390625    | ~      |
| EOTActuatorMng_PrevEOTGain_Uls_M_f32                        | 0.229034424  | 0.229034424 ± 0.0625        | ~      |
| EOTActuatorMng_SESState_Uls_M_enum                          | SES_DISABLED | SES_DISABLED                | ~      |
| target_EOTActuatorMng_Per1_AssistEOTDamping_MtrNm_f32.value | 0.39999857   | 0.400000006 ± 0.00048828125 | ~      |
| target_EOTActuatorMng_Per1_AssistEOTGain_Uls_f32.value      | 0.229034424  | 0.229034424 ± 0.0000390625  | ~      |
| target_EOTActuatorMng_Per1_AssistEOTLimit_MtrNm_f32.value   | 0.666472137  | 0.666472197 ± 0.00048828125 | ~      |

| T  |       |  |       | <b>✓</b> |
|--|-------|--|-------|----------|
| Actual Function                                    | Count | Expected Function                                  | Count | Result   |
| Rte_Call_EOTActuatorMng_Per1_CP0_CheckpointReached | 1     | Rte_Call_EOTActuatorMng_Per1_CP0_CheckpointReached | 1     | ~        |
| EOTDetermination                                   | 1     | EOTDetermination                                   | 1     | ~        |
| EOTOrigImpact                                      | 1     | EOTOrigImpact                                      | 1     | ~        |
| IntplVarXY_u16_u16Xu16Y_Cnt                        | 1     | IntplVarXY_u16_u16Xu16Y_Cnt                        | 1     | ~        |
| SES_DetLmtPos                                      | 1     | SES_DetLmtPos                                      | 1     | ~        |
| SES_CalcExitGain                                   | 1     | SES_CalcExitGain                                   | 1     | ~        |
| IntplVarXY_u16_u16Xu16Y_Cnt                        | 1     | IntplVarXY_u16_u16Xu16Y_Cnt                        | 1     | ~        |
| SES_CalcEnterGain                                  | 1     | SES_CalcEnterGain                                  | 1     | ~        |
| BilinearXMYM_u16_u16XMu16YM_Cnt                    | 1     | BilinearXMYM_u16_u16XMu16YM_Cnt                    | 1     | -        |
| SES_CalcEOTGain                                    | 1     | SES_CalcEOTGain                                    | 1     | ~        |
| SES_FiltEOTGain                                    | 1     | SES_FiltEOTGain                                    | 1     | ~        |
| SES_CalcEOTDamp                                    | 1     | SES_CalcEOTDamp                                    | 1     | ~        |
| BilinearXMYM_u16_u16XMu16YM_Cnt                    | 1     | BilinearXMYM_u16_u16XMu16YM_Cnt                    | 1     | ~        |
| SES_StateCtrl                                      | 1     | SES_StateCtrl                                      | 1     | ~        |
| Rte Call EOTActuatorMng Per1 CP1 CheckpointReached | 1     | Rte Call EOTActuatorMng Per1 CP1 CheckpointReached | 1     | <b>V</b> |

| Test Step 2.61 (Repeat Count = 1)         | 🗸                                 |
|---|-----------------------------------|
| Name                                      | Input Value                       |
| EOTActuatorMng_Damping_MtrNm_M_f32        | 4.5999999                         |
| EOTActuatorMng_EOTImpactPos_HwDeg_M_f32   | 555.469971                        |
| EOTActuatorMng_FiltEOTGainSV_HwNm_M_u1p31 | 279172874                         |
| EOTActuatorMng_FiltHWTrqSV_HwNm_M_s7p24   | -142606336                        |
| EOTActuatorMng_PrevEOTGain_Uls_M_f32      | 0.860000014                       |
| EOTActuatorMng_SESState_Uls_M_enum        | SES_NORMAL                        |
| Rte_Inst_Ap_EOTActuatorMng                | target_Rte_Inst_Ap_EOTActuatorMng |
| k_EOTActiveRegionBypassMaxThresh_Uls_f32  | 0.99000001                        |
| k_EOTDefltPosition_HwDeg_u12p4            | 5328                              |
| k_EOTDeltaTrqThrsh_HwNm_u9p7              | 1152                              |
| k_EOTDynConf_Uls_u8p8                     | 25600                             |
| k_EOTEnterLPFKn_Cnt_u16                   | 200                               |
| k_EOTExitLPFKn_Cnt_u16                    | 2345                              |
| k_EOTImpSpdEn_Kph_u9p7                    | 6528                              |
| k_EOTOriginalImpactandSoftEnd_Cnt_lgc     | 0                                 |
| k_EOTPosDepDempFinalSlew_MtrNmpS_T_f32    | 400                               |
| k_EOTStateHwTrqLPFKn_Cnt_u16              | 2222                              |
| k_MaxRackTrvl_HwDeg_u12p4                 | 16000                             |
| k_MinRackTrvl_HwDeg_u12p4                 | 6192                              |
| k_PosRampStep_HwDeg_u12p4                 | 2624                              |
| k_SoftStopEOTEnable_Cnt_lgc               | 1                                 |

2015-06-29, 18:31:27+0530



| EOTACtuatoriving_Peri                        | - Control of the cont |
|--|--|
| Name   | Input Value  |
| c_SpdlptScale_MtrNmpRadpS_u4p12              | 84   |
| 2_EOTEnterGainX_HwDeg_u12p4[0][0]            | 160  |
| 2_EOTEnterGainX_HwDeg_u12p4[0][1]            | 352  |
| 2_EOTEnterGainX_HwDeg_u12p4[0][2]            | 480  |
| 2_EOTEnterGainX_HwDeg_u12p4[0][3]            | 720  |
| 2_EOTEnterGainX_HwDeg_u12p4[1][0]            | 624  |
| 2_EOTEnterGainX_HwDeg_u12p4[1][1]            | 1856   |
| 2_EOTEnterGainX_HwDeg_u12p4[1][2]            | 1872   |
| 2_EOTEnterGainX_HwDeg_u12p4[1][3]            | 1888   |
| 2_EOTEnterGainX_HwDeg_u12p4[2][0]            | 1264   |
| 2_EOTEnterGainX_HwDeg_u12p4[2][1]            | 3776   |
| 2_EOTEnterGainX_HwDeg_u12p4[2][2]            | 3792   |
| 2_EOTEnterGainX_HwDeg_u12p4[2][3]            | 3808   |
| 2_EOTEnterGainX_HwDeg_u12p4[3][0]            | 1904   |
| 2_EOTEnterGainX_HwDeg_u12p4[3][1]            | 5696   |
| 2_EOTEnterGainX_HwDeg_u12p4[3][2]            | 5712   |
| 2_EOTEnterGainX_HwDeg_u12p4[3][3]            | 5728   |
| 2_EOTEnterGainY_Uls_u1p15[0][0]              | 7  |
| 2 EOTEnterGainY Uls u1p15[0][1]              | 8  |
|  | 88   |
| 2_EOTEnterGainY_Uls_u1p15[0][2]              |  |
| 2_EOTEnterGainY_Uls_u1p15[0][3]              | 859  |
| 2_EOTEnterGainY_Uls_u1p15[1][0]              | 8  |
| 2_EOTEnterGainY_Uls_u1p15[1][1]              | 9  |
| 2_EOTEnterGainY_Uls_u1p15[1][2]              | 118  |
| 2_EOTEnterGainY_Uls_u1p15[1][3]              | 1144   |
| 2_EOTEnterGainY_Uls_u1p15[2][0]              | 1049   |
| 2_EOTEnterGainY_Uls_u1p15[2][1]              | 108  |
| 2_EOTEnterGainY_Uls_u1p15[2][2]              | 8  |
| 2_EOTEnterGainY_Uls_u1p15[2][3]              | 8  |
| 2_EOTEnterGainY_Uls_u1p15[3][0]              | 1619   |
| 2_EOTEnterGainY_Uls_u1p15[3][1]              | 167  |
| 2_EOTEnterGainY_Uls_u1p15[3][2]              | 10   |
| 2_EOTEnterGainY_Uls_u1p15[3][3]              | 10   |
| 2_EOTExPosDepDmpTblY_MtrNmpRadps_u0p16[0][0] | 137  |
| 2_EOTExPosDepDmpTblY_MtrNmpRadps_u0p16[0][1] | 194  |
| 2_EOTExPosDepDmpTblY_MtrNmpRadps_u0p16[1][0] | 213  |
| 2_EOTExPosDepDmpTblY_MtrNmpRadps_u0p16[1][1] | 302  |
| 2_EOTExPosDepDmpTblY_MtrNmpRadps_u0p16[2][0] | 213  |
| 2_EOTExPosDepDmpTblY_MtrNmpRadps_u0p16[2][1] | 302  |
| 2_EOTExPosDepDmpTblY_MtrNmpRadps_u0p16[3][0] | 168  |
| 2_EOTExPosDepDmpTblY_MtrNmpRadps_u0p16[3][1] | 237  |
| 2_EOTPosDepDmpTblX_HwDeg_u12p4[0][0]         | 736  |
| 2_EOTPosDepDmpTbIX_HwDeg_u12p4[0][1]         | 1264   |
| 2_EOTPosDepDmpTbIX_HwDeg_u12p4[1][0]         | 784  |
| corposDepDmpTblX_HwDeg_u12p4[1][1]           | 1168   |
| 2_EOTPosDepDmpTblX_HwDeg_u12p4[2][0]         | 928  |
|  | 4160   |
| 2_EOTPosDepDmpTblX_HwDeg_u12p4[2][1]         |  |
| 2_EOTPosDepDmpTblX_HwDeg_u12p4[3][0]         | 544  |
| 2_EOTPosDepDmpTblX_HwDeg_u12p4[3][1]         | 688  |
| 2_EOTPosDepDmpTblY_MtrNmpRadpS_u0p16[0][0]   | 194  |
| 2_EOTPosDepDmpTblY_MtrNmpRadpS_u0p16[0][1]   | 715  |
| 2_EOTPosDepDmpTblY_MtrNmpRadpS_u0p16[1][0]   | 388  |
| 2_EOTPosDepDmpTblY_MtrNmpRadpS_u0p16[1][1]   | 274  |
| 2_EOTPosDepDmpTblY_MtrNmpRadpS_u0p16[2][0]   | 198  |
| 2_EOTPosDepDmpTblY_MtrNmpRadpS_u0p16[2][1]   | 280  |
| 2_EOTPosDepDmpTblY_MtrNmpRadpS_u0p16[3][0]   | 114  |
| 2_EOTPosDepDmpTblY_MtrNmpRadpS_u0p16[3][1]   | 804  |
| _EOTDmpVspd_Kph_u9p7[0]                      | 4992   |
| _EOTDmpVspd_Kph_u9p7[1]                      | 14848  |
| _EOTDmpVspd_Kph_u9p7[2]                      | 14976  |
| _EOTDmpVspd_Kph_u9p7[3]                      | 15104  |
| _EOTEnterGainVspd_Kph_u9p7[0]                | 4992   |
| EOTEnterGainVspd_Kph_u9p7[1]                 | 14848  |
| EOTEnterGainVspd_Kph_u9p7[2]                 | 14976  |
| _EOTEnterGainVspd_Kph_u9p7[3]                | 15104  |
| _SpdlptTblXTbl_HwDeg_u12p4[0]                | 80   |
| _SpdlptTblXTbl_HwDeg_u12p4[1]                | 368  |
|  | 544  |
| _SpdlptTblYTbl_MtrRadpS_u12p4[0]             |  |
| _SpdlptTblYTbl_MtrRadpS_u12p4[1]             | 688  |
| _TrqTableX_HwNm_u8p8[0]                      | 768  |
| _TrqTableX_HwNm_u8p8[1]                      | 1536   |
| _TrqTbIY_Uls_u2p14[0]                        | 82   |
| t_TrqTblY_Uls_u2p14[1]                       | 164  |

EOTActuatorMng\_PrevEOTGain\_Uls\_M\_f32

target\_EOTActuatorMng\_Per1\_AssistEOTDamping\_MtrNm\_f32.value

 $target\_EOTActuatorMng\_Per1\_AssistEOTGain\_Uls\_f32.value$ 

 $target\_EOTActuatorMng\_Per1\_AssistEOTLimit\_MtrNm\_f32.value$ 

EOTActuatorMng\_SESState\_Uls\_M\_enum

2015-06-29, 18:31:27+0530



EOTActuatorMng\_Per1

| ·   |   |                            |        |  |
|---|---|----------------------------|--------|--|
| Name  | Input Value   |                            |        |  |
| target_EOTActuatorMng_Per1_CcwEOT_HwDeg_f32.value   | 0   |                            |        |  |
| target_EOTActuatorMng_Per1_CcwFound_Cnt_lgc.value   | 0   |                            |        |  |
| target_EOTActuatorMng_Per1_CwEOT_HwDeg_f32.value  | 444.040985  |                            |        |  |
| target_EOTActuatorMng_Per1_CwFound_Cnt_lgc.value  | 0   |                            |        |  |
| target_EOTActuatorMng_Per1_EOTDisable_Cnt_lgc.value   | 1   |                            |        |  |
| target_EOTActuatorMng_Per1_HandWheelAuth_Uls_f32.value  | 0.43999998  |                            |        |  |
| target_EOTActuatorMng_Per1_HandWheelPos_HwDeg_f32.value   | -300.26001  |                            |        |  |
| target_EOTActuatorMng_Per1_HwTorque_HwNm_f32.value  | 4.5   |                            |        |  |
| target_EOTActuatorMng_Per1_MotorVel_MtrRadpS_f32.value  | 0.129999995   |                            |        |  |
| target_EOTActuatorMng_Per1_OutputRampMultLtd_Uls_f32.value  | 0.00400000019   |                            |        |  |
| target_EOTActuatorMng_Per1_VehicleSpeed_Kph_f32.value   | 2.11999989  |                            |        |  |
| $target\_Rte\_Inst\_Ap\_EOTActuatorMng\_EOTActuatorMng\_Per1\_AssistEOTDamping\_Per1\_AssisTEOTDamping\_Per1\_AssisTEOTD$   | target_EOTActuatorMng_Per1_AssistEOTDa                  | mping_MtrNm_f32            |        |  |
| $target\_Rte\_Inst\_Ap\_EOTActuatorMng.EOTActuatorMng\_Per1\_AssistEOTGain\_Uls\_Inst\_Ap\_EOTActuatorMng\_Per1\_AssistEOTGain\_Uls\_Inst\_Ap\_EOTActuatorMng\_Per1\_AssistEOTGain\_Uls\_Inst\_Ap\_EOTActuatorMng\_Per1\_AssistEOTGain\_Uls\_Inst\_Ap\_EOTActuatorMng\_Per1\_AssistEOTGain\_Uls\_Inst\_Ap\_EOTActuatorMng\_Per1\_AssistEOTGain\_Uls\_Inst\_Ap\_EOTActuatorMng\_Per1\_AssistEOTGain\_Uls\_Inst\_Ap\_EOTActuatorMng\_Per1\_AssistEOTGain\_Uls\_Inst\_Ap\_EOTActuatorMng\_Per1\_AssistEOTGain\_Uls\_Inst\_Ap\_EOTActuatorMng\_Per1\_AssistEOTGain\_Uls\_Inst\_Ap\_EOTActuatorMng\_Per1\_AssistEOTGain\_Uls\_InstAp\_EOTActuatorMng\_Per1\_AssistEOTGain\_Uls\_InstAp\_EOTActuatorMng\_Per1\_AssistEOTGain\_Uls\_InstAp\_EOTActuatorMng\_Per1\_AssistEOTGain\_Uls\_InstAp\_EOTActuatorMng\_Per1\_AssistEOTGain\_Uls\_InstAp\_EOTActuatorMng\_Per1\_AssistEOTGain\_Uls\_InstAp\_EOTActuatorMng\_Per1\_AssistEOTGain\_Uls\_InstAp\_EOTActuatorMng\_InstAp\_EOT$                                   | target_EOTActuatorMng_Per1_AssistEOTGa                  | ain_Uls_f32                |        |  |
| $target\_Rte\_Inst\_Ap\_EOTActuatorMng\_EOTActuatorMng\_Per1\_AssistEOTLimit\_Mtr?$   | target_EOTActuatorMng_Per1_AssistEOTLir                 | mit_MtrNm_f32              |        |  |
| target_Rte_Inst_Ap_EOTActuatorMng.EOTActuatorMng_Per1_CcwEOT_HwDeg_f3   | target_EOTActuatorMng_Per1_CcwEOT_Hw                    | /Deg_f32                   |        |  |
| $target\_Rte\_Inst\_Ap\_EOTActuatorMng.EOTActuatorMng\_Per1\_CcwFound\_Cnt\_lgc$  | ind_Cnt_lgc target_EOTActuatorMng_Per1_CcwFound_Cnt_lgc |                            |        |  |
| target_Rte_Inst_Ap_EOTActuatorMng.EOTActuatorMng_Per1_CwEOT_HwDeg_f32   | _HwDeg_f32 target_EOTActuatorMng_Per1_CwEOT_HwDeg_f32   |                            |        |  |
| $target\_Rte\_Inst\_Ap\_EOTActuatorMng.EOTActuatorMng\_Per1\_CwFound\_Cnt\_Igc$   | ActuatorMng.EOTActuatorMng_Per1_CwFound_Cnt_lgc         |                            |        |  |
| $target\_Rte\_Inst\_Ap\_EOTActuatorMng\_EOTActuatorMng\_Per1\_EOTD is able\_Cnt\_lgc \\ target\_EOTActuatorMng\_Per1\_EOTD is able\_Cnt\_lgc \\ target\_EOTActuato$ |   | Cnt_lgc                    |        |  |
| $target\_Rte\_Inst\_Ap\_EOTActuatorMng\_EOTActuatorMng\_Per1\_HandWheelAuth\_Ulstarget\_Rte\_Inst\_Ap\_EOTActuatorMng\_Per1\_HandWheelAuth\_Ulstarget\_Rte\_Inst\_Ap\_EOTActuatorMng\_Per1\_HandWheelAuth\_Ulstarget\_Rte\_Inst\_Ap\_EOTActuatorMng\_Per1\_HandWheelAuth\_Ulstarget\_Rte\_Inst\_Ap\_EOTActuatorMng\_Per1\_HandWheelAuth\_Ulstarget\_Rte\_Inst\_Ap\_EOTActuatorMng\_Per1\_HandWheelAuth\_Ulstarget\_Rte\_Inst\_Ap\_EOTActuatorMng\_Per1\_HandWheelAuth\_Ulstarget\_Rte\_Inst\_Ap\_EOTActuatorMng\_Per1\_HandWheelAuth\_Ulstarget\_Rte\_Inst\_Ap\_EOTActuatorMng\_Per1\_HandWheelAuth\_Ulstarget\_Rte\_Inst\_Ap\_EOTActuatorMng\_Per1\_HandWheelAuth\_Ulstarget\_Rte\_Inst\_Ap\_EOTActuatorMng\_Per1\_HandWheelAuth\_Ulstarget\_Rte\_Inst\_Ap\_EOTActuatorMng\_Per1\_HandWheelAuth\_Ulstarget\_Rte\_Inst_Ap\_EOTActuatorMng\_Per1\_HandWheelAuth\_Ulstarget\_Rte\_Inst_Ap\_EOTActuatorMng\_Per1\_HandWheelAuth\_Ulstarget\_Rte\_Inst_Ap\_EOTActuatorMng\_Per1\_HandWheelAuth\_Rte\_Inst_Ap\_EOTActuatorMng\_Per1\_HandWheelAuth\_Rte\_Inst_Ap\_EOTActuatorMng\_Per1\_HandWheelAuth\_Rte\_Inst_Ap\_EOTActuatorMng\_Per1\_HandWheelAuth\_Rte\_Inst_Ap\_EOTActuatorMng\_Per1\_HandWheelAuth_Rte\_Inst_Ap\_EOTActuatorMng\_Per1\_HandWheelA$                                    | target_EOTActuatorMng_Per1_HandWheelA                   | uth_Uls_f32                |        |  |
| target_Rte_Inst_Ap_EOTActuatorMng.EOTActuatorMng_Per1_HandWheelPos_Hwl  | target_EOTActuatorMng_Per1_HandWheelP                   | os_HwDeg_f32               |        |  |
| $target\_Rte\_Inst\_Ap\_EOTActuatorMng\_EOTActuatorMng\_Per1\_HwTorque\_HwNm\_fractuatorMng\_Per1\_HwNm_fractuatorMng\_Per1\_HwMDorque\_HwNm_fractuatorMng\_Per1\_HwMDorque\_H$        | target_EOTActuatorMng_Per1_HwTorque_H                   | wNm_f32                    |        |  |
| target_Rte_Inst_Ap_EOTActuatorMng.EOTActuatorMng_Per1_MotorVel_MtrRadpS   | target_EOTActuatorMng_Per1_MotorVel_Mt                  | rRadpS_f32                 |        |  |
| $target\_Rte\_Inst\_Ap\_EOTActuatorMng\_EOTActuatorMng\_Per1\_OutputRampMultLtd\_Inst\_Ap\_EOTActuatorMng\_Per1\_OutputRampMultLtd\_Inst\_Ap\_EOTActuatorMng\_Per1\_OutputRampMultLtd\_Inst\_Ap\_EOTActuatorMng\_Per1\_OutputRampMultLtd\_Inst\_Ap\_EOTActuatorMng\_Per1\_OutputRampMultLtd\_Inst\_Ap\_EOTActuatorMng\_Per1\_OutputRampMultLtd\_InstAp\_EOTActuatorMng\_Per1\_Outpu$  | target_EOTActuatorMng_Per1_OutputRamp                   | MultLtd_Uls_f32            |        |  |
| target Rte Inst Ap EOTActuatorMng.EOTActuatorMng Per1 VehicleSpeed Kph  | target_EOTActuatorMng_Per1_VehicleSpeed                 | d_Kph_f32                  |        |  |
| Name  | Actual Value  | Expected Value             | Result |  |
| EOTActuatorMng_Damping_MtrNm_M_f32  | 3.79999995  | 3.79999995 ± 0.0000390625  | ~      |  |
| EOTActuatorMng_EOTImpactPos_HwDeg_M_f32   | 555.469971  | 555.469971 ± 0.0000390625  | ~      |  |
| EOTActuatorMng_FiltEOTGainSV_HwNm_M_u1p31   | 278492874   | 278492874 ± 1              | ~      |  |
| EOTActuatorMng_FiltHWTrqSV_HwNm_M_s7p24   | -140331008  | -140331008 ± 1             | ~      |  |
| EOTActuatorMng_OutputRampMultLtd_M_f32  | 0.0040000019  | 0.00400000019 ± 0.00390625 | ~      |  |
|   |   |                            |        |  |

| T  |       |  |       | <b>✓</b> |
|--|-------|--|-------|----------|
| Actual Function                                    | Count | Expected Function                                  | Count | Result   |
| Rte_Call_EOTActuatorMng_Per1_CP0_CheckpointReached | 1     | Rte_Call_EOTActuatorMng_Per1_CP0_CheckpointReached | 1     | ~        |
| EOTDetermination                                   | 1     | EOTDetermination                                   | 1     | ~        |
| SES_DetLmtPos                                      | 1     | SES_DetLmtPos                                      | 1     | ~        |
| SES_CalcExitGain                                   | 1     | SES_CalcExitGain                                   | 1     | ~        |
| IntplVarXY_u16_u16Xu16Y_Cnt                        | 1     | IntplVarXY_u16_u16Xu16Y_Cnt                        | 1     | ~        |
| SES_CalcEnterGain                                  | 1     | SES_CalcEnterGain                                  | 1     | ~        |
| BilinearXMYM_u16_u16XMu16YM_Cnt                    | 1     | BilinearXMYM_u16_u16XMu16YM_Cnt                    | 1     | -        |
| SES_CalcEOTGain                                    | 1     | SES_CalcEOTGain                                    | 1     | ~        |
| SES_FiltEOTGain                                    | 1     | SES_FiltEOTGain                                    | 1     | -        |
| SES_CalcEOTDamp                                    | 1     | SES_CalcEOTDamp                                    | 1     | ~        |
| BilinearXMYM_u16_u16XMu16YM_Cnt                    | 1     | BilinearXMYM_u16_u16XMu16YM_Cnt                    | 1     | -        |
| SES_StateCtrl                                      | 1     | SES_StateCtrl                                      | 1     | ~        |
| Rte Call EOTActuatorMng Per1 CP1 CheckpointReached | 1     | Rte Call EOTActuatorMng Per1 CP1 CheckpointReached | 1     | _        |

0.129669189

3.79999995

0.129669189

8.80000019

SES\_DISABLED

0.129669189 ± 0.0625

3.79999995 ± 0.00048828125

0.129669189 ± 0.0000390625

8.80000019 ± 0.00048828125

SES\_DISABLED

| Test Step 2.62 (Repeat Count = 1)         | v v v v v v v v v v v v v v v v v v v |
|---|---------------------------------------|
| Name                                      | Input Value                           |
| EOTActuatorMng_Damping_MtrNm_M_f32        | 4.5999999                             |
| EOTActuatorMng_EOTImpactPos_HwDeg_M_f32   | 555.469971                            |
| EOTActuatorMng_FiltEOTGainSV_HwNm_M_u1p31 | 279172874                             |
| EOTActuatorMng_FiltHWTrqSV_HwNm_M_s7p24   | -142606336                            |
| EOTActuatorMng_PrevEOTGain_Uls_M_f32      | 0.860000014                           |
| EOTActuatorMng_SESState_Uls_M_enum        | SES_NORMAL                            |
| Rte_Inst_Ap_EOTActuatorMng                | target_Rte_Inst_Ap_EOTActuatorMng     |
| k_EOTActiveRegionBypassMaxThresh_Uls_f32  | 0.99000001                            |
| k_EOTDefltPosition_HwDeg_u12p4            | 5328                                  |
| k_EOTDeltaTrqThrsh_HwNm_u9p7              | 1152                                  |
| k_EOTDynConf_Uls_u8p8                     | 25600                                 |
| k_EOTEnterLPFKn_Cnt_u16                   | 200                                   |
| k_EOTExitLPFKn_Cnt_u16                    | 2345                                  |
| k_EOTImpSpdEn_Kph_u9p7                    | 6528                                  |
| k_EOTOriginalImpactandSoftEnd_Cnt_lgc     | 0                                     |

2015-06-29, 18:31:27+0530



| Name  | Input Value |  |
|---|-------------|--|
| C EOTPosDepDempFinalSlew MtrNmpS T f32  | 400         |  |
| <pre>c_EOTH 03bcpbcinip inaloicw_inartinipo_1_i32</pre> <pre>c_EOTStateHwTrqLPFKn_Cnt_u16</pre> | 2222        |  |
| C_MaxRackTrvl_HwDeg_u12p4   | 16000       |  |
| MinRackTrvI HwDeg_u12p4   | 6192        |  |
| PosRampStep HwDeg u12p4   | 2624        |  |
| S_SoftStopEOTEnable_Cnt_lgc   | 1           |  |
| SpdlptScale_MtrNmpRadpS_u4p12   | 84          |  |
|   | 160         |  |
| 2_EOTEnterGainX_HwDeg_u12p4[0][0]   | 352         |  |
| 2_EOTEnterGainX_HwDeg_u12p4[0][1]   | 480         |  |
| 2_EOTEnterGainX_HwDeg_u12p4[0][2]   | 720         |  |
| 2_EOTEnterGainX_HwDeg_u12p4[0][3]   |             |  |
| 2_EOTEnterGainX_HwDeg_u12p4[1][0]   | 624         |  |
| 2_EOTEnterGainX_HwDeg_u12p4[1][1]   | 1856        |  |
| 2_EOTEnterGainX_HwDeg_u12p4[1][2]   | 1872        |  |
| 2_EOTEnterGainX_HwDeg_u12p4[1][3]   | 1888        |  |
| 2_EOTEnterGainX_HwDeg_u12p4[2][0]   | 1264        |  |
| 2_EOTEnterGainX_HwDeg_u12p4[2][1]   | 3776        |  |
| 2_EOTEnterGainX_HwDeg_u12p4[2][2]   | 3792        |  |
| 2_EOTEnterGainX_HwDeg_u12p4[2][3]   | 3808        |  |
| 2_EOTEnterGainX_HwDeg_u12p4[3][0]   | 1904        |  |
| 2_EOTEnterGainX_HwDeg_u12p4[3][1]   | 5696        |  |
| 2_EOTEnterGainX_HwDeg_u12p4[3][2]   | 5712        |  |
| 2_EOTEnterGainX_HwDeg_u12p4[3][3]   | 5728        |  |
| 2_EOTEnterGainY_Uls_u1p15[0][0]   | 7           |  |
| 2_EOTEnterGainY_Uls_u1p15[0][1]   | 8           |  |
| 2_EOTEnterGainY_Uls_u1p15[0][2]   | 88          |  |
| 2_EOTEnterGainY_Uls_u1p15[0][3]   | 859         |  |
| 2_EOTEnterGainY_Uls_u1p15[1][0]   | 8           |  |
| 2_EOTEnterGainY_Uls_u1p15[1][1]   | 9           |  |
| 2_EOTEnterGainY_Uls_u1p15[1][2]   | 118         |  |
| 2_EOTEnterGainY_Uls_u1p15[1][3]   | 1144        |  |
| 2_EOTEnterGainY_Uls_u1p15[2][0]   | 1049        |  |
| 2_EOTEnterGainY_Uls_u1p15[2][1]   | 108         |  |
| 2_EOTEnterGainY_Uls_u1p15[2][2]   | 8           |  |
| 2_EOTEnterGainY_Uls_u1p15[2][3]   | 8           |  |
| 2_EOTEnterGainY_Uls_u1p15[3][0]   | 1619        |  |
| 2_EOTEnterGainY_Uls_u1p15[3][1]   | 167         |  |
| 2_EOTEnterGainY_Uls_u1p15[3][2]   | 10          |  |
|   | 10          |  |
| 2 EOTExPosDepDmpTblY MtrNmpRadps u0p16[0][0]  | 137         |  |
| 2_EOTExPosDepDmpTblY_MtrNmpRadps_u0p16[0][1]  | 194         |  |
| 2_EOTEXPOSDepDmpTblY_MtrNmpRadps_u0p16[1][0]  | 213         |  |
| 2_EOTEXPOSDEPDINFIBIT_Markinproadps_u0p16[1][0]   | 302         |  |
| 2_EOTEXPOSDEPDINFIBIT_MitrNmpRadps_u0p16[1][1] 2_EOTEXPOSDEPDINFIBIT_MitrNmpRadps_u0p16[2][0]   | 213         |  |
|   | 302         |  |
| 2_EOTExPosDepDmpTblY_MtrNmpRadps_u0p16[2][1]  |             |  |
| 2_EOTExPosDepDmpTblY_MtrNmpRadps_u0p16[3][0]  | 168         |  |
| 2_EOTExPosDepDmpTblY_MtrNmpRadps_u0p16[3][1]  | 237         |  |
| 2_EOTPosDepDmpTblX_HwDeg_u12p4[0][0]  | 736         |  |
| 2_EOTPosDepDmpTblX_HwDeg_u12p4[0][1]  | 1264        |  |
| 2_EOTPosDepDmpTblX_HwDeg_u12p4[1][0]  | 784         |  |
| 2_EOTPosDepDmpTblX_HwDeg_u12p4[1][1]  | 1168        |  |
| 2_EOTPosDepDmpTblX_HwDeg_u12p4[2][0]  | 928         |  |
| 2_EOTPosDepDmpTblX_HwDeg_u12p4[2][1]  | 4160        |  |
| 2_EOTPosDepDmpTblX_HwDeg_u12p4[3][0]  | 544         |  |
| 2_EOTPosDepDmpTblX_HwDeg_u12p4[3][1]  | 688         |  |
| 2_EOTPosDepDmpTblY_MtrNmpRadpS_u0p16[0][0]  | 194         |  |
| 2_EOTPosDepDmpTblY_MtrNmpRadpS_u0p16[0][1]  | 715         |  |
| 2_EOTPosDepDmpTblY_MtrNmpRadpS_u0p16[1][0]  | 388         |  |
| 2_EOTPosDepDmpTblY_MtrNmpRadpS_u0p16[1][1]  | 274         |  |
| 2_EOTPosDepDmpTblY_MtrNmpRadpS_u0p16[2][0]  | 198         |  |
| 2_EOTPosDepDmpTblY_MtrNmpRadpS_u0p16[2][1]  | 280         |  |
| 2_EOTPosDepDmpTblY_MtrNmpRadpS_u0p16[3][0]  | 114         |  |
| 2_EOTPosDepDmpTblY_MtrNmpRadpS_u0p16[3][1]  | 804         |  |
| _EOTDmpVspd_Kph_u9p7[0]   | 4992        |  |
| _EOTDmpVspd_Kph_u9p7[1]   | 14848       |  |
| _EOTDmpVspd_Kph_u9p7[2]   | 14976       |  |
| _EOTDmpVspd_Kph_u9p7[3]   | 15104       |  |
| _EOTEnterGainVspd_Kph_u9p7[0]   | 4992        |  |
| _EOTEnterGainVspd_Kph_u9p7[0]<br>_EOTEnterGainVspd_Kph_u9p7[1]                                  | 14848       |  |
|   | 14976       |  |
| _EOTEnterGainVspd_Kph_u9p7[2]   |             |  |
| _EOTEnterGainVspd_Kph_u9p7[3]<br>_SpdlptTblXTbl_HwDeg_u12p4[0]                                  | 15104       |  |
|   | 80          |  |

2015-06-29, 18:31:27+0530



3.79999804 ± 0.00048828125

0.129669189 ± 0.0000390625

8.80000019 ± 0.00048828125

EOTActuatorMng\_Per1

|   |  | •                          | 10.10    |
|---|--|----------------------------|----------|
| Name  | Input Value                            |                            |          |
| t_SpdIptTbIYTbI_MtrRadpS_u12p4[0]   | 544                                    |                            |          |
| t_SpdIptTbIYTbI_MtrRadpS_u12p4[1]   | 688                                    |                            |          |
| t_TrqTableX_HwNm_u8p8[0]  | 768                                    |                            |          |
| t_TrqTableX_HwNm_u8p8[1]  | 1536                                   |                            |          |
| t_TrqTblY_Uls_u2p14[0]  | 82                                     |                            |          |
| t_TrqTblY_Uls_u2p14[1]  | 164                                    |                            |          |
| target_EOTActuatorMng_Per1_CcwEOT_HwDeg_f32.value   | 0                                      |                            |          |
| target_EOTActuatorMng_Per1_CcwFound_Cnt_lgc.value   | 0                                      |                            |          |
| target_EOTActuatorMng_Per1_CwEOT_HwDeg_f32.value  | 444.040985                             |                            |          |
| target_EOTActuatorMng_Per1_CwFound_Cnt_lgc.value  | 0                                      |                            |          |
| target_EOTActuatorMng_Per1_EOTDisable_Cnt_lgc.value   | 1                                      |                            |          |
| target_EOTActuatorMng_Per1_HandWheelAuth_Uls_f32.value  | 0.439999998                            |                            |          |
| target_EOTActuatorMng_Per1_HandWheelPos_HwDeg_f32.value   | -300.26001                             |                            |          |
| target_EOTActuatorMng_Per1_HwTorque_HwNm_f32.value  | 4.5                                    |                            |          |
| target_EOTActuatorMng_Per1_MotorVel_MtrRadpS_f32.value  | 0.129999995                            |                            |          |
| target_EOTActuatorMng_Per1_OutputRampMultLtd_Uls_f32.value  | 0.00400000019                          |                            |          |
| target_EOTActuatorMng_Per1_VehicleSpeed_Kph_f32.value   | 2.11999989                             |                            |          |
| target_Rte_Inst_Ap_EOTActuatorMng.EOTActuatorMng_Per1_AssistEOTDamping_   | target_EOTActuatorMng_Per1_AssistEOTD  | amping_MtrNm_f32           |          |
| target_Rte_Inst_Ap_EOTActuatorMng.EOTActuatorMng_Per1_AssistEOTGain_UIs_  | target_EOTActuatorMng_Per1_AssistEOTG  | ain_Uls_f32                |          |
| $target\_Rte\_Inst\_Ap\_EOTActuatorMng\_EOTActuatorMng\_Per1\_AssistEOTLimit\_Mtrice and the property of the property$                                | target_EOTActuatorMng_Per1_AssistEOTLi | mit_MtrNm_f32              |          |
| target_Rte_Inst_Ap_EOTActuatorMng.EOTActuatorMng_Per1_CcwEOT_HwDeg_f3   | target_EOTActuatorMng_Per1_CcwEOT_H    | vDeg_f32                   |          |
| $target\_Rte\_Inst\_Ap\_EOTActuatorMng.EOTActuatorMng\_Per1\_CcwFound\_Cnt\_Igc$  | target_EOTActuatorMng_Per1_CcwFound_0  | Cnt_lgc                    |          |
| target_Rte_Inst_Ap_EOTActuatorMng.EOTActuatorMng_Per1_CwEOT_HwDeg_f32   | target_EOTActuatorMng_Per1_CwEOT_Hw    | Deg_f32                    |          |
| target_Rte_Inst_Ap_EOTActuatorMng.EOTActuatorMng_Per1_CwFound_Cnt_lgc   | target_EOTActuatorMng_Per1_CwFound_C   | nt_lgc                     |          |
| target Rte Inst Ap EOTActuatorMng.EOTActuatorMng Per1 EOTDisable Cnt Ig   | target_EOTActuatorMng_Per1_EOTDisable  | _Cnt_lgc                   |          |
| $target\_Rte\_Inst\_Ap\_EOTActuatorMng.EOTActuatorMng\_Per1\_HandWheelAuth\_Ulstarget\_Rte\_Inst\_Ap\_EOTActuatorMng.EOTActuatorMng\_Per1\_HandWheelAuth\_Ulstarget\_Rte\_Inst\_Ap\_EOTActuatorMng.EOTActuatorMng\_Per1\_HandWheelAuth\_Ulstarget\_Rte\_Inst\_Ap\_EOTActuatorMng.EOTActuatorMng\_Per1\_HandWheelAuth\_Ulstarget\_Rte\_Inst\_Ap\_EOTActuatorMng.EOTActuatorMng\_Per1\_HandWheelAuth\_Ulstarget\_Rte\_Inst\_Ap\_EOTActuatorMng.EOTAc$ | target_EOTActuatorMng_Per1_HandWheel   | Auth_Uls_f32               |          |
| $target\_Rte\_Inst\_Ap\_EOTActuatorMng.EOTActuatorMng\_Per1\_HandWheelPos\_Hwarder and the property of the property $                                 | target_EOTActuatorMng_Per1_HandWheelF  | Pos_HwDeg_f32              |          |
| $target\_Rte\_Inst\_Ap\_EOTActuatorMng.EOTActuatorMng\_Per1\_HwTorque\_HwNm\_f$   | target_EOTActuatorMng_Per1_HwTorque_h  | lwNm_f32                   |          |
| target_Rte_Inst_Ap_EOTActuatorMng.EOTActuatorMng_Per1_MotorVel_MtrRadpS   | target_EOTActuatorMng_Per1_MotorVel_M  | rRadpS_f32                 |          |
| $target\_Rte\_Inst\_Ap\_EOTActuatorMng\_EOTActuatorMng\_Per1\_OutputRampMultLtd$  | target_EOTActuatorMng_Per1_OutputRamp  | MultLtd_Uls_f32            |          |
| target_Rte_Inst_Ap_EOTActuatorMng.EOTActuatorMng_Per1_VehicleSpeed_Kph_   | target_EOTActuatorMng_Per1_VehicleSpee | d_Kph_f32                  |          |
| Name  | Actual Value                           | Expected Value             | Result   |
| EOTActuatorMng_Damping_MtrNm_M_f32  | 3.79999995                             | 3.79999804 ± 0.0000390625  | ✓        |
| EOTActuatorMng_EOTImpactPos_HwDeg_M_f32   | 555.469971                             | 555.469971 ± 0.0000390625  | <b>✓</b> |
| EOTActuatorMng_FiltEOTGainSV_HwNm_M_u1p31   | 278492874                              | 278492874 ± 1              | ✓        |
| EOTActuatorMng_FiltHWTrqSV_HwNm_M_s7p24   | -140331008                             | -140331008 ± 1             | ~        |
| EOTActuatorMng_OutputRampMultLtd_M_f32  | 0.00400000019                          | 0.00400000019 ± 0.00390625 | ~        |
| EOTActuatorMng_PrevEOTGain_Uls_M_f32  | 0.129669189                            | 0.129669189 ± 0.0625       | ~        |
| EOTActuatorMng_SESState_Uls_M_enum  | SES_DISABLED                           | SES_DISABLED               | <b>✓</b> |

| Т  |       |  |       | <b>✓</b> |
|--|-------|--|-------|----------|
| Actual Function                                    | Count | Expected Function                                  | Count | Result   |
| Rte_Call_EOTActuatorMng_Per1_CP0_CheckpointReached | 1     | Rte_Call_EOTActuatorMng_Per1_CP0_CheckpointReached | 1     | ~        |
| EOTDetermination                                   | 1     | EOTDetermination                                   | 1     | <b>✓</b> |
| SES_DetLmtPos                                      | 1     | SES_DetLmtPos                                      | 1     | ~        |
| SES_CalcExitGain                                   | 1     | SES_CalcExitGain                                   | 1     | ~        |
| IntplVarXY_u16_u16Xu16Y_Cnt                        | 1     | IntplVarXY_u16_u16Xu16Y_Cnt                        | 1     | ~        |
| SES_CalcEnterGain                                  | 1     | SES_CalcEnterGain                                  | 1     | •        |
| BilinearXMYM_u16_u16XMu16YM_Cnt                    | 1     | BilinearXMYM_u16_u16XMu16YM_Cnt                    | 1     | ~        |
| SES_CalcEOTGain                                    | 1     | SES_CalcEOTGain                                    | 1     | •        |
| SES_FiltEOTGain                                    | 1     | SES_FiltEOTGain                                    | 1     | ~        |
| SES_CalcEOTDamp                                    | 1     | SES_CalcEOTDamp                                    | 1     | ~        |
| BilinearXMYM_u16_u16XMu16YM_Cnt                    | 1     | BilinearXMYM_u16_u16XMu16YM_Cnt                    | 1     | ~        |
| SES_StateCtrl                                      | 1     | SES_StateCtrl                                      | 1     | •        |
| Rte_Call_EOTActuatorMng_Per1_CP1_CheckpointReached | 1     | Rte_Call_EOTActuatorMng_Per1_CP1_CheckpointReached | 1     | ~        |

3.79999995

0.129669189

8.80000019

| Test Step 2.63 (Repeat Count = 1)         |                                   | ✓ |
|---|-----------------------------------|---|
| Name                                      | Input Value                       |   |
| EOTActuatorMng_Damping_MtrNm_M_f32        | 0                                 |   |
| EOTActuatorMng_EOTImpactPos_HwDeg_M_f32   | 567.25                            |   |
| EOTActuatorMng_FiltEOTGainSV_HwNm_M_u1p31 | 579820585                         |   |
| EOTActuatorMng_FiltHWTrqSV_HwNm_M_s7p24   | 130358968                         |   |
| EOTActuatorMng_PrevEOTGain_Uls_M_f32      | 0.430000007                       |   |
| EOTActuatorMng_SESState_Uls_M_enum        | SES_NORMAL                        |   |
| Rte_Inst_Ap_EOTActuatorMng                | target_Rte_Inst_Ap_EOTActuatorMng |   |
| k_EOTActiveRegionBypassMaxThresh_Uls_f32  | 0.69599998                        |   |
| k_EOTDefltPosition_HwDeg_u12p4            | 6400                              |   |

target\_EOTActuatorMng\_Per1\_AssistEOTDamping\_MtrNm\_f32.value

target\_EOTActuatorMng\_Per1\_AssistEOTGain\_Uls\_f32.value target\_EOTActuatorMng\_Per1\_AssistEOTLimit\_MtrNm\_f32.value

2015-06-29, 18:31:27+0530



| Name         Input Value           K, DOTDHATE/TRAIL_HANNE_UBPR         7880           K, DOTDHATE/TRAIL_HANNE_UBPR         7880           K, DOTTHATE/TRAIL_HANNE_UBPR         7880           K, DOTTHATE/TRAIL_HANNE_UBPR         5832           K, DOTTHATE/TRAIL_HANNE_UBPR         5832           K, DOTTHATE/TRAIL_HANNE_UTBPR         199400000           K, DOTTHATE/TRAIL_HANNE_UTBPR         199400000           K, DOTTHATE/TRAIL_HANNE_UTBPR         5983           K, DOTTHATE/TRAIL_HANNE_UTBPR         5999           K, DOTTHATE/TRAIL_HANNE_UTBPR         5980           K, DATATAL_HANNE_UTBPR         5980           K, DATATAL_HANNE_UTBPR         1999           K, DATATAL_HANNE_UTBPR         1999           K, DATATAL_HANNE_UTBPR         1912           E, DOTTHATE/DATAL_HANNE_UTBPR  |  |             |
|--|--|-------------|
| K. EOTIPOCAT UB. UBBB   7880   K. EOTIBATED PRO. DEL 1916   854   K. EOTIBATED PRO. DEL 1916   854   K. EOTIBATED PRO. DEL 1917   533   K. EOTIBATED PRO. DEL 1917   5532   532   K. EOTIBATED PRO. DEL 1917   5532   532   K. EOTIBATED PRO. DEL 1917   532    | ne                                       | Input Value |
| EOTEMETPRO, CDL   UB   | OTDeltaTrqThrsh_HwNm_u9p7                | 896         |
| EOTEMPRO CRIL 1976   333   | OTDynConf_Uls_u8p8                       | 7680        |
| EOTIMPSORE   Keth. u/SP7   | OTEnterLPFKn_Cnt_u16                     | 854         |
| EDTOING   TOTAL   TO   | OTExitLPFKn_Cnt_u16                      | 333         |
| LEOTRobePompErmasRew_MarkmpS_T_52  | OTImpSpdEn_Kph_u9p7                      | 5632        |
| LEOTSIANEWTQLPFKIL_CIT_USE   AbaRackTril_HWOR_U12p4  | OTOriginalImpactandSoftEnd_Cnt_lgc       | 1           |
| Clastifact   Multiple   U1294  | OTPosDepDempFinalSlew_MtrNmpS_T_f32      | 190.440002  |
| Lydning Artin   HwDeg_u1294   20400  | OTStateHwTrqLPFKn_Cnt_u16                | 9999        |
| DesCangSieg_HvDeg_u12p4   5696   |  | 5328        |
| Contamposing_HavDeg_u12p4   5696   | linRackTrvl HwDeg u12p4                  | 20400       |
| SoftSp(E)CTEANDE_COL_DC   SpdiplScade_Mith/mpRadps_Uspic[0]  S00   SpdiplScade_Mith/mpRadps_Uspic[0]  S00   SCOTEINITEGAINX_HWDeg_u12pic[0]  S00   SCOTEINITEGAINX_HWDeg_u12pic[0]  S00   SCOTEINITEGAINX_HWDeg_u12pic[0]  S12   SCOTEINITEGAINX_HWDeg_u12pic[0]  S12   SCOTEINITEGAINX_HWDeg_u12pic[0]  S12   SCOTEINITEGAINX_HWDeg_u12pic[0]  S12   SCOTEINITEGAINX_HWDeg_u12pic[0]  S12   SCOTEINITEGAINX_HWDeg_u12pic[0]  S13   SCOTEINITEGAINX_HWDeg_u12pic[0]  S13   SCOTEINITEGAINX_HWDeg_u12pic[0]  S13   SCOTEINITEGAINX_HWDeg_u12pic[0]  S13   SCOTEINITEGAINX_HWDeg_u12pic[0]  S13   SCOTEINITEGAINX_HWDeg_u12pic[0]  S14   SCOTEINITEGAINX_UB_upic[0]  S14   SCOT   |  | 5696        |
| SpotipiScale_MinimpRangs_u4p12   |  |             |
| 2. EOTE-InterGainX, HwDeg_u12p4(0)[1] 2. EOTE-InterGainX, HwDeg_u12p4(0)[1] 2. EOTE-InterGainX, HwDeg_u12p4(0)[2] 2. EOTE-InterGainX, HwDeg_u12p4(0)[3] 2. EOTE-InterGainX, HwDeg_u12p4(1)[0] 2. EOTE-InterGainX, HwDeg_u12p4(1)[0] 2. EOTE-InterGainX, HwDeg_u12p4(1)[1] 2. EOTE-InterGainX, HwDeg_u12p4(1)[1] 2. EOTE-InterGainX, HwDeg_u12p4(1)[3] 3. EOTE-InterGainX, HwDeg_u12p4(1)[3] 3. EOTE-InterGainX, HwDeg_u12p4(1)[3] 3. EOTE-InterGainX, HwDeg_u12p4(1)[3] 3. EOTE-InterGainX, HwDeg_u12p4(3)[0] 3. EOTE-InterGainX, Usu u1p15(0)[0] 3. EOTE-InterGainX, Usu u1p15(0)[0] 3. EOTE-InterGainX, Usu u1p15(0)[0] 4. EOTE-InterGainX, Usu u1p15(0)[1] 5. EOTE-InterGainX, Usu u1p15(0)[1] 6. EOTE-InterGainX, Usu u1p15(0)[1] 6. EOTE-InterGainX, Usu u1p15(0)[1] 6. EOTE-InterGainY, Usu u1p15(0)[1] 7. EOTE-InterGai |  |             |
| 2_EOTEnterGainX_HwDeg_u12p4(0)[1]  |  |             |
| 2_EOTEInterGainX_HwDeg_u12p4[0][2] 2_EOTEInterGainX_HwDeg_u12p4[1][0] 3_EOTEInterGainX_HwDeg_u12p4[1][1] 3_EOTEInterGainX_HwDeg_u12p4[1][1] 3_EOTEInterGainX_HwDeg_u12p4[1][1] 4_EOTEInterGainX_HwDeg_u12p4[1][1] 4_EOTEInterGainX_HwDeg_u12p4[1][2] 4_EOTEInterGainX_HwDeg_u12p4[2][0] 4_EOTEInterGainX_UB_u1pt5[0][0] 4_EOTEInte |  |             |
| 2 EOTEnterGainX, HwDeg_u12p4[0][3] 1280 2 EOTEnterGainX, HwDeg_u12p4[1][1] 1520 2 EOTEnterGainX, HwDeg_u12p4[1][1] 1520 2 EOTEnterGainX, HwDeg_u12p4[1][2] 1536 2 EOTEnterGainX, HwDeg_u12p4[1][2] 1536 2 EOTEnterGainX, HwDeg_u12p4[1][3] 1552 2 EOTEnterGainX, HwDeg_u12p4[2][0] 1152 2 EOTEnterGainX, HwDeg_u12p4[2][0] 1152 2 EOTEnterGainX, HwDeg_u12p4[2][1] 3440 2 EOTEnterGainX, HwDeg_u12p4[2][3] 3476 2 EOTEnterGainX, HwDeg_u12p4[2][3] 3472 2 EOTEnterGainX, HwDeg_u12p4[2][3] 3472 2 EOTEnterGainX, HwDeg_u12p4[3][3] 3472 2 EOTEnterGainX, HwDeg_u12p4[3][3] 3592 2 EOTEnterGainX, HwDeg_u12p4[3][3] 3592 2 EOTEnterGainX, HwDeg_u12p4[3][3] 3592 2 EOTEnterGainY, Uls_u1p15[0][0] 5 2 EOTEnterGainY, Uls_u1p15[0][0] 5 2 EOTEnterGainY, Uls_u1p15[0][1] 5 2 EOTEnterGainY, Uls_u1p15[0][1] 5 2 EOTEnterGainY, Uls_u1p15[0][1] 6 3 EOTEnterGainY, Uls_u1p15[1][1] 6 4 EOTEnterGainY, Uls_u1p15[1][1] 6 5 EOTEnterGainY, Uls_u1p15[1][1] 7 5 EOTEnterGainY, Uls_u1p15[1][1] 7 5 EOTEnterGainY, Uls_u1p15[1][1] 7 5 EOTEnterGainY, Uls_u1p15[1][1] 8 5 EOTEnterGainY, Uls_u1p15[1][1] 9 5 EOTEnterGainY, Uls_u1p15[1][1] 9 5 EOTEnterGainY, Uls_u1p15[2][1] 9 5 EOTEnterGainY, Uls_u1p15[2][1] 9 5 EOTEnterGainY, Uls_u1p15[2][1] 9 5 EOTEnterGainY, Uls_u1p15[2][1] 9 5 EOTEnterGainY, Uls_u1p15[3][1] 9 5 EOTE |  |             |
| 2_EOTEnterGainX_HwDeg_u12p4[1][0] 512 2_EOTEnterGainX_HwDeg_u12p4[1][1] 1520 2_EOTEnterGainX_HwDeg_u12p4[1][1] 1520 2_EOTEnterGainX_HwDeg_u12p4[1][3] 1552 2_EOTEnterGainX_HwDeg_u12p4[2][0] 1152 2_EOTEnterGainX_HwDeg_u12p4[2][0] 1152 2_EOTEnterGainX_HwDeg_u12p4[2][0] 1152 2_EOTEnterGainX_HwDeg_u12p4[2][0] 1152 2_EOTEnterGainX_HwDeg_u12p4[2][0] 1152 2_EOTEnterGainX_HwDeg_u12p4[2][0] 1792 2_EOTEnterGainX_HwDeg_u12p4[2][0] 1792 2_EOTEnterGainX_HwDeg_u12p4[3][0] 1792 2_EOTEnterGainX_UB_u12p4[3][0] 1792 2_EOTEnterGainX_UB_u12p4[3][0] 1792 2_EOTEnterGainX_UB_u12p4[3][0] 1792 2_EOTEnterGainX_UB_u12p4[3][0] 1792 2_EOTEnterGainX_UB_u12p4[3][0] 1792 2_EOTEnterGainX_UB_u12p4[3][0] 1793 2_EOTEnter |  |             |
| 2_EOTEnterGainX_HwDeg_u12p4[1][1]  |  |             |
| 2_EOTEnterGainX_HwDeg_u12p4[1][2]  |  |             |
| 2_EOTEnterGainX_HwDeg_u12p4[1][3] 2_EOTEnterGainX_HwDeg_u12p4[2][0] 3440 2_EOTEnterGainX_HwDeg_u12p4[2][1] 3440 2_EOTEnterGainX_HwDeg_u12p4[2][2] 3456 2_EOTEnterGainX_HwDeg_u12p4[2][3] 3472 2_EOTEnterGainX_HwDeg_u12p4[3][0] 1792 2_EOTEnterGainX_HwDeg_u12p4[3][1] 5360 2_EOTEnterGainX_HwDeg_u12p4[3][1] 5360 2_EOTEnterGainX_HwDeg_u12p4[3][1] 5376 2_EOTEnterGainX_HwDeg_u12p4[3][3] 5392 2_EOTEnterGainX_HwDeg_u12p4[3][3] 5392 2_EOTEnterGainX_Uls_u1p15[0][0] 5_EOTEnterGainX_Uls_u1p15[0][1] 5_EOTEnterGainY_Uls_u1p15[0][1] 5_EOTEnterGainY_Uls_u1p15[0][2] 2_EOTEnterGainY_Uls_u1p15[1][1] 6_EOTEnterGainY_Uls_u1p15[1][1] 6_EOTEnterGainY_Uls_u1p15[1][1] 6_EOTEnterGainY_Uls_u1p15[1][3] 489 2_EOTEnterGainY_Uls_u1p15[1][3] 480 2_EOTEnterGainY_Uls_u1p15[2][3] 49 2_EOTEnterGainY_Uls_u1p15[2][3] 480 2_EOTEnterGainY_Uls_u1p15[3][3] |  |             |
| 2_EOTEnterGainX_HwDeg_u12p4[2][0]  |  |             |
| 2_EOTEnterGainX_HwDeg_u12p4{2[ 1]} 2_EOTEnterGainX_HwDeg_u12p4{2[ 2]} 3456 2_EOTEnterGainX_HwDeg_u12p4{3[ 3]} 3472 2_EOTEnterGainX_HwDeg_u12p4{3[ 3]} 3472 2_EOTEnterGainX_HwDeg_u12p4{3[ 1]} 5360 2_EOTEnterGainX_HwDeg_u12p4{3[ 1]} 5360 2_EOTEnterGainX_HwDeg_u12p4{3[ 3]} 5376 2_EOTEnterGainX_HwDeg_u12p4{3[ 3]} 5392 2_EOTEnterGainX_HwDeg_u12p4{3[ 3]} 5392 2_EOTEnterGainY_Uls_u1p15{0[ 1]} 5_EOTEnterGainY_Uls_u1p15{0[ 1]} 5_EOTEnterGainY_Uls_u1p15{0[ 1]} 5_EOTEnterGainY_Uls_u1p15{0[ 1]} 6_EOTEnterGainY_Uls_u1p15{0[ 1]} 6_EOTEnt |  |             |
| 2_EOTEnterGainX_HwDeg_u12p4[2][2] 2_EOTEnterGainX_HwDeg_u12p4[2][3] 3472 2_EOTEnterGainX_HwDeg_u12p4[3][1] 5360 2_EOTEnterGainX_HwDeg_u12p4[3][1] 5360 2_EOTEnterGainX_HwDeg_u12p4[3][2] 5376 2_EOTEnterGainX_HwDeg_u12p4[3][2] 5376 2_EOTEnterGainX_HwDeg_u12p4[3][3] 5392 2_EOTEnterGainY_Uls_u1p15[0][0] 5_EOTEnterGainY_Uls_u1p15[0][1] 5_EOTEnterGainY_Uls_u1p15[0][1] 5_EOTEnterGainY_Uls_u1p15[0][3] 193 2_EOTEnterGainY_Uls_u1p15[1][3] 193 2_EOTEnterGainY_Uls_u1p15[1][0] 6_EOTEnterGainY_Uls_u1p15[1][1] 4_EOTEnterGainY_Uls_u1p15[1][1] 4_EOTEnterGainY_Uls_u1p15[1][3] 4_EOTEnterGainY_Uls_u1p15[1][3] 4_EOTEnterGainY_Uls_u1p15[2][3] 4_EOTEnterGainY_Uls_u1p15[2][3] 4_EOTEnterGainY_Uls_u1p15[2][3] 4_EOTEnterGainY_Uls_u1p15[2][3] 4_EOTEnterGainY_Uls_u1p15[2][3] 4_EOTEnterGainY_Uls_u1p15[3][3] 4_EOTEnter |  |             |
| 2 EOTEnterGainX, HwDeg_u12p4[2][3] 2 EOTEnterGainX, HwDeg_u12p4[3][0] 1792 2 EOTEnterGainX, HwDeg_u12p4[3][1] 5360 2 EOTEnterGainX, HwDeg_u12p4[3][1] 5360 2 EOTEnterGainX, HwDeg_u12p4[3][2] 5376 2 EOTEnterGainX, HwDeg_u12p4[3][3] 5392 2 EOTEnterGainY, Uls_u1p15[0][0] 5 2 EOTEnterGainY, Uls_u1p15[0][1] 5 2 EOTEnterGainY, Uls_u1p15[0][2] 2 EOTEnterGainY, Uls_u1p15[0][2] 2 EOTEnterGainY, Uls_u1p15[0][2] 2 EOTEnterGainY, Uls_u1p15[0][3] 3 EOTEnterGainY, Uls_u1p15[1][1] 6 2 EOTEnterGainY, Uls_u1p15[1][1] 6 2 EOTEnterGainY, Uls_u1p15[1][1] 49 2 EOTEnterGainY, Uls_u1p15[1][3] 478 2 EOTEnterGainY, Uls_u1p15[2][3] 3 EOTEnterGainY, Uls_u1p15[2][3] 5 EOTEnterGainY, Uls_u1p15[2][3] 5 EOTEnterGainY, Uls_u1p15[2][3] 6 EOTEnterGainY, Uls_u1p15[3][3] 6 EOTEnterGainY, Uls_u1p15[3][3] 7 EOTEnterGainY, Uls_u1p15[3][3] 8 EOTENterGainY, Uls_u1p15[3][3] 9 EOTENTERGAIN |  |             |
| 2_EOTEnterGainX_HwDeg_u12p4[3][0]  |  |             |
| 2_EOTEnterGainX_HwDeg_u12p4[3][1]  |  |             |
| 2_EOTEnterGainX_HwDeg_u12p4[3][2]  |  |             |
| 2_EOTEnterGainY_Uls_u1pt5[0][0]  |  |             |
| 2_EOTEnterGainY_Uls_u1p15[0][0] 5 2_EOTEnterGainY_Uls_u1p15[0][1] 5 2_EOTEnterGainY_Uls_u1p15[0][2] 20 2_EOTEnterGainY_Uls_u1p15[0][3] 193 2_EOTEnterGainY_Uls_u1p15[1][0] 6 2_EOTEnterGainY_Uls_u1p15[1][0] 6 2_EOTEnterGainY_Uls_u1p15[1][1] 6 2_EOTEnterGainY_Uls_u1p15[1][2] 49 2_EOTEnterGainY_Uls_u1p15[1][3] 478 2_EOTEnterGainY_Uls_u1p15[1][0] 383 2_EOTEnterGainY_Uls_u1p15[2][0] 383 2_EOTEnterGainY_Uls_u1p15[2][0] 383 2_EOTEnterGainY_Uls_u1p15[2][0] 383 2_EOTEnterGainY_Uls_u1p15[2][1] 39 2_EOTEnterGainY_Uls_u1p15[2][2] 5 2_EOTEnterGainY_Uls_u1p15[2][3] 6 2_EOTEnterGainY_Uls_u1p15[3][0] 954 2_EOTEnterGainY_Uls_u1p15[3][0] 954 2_EOTEnterGainY_Uls_u1p15[3][1] 98 2_EOTEnterGainY_Uls_u1p15[3][2] 7 2_EOTEnterGainY_Uls_u1p15[3][3] 8 2_EOTExterGainY_Uls_u1p15[3][3] 8 3_EOTExterGainY_Uls_u1p15[3][3] 8 3_EOTExterGainY_Uls_ | EOTEnterGainX_HwDeg_u12p4[3][2]          | 5376        |
| 2_EOTEnterGainY_Uls_u1p15[0][1] 5 2_EOTEnterGainY_Uls_u1p15[0][2] 20 2_EOTEnterGainY_Uls_u1p15[0][3] 193 2_EOTEnterGainY_Uls_u1p15[1][0] 6 2_EOTEnterGainY_Uls_u1p15[1][1] 6 2_EOTEnterGainY_Uls_u1p15[1][1] 6 2_EOTEnterGainY_Uls_u1p15[1][2] 49 2_EOTEnterGainY_Uls_u1p15[1][3] 478 2_EOTEnterGainY_Uls_u1p15[2][0] 383 2_EOTEnterGainY_Uls_u1p15[2][0] 393 2_EOTEnterGainY_Uls_u1p15[2][1] 39 2_EOTEnterGainY_Uls_u1p15[2][3] 5 2_EOTEnterGainY_Uls_u1p15[2][3] 6 2_EOTEnterGainY_Uls_u1p15[3][3] 954 2_EOTEnterGainY_Uls_u1p15[3][3] 98 2_EOTEnterGainY_Uls_u1p15[3][3] 98 2_EOTEnterGainY_Uls_u1p15[3][3] 98 2_EOTEnterGainY_Uls_u1p15[3][3] 8 2_EOTEnterGainY_Uls_u1p15[3][3] 8 2_EOTENTERGAINY_Uls_u1p15[3][3] 8 2_EOTENTERGAINY_Uls_u1p15[3][3] 8 2_EOTENTERGAINY_Uls_u1p15[3][3] 8 2_EOTENTERGAINY_Uls_u1p15[3][3] 8 2_EOTENTERGAINY_Uls_u1p15[3][3] 98 2_EOTENTERGAINY_Uls_u1p15[3][3] 8 2_EOTENTERGAINY_Uls_u1p15[3][3] 8 2_EOTENTERGAINY_Uls_u1p15[3][3] 98 2_EOTENTERGAINY_Uls_U1p15[3][3][3] 98 2_EOTENTERGAINY_Uls_U1p15[3][3][3] 98 2_EOTENTERGAINY_U1p15[3][3][3][3] 98 2_EOTENTERGAINY_U1p15[3][3][3][3][3][3][3][3][3][3][ | EOTEnterGainX_HwDeg_u12p4[3][3]          | 5392        |
| 2_EOTEnterGainY_Uls_u1p15[0][2] 20 2_EOTEnterGainY_Uls_u1p15[0][3] 193 2_EOTEnterGainY_Uls_u1p15[1][0] 6 2_EOTEnterGainY_Uls_u1p15[1][1] 6 2_EOTEnterGainY_Uls_u1p15[1][1] 49 2_EOTEnterGainY_Uls_u1p15[1][2] 49 2_EOTEnterGainY_Uls_u1p15[1][3] 478 2_EOTEnterGainY_Uls_u1p15[2][0] 383 2_EOTEnterGainY_Uls_u1p15[2][1] 39 2_EOTEnterGainY_Uls_u1p15[2][1] 39 2_EOTEnterGainY_Uls_u1p15[2][2] 5 2_EOTEnterGainY_Uls_u1p15[2][3] 6 2_EOTEnterGainY_Uls_u1p15[3][3] 6 2_EOTEnterGainY_Uls_u1p15[3][0] 954 2_EOTEnterGainY_Uls_u1p15[3][0] 954 2_EOTEnterGainY_Uls_u1p15[3][2] 7 2_EOTEnterGainY_Uls_u1p15[3][2] 7 2_EOTEnterGainY_Uls_u1p15[3][2] 7 2_EOTEnterGainY_Uls_u1p15[3][3] 8 2_EOTENPOSDepDmpTblY_MtrNmpRadps_u0p16[0][0] 32 2_EOTEXPOSDepDmpTblY_MtrNmpRadps_u0p16[0][1] 44 2_EOTEXPOSDepDmpTblY_MtrNmpRadps_u0p16[1][0] 16 2_EOTEXPOSDepDmpTblY_MtrNmpRadps_u0p16[2][0] 4 2_EOTEXPOSDepDmpTblY_MtrNmpRadps_u0p16[2][0] 4 2_EOTEXPOSDepDmpTblY_MtrNmpRadps_u0p16[2][0] 4 2_EOTEXPOSDepDmpTblY_MtrNmpRadps_u0p16[2][0] 4 2_EOTEXPOSDepDmpTblY_MtrNmpRadps_u0p16[2][1] 26 2_EOTEXPOSDepDmpTblY_MtrNmpRadps_u0p16[2][1] 26 2_EOTEXPOSDepDmpTblY_MtrNmpRadps_u0p16[2][1] 26 2_EOTEXPOSDepDmpTblY_MtrNmpRadps_u0p16[2][1] 87 2_EOTEXPOSDepDmpTblY_MtrNmpRadps_u0p16[2][1] 87 2_EOTEXPOSDepDmpTblY_MtrNmpRadps_u0p16[3][1] 87 2_EOTEXPOSDepDmpTblY_MtrNmpRadps_u0p16[3][1] 87 2_EOTEXPOSDepDmpTblY_MtrNmpRadps_u0p16[3][1] 87 2_EOTEXPOSDepDmpTblY_MtrNmpRadps_u0p16[3][1] 87 2_EOTEXPOSDepDmpTblY_MtrNmpRadps_u0p16[3][1] 87   | EOTEnterGainY_Uls_u1p15[0][0]            | 5           |
| 2_EOTEnterGainY_Uls_u1p15[0][3] 193 2_EOTEnterGainY_Uls_u1p15[1][0] 6 2_EOTEnterGainY_Uls_u1p15[1][1] 6 2_EOTEnterGainY_Uls_u1p15[1][2] 49 2_EOTEnterGainY_Uls_u1p15[1][2] 49 2_EOTEnterGainY_Uls_u1p15[1][3] 478 2_EOTEnterGainY_Uls_u1p15[2][0] 383 2_EOTEnterGainY_Uls_u1p15[2][1] 39 2_EOTEnterGainY_Uls_u1p15[2][1] 39 2_EOTEnterGainY_Uls_u1p15[2][2] 5 2_EOTEnterGainY_Uls_u1p15[2][3] 6 2_EOTEnterGainY_Uls_u1p15[3][0] 954 2_EOTEnterGainY_Uls_u1p15[3][0] 954 2_EOTEnterGainY_Uls_u1p15[3][1] 98 2_EOTEnterGainY_Uls_u1p15[3][2] 7 2_EOTEnterGainY_Uls_u1p15[3][2] 7 2_EOTEnterGainY_Uls_u1p15[3][2] 7 2_EOTEnterGainY_Uls_u1p15[3][3] 8 2_EOTExposDepDmpTblY_MtrNmpRadps_u0p16[0][0] 32 2_EOTExposDepDmpTblY_MtrNmpRadps_u0p16[0][1] 44 2_EOTExPosDepDmpTblY_MtrNmpRadps_u0p16[1][0] 16 2_EOTExPosDepDmpTblY_MtrNmpRadps_u0p16[2][0] 4 2_EOTExPosDepDmpTblY_MtrNmpRadps_u0p16[2][0] 4 2_EOTExPosDepDmpTblY_MtrNmpRadps_u0p16[2][0] 4 2_EOTExPosDepDmpTblY_MtrNmpRadps_u0p16[2][0] 4 2_EOTExPosDepDmpTblY_MtrNmpRadps_u0p16[2][0] 4 2_EOTExPosDepDmpTblY_MtrNmpRadps_u0p16[2][0] 5 2_EOTExPosDepDmpTblY_MtrNmpRadps_u0p16[2][0] 62 2_EOTExPosDepDmpTblY_MtrNmpRadps_u0p16[3][0] 62   | EOTEnterGainY_Uls_u1p15[0][1]            | 5           |
| 2_EOTEnterGainY_Uls_u1p15[1][0] 6 2_EOTEnterGainY_Uls_u1p15[1][1] 6 2_EOTEnterGainY_Uls_u1p15[1][2] 49 2_EOTEnterGainY_Uls_u1p15[1][3] 478 2_EOTEnterGainY_Uls_u1p15[2][0] 333 2_EOTEnterGainY_Uls_u1p15[2][1] 39 2_EOTEnterGainY_Uls_u1p15[2][1] 39 2_EOTEnterGainY_Uls_u1p15[2][2] 5 2_EOTEnterGainY_Uls_u1p15[2][3] 6 2_EOTEnterGainY_Uls_u1p15[3][0] 954 2_EOTEnterGainY_Uls_u1p15[3][0] 954 2_EOTEnterGainY_Uls_u1p15[3][0] 98 2_EOTEnterGainY_Uls_u1p15[3][2] 7 2_EOTEnterGainY_Uls_u1p15[3][2] 7 2_EOTEnterGainY_Uls_u1p15[3][3] 8 2_EOTExPosDepDmpTblY_MtrNmpRadps_u0p16[0][0] 32 2_EOTExplosDepDmpTblY_MtrNmpRadps_u0p16[0][1] 44 2_EOTExPosDepDmpTblY_MtrNmpRadps_u0p16[1][0] 16 2_EOTExPosDepDmpTblY_MtrNmpRadps_u0p16[1][0] 16 2_EOTExPosDepDmpTblY_MtrNmpRadps_u0p16[2][0] 4 2_EOTExPosDepDmpTblY_MtrNmpRadps_u0p16[2][0] 4 2_EOTExPosDepDmpTblY_MtrNmpRadps_u0p16[2][0] 5 2_EOTExPosDepDmpTblY_MtrNmpRadps_u0p16[3][0] 62 2_EOTExPosDepDmpTblY_MtrNmpRadps_u0p16[3][1] 87  | EOTEnterGainY_Uls_u1p15[0][2]            | 20          |
| 2_EOTEnterGainY_Uls_u1p15[1][1]  | EOTEnterGainY_Uls_u1p15[0][3]            | 193         |
| 2_EOTEnterGainY_Uls_ulp15[1][2]  | EOTEnterGainY_Uls_u1p15[1][0]            | 6           |
| 2_EOTEnterGainY_Uls_u1p15[1][3]  | EOTEnterGainY_Uls_u1p15[1][1]            | 6           |
| 22_EOTEnterGainY_Uls_u1p15[1][3]   478   383     | EOTEnterGainY_Uls_u1p15[1][2]            | 49          |
| 22_EOTEnterGainY_Uls_u1p15[2][0]   383     |  | 478         |
| 12_EOTEnterGainY_Uls_u1p15[2][1]   39   5   12_EOTEnterGainY_Uls_u1p15[2][2]   5   6   12_EOTEnterGainY_Uls_u1p15[2][3]   6   12_EOTEnterGainY_Uls_u1p15[3][0]   954   12_EOTEnterGainY_Uls_u1p15[3][1]   98   12_EOTEnterGainY_Uls_u1p15[3][2]   7   7   7   7   7   7   7   7   7  |  | 383         |
| 22 EOTEnterGainY_Uls_u1p15[2][2]   5     22 EOTEnterGainY_Uls_u1p15[2][3]   6     22 EOTEnterGainY_Uls_u1p15[3][0]   954     23 EOTEnterGainY_Uls_u1p15[3][1]   98     24 EOTEnterGainY_Uls_u1p15[3][2]   7     25 EOTEnterGainY_Uls_u1p15[3][3]   8     25 EOTENTERGAINY_Uls_u1p15[3][3]   8     25 EOTENTERGAINY_Uls_u1p15[3][3]   8     26 EOTENTERGAINY_Uls_u1p15[3][3]   44     27 EOTENTERGAINY_Uls_u1p15[3][4]   44     28 EOTENTEROSDEPDMPTBIY_MtrNmpRadps_u0p16[0][6]   44     29 EOTENTEROSDEPDMPTBIY_MtrNmpRadps_u0p16[1][6]   16     20 EOTENTEROSDEPDMPTBIY_MtrNmpRadps_u0p16[1][6]   4     20 EOTENTEROSDEPDMPTBIY_MtrNmpRadps_u0p16[2][6]   4     21 EOTENTEROSDEPDMPTBIY_MtrNmpRadps_u0p16[2][6]   4     22 EOTENTEROSDEPDMPTBIY_MtrNmpRadps_u0p16[2][6]   62     23 EOTENTEROSDEPDMPTBIY_MtrNmpRadps_u0p16[3][6]   62     24 EOTENTEROSDEPDMPTBIY_MtrNmpRadps_u0p16[3][6]   87     25 EOTENTEROSDEPDMPTBIX_HWDeg_u12p4[6][6]   512     25 EOTPOSDEPDMPTBIX_HWDeg_u12p4[6][6]   512     25 EOTPOSDEPDMPTBIX_HWDeg_u12p4[6][6]   1152     26 EOTENTEROSDEPDMPTBIX_HWDeg_u12p4[6][6]   512     25 EOTPOSDEPDMPTBIX_HWDeg_u12p4[6][6]   512     25 EOTPOSDEPDMPTBIX_HWDeg_u12p4[6][6]   512     25 EOTENTEROSDEPDMPTBIX_HWDeg_u12p4[6][6]   512   |  | 39          |
| 12_EOTEnterGainY_Uls_u1p15[2][3] 6 12_EOTEnterGainY_Uls_u1p15[3][0] 954 12_EOTEnterGainY_Uls_u1p15[3][1] 98 12_EOTEnterGainY_Uls_u1p15[3][2] 7 12_EOTEnterGainY_Uls_u1p15[3][2] 7 12_EOTEnterGainY_Uls_u1p15[3][3] 8 12_EOTExPosDepDmpTblY_MtrNmpRadps_u0p16[0][0] 32 12_EOTExPosDepDmpTblY_MtrNmpRadps_u0p16[0][1] 44 12_EOTExPosDepDmpTblY_MtrNmpRadps_u0p16[1][0] 16 12_EOTExPosDepDmpTblY_MtrNmpRadps_u0p16[1][1] 22 12_EOTExPosDepDmpTblY_MtrNmpRadps_u0p16[2][0] 4 12_EOTExPosDepDmpTblY_MtrNmpRadps_u0p16[2][0] 4 12_EOTExPosDepDmpTblY_MtrNmpRadps_u0p16[2][1] 26 12_EOTExPosDepDmpTblY_MtrNmpRadps_u0p16[3][0] 62 12_EOTExPosDepDmpTblY_MtrNmpRadps_u0p16[3][1] 87 12_EOTExPosDepDmpTblY_MtrNmpRadps_u1p16[3][1] 512 12_EOTPosDepDmpTblX_HwDeg_u12p4[0][0] 512 12_EOTPosDepDmpTblX_HwDeg_u12p4[0][1] 1152   |  |             |
| 12_EOTEnterGainY_Uls_u1p15[3][0] 954 12_EOTEnterGainY_Uls_u1p15[3][1] 98 12_EOTEnterGainY_Uls_u1p15[3][2] 7 12_EOTEnterGainY_Uls_u1p15[3][2] 7 12_EOTExPosDepDmpTblY_MtrNmpRadps_u0p16[0][0] 32 12_EOTExPosDepDmpTblY_MtrNmpRadps_u0p16[0][1] 44 12_EOTExPosDepDmpTblY_MtrNmpRadps_u0p16[1][0] 16 12_EOTExPosDepDmpTblY_MtrNmpRadps_u0p16[1][1] 22 12_EOTExPosDepDmpTblY_MtrNmpRadps_u0p16[1][1] 22 12_EOTExPosDepDmpTblY_MtrNmpRadps_u0p16[2][0] 4 12_EOTExPosDepDmpTblY_MtrNmpRadps_u0p16[2][0] 4 12_EOTExPosDepDmpTblY_MtrNmpRadps_u0p16[3][0] 62 12_EOTExPosDepDmpTblY_MtrNmpRadps_u0p16[3][1] 87 12_EOTExPosDepDmpTblY_MtrNmpRadps_u1p46[3][1] 87 12_EOTPosDepDmpTblX_HwDeg_u12p4[0][0] 512 12_EOTPosDepDmpTblX_HwDeg_u12p4[0][1] 1152  |  |             |
| 12_EOTEnterGainY_Uls_u1p15[3][1] 98 12_EOTEnterGainY_Uls_u1p15[3][2] 7 12_EOTEnterGainY_Uls_u1p15[3][3] 8 12_EOTExPosDepDmpTblY_MtrNmpRadps_u0p16[0][0] 32 12_EOTExPosDepDmpTblY_MtrNmpRadps_u0p16[0][1] 44 12_EOTExPosDepDmpTblY_MtrNmpRadps_u0p16[1][0] 16 12_EOTExPosDepDmpTblY_MtrNmpRadps_u0p16[1][1] 22 12_EOTExPosDepDmpTblY_MtrNmpRadps_u0p16[1][1] 22 12_EOTExPosDepDmpTblY_MtrNmpRadps_u0p16[2][0] 4 12_EOTExPosDepDmpTblY_MtrNmpRadps_u0p16[2][0] 4 12_EOTExPosDepDmpTblY_MtrNmpRadps_u0p16[3][0] 62 12_EOTExPosDepDmpTblY_MtrNmpRadps_u0p16[3][1] 87 12_EOTExPosDepDmpTblY_MtrNmpRadps_u0p16[3][1] 512 12_EOTPosDepDmpTblX_HwDeg_u12p4[0][0] 512 12_EOTPosDepDmpTblX_HwDeg_u12p4[0][1] 1152  | : :::::                                  |             |
| 12_EOTEnterGainY_Uls_u1p15[3][2]   7     8     8     9   9   9   9   9   9   |  |             |
| 12_EOTEnterGainY_Uls_u1p15[3][3]       8         12_EOTExPosDepDmpTblY_MtrNmpRadps_u0p16[0][0]       32         12_EOTExPosDepDmpTblY_MtrNmpRadps_u0p16[0][1]       44         12_EOTExPosDepDmpTblY_MtrNmpRadps_u0p16[1][0]       16         12_EOTExPosDepDmpTblY_MtrNmpRadps_u0p16[1][1]       22         12_EOTExPosDepDmpTblY_MtrNmpRadps_u0p16[2][0]       4         12_EOTExPosDepDmpTblY_MtrNmpRadps_u0p16[2][1]       26         12_EOTExPosDepDmpTblY_MtrNmpRadps_u0p16[3][0]       62         12_EOTExPosDepDmpTblY_MtrNmpRadps_u0p16[3][1]       87         12_EOTPosDepDmpTblX_HwDeg_u12p4[0][0]       512         12_EOTPosDepDmpTblX_HwDeg_u12p4[0][1]       1152   |  |             |
| 12_EOTEXPOSDepDmpTbIY_MtrNmpRadps_u0p16[0][0]       32         12_EOTEXPOSDepDmpTbIY_MtrNmpRadps_u0p16[0][1]       44         12_EOTEXPOSDepDmpTbIY_MtrNmpRadps_u0p16[1][0]       16         12_EOTEXPOSDepDmpTbIY_MtrNmpRadps_u0p16[1][1]       22         12_EOTEXPOSDepDmpTbIY_MtrNmpRadps_u0p16[2][0]       4         12_EOTEXPOSDepDmpTbIY_MtrNmpRadps_u0p16[2][1]       26         12_EOTEXPOSDepDmpTbIY_MtrNmpRadps_u0p16[3][0]       62         12_EOTEXPosDepDmpTbIY_MtrNmpRadps_u0p16[3][1]       87         12_EOTPosDepDmpTbIX_HwDeg_u12p4[0][0]       512         12_EOTPosDepDmpTbIX_HwDeg_u12p4[0][1]       1152  |  |             |
| 2_EOTEXPosDepDmpTblY_MtrNmpRadps_u0p16[0][1]       44         2_EOTEXPosDepDmpTblY_MtrNmpRadps_u0p16[1][0]       16         2_EOTEXPosDepDmpTblY_MtrNmpRadps_u0p16[1][1]       22         2_EOTEXPosDepDmpTblY_MtrNmpRadps_u0p16[2][0]       4         2_EOTEXPosDepDmpTblY_MtrNmpRadps_u0p16[2][1]       26         2_EOTEXPosDepDmpTblY_MtrNmpRadps_u0p16[3][0]       62         2_EOTEXPosDepDmpTblY_MtrNmpRadps_u0p16[3][1]       87         2_EOTPosDepDmpTblX_HwDeg_u12p4[0][0]       512         2_EOTPosDepDmpTblX_HwDeg_u12p4[0][1]       1152  |  |             |
| 2_EOTEXPosDepDmpTblY_MtrNmpRadps_u0p16[1][0]       16         2_EOTEXPosDepDmpTblY_MtrNmpRadps_u0p16[1][1]       22         2_EOTEXPosDepDmpTblY_MtrNmpRadps_u0p16[2][0]       4         2_EOTEXPosDepDmpTblY_MtrNmpRadps_u0p16[2][1]       26         2_EOTEXPosDepDmpTblY_MtrNmpRadps_u0p16[3][0]       62         2_EOTEXPosDepDmpTblY_MtrNmpRadps_u0p16[3][1]       87         2_EOTPosDepDmpTblX_HwDeg_u12p4[0][0]       512         2_EOTPosDepDmpTblX_HwDeg_u12p4[0][1]       1152  |  |             |
| 12_EOTEXPOSDepDmpTblY_MtrNmpRadps_u0p16[1][1]       22         12_EOTEXPOSDepDmpTblY_MtrNmpRadps_u0p16[2][0]       4         12_EOTEXPOSDepDmpTblY_MtrNmpRadps_u0p16[2][1]       26         12_EOTEXPOSDepDmpTblY_MtrNmpRadps_u0p16[3][0]       62         12_EOTEXPOSDepDmpTblY_MtrNmpRadps_u0p16[3][1]       87         12_EOTPosDepDmpTblX_HwDeg_u12p4[0][0]       512         12_EOTPosDepDmpTblX_HwDeg_u12p4[0][1]       1152   |  |             |
| 2_EOTExPosDepDmpTblY_MtrNmpRadps_u0p16[2][0]       4         2_EOTExPosDepDmpTblY_MtrNmpRadps_u0p16[2][1]       26         2_EOTExPosDepDmpTblY_MtrNmpRadps_u0p16[3][0]       62         2_EOTExPosDepDmpTblY_MtrNmpRadps_u0p16[3][1]       87         2_EOTPosDepDmpTblX_HwDeg_u12p4[0][0]       512         2_EOTPosDepDmpTblX_HwDeg_u12p4[0][1]       1152  |  |             |
| 22_EOTExPosDepDmpTblY_MtrNmpRadps_u0p16[2][1]       26         22_EOTExPosDepDmpTblY_MtrNmpRadps_u0p16[3][0]       62         22_EOTExPosDepDmpTblY_MtrNmpRadps_u0p16[3][1]       87         22_EOTPosDepDmpTblX_HwDeg_u12p4[0][0]       512         2_EOTPosDepDmpTblX_HwDeg_u12p4[0][1]       1152   |  |             |
| 2_EOTExPosDepDmpTbIY_MtrNmpRadps_u0p16[3][0]       62         2_EOTExPosDepDmpTbIY_MtrNmpRadps_u0p16[3][1]       87         2_EOTPosDepDmpTbIX_HwDeg_u12p4[0][0]       512         2_EOTPosDepDmpTbIX_HwDeg_u12p4[0][1]       1152   |  |             |
| 2_EOTExPosDepDmpTblY_MtrNmpRadps_u0p16[3][1]       87         2_EOTPosDepDmpTblX_HwDeg_u12p4[0][0]       512         2_EOTPosDepDmpTblX_HwDeg_u12p4[0][1]       1152   |  |             |
| 2_EOTPosDepDmpTblX_HwDeg_u12p4[0][0]       512         2_EOTPosDepDmpTblX_HwDeg_u12p4[0][1]       1152   |  |             |
| 2_EOTPosDepDmpTblX_HwDeg_u12p4[0][1] 1152  |  |             |
|  |  |             |
|  |  |             |
|  | EOTPosDepDmpTblX_HwDeg_u12p4[1][0]       | 672         |
| 2_EOTPosDepDmpTblX_HwDeg_u12p4[1][1] 1056  | EOTPosDepDmpTbIX_HwDeg_u12p4[1][1]       |             |
| 2_EOTPosDepDmpTblX_HwDeg_u12p4[2][0] 704   | EOTPosDepDmpTblX_HwDeg_u12p4[2][0]       | 704         |
| 2_EOTPosDepDmpTblX_HwDeg_u12p4[2][1] 4048  | EOTPosDepDmpTblX_HwDeg_u12p4[2][1]       | 4048        |
| 2_EOTPosDepDmpTblX_HwDeg_u12p4[3][0] 432   | EOTPosDepDmpTblX_HwDeg_u12p4[3][0]       | 432         |
| 2_EOTPosDepDmpTblX_HwDeg_u12p4[3][1] 576   | EOTPosDepDmpTblX_HwDeg_u12p4[3][1]       | 576         |
| 2_EOTPosDepDmpTblY_MtrNmpRadpS_u0p16[0][0] 44  | EOTPosDepDmpTblY_MtrNmpRadpS_u0p16[0][0] | 44          |
| 2_EOTPosDepDmpTblY_MtrNmpRadpS_u0p16[0][1] 315   |  | 315         |
| 2_EOTPosDepDmpTblY_MtrNmpRadpS_u0p16[1][0] 88  |  |             |
| 2_EOTPosDepDmpTblY_MtrNmpRadpS_u0p16[1][1] 12  |  |             |
| 2_EOTPosDepDmpTblY_MtrNmpRadpS_u0p16[2][0] 92  |  |             |
| 2_EOTPosDepDmpTblY_MtrNmpRadpS_u0p16[2][1] 130   |  |             |
| 2_EOTPosDepDmpTblY_MtrNmpRadpS_u0p16[3][0] 99  |  |             |
|  |  |             |
|  |  |             |
| _EOTDmpVspd_Kph_u9p7[0] 4096   |  |             |
| _EOTDmpVspd_Kph_u9p7[1] 12160  |  |             |
| :_EOTDmpVspd_Kph_u9p7[2] 12288   | סוטווףvspa_kpn_u9p/[2]                   | 12200       |
| t EOTDmpVspd Kph u9p7[3] 12416   |  |             |

2015-06-29, 18:31:27+0530



EOTActuatorMng\_Per1

| EUTActuatoriving_Peri  |   | I OZ                           | CIGO     |
|--|---|--------------------------------|----------|
| Name   | Input Value                             |                                |          |
| t_EOTEnterGainVspd_Kph_u9p7[0]   | 4096                                    |                                |          |
| t_EOTEnterGainVspd_Kph_u9p7[1]   | 12160                                   |                                |          |
| t_EOTEnterGainVspd_Kph_u9p7[2]   | 12288                                   |                                |          |
| t_EOTEnterGainVspd_Kph_u9p7[3]   | 12416                                   |                                |          |
| t_SpdlptTblXTbl_HwDeg_u12p4[0]   | 32                                      |                                |          |
| t_SpdlptTblXTbl_HwDeg_u12p4[1]   | 256                                     |                                |          |
| t_SpdlptTblYTbl_MtrRadpS_u12p4[0]  | 432                                     |                                |          |
| t_SpdlptTblYTbl_MtrRadpS_u12p4[1]  | 576                                     |                                |          |
| t_TrqTableX_HwNm_u8p8[0]   | 512                                     |                                |          |
| t_TrqTableX_HwNm_u8p8[1]   | 1792                                    |                                |          |
| t_TrqTbIY_UIs_u2p14[0]   | 49                                      |                                |          |
| t_TrqTblY_Uls_u2p14[1]   | 492                                     |                                |          |
| target_EOTActuatorMng_Per1_CcwEOT_HwDeg_f32.value  | -775.780029                             |                                |          |
| target_EOTActuatorMng_Per1_CcwFound_Cnt_lgc.value  | 1                                       |                                |          |
| target_EOTActuatorMng_Per1_CwEOT_HwDeg_f32.value   | 850.21698                               |                                |          |
| target_EOTActuatorMng_Per1_CwFound_Cnt_lgc.value   | 1                                       |                                |          |
| target_EOTActuatorMng_Per1_EOTDisable_Cnt_lgc.value  | 0                                       |                                |          |
| target_EOTActuatorMng_Per1_HandWheelAuth_Uls_f32.value   | 0.819999993                             |                                |          |
| target_EOTActuatorMng_Per1_HandWheelPos_HwDeg_f32.value  | 700.049988                              |                                |          |
| target_EOTActuatorMng_Per1_HwTorque_HwNm_f32.value   | 0                                       |                                |          |
| target_EOTActuatorMng_Per1_MotorVel_MtrRadpS_f32.value   | 0.300000012                             |                                |          |
| target_EOTActuatorMng_Per1_OutputRampMultLtd_Uls_f32.value   | 0                                       |                                |          |
| target_EOTActuatorMng_Per1_VehicleSpeed_Kph_f32.value  | 11.0299997                              |                                |          |
| target_Rte_Inst_Ap_EOTActuatorMng.EOTActuatorMng_Per1_AssistEOTDa  | amping_ target_EOTActuatorMng_Per1_Ass  | sistEOTDamping_MtrNm_f32       |          |
| target Rte Inst Ap EOTActuatorMng.EOTActuatorMng Per1 AssistEOTGa  | ain Uls target_EOTActuatorMng_Per1_Ass  | sistEOTGain_Uls_f32            |          |
| $target\_Rte\_Inst\_Ap\_EOTActuatorMng.EOTActuatorMng\_Per1\_AssistEOTLinderserver and the state of t$ | mit_Mtrl target_EOTActuatorMng_Per1_Ass | sistEOTLimit_MtrNm_f32         |          |
| target_Rte_Inst_Ap_EOTActuatorMng.EOTActuatorMng_Per1_CcwEOT_Hw  | Deg_f3 target_EOTActuatorMng_Per1_Co    | wEOT_HwDeg_f32                 |          |
| target_Rte_Inst_Ap_EOTActuatorMng.EOTActuatorMng_Per1_CcwFound_C   | Cnt_lgc target_EOTActuatorMng_Per1_Co   | wFound_Cnt_lgc                 |          |
| target_Rte_Inst_Ap_EOTActuatorMng.EOTActuatorMng_Per1_CwEOT_HwE  | Deg_f32 target_EOTActuatorMng_Per1_Cw   | EOT_HwDeg_f32                  |          |
| target_Rte_Inst_Ap_EOTActuatorMng.EOTActuatorMng_Per1_CwFound_Cr   | nt_lgc target_EOTActuatorMng_Per1_Cw    | Found_Cnt_lgc                  |          |
| target_Rte_Inst_Ap_EOTActuatorMng.EOTActuatorMng_Per1_EOTDisable_  | Cnt_lgc target_EOTActuatorMng_Per1_EO   | TDisable_Cnt_lgc               |          |
| target_Rte_Inst_Ap_EOTActuatorMng.EOTActuatorMng_Per1_HandWheelA   | uth_Uls target_EOTActuatorMng_Per1_Ha   | ndWheelAuth_Uls_f32            |          |
| target_Rte_Inst_Ap_EOTActuatorMng.EOTActuatorMng_Per1_HandWheelP   | os_Hwl target_EOTActuatorMng_Per1_Ha    | ndWheelPos_HwDeg_f32           |          |
| target Rte Inst Ap EOTActuatorMng.EOTActuatorMng Per1 HwTorque H   | wNm f target_EOTActuatorMng_Per1_Hw     | Torque_HwNm_f32                |          |
| target_Rte_Inst_Ap_EOTActuatorMng.EOTActuatorMng_Per1_MotorVel_Mtr   | rRadpS target_EOTActuatorMng_Per1_Mo    | torVel_MtrRadpS_f32            |          |
| target_Rte_Inst_Ap_EOTActuatorMng.EOTActuatorMng_Per1_OutputRampl  | MultLtd_ target_EOTActuatorMng_Per1_Ou  | tputRampMultLtd_Uls_f32        |          |
| target_Rte_Inst_Ap_EOTActuatorMng.EOTActuatorMng_Per1_VehicleSpeed   | d_Kph_ target_EOTActuatorMng_Per1_Vel   | hicleSpeed_Kph_f32             |          |
| Name   | Actual Value                            | Expected Value                 | Result   |
| EOTActuatorMng_Damping_MtrNm_M_f32   | 0.000201416027                          | 0.000201415998 ± 0.0000390625  | -        |
| EOTActuatorMng_EOTImpactPos_HwDeg_M_f32  | 400                                     | 400 ± 0.0000390625             | <b>✓</b> |
| EOTActuatorMng_FiltEOTGainSV_HwNm_M_u1p31  | 572430069                               | 572430069 ± 1                  | -        |
| EOTActuatorMng_FiltHWTrqSV_HwNm_M_s7p24  | 110470957                               | 110470957 ± 1                  | -        |
| EOTActuatorMng_OutputRampMultLtd_M_f32   | 0                                       | 0 ± 0.00390625                 | <b>✓</b> |
| EOTActuatorMng_PrevEOTGain_Uls_M_f32   | 0.266540527                             | 0.266540527 ± 0.0625           | <b>✓</b> |
| EOTActuatorMng_SESState_Uls_M_enum   | SES_DISABLED                            | SES_DISABLED                   | ~        |
| terrest FOTA strates Mars Dord Assist FOTD ampines Mitching 600 years  | 0.000001416007                          | 0.000201415000 + 0.00040020125 |          |

| T  |       |  |       | V        |
|--|-------|--|-------|----------|
| Actual Function                                    | Count | Expected Function                                  | Count | Result   |
| Rte_Call_EOTActuatorMng_Per1_CP0_CheckpointReached | 1     | Rte_Call_EOTActuatorMng_Per1_CP0_CheckpointReached | 1     | -        |
| EOTDetermination                                   | 1     | EOTDetermination                                   | 1     | ~        |
| EOTOrigImpact                                      | 1     | EOTOrigImpact                                      | 1     | ~        |
| IntplVarXY_u16_u16Xu16Y_Cnt                        | 1     | IntplVarXY_u16_u16Xu16Y_Cnt                        | 1     | ~        |
| SES_DetLmtPos                                      | 1     | SES_DetLmtPos                                      | 1     | -        |
| SES_CalcExitGain                                   | 1     | SES_CalcExitGain                                   | 1     | <b>✓</b> |
| IntplVarXY_u16_u16Xu16Y_Cnt                        | 1     | IntplVarXY_u16_u16Xu16Y_Cnt                        | 1     | ~        |
| SES_CalcEnterGain                                  | 1     | SES_CalcEnterGain                                  | 1     | <b>✓</b> |
| BilinearXMYM_u16_u16XMu16YM_Cnt                    | 1     | BilinearXMYM_u16_u16XMu16YM_Cnt                    | 1     | •        |
| SES_CalcEOTGain                                    | 1     | SES_CalcEOTGain                                    | 1     | ~        |
| SES_FiltEOTGain                                    | 1     | SES_FiltEOTGain                                    | 1     | ~        |
| SES_CalcEOTDamp                                    | 1     | SES_CalcEOTDamp                                    | 1     | ~        |
| BilinearXMYM_u16_u16XMu16YM_Cnt                    | 1     | BilinearXMYM_u16_u16XMu16YM_Cnt                    | 1     | -        |
| SES_StateCtrl                                      | 1     | SES_StateCtrl                                      | 1     | ~        |
| Rte Call EOTActuatorMng Per1 CP1 CheckpointReached | 1     | Rte Call EOTActuatorMng Per1 CP1 CheckpointReached | 1     | -        |

0.000201416027

0.266540527

0.528002918

| Test Step 2.64 (Repeat Count = 1)  | <b>✓</b>    |
|------------------------------------|-------------|
| Name                               | Input Value |
| EOTActuatorMng_Damping_MtrNm_M_f32 | 8.10000038  |

 $target\_EOTActuatorMng\_Per1\_AssistEOTDamping\_MtrNm\_f32.value$ 

target\_EOTActuatorMng\_Per1\_AssistEOTGain\_Uls\_f32.value

target\_EOTActuatorMng\_Per1\_AssistEOTLimit\_MtrNm\_f32.value

0.000201415998 ± 0.00048828125

0.266540527 ± 0.0000390625

0.528002918 ± 0.00048828125

EOTActuatorMng\_Per1

2015-06-29, 18:31:27+0530



| EOTActuatorwing_Per i                                    | TOLO (M                           |
|--|-----------------------------------|
| Name   | Input Value                       |
| EOTActuatorMng_EOTImpactPos_HwDeg_M_f32                  | 456.540009                        |
| EOTActuatorMng_FiltEOTGainSV_HwNm_M_u1p31                | 365072220                         |
| EOTActuatorMng_FiltHWTrqSV_HwNm_M_s7p24                  | -111736259                        |
| EOTActuatorMng_PrevEOTGain_Uls_M_f32                     | 0.319999993                       |
| EOTActuatorMng_SESState_Uls_M_enum                       | SES_ENTERING                      |
| Rte_Inst_Ap_EOTActuatorMng                               | target_Rte_Inst_Ap_EOTActuatorMng |
| _EOTActiveRegionBypassMaxThresh_Uls_f32                  | 0.61500001                        |
| C_EOTDefltPosition_HwDeg_u12p4                           | 8000                              |
|  | 768                               |
| EOTDynConf_Uls_u8p8                                      | 10240                             |
| EOTEnterLPFKn_Cnt_u16                                    | 799                               |
| _EOTExitLPFKn_Cnt_u16                                    | 444                               |
| _EOTImpSpdEn_Kph_u9p7                                    | 5760                              |
| _EOTOriginalImpactandSoftEnd_Cnt_lgc                     | 0                                 |
| _EOTPosDepDempFinalSlew_MtrNmpS_T_f32                    | 290.440002                        |
| _EOTStateHwTrqLPFKn_Cnt_u16                              | 8888                              |
| LOTStaterIWTIqLFFRIT_CIT_UT0<br>_MaxRackTrvI_HwDeg_u12p4 | 7104                              |
|  |                                   |
| _MinRackTrvl_HwDeg_u12p4                                 | 15616                             |
| _PosRampStep_HwDeg_u12p4                                 | 10816                             |
| _SoftStopEOTEnable_Cnt_lgc                               | 1                                 |
| _SpdlptScale_MtrNmpRadpS_u4p12                           | 81                                |
| 2_EOTEnterGainX_HwDeg_u12p4[0][0]                        | 1440                              |
| 2_EOTEnterGainX_HwDeg_u12p4[0][1]                        | 1600                              |
| 2_EOTEnterGainX_HwDeg_u12p4[0][2]                        | 1760                              |
| 2_EOTEnterGainX_HwDeg_u12p4[0][3]                        | 1920                              |
| P_EOTEnterGainX_HwDeg_u12p4[1][0]                        | 528                               |
| 2_EOTEnterGainX_HwDeg_u12p4[1][1]                        | 1568                              |
| 2_EOTEnterGainX_HwDeg_u12p4[1][2]                        | 1584                              |
| 2_EOTEnterGainX_HwDeg_u12p4[1][3]                        | 1600                              |
| 2_EOTEnterGainX_HwDeg_u12p4[2][0]                        | 1168                              |
| 2_EOTEnterGainX_HwDeg_u12p4[2][1]                        | 3488                              |
| 2_EOTEnterGainX_HwDeg_u12p4[2][2]                        | 3504                              |
| 2_EOTEnterGainX_HwDeg_u12p4[2][3]                        | 3520                              |
| 2_EOTEnterGainX_HwDeg_u12p4[3][0]                        | 1808                              |
| 2_EOTEnterGainX_HwDeg_u12p4[3][1]                        | 5408                              |
| 2_EOTEnterGainX_HwDeg_u12p4[3][2]                        | 5424                              |
| 2_EOTEnterGainX_HwDeg_u12p4[3][3]                        | 5440                              |
| 2_EOTEnterGainY_Uls_u1p15[0][0]                          | 5                                 |
| 2 EOTEnterGainY Uls u1p15[0][1]                          | 6                                 |
| 2 EOTEnterGainY Uls u1p15[0][2]                          | 29                                |
| 2_EOTEnterGainY_Uls_u1p15[0][3]                          | 288                               |
|  | 6                                 |
| 2_EOTEnterGain1_0is_u1p15[1][0]                          | 7                                 |
| 2_EOTEnterGainY_Uls_u1p15[1][2]                          | 59                                |
| 2_EOTEnterGain1_0is_u1p15[1][2]                          | 573                               |
|  | 478                               |
| 2_EOTEnterGainY_Uls_u1p15[2][0]                          |                                   |
| 2_EOTEnterGainY_Uls_u1p15[2][1]                          | 49                                |
| 2_EOTEnterGainY_Uls_u1p15[2][2]                          | 6                                 |
| 2_EOTEnterGainY_Uls_u1p15[2][3]                          | 6                                 |
| 2_EOTEnterGainY_Uls_u1p15[3][0]                          | 1049                              |
| 2_EOTEnterGainY_Uls_u1p15[3][1]                          | 108                               |
| 2_EOTEnterGainY_Uls_u1p15[3][2]                          | 8                                 |
| 2_EOTEnterGainY_Uls_u1p15[3][3]                          | 8                                 |
| 2_EOTExPosDepDmpTblY_MtrNmpRadps_u0p16[0][0]             | 76                                |
| P_EOTExPosDepDmpTblY_MtrNmpRadps_u0p16[0][1]             | 108                               |
| 2_EOTExPosDepDmpTblY_MtrNmpRadps_u0p16[1][0]             | 122                               |
| 2_EOTExPosDepDmpTblY_MtrNmpRadps_u0p16[1][1]             | 173                               |
| P_EOTExPosDepDmpTblY_MtrNmpRadps_u0p16[2][0]             | 122                               |
| 2_EOTExPosDepDmpTblY_MtrNmpRadps_u0p16[2][1]             | 173                               |
| 2_EOTExPosDepDmpTblY_MtrNmpRadps_u0p16[3][0]             | 77                                |
| P_EOTExPosDepDmpTblY_MtrNmpRadps_u0p16[3][1]             | 108                               |
|  | 544                               |
| P_EOTPosDepDmpTblX_HwDeg_u12p4[0][1]                     | 1168                              |
| P_EOTPosDepDmpTbIX_HwDeg_u12p4[1][0]                     | 688                               |
| P_EOTPosDepDmpTblX_HwDeg_u12p4[1][1]                     | 1072                              |
| P_EOTPosDepDmpTblX_HwDeg_u12p4[2][0]                     | 784                               |
| P_EOTPosDepDmpTblX_HwDeg_u12p4[2][1]                     | 4064                              |
|  | 448                               |
| 2_EOTPosDepDmpTblX_HwDeg_u12p4[3][0]                     |                                   |
| 2_EOTPosDepDmpTblX_HwDeg_u12p4[3][1]                     | 592                               |
| 2_EOTPosDepDmpTblY_MtrNmpRadpS_u0p16[0][0]               | 1                                 |
| 2_EOTPosDepDmpTblY_MtrNmpRadpS_u0p16[0][1]               | 109                               |
| 2_EOTPosDepDmpTblY_MtrNmpRadpS_u0p16[1][0]               | 259                               |
| 2_EOTPosDepDmpTblY_MtrNmpRadpS_u0p16[1][1]               | 183                               |

EOTActuatorMng Per1

2015-06-29, 18:31:27+0530



Input Value t2\_EOTPosDepDmpTblY\_MtrNmpRadpS\_u0p16[2][0] 102 t2\_EOTPosDepDmpTblY\_MtrNmpRadpS\_u0p16[2][1] 452 t2 EOTPosDepDmpTblY MtrNmpRadpS u0p16[3][0] t2\_EOTPosDepDmpTblY\_MtrNmpRadpS\_u0p16[3][1] 713 t EOTDmpVspd Kph u9p7[0] 4224 t\_EOTDmpVspd\_Kph\_u9p7[1] 12544 t\_EOTDmpVspd\_Kph\_u9p7[2] 12672  $t\_EOTDmpVspd\_Kph\_u9p7[3]$ 12800 t\_EOTEnterGainVspd\_Kph\_u9p7[0] 4224 t\_EOTEnterGainVspd\_Kph\_u9p7[1] 12544 t\_EOTEnterGainVspd\_Kph\_u9p7[2] 12672 t\_EOTEnterGainVspd\_Kph\_u9p7[3] 12800 t\_SpdlptTblXTbl\_HwDeg\_u12p4[0] 16 t\_SpdlptTblXTbl\_HwDeg\_u12p4[1] 272 t\_SpdlptTblYTbl\_MtrRadpS\_u12p4[0] 448 t\_SpdIptTbIYTbI\_MtrRadpS\_u12p4[1] 592 t\_TrqTableX\_HwNm\_u8p8[0] 512 t\_TrqTableX\_HwNm\_u8p8[1] 1536 t\_TrqTblY\_Uls\_u2p14[0] 66 655 t TrqTblY Uls u2p14[1]  $target\_EOTActuatorMng\_Per1\_CcwEOT\_HwDeg\_f32.value$ -666.450012 target\_EOTActuatorMng\_Per1\_CcwFound\_Cnt\_lgc.value 0  $target\_EOTActuatorMng\_Per1\_CwEOT\_HwDeg\_f32.value$ 777.539978 target\_EOTActuatorMng\_Per1\_CwFound\_Cnt\_lgc.value 0  $target\_EOTActuatorMng\_Per1\_EOTD is able\_Cnt\_lgc.value$ target\_EOTActuatorMng\_Per1\_HandWheelAuth\_Uls\_f32.value 0.449999988 target\_EOTActuatorMng\_Per1\_HandWheelPos\_HwDeg\_f32.value -600.039978  $target\_EOTActuatorMng\_Per1\_HwTorque\_HwNm\_f32.value$ -5 target\_EOTActuatorMng\_Per1\_MotorVel\_MtrRadpS\_f32.value -0.400000006  $target\_EOTActuatorMng\_Per1\_OutputRampMultLtd\_Uls\_f32.value$ target EOTActuatorMng Per1 VehicleSpeed Kph f32.value 15.04 target\_Rte\_Inst\_Ap\_EOTActuatorMng\_EOTActuatorMng\_Per1\_AssistEOTDamping\_ target\_EOTActuatorMng\_Per1\_AssistEOTDamping\_MtrNm\_f32

target\_Rte\_Inst\_Ap\_EOTActuatorMng\_EOTActuatorMng\_Per1\_AssistEOTDamping\_ target\_Rte\_Inst\_Ap\_EOTActuatorMng\_EOTActuatorMng\_Per1\_AssistEOTGain\_Uls\_ target\_Rte\_Inst\_Ap\_EOTActuatorMng\_EOTActuatorMng\_Per1\_AssistEOTGain\_Uls\_ fazget\_Rte\_Inst\_Ap\_EOTActuatorMng\_EOTActuatorMng\_Per1\_AssistEOTLimit\_Mtrn fazget\_Rte\_Inst\_Ap\_EOTActuatorMng\_EOTActuatorMng\_Per1\_CcwEOT\_HwDeg\_f3 target\_Rte\_Inst\_Ap\_EOTActuatorMng\_EOTActuatorMng\_Per1\_CcwEOT\_HwDeg\_f3 target\_Rte\_Inst\_Ap\_EOTActuatorMng\_EOTActuatorMng\_Per1\_CcwEOT\_HwDeg\_f32 target\_Rte\_Inst\_Ap\_EOTActuatorMng\_EOTActuatorMng\_Per1\_CwEOT\_HwDeg\_f32 target\_Rte\_Inst\_Ap\_EOTActuatorMng\_EOTActuatorMng\_Per1\_CwEOT\_HwDeg\_f32 target\_Rte\_Inst\_Ap\_EOTActuatorMng\_EOTActuatorMng\_Per1\_CwEOT\_HwDeg\_f32 target\_Rte\_Inst\_Ap\_EOTActuatorMng\_EOTActuatorMng\_Per1\_CwFound\_Cnt\_lgc target\_Rte\_Inst\_Ap\_EOTActuatorMng\_EOTActuatorMng\_Per1\_EOTDisable\_Cnt\_lgc target\_Rte\_Inst\_Ap\_EOTActuatorMng\_EOTActuatorMng\_Per1\_HandWheelAuth\_Uls target\_Rte\_Inst\_Ap\_EOTActuatorMng\_EOTActuatorMng\_Per1\_HandWheelPos\_HwI target\_Rte\_Inst\_Ap\_EOTActuatorMng\_EOTActuatorMng\_Per1\_HandWheelPos\_HwI target\_Rte\_Inst\_Ap\_EOTActuatorMng\_EOTActuatorMng\_Per1\_HandWheelPos\_HwI target\_EOTActuatorMng\_Per1\_HandWheelPos\_HwI target\_EOTActuatorMng\_Per1\_HandWheelPos

| target_Rte_inst_Ap_EOTActuatorwing.EOTActuatorwing_PerT_venicleSpeed_Rpn_ | target_EOTActuatoriving_PerT_venicleSpeed | 1_Kpn_132                  |          |
|---|---|----------------------------|----------|
| Name  | Actual Value                              | Expected Value             | Result   |
| EOTActuatorMng_Damping_MtrNm_M_f32  | 7.51912022                                | 7.51912022 ± 0.0000390625  | ~        |
| EOTActuatorMng_EOTImpactPos_HwDeg_M_f32                                   | 456.540009                                | 456.540009 ± 0.0000390625  | ~        |
| EOTActuatorMng_FiltEOTGainSV_HwNm_M_u1p31                                 | 360851902                                 | 360851902 ± 1              | •        |
| EOTActuatorMng_FiltHWTrqSV_HwNm_M_s7p24                                   | -85205579                                 | -85205579 ± 1              | <b>✓</b> |
| EOTActuatorMng_OutputRampMultLtd_M_f32                                    | 1   | 1 ± 0.00390625             | •        |
| EOTActuatorMng_PrevEOTGain_Uls_M_f32                                      | 0.168029785                               | 0.168029785 ± 0.0625       | •        |
| EOTActuatorMng_SESState_Uls_M_enum  | SES_DISABLED                              | SES_DISABLED               | •        |
| target_EOTActuatorMng_Per1_AssistEOTDamping_MtrNm_f32.value               | 7.51912022                                | 7.51912022 ± 0.00048828125 | ~        |
| target_EOTActuatorMng_Per1_AssistEOTGain_Uls_f32.value                    | 0.168029785                               | 0.168029785 ± 0.0000390625 | ~        |
| target EOTActuatorMng Per1 AssistEOTLimit MtrNm f32.value                 | 8.80000019                                | 8.80000019 ± 0.00048828125 | <b>✓</b> |

|  |       |  |       | ✓        |
|--|-------|--|-------|----------|
| Actual Function                                    | Count | Expected Function                                  | Count | Result   |
| Rte_Call_EOTActuatorMng_Per1_CP0_CheckpointReached | 1     | Rte_Call_EOTActuatorMng_Per1_CP0_CheckpointReached | 1     | ~        |
| EOTDetermination                                   | 1     | EOTDetermination                                   | 1     | •        |
| SES_DetLmtPos                                      | 1     | SES_DetLmtPos                                      | 1     | ~        |
| SES_CalcExitGain                                   | 1     | SES_CalcExitGain                                   | 1     | <b>✓</b> |
| IntplVarXY_u16_u16Xu16Y_Cnt                        | 1     | IntplVarXY_u16_u16Xu16Y_Cnt                        | 1     | ~        |
| SES_CalcEnterGain                                  | 1     | SES_CalcEnterGain                                  | 1     | ~        |
| BilinearXMYM_u16_u16XMu16YM_Cnt                    | 1     | BilinearXMYM_u16_u16XMu16YM_Cnt                    | 1     | •        |
| SES_CalcEOTGain                                    | 1     | SES_CalcEOTGain                                    | 1     | ~        |
| SES_FiltEOTGain                                    | 1     | SES_FiltEOTGain                                    | 1     | ~        |
| SES_CalcEOTDamp                                    | 1     | SES_CalcEOTDamp                                    | 1     | <b>✓</b> |
| BilinearXMYM_u16_u16XMu16YM_Cnt                    | 1     | BilinearXMYM_u16_u16XMu16YM_Cnt                    | 1     | ~        |
| SES_StateCtrl                                      | 1     | SES_StateCtrl                                      | 1     | ~        |
| Rte_Call_EOTActuatorMng_Per1_CP1_CheckpointReached | 1     | Rte_Call_EOTActuatorMng_Per1_CP1_CheckpointReached | 1     | ~        |



| Test Step 2.65 (Repeat Count = 1)  | <b>✓</b>           |
|--|--------------------|
| Name Input Value   |                    |
| EOTActuatorMng_Damping_MtrNm_M_f32 8.19999981  |                    |
| EOTActuatorMng_EOTImpactPos_HwDeg_M_f32 345.653992   |                    |
| EOTActuatorMng_FiltEOTGainSV_HwNm_M_u1p31 1997159793   |                    |
| EOTActuatorMng_FiltHWTrqSV_HwNm_M_s7p24 93113549   |                    |
| EOTActuatorMng_PrevEOTGain_Uls_M_f32 0.209999993   |                    |
| EOTActuatorMng_SESState_Uls_M_enum SES_NORMAI  |                    |
| Rte_Inst_Ap_EOTActuatorMng target_Rte_Inst   | _Ap_EOTActuatorMng |
| k_EOTActiveRegionBypassMaxThresh_Uls_f32 0.200000003   |                    |
| k_EOTDefltPosition_HwDeg_u12p4 9600  |                    |
| k_EOTDeltaTrqThrsh_HwNm_u9p7 640   |                    |
| k_EOTDynConf_Uls_u8p8 12800  |                    |
| k_EOTEnterLPFKn_Cnt_u16 600<br>k_EOTExitLPFKn_Cnt_u16 555                                      |                    |
| k_EOTExitLPFKn_Cnt_u16   |                    |
| k_EOTOriginalImpactandSoftEnd_Cnt_lgc 1  |                    |
| k_EOTPosDepDempFinalSlew_MtrNmpS_T_f32 390.440002  |                    |
| k_EOTStateHwTrqLPFKn_Cnt_u16 7777  |                    |
| k MaxRackTrvI HwDeg u12p4 8880   |                    |
| k_MinRackTrvl_HwDeg_u12p4 14336  |                    |
| k_PosRampStep_HwDeg_u12p4 4096   |                    |
| k_SoftStopEOTEnable_Cnt_lgc 0  |                    |
| k_SpdlptScale_MtrNmpRadpS_u4p12 82   |                    |
| t2_EOTEnterGainX_HwDeg_u12p4[0][0] 0   |                    |
| t2_EOTEnterGainX_HwDeg_u12p4[0][1] 96  |                    |
| t2_EOTEnterGainX_HwDeg_u12p4[0][2] 160   |                    |
| t2_EOTEnterGainX_HwDeg_u12p4[0][3] 352   |                    |
| t2_EOTEnterGainX_HwDeg_u12p4[1][0] 544   |                    |
| 12_EOTEnterGainX_HwDeg_u12p4[1][1] 1616  |                    |
| t2_EOTEnterGainX_HwDeg_u12p4[1][2] 1632<br>t2_EOTEnterGainX_HwDeg_u12p4[1][3] 1648             |                    |
| t2_EOTEnterGainX_HwDeg_u12p4[1][0] 1184  |                    |
| t2_EOTEnterGainX_HwDeg_u12p4[2][1] 3536  |                    |
| t2_EOTEnterGainX_HwDeg_u12p4[2][2] 3552  |                    |
| t2_EOTEnterGainX_HwDeg_u12p4[2][3] 3568  |                    |
| t2_EOTEnterGainX_HwDeg_u12p4[3][0] 1824  |                    |
| t2_EOTEnterGainX_HwDeg_u12p4[3][1] 5456  |                    |
| t2_EOTEnterGainX_HwDeg_u12p4[3][2] 5472  |                    |
| t2_EOTEnterGainX_HwDeg_u12p4[3][3] 5488  |                    |
| t2_EOTEnterGainY_Uls_u1p15[0][0] 5   |                    |
| t2_EOTEnterGainY_Uls_u1p15[0][1] 6   |                    |
| t2_EOTEnterGainY_Uls_u1p15[0][2] 39  |                    |
| t2_EOTEnterGainY_Uls_u1p15[0][3] 383   |                    |
| t2_EOTEnterGainY_Uls_u1p15[1][0] 6   |                    |
| t2_EOTEnterGainY_UIs_u1p15[1][1] 7   |                    |
| t2_EOTEnterGainY_Uls_u1p15[1][2] 69<br>t2_EOTEnterGainY_Uls_u1p15[1][3] 668                    |                    |
| t2_EOTEnterGainY_Uls_u1p15[1][3] 668<br>t2_EOTEnterGainY_Uls_u1p15[2][0] 573                   |                    |
| t2_EOTEINErGainT_UIs_u1p15[2][0] 573 t2_EOTEINErGainT_UIs_u1p15[2][1] 59                       |                    |
| t2_EOTEnterGainY_Uls_u1p15[2][2] 6   |                    |
| t2_EOTEnterGainY_Uls_u1p15[2][3] 7   |                    |
| t2_EOTEnterGainY_Uls_u1p15[3][0] 1144  |                    |
| 12_EOTEnterGainY_Uls_u1p15[3][1] 118   |                    |
| t2_EOTEnterGainY_Uls_u1p15[3][2] 8   |                    |
| t2_EOTEnterGainY_Uls_u1p15[3][3] 9   |                    |
| t2_EOTExPosDepDmpTblY_MtrNmpRadps_u0p16[0][0] 62   |                    |
| t2_EOTExPosDepDmpTblY_MtrNmpRadps_u0p16[0][1] 87   |                    |
| t2_EOTExPosDepDmpTblY_MtrNmpRadps_u0p16[1][0] 137  |                    |
| t2_EOTExPosDepDmpTblY_MtrNmpRadps_u0p16[1][1] 194  |                    |
| t2_EOTExPosDepDmpTblY_MtrNmpRadps_u0p16[2][0] 137  |                    |
| t2_EOTExPosDepDmpTblY_MtrNmpRadps_u0p16[2][1] 194  |                    |
| t2_EOTExPosDepDmpTblY_MtrNmpRadps_u0p16[3][0] 92   |                    |
| t2_EOTExPosDepDmpTblY_MtrNmpRadps_u0p16[3][1] 130<br>t2_EOTPosDepDmpTblX_HwDeq_u12p4[0][0] 576 |                    |
| t2_EOTPosDepDmpTblX_HwDeg_u12p4[0][0] 576 t2_EOTPosDepDmpTblX_HwDeg_u12p4[0][1] 1184           |                    |
| t2_EOTPosDepDmpTblX_HwDeg_u12p4[0][1] 704  |                    |
| t2_EOTPosDepDmpTblX_HwDeg_u12p4[1][1] 1088   |                    |
|  |                    |
| t2_EOTPosDepDmpTblX_HwDeg_u12p4[2][0] 768  |                    |
| t2_EOTPosDepDmpTblX_HwDeg_u12p4[2][0] 768<br>t2_EOTPosDepDmpTblX_HwDeg_u12p4[2][1] 4080        |                    |

2015-06-29, 18:31:27+0530



EOTActuatorMng\_Per1

| <b>9–</b> ·   |   |                             |      |
|---|---|-----------------------------|------|
| Name  | Input Value                                       |                             |      |
| t2_EOTPosDepDmpTblX_HwDeg_u12p4[3][1]   | 608   |                             |      |
| t2_EOTPosDepDmpTblY_MtrNmpRadpS_u0p16[0][0]   | 87  |                             |      |
| t2_EOTPosDepDmpTblY_MtrNmpRadpS_u0p16[0][1]   | 937   |                             |      |
| t2_EOTPosDepDmpTblY_MtrNmpRadpS_u0p16[1][0]   | 280   |                             |      |
| t2_EOTPosDepDmpTblY_MtrNmpRadpS_u0p16[1][1]   | 198   |                             |      |
| t2_EOTPosDepDmpTblY_MtrNmpRadpS_u0p16[2][0]   | 122   |                             |      |
| t2_EOTPosDepDmpTblY_MtrNmpRadpS_u0p16[2][1]   | 173   |                             |      |
| t2_EOTPosDepDmpTblY_MtrNmpRadpS_u0p16[3][0]   | 103   |                             |      |
| t2_EOTPosDepDmpTblY_MtrNmpRadpS_u0p16[3][1]   | 728   |                             |      |
| t_EOTDmpVspd_Kph_u9p7[0]  | 4352  |                             |      |
| t_EOTDmpVspd_Kph_u9p7[1]  | 12928   |                             |      |
| t_EOTDmpVspd_Kph_u9p7[2]  | 13056   |                             |      |
| t_EOTDmpVspd_Kph_u9p7[3]  | 13184   |                             |      |
| t_EOTEnterGainVspd_Kph_u9p7[0]  | 4352  |                             |      |
| t_EOTEnterGainVspd_Kph_u9p7[1]  | 12928   |                             |      |
| t_EOTEnterGainVspd_Kph_u9p7[2]  | 13056   |                             |      |
| t_EOTEnterGainVspd_Kph_u9p7[3]  | 13184   |                             |      |
| t_SpdIptTbiXTbi_HwDeg_u12p4[0]  | 0   |                             |      |
| t_SpdlptTblXTbl_HwDeg_u12p4[1]  | 288   |                             |      |
| t_SpdlptTblYTbl_MtrRadpS_u12p4[0]   | 464   |                             |      |
| t_SpdlptTblYTbl_MtrRadpS_u12p4[1]   | 608   |                             |      |
| t_TrqTableX_HwNm_u8p8[0]  | 768   |                             |      |
| t_TrqTableX_HwNm_u8p8[1]  | 1280  |                             |      |
| t_TrqTblY_Uls_u2p14[0]  | 82  |                             |      |
| t TrqTblY Uls u2p14[1]  | 819   |                             |      |
| target EOTActuatorMng Per1 CcwEOT HwDeg f32.value   | -665.140015                                       |                             |      |
| target EOTActuatorMng Per1 CcwFound Cnt Igc.value   | 1   |                             |      |
| target_EOTActuatorMng_Per1_CwEOT_HwDeg_f32.value  | 750.14502   |                             |      |
| target_EOTActuatorMng_Per1_CwFound_Cnt_lgc.value  | 1   |                             |      |
|   | 0   |                             |      |
| target_EOTActuatorMng_Per1_EOTDisable_Cnt_lgc.value   |   |                             |      |
| target_EOTActuatorMng_Per1_HandWheelAuth_Uls_f32.value  | 0.829999983                                       |                             |      |
| target_EOTActuatorMng_Per1_HandWheelPos_HwDeg_f32.value   | 600.070007  |                             |      |
| target_EOTActuatorMng_Per1_HwTorque_HwNm_f32.value  | 5   |                             |      |
| target_EOTActuatorMng_Per1_MotorVel_MtrRadpS_f32.value  | 0.5   |                             |      |
| target_EOTActuatorMng_Per1_OutputRampMultLtd_Uls_f32.value  | 0.54100009  |                             |      |
| target_EOTActuatorMng_Per1_VehicleSpeed_Kph_f32.value   | 16.0499992  |                             |      |
| target_Rte_Inst_Ap_EOTActuatorMng.EOTActuatorMng_Per1_AssistEOTDamping_   |   |                             |      |
| target_Rte_Inst_Ap_EOTActuatorMng.EOTActuatorMng_Per1_AssistEOTGain_Uls_  |   |                             |      |
| target_Rte_Inst_Ap_EOTActuatorMng.EOTActuatorMng_Per1_AssistEOTLimit_Mtr1   |   |                             |      |
| target_Rte_Inst_Ap_EOTActuatorMng.EOTActuatorMng_Per1_CcwEOT_HwDeg_f3   |   |                             |      |
| target_Rte_Inst_Ap_EOTActuatorMng.EOTActuatorMng_Per1_CcwFound_Cnt_lgc  |   |                             |      |
| target Rte Inst Ap EOTActuatorMng.EOTActuatorMng Per1 CwEOT HwDeg f32   |   |                             |      |
| target_Rte_Inst_Ap_EOTActuatorMng.EOTActuatorMng_Per1_CwFound_Cnt_lgc   | target_EOTActuatorMng_Per1_CwFound_Cnt_lgc        |                             |      |
| target_Rte_Inst_Ap_EOTActuatorMng.EOTActuatorMng_Per1_EOTDisable_Cnt_Igo  |   |                             |      |
| target_Rte_Inst_Ap_EOTActuatorMng.EOTActuatorMng_Per1_HandWheelAuth_Uls   | target_EOTActuatorMng_Per1_HandWheelAuth_Uls_f32  |                             |      |
| target_Rte_Inst_Ap_EOTActuatorMng.EOTActuatorMng_Per1_HandWheelPos_Hwl  | target_EOTActuatorMng_Per1_HandWheelPos_HwDeg_f32 |                             |      |
| target_Rte_Inst_Ap_EOTActuatorMng.EOTActuatorMng_Per1_HwTorque_HwNm_f   | target_EOTActuatorMng_Per1_HwTorque_HwNm_f32      |                             |      |
| target_Rte_Inst_Ap_EOTActuatorMng.EOTActuatorMng_Per1_MotorVel_MtrRadpS   | target_EOTActuatorMng_Per1_MotorVel_MtrRadpS_f32  |                             |      |
| $target\_Rte\_Inst\_Ap\_EOTActuatorMng.EOTActuatorMng\_Per1\_OutputRampMultLtd\_Inst\_Ap\_EOTActuatorMng\_Per1\_OutputRampMultLtd\_Inst\_Ap\_EOTActuatorMng\_Per1\_OutputRampMultLtd\_Inst\_Ap\_EOTActuatorMng\_Per1\_OutputRampMultLtd\_InstAp\_EOTActuatorMng\_Per1\_OutputR$ | target_EOTActuatorMng_Per1_OutputRamp             | MultLtd_Uls_f32             |      |
| target_Rte_Inst_Ap_EOTActuatorMng.EOTActuatorMng_Per1_VehicleSpeed_Kph_   | target_EOTActuatorMng_Per1_VehicleSpee            | d_Kph_f32                   |      |
| Name  | Actual Value                                      | Expected Value              | Resu |
| EOTActuatorMng_Damping_MtrNm_M_f32  | 7.41911983  | 7.41911983 ± 0.0000390625   | •    |
| EOTActuatorMng_EOTImpactPos_HwDeg_M_f32   | 600   | 600 ± 0.0000390625          |      |
| EOTActuatorMng_FiltEOTGainSV_HwNm_M_u1p31   | 1979105193  | 1979105193 ± 1              | •    |
| EOTActuatorMng_FiltHWTrqSV_HwNm_M_s7p24   | 92024769  | 92024769 ± 1                |      |
| EOTActuatorMng_OutputRampMultLtd_M_f32  | 0.541000009                                       | 0.541000009 ± 0.00390625    |      |
| EOTActuatorMng PrevEOTGain Uls M f32  | 0.921569824                                       | 0.921569824 ± 0.0625        |      |
| EOTActuatorMng_SESState_Uls_M_enum  | SES DISABLED                                      | SES DISABLED                |      |
| target_EOTActuatorMng_Per1_AssistEOTDamping_MtrNm_f32.value   | 7.41911983  | 7.41911983 ± 0.00048828125  |      |
| target EOTActuatorMng Per1 AssistEOTGain Uls f32.value  | 0.921569824                                       | 0.921569824 ± 0.0000390625  |      |
| target_EOTActuatorMng_Port_AccidEOTLimit_MtrNm_f23_value  | 0.521555624                                       | 0.521000024 ± 0.00000000020 |      |

0.570556641

 $target\_EOTActuatorMng\_Per1\_AssistEOTLimit\_MtrNm\_f32.value$ 

0.570556641 ± 0.00048828125



| Τ  |       |  |       | V        |
|--|-------|--|-------|----------|
| Actual Function                                    | Count | Expected Function                                  | Count | Result   |
| Rte_Call_EOTActuatorMng_Per1_CP0_CheckpointReached | 1     | Rte_Call_EOTActuatorMng_Per1_CP0_CheckpointReached | 1     | ~        |
| EOTDetermination                                   | 1     | EOTDetermination                                   | 1     | •        |
| EOTOrigImpact                                      | 1     | EOTOrigImpact                                      | 1     | <b>~</b> |
| IntplVarXY_u16_u16Xu16Y_Cnt                        | 1     | IntplVarXY_u16_u16Xu16Y_Cnt                        | 1     | •        |
| SES_DetLmtPos                                      | 1     | SES_DetLmtPos                                      | 1     | •        |
| SES_CalcExitGain                                   | 1     | SES_CalcExitGain                                   | 1     | •        |
| IntplVarXY_u16_u16Xu16Y_Cnt                        | 1     | IntplVarXY_u16_u16Xu16Y_Cnt                        | 1     | -        |
| SES_CalcEnterGain                                  | 1     | SES_CalcEnterGain                                  | 1     | •        |
| BilinearXMYM_u16_u16XMu16YM_Cnt                    | 1     | BilinearXMYM_u16_u16XMu16YM_Cnt                    | 1     | -        |
| SES_CalcEOTGain                                    | 1     | SES_CalcEOTGain                                    | 1     | •        |
| SES_FiltEOTGain                                    | 1     | SES_FiltEOTGain                                    | 1     | <b>~</b> |
| SES_CalcEOTDamp                                    | 1     | SES_CalcEOTDamp                                    | 1     | ~        |
| BilinearXMYM_u16_u16XMu16YM_Cnt                    | 1     | BilinearXMYM_u16_u16XMu16YM_Cnt                    | 1     | •        |
| SES_StateCtrl                                      | 1     | SES_StateCtrl                                      | 1     | •        |
| Rte_Call_EOTActuatorMng_Per1_CP1_CheckpointReached | 1     | Rte_Call_EOTActuatorMng_Per1_CP1_CheckpointReached | 1     | ~        |

| Test Step 2.66 (Repeat Count = 1)                      |                                   |
|--|-----------------------------------|
| Name   | Input Value                       |
| EOTActuatorMng_Damping_MtrNm_M_f32                     | -20.5                             |
| EOTActuatorMng_EOTImpactPos_HwDeg_M_f32                | 0                                 |
| EOTActuatorMng FiltEOTGainSV HwNm M u1p31              | 0                                 |
| EOTActuatorMng_FiltHWTrqSV_HwNm_M_s7p24                | -167772160                        |
| EOTActuatorMng_PrevEOTGain_Uls_M_f32                   | 0                                 |
| EOTActuatorMng_SESState_Uls_M_enum                     | SES DISABLED                      |
| Rte_Inst_Ap_EOTActuatorMng                             | target_Rte_Inst_Ap_EOTActuatorMng |
| k_EOTActiveRegionBypassMaxThresh_Uls_f32               | 0                                 |
| k_EOTDefltPosition_HwDeg_u12p4                         | 0                                 |
| k_EOTDeltaTrqThrsh_HwNm_u9p7                           | 0                                 |
| k_EOTDynConf_Uls_u8p8                                  | 0                                 |
| k_EOTEnterLPFKn_Cnt_u16                                | 82                                |
| k_EOTExitLPFKn_Cnt_u16                                 | 82                                |
| k_EOTImpSpdEn_Kph_u9p7                                 | 0                                 |
| k_EOTOriginalImpactandSoftEnd_Cnt_lgc                  | 0                                 |
| k_EOTPosDepDempFinalSlew_MtrNmpS_T_f32                 | 0                                 |
| k_EOTStateHwTrqLPFKn_Cnt_u16                           | 82                                |
| k MaxRackTrvl HwDeg u12p4                              | 0                                 |
| k_MinRackTrvl_HwDeg_u12p4                              | 0                                 |
| k PosRampStep HwDeg u12p4                              | 0                                 |
| k_SoftStopEOTEnable_Cnt_lgc                            | 0                                 |
| k_SpdIptScale_MtrNmpRadpS_u4p12                        | 0                                 |
| t2_EOTEnterGainX_HwDeg_u12p4[0][0]                     | 0                                 |
| t2_EOTEnterGainX_HwDeg_u12p4[0][1]                     | 0                                 |
| t2_EOTEnterGainX_HwDeg_u12p4[0][2]                     | 0                                 |
| t2_EOTEnterGainX_HwDeg_u12p4[0][3]                     | 0                                 |
| t2_EOTEnterGainX_HwDeg_u12p4[1][0]                     | 0                                 |
| t2_EOTEnterGainX_HwDeg_u12p4[1][1]                     | 0                                 |
| t2_EOTEnterGainX_HwDeg_u12p4[1][2]                     | 0                                 |
| t2_EOTEnterGainX_HwDeg_u12p4[1][3]                     | 0                                 |
| t2_EOTEnterGainX_HwDeg_u12p4[2][0]                     | 0                                 |
| t2_EOTEnterGainX_HwDeg_u12p4[2][1]                     | 0                                 |
| t2_EOTEnterGainX_HwDeg_u12p4[2][2]                     | 0                                 |
| t2_EOTEnterGainX_HwDeg_u12p4[2][3]                     | 0                                 |
| t2_EOTEnterGainX_HwDeg_u12p4[3][0]                     | 0                                 |
| t2_EOTEnterGainX_HwDeg_u12p4[3][1]                     | 0                                 |
| t2_EOTEnterGainX_HwDeg_u12p4[3][2]                     | 0                                 |
| t2_EOTEnterGainX_HwDeg_u12p4[3][3]                     | 0                                 |
| t2_EOTEnterGainY_Uls_u1p15[0][0]                       | 0                                 |
| t2_EOTEnterGainY_Uls_u1p15[0][1]                       | 0                                 |
| t2_EOTEnterGainY_Uls_u1p15[0][2]                       | 0                                 |
| t2_EOTEnterGainY_Uls_u1p15[0][3]                       | 0                                 |
| t2_EOTEnterGainY_Uls_u1p15[1][0]                       | 0                                 |
| t2_EOTEnterGainY_Uls_u1p15[1][1]                       | 0                                 |
| t2_EOTEnterGainY_Uls_u1p15[1][2]                       | 0                                 |
| t2_EOTEnterGainY_Uls_u1p15[1][3]                       | 0                                 |
| t2_EOTEnterGainY_Uls_u1p15[2][0]                       | 0                                 |
| t2_EOTEnterGainY_Uls_u1p15[2][1]                       | 0                                 |
| t2_EOTEnterGainY_Uls_u1p15[2][2]                       | 0                                 |
| t2_EOTEnterGainY_Uls_u1p15[2][3]                       | 0                                 |
| © Report created by TESSY V3.1.11 report template V2.1 |                                   |

2015-06-29, 18:31:27+0530



EOTActuatorMng\_Per1

| Name   | Input Value                             |                      |        |  |
|--|---|----------------------|--------|--|
| t2_EOTEnterGainY_Uls_u1p15[3][0]   | 0                                       |                      |        |  |
| t2_EOTEnterGainY_Uls_u1p15[3][1]   | 0                                       |                      |        |  |
| t2_EOTEnterGainY_Uls_u1p15[3][2]   | 0                                       |                      |        |  |
| t2_EOTEnterGainY_Uls_u1p15[3][3]   | 0                                       |                      |        |  |
| t2_EOTExPosDepDmpTblY_MtrNmpRadps_u0p16[0][0]  | 0                                       |                      |        |  |
| t2_EOTExPosDepDmpTblY_MtrNmpRadps_u0p16[0][1]  | 0                                       |                      |        |  |
| t2_EOTExPosDepDmpTblY_MtrNmpRadps_u0p16[1][0] t2_EOTExPosDepDmpTblY_MtrNmpRadps_u0p16[1][1]  | 0                                       |                      |        |  |
| t2_EOTEXPOSDepDmpTblY_MtrNmpRadps_u0p16[1][1] t2_EOTEXPOSDepDmpTblY_MtrNmpRadps_u0p16[2][0]  | 0                                       |                      |        |  |
| t2_EOTExPosDepDmpTblY_MtrNmpRadps_u0p16[2][1]  | 0                                       |                      |        |  |
| t2_EOTExPosDepDmpTblY_MtrNmpRadps_u0p16[3][0]  | 0                                       |                      |        |  |
| t2 EOTExPosDepDmpTblY MtrNmpRadps u0p16[3][1]  | 0                                       |                      |        |  |
| t2_EOTPosDepDmpTbIX_HwDeg_u12p4[0][0]  | 0                                       |                      |        |  |
| t2_EOTPosDepDmpTbIX_HwDeg_u12p4[0][1]  | 0                                       |                      |        |  |
| t2_EOTPosDepDmpTblX_HwDeg_u12p4[1][0]  | 0                                       |                      |        |  |
| t2_EOTPosDepDmpTblX_HwDeg_u12p4[1][1]  | 0                                       |                      |        |  |
| t2_EOTPosDepDmpTblX_HwDeg_u12p4[2][0]  | 0                                       |                      |        |  |
| t2_EOTPosDepDmpTblX_HwDeg_u12p4[2][1]  | 0                                       |                      |        |  |
| t2_EOTPosDepDmpTblX_HwDeg_u12p4[3][0]  | 0                                       |                      |        |  |
| t2_EOTPosDepDmpTbIX_HwDeg_u12p4[3][1]  | 0                                       |                      |        |  |
| t2_EOTPosDepDmpTblY_MtrNmpRadpS_u0p16[0][0]  | 0                                       |                      |        |  |
| t2_EOTPosDepDmpTblY_MtrNmpRadpS_u0p16[0][1]  | 0                                       |                      |        |  |
| t2_EOTPosDepDmpTblY_MtrNmpRadpS_u0p16[1][0]  | 0                                       |                      |        |  |
| t2_EOTPosDepDmpTblY_MtrNmpRadpS_u0p16[1][1]  | 0                                       |                      |        |  |
| t2_EOTPosDepDmpTblY_MtrNmpRadpS_u0p16[2][0]  | 0                                       |                      |        |  |
| t2_EOTPosDepDmpTblY_MtrNmpRadpS_u0p16[2][1]  | 0                                       |                      |        |  |
| t2_EOTPosDepDmpTblY_MtrNmpRadpS_u0p16[3][0]  | 0                                       |                      |        |  |
| t2_EOTPosDepDmpTblY_MtrNmpRadpS_u0p16[3][1]  | 0                                       |                      |        |  |
| t_EOTDmpVspd_Kph_u9p7[0]   | 0                                       |                      |        |  |
| t_EOTDmpVspd_Kph_u9p7[1]   | 0                                       |                      |        |  |
| t_EOTDmpVspd_Kph_u9p7[2]   | 0                                       |                      |        |  |
| t_EOTDmpVspd_Kph_u9p7[3]<br>t_EOTEnterGainVspd_Kph_u9p7[0]   | 0                                       |                      |        |  |
| t_EOTEnterGainVspd_Kph_u9p7[1]   | 0                                       |                      |        |  |
| t_EOTEnterGainVspd_Kph_u9p7[2]   | 0                                       |                      |        |  |
| t_EOTEnterGainVspd_Kph_u9p7[3]   | 0                                       |                      |        |  |
| t_SpdlptTblXTbl_HwDeg_u12p4[0]   | 0                                       |                      |        |  |
| t_SpdlptTblXTbl_HwDeg_u12p4[1]   | 0                                       |                      |        |  |
| t_SpdlptTblYTbl_MtrRadpS_u12p4[0]  | 0                                       |                      |        |  |
| t_SpdlptTblYTbl_MtrRadpS_u12p4[1]  | 0                                       |                      |        |  |
| t_TrqTableX_HwNm_u8p8[0]   | 0                                       |                      |        |  |
| t_TrqTableX_HwNm_u8p8[1]   | 0                                       |                      |        |  |
| t_TrqTblY_Uls_u2p14[0]   | 0                                       |                      |        |  |
| t_TrqTblY_Uls_u2p14[1]   | 0                                       |                      |        |  |
| target_EOTActuatorMng_Per1_CcwEOT_HwDeg_f32.value  | -1440.10999                             |                      |        |  |
| target_EOTActuatorMng_Per1_CcwFound_Cnt_lgc.value  | 0                                       |                      |        |  |
| target_EOTActuatorMng_Per1_CwEOT_HwDeg_f32.value   | 0                                       |                      |        |  |
| target_EOTActuatorMng_Per1_CwFound_Cnt_lgc.value   | 0                                       |                      |        |  |
| target_EOTActuatorMng_Per1_EOTDisable_Cnt_lgc.value  | 0                                       |                      |        |  |
| target_EOTActuatorMng_Per1_HandWheelAuth_Uls_f32.value   | 0                                       |                      |        |  |
| target_EOTActuatorMng_Per1_HandWheelPos_HwDeg_f32.value  | -1440.10999                             |                      |        |  |
| target_EOTActuatorMng_Per1_HwTorque_HwNm_f32.value   | -10                                     |                      |        |  |
| target_EOTActuatorMng_Per1_MotorVel_MtrRadpS_f32.value   | -1350                                   |                      |        |  |
| target_EOTActuatorMng_Per1_OutputRampMultLtd_Uls_f32.value   | 0                                       |                      |        |  |
| target_EOTActuatorMng_Per1_VehicleSpeed_Kph_f32.value  | 0 target EOTActuatorMng Port AssistEOTD | amning MtrNm f22     |        |  |
| target_Rte_Inst_Ap_EOTActuatorMng.EOTActuatorMng_Per1_AssistEOTDampin<br>target_Rte_Inst_Ap_EOTActuatorMng.EOTActuatorMng_Per1_AssistEOTGain_U |   | . 0                  |        |  |
|  | 1 1                                     |                      |        |  |
| target_Rte_Inst_Ap_EOTActuatorMng.EOTActuatorMng_Per1_AssistEOTLimit_M<br>target_Rte_Inst_Ap_EOTActuatorMng.EOTActuatorMng_Per1_CcwEOT_HwDeg   | 3 - 3 -                                 |                      |        |  |
| target Rte Inst Ap EOTActuatorMng.EOTActuatorMng Perl CcwEoT_nwbeg   |   | <del></del>          |        |  |
| target_Rte_Inst_Ap_EOTActuatorMng.EOTActuatorMng_Per1_CwEOT_HwDeg_f  |   |                      |        |  |
| target_Rte_Inst_Ap_EOTActuatorMng.EOTActuatorMng_Per1_CwFound_Cnt_Igo  |   |                      |        |  |
| target_Rte_Inst_Ap_EOTActuatorMng.EOTActuatorMng_Per1_EOTDisable_Cnt_  |   |                      |        |  |
| target_Rte_Inst_Ap_EOTActuatorMng.EOTActuatorMng_Per1_HandWheelAuth_U  |   |                      |        |  |
| target_Rte_Inst_Ap_EOTActuatorMng.EOTActuatorMng_Per1_HandWheelPos_H   |   |                      |        |  |
| target Rte Inst Ap EOTActuatorMng.EOTActuatorMng Per1 HwTorque HwNm  | ·                                       |                      |        |  |
| target_Rte_Inst_Ap_EOTActuatorMng.EOTActuatorMng_Per1_MotorVel_MtrRadg   |   | _                    |        |  |
| target_Rte_Inst_Ap_EOTActuatorMng.EOTActuatorMng_Per1_OutputRampMultL  | 1                                       |                      |        |  |
| target Rte Inst Ap EOTActuatorMng.EOTActuatorMng Per1 VehicleSpeed Kpl   |   |                      |        |  |
| Name   | Actual Value                            | Expected Value       | Result |  |
| EOTActuatorMng_Damping_MtrNm_M_f32   | -20.5                                   | -20.5 ± 0.0000390625 | •      |  |
| EOTActuatorMng_EOTImpactPos_HwDeg_M_f32  | 0                                       | 0 ± 0.0000390625     |        |  |
| EOTActuatorMng FiltEOTGainSV HwNm M u1p31  | 130777088                               | 130777088 ± 1        |        |  |

130777088

130777088 ± 1

2015-06-29, 18:31:27+0530



| Name  | Actual Value | Expected Value    | Result   |
|---|--------------|-------------------|----------|
| EOTActuatorMng_FiltHWTrqSV_HwNm_M_s7p24                     | -167352320   | -167352320 ± 1    | •        |
| EOTActuatorMng_OutputRampMultLtd_M_f32                      | 0            | 0 ± 0.00390625    | ~        |
| EOTActuatorMng_PrevEOTGain_Uls_M_f32                        | 1            | 1 ± 0.0625        | <b>✓</b> |
| EOTActuatorMng_SESState_Uls_M_enum                          | SES_DISABLED | SES_DISABLED      | •        |
| target_EOTActuatorMng_Per1_AssistEOTDamping_MtrNm_f32.value | 0            | 0 ± 0.00048828125 | •        |
| target_EOTActuatorMng_Per1_AssistEOTGain_Uls_f32.value      | 1            | 1 ± 0.0000390625  | •        |
| target_EOTActuatorMng_Per1_AssistEOTLimit_MtrNm_f32.value   | 0            | 0 ± 0.00048828125 | <b>✓</b> |

| Τ  |       |  |       | <b>✓</b> |
|--|-------|--|-------|----------|
| Actual Function                                    | Count | Expected Function                                  | Count | Result   |
| Rte_Call_EOTActuatorMng_Per1_CP0_CheckpointReached | 1     | Rte_Call_EOTActuatorMng_Per1_CP0_CheckpointReached | 1     | ~        |
| EOTDetermination                                   | 1     | EOTDetermination                                   | 1     | •        |
| EOTOrigImpact                                      | 1     | EOTOrigImpact                                      | 1     | ~        |
| IntplVarXY_u16_u16Xu16Y_Cnt                        | 1     | IntplVarXY_u16_u16Xu16Y_Cnt                        | 1     | •        |
| SES_DetLmtPos                                      | 1     | SES_DetLmtPos                                      | 1     | ~        |
| SES_CalcExitGain                                   | 1     | SES_CalcExitGain                                   | 1     | •        |
| IntplVarXY_u16_u16Xu16Y_Cnt                        | 1     | IntplVarXY_u16_u16Xu16Y_Cnt                        | 1     | ~        |
| SES_CalcEnterGain                                  | 1     | SES_CalcEnterGain                                  | 1     | •        |
| SES_CalcEOTGain                                    | 1     | SES_CalcEOTGain                                    | 1     | ~        |
| SES_FiltEOTGain                                    | 1     | SES_FiltEOTGain                                    | 1     | •        |
| SES_CalcEOTDamp                                    | 1     | SES_CalcEOTDamp                                    | 1     | ~        |
| SES_StateCtrl                                      | 1     | SES_StateCtrl                                      | 1     | ~        |
| Rte_Call_EOTActuatorMng_Per1_CP1_CheckpointReached | 1     | Rte_Call_EOTActuatorMng_Per1_CP1_CheckpointReached | 1     | ~        |

| Name  | Input Value                       |
|---|-----------------------------------|
|   | 20.5                              |
| EOTActuatorMng_Damping_MtrNm_M_f32  | 1440.10999                        |
| EOTActuatorMng_EOTImpactPos_HwDeg_M_f32 EOTActuatorMng_FiltEOTGainSV_HwNm_M_u1p31       | 2147483648                        |
| EOTActuatorMing_FiltEOTGalinSv_HwNinf_M_uTp31  EOTActuatorMing_FiltHWTrqSV_HwNm_M_s7p24 | 167772160                         |
| EOTActuatorMng PrevEOTGain Uls M f32  | 1                                 |
| EOTActuatorMng_SESState_Uls_M_enum  | SES EXITING                       |
| Rte_Inst_Ap_EOTActuatorMng  | target_Rte_Inst_Ap_EOTActuatorMng |
| ★ EOTActiveRegionBypassMaxThresh Uls f32  | 1                                 |
| C_EOTActiveRegionBypassiviaXTITiesT_Ois_i32   | 13104                             |
| CEOTDeliteTrqThrsh HwNm u9p7  | 1280                              |
| _ , ,   | 65535                             |
| C_EOTDynConf_Uls_u8p8   | 30573                             |
| <pre>&lt;_EOTEnterLPFKn_Cnt_u16</pre>   |                                   |
| <_EOTExitLPFKn_Cnt_u16  | 30573                             |
| <_EOTImpSpdEn_Kph_u9p7 <_EOTOriginalImportantSoftEnd_Cat_lag                            | 32640<br>1                        |
| C_EOTOriginalImpactandSoftEnd_Cnt_lgc C_EOTDecDecDecDecTinelSlavy Methods 5, 1623       | 1 1200                            |
| <_EOTPosDepDempFinalSlew_MtrNmpS_T_f32  |                                   |
| <_EOTStateHwTrqLPFKn_Cnt_u16  | 30573                             |
| <pre>&lt;_MaxRackTrvl_HwDeg_u12p4</pre>   | 23040                             |
| <pre> «_MinRackTrvl_HwDeg_u12p4 </pre>  | 23040                             |
| <pre>c_PosRampStep_HwDeg_u12p4</pre>  | 13104                             |
| c_SoftStopEOTEnable_Cnt_lgc   | 1                                 |
| <pre>c_SpdlptScale_MtrNmpRadpS_u4p12</pre>  | 1024                              |
| 2_EOTEnterGainX_HwDeg_u12p4[0][0]   | 14400                             |
| 2_EOTEnterGainX_HwDeg_u12p4[0][1]   | 14400                             |
| 2_EOTEnterGainX_HwDeg_u12p4[0][2]   | 14400                             |
| 2_EOTEnterGainX_HwDeg_u12p4[0][3]   | 14400                             |
| 2_EOTEnterGainX_HwDeg_u12p4[1][0]   | 14400                             |
| 2_EOTEnterGainX_HwDeg_u12p4[1][1]   | 14400                             |
| 2_EOTEnterGainX_HwDeg_u12p4[1][2]   | 14400                             |
| 2_EOTEnterGainX_HwDeg_u12p4[1][3]   | 14400                             |
| 2_EOTEnterGainX_HwDeg_u12p4[2][0]   | 14400                             |
| 2_EOTEnterGainX_HwDeg_u12p4[2][1]   | 14400                             |
| 2_EOTEnterGainX_HwDeg_u12p4[2][2]   | 14400                             |
| 2_EOTEnterGainX_HwDeg_u12p4[2][3]   | 14400                             |
| 2_EOTEnterGainX_HwDeg_u12p4[3][0]   | 14400                             |
| 2_EOTEnterGainX_HwDeg_u12p4[3][1]   | 14400                             |
| 2_EOTEnterGainX_HwDeg_u12p4[3][2]   | 14400                             |
| 2_EOTEnterGainX_HwDeg_u12p4[3][3]   | 14400                             |
| 2_EOTEnterGainY_Uls_u1p15[0][0]   | 32768                             |
| 2_EOTEnterGainY_Uls_u1p15[0][1]   | 32768                             |
| 2_EOTEnterGainY_Uls_u1p15[0][2]   | 32768                             |
| t2_EOTEnterGainY_Uls_u1p15[0][3]  | 32768                             |
| t2_EOTEnterGainY_Uls_u1p15[1][0]  | 32768                             |
| t2_EOTEnterGainY_Uls_u1p15[1][1]  | 32768                             |

2015-06-29, 18:31:27+0530



| EOTActuatorMng_Per1   | TAZOILAG  |
|---|---|
| Name  | Input Value   |
|   | 32768   |
| t2_EOTEnterGainY_Uls_u1p15[1][3]  | 32768   |
| t2_EOTEnterGainY_Uls_u1p15[2][0]  | 32768   |
| t2_EOTEnterGainY_Uls_u1p15[2][1]  | 32768   |
| t2_EOTEnterGainY_Uls_u1p15[2][2]  | 32768   |
| t2_EOTEnterGainY_Uls_u1p15[2][3]  | 32768   |
| t2_EOTEnterGainY_Uls_u1p15[3][0]  | 32768   |
| t2_EOTEnterGainY_Uls_u1p15[3][1]  | 32768   |
| t2_EOTEnterGainY_Uls_u1p15[3][2]  | 32768   |
| t2_EOTEnterGainY_Uls_u1p15[3][3]  | 32768   |
| t2_EOTExPosDepDmpTblY_MtrNmpRadps_u0p16[0][0]   | 983   |
| _   | 983   |
| t2_EOTExPosDepDmpTblY_MtrNmpRadps_u0p16[1][0]   | 983   |
| t2_EOTExPosDepDmpTblY_MtrNmpRadps_u0p16[1][1]   | 983   |
| t2_EOTExPosDepDmpTblY_MtrNmpRadps_u0p16[2][0]   | 983   |
| t2_EOTExPosDepDmpTbIY_MtrNmpRadps_u0p16[2][1] t2_EOTExPosDepDmpTbIY_MtrNmpRadps_u0p16[3][0]   | 983<br>983  |
| t2_EOTEX-030EpDmpTbIY_MtrNmpRadps_u0p16[3][1]   | 983   |
|   | 5760  |
| 12_EOTPosDepDmpTbIX_HwDeg_u12p4[0][1]   | 5760  |
| t2_EOTPosDepDmpTblX_HwDeg_u12p4[1][0]   | 5760  |
| t2_EOTPosDepDmpTblX_HwDeg_u12p4[1][1]   | 5760  |
| t2_EOTPosDepDmpTblX_HwDeg_u12p4[2][0]   | 5760  |
| t2_EOTPosDepDmpTblX_HwDeg_u12p4[2][1]   | 5760  |
| t2_EOTPosDepDmpTblX_HwDeg_u12p4[3][0]   | 5760  |
| t2_EOTPosDepDmpTblX_HwDeg_u12p4[3][1]   | 5760  |
| t2_EOTPosDepDmpTbIY_MtrNmpRadpS_u0p16[0][0]   | 983   |
| t2_EOTPosDepDmpTblY_MtrNmpRadpS_u0p16[0][1]   | 983   |
| t2_EOTPosDepDmpTblY_MtrNmpRadpS_u0p16[1][0]   | 983   |
| t2_EOTPosDepDmpTblY_MtrNmpRadpS_u0p16[1][1]   | 983   |
| _   | 983   |
| t2_EOTPosDepDmpTblY_MtrNmpRadpS_u0p16[2][1]   | 983   |
| t2_EOTPosDepDmpTblY_MtrNmpRadpS_u0p16[3][0]   | 983   |
| t2_EOTPosDepDmpTblY_MtrNmpRadpS_u0p16[3][1]   | 983   |
| t_EOTDmpVspd_Kph_u9p7[0]  | 32640   |
| t_EOTDmpVspd_Kph_u9p7[1]  | 32640   |
| t_EOTDmpVspd_Kph_u9p7[2]  | 32640   |
| t_EOTDmpVspd_Kph_u9p7[3]  | 32640<br>32640  |
| t_EOTEnterGainVspd_Kph_u9p7[0] t EOTEnterGainVspd Kph u9p7[1]   | 32640   |
| _   | 32640   |
| t_EOTEnterGainVspd_Kph_u9p7[3]  | 32640   |
| t_SpdIptTblXTbl_HwDeg_u12p4[0]  | 2880  |
| t_SpdIptTblXTbl_HwDeg_u12p4[1]  | 2880  |
| t SpdlptTblYTbl MtrRadpS u12p4[0]   | 65520   |
| t_SpdlptTblYTbl_MtrRadpS_u12p4[1]   | 65520   |
| t TrgTableX HwNm u8p8[0]  | 2560  |
| t_TrqTableX_HwNm_u8p8[1]  | 2560  |
| t_TrqTblY_Uls_u2p14[0]  | 16384   |
| t_TrqTblY_Uls_u2p14[1]  | 16384   |
| target_EOTActuatorMng_Per1_CcwEOT_HwDeg_f32.value   | 0   |
| target_EOTActuatorMng_Per1_CcwFound_Cnt_lgc.value   | 1   |
| target_EOTActuatorMng_Per1_CwEOT_HwDeg_f32.value  | 1440.10999  |
| 0 = 0 = 0 = 0   | 1   |
| 0 = 0= = = = = 0  | 1   |
| target_EOTActuatorMng_Per1_HandWheelAuth_Uls_f32.value  | 1   |
| target_EOTActuatorMng_Per1_HandWheelPos_HwDeg_f32.value   | 1440.10999  |
| target_EOTActuatorMng_Per1_HwTorque_HwNm_f32.value  | 10  |
| target_EOTActuatorMng_Per1_MotorVel_MtrRadpS_f32.value  | 1350  |
| target_EOTActuatorMng_Per1_OutputRampMultLtd_Uls_f32.value  | 1   |
| target_EOTActuatorMng_Per1_VehicleSpeed_Kph_f32.value   | 511.992188 target EOTActuatorMng Per1 AssistEOTDamping MttNm f32                                      |
| target_Rte_Inst_Ap_EOTActuatorMng.EOTActuatorMng_Per1_AssistEOTDamping_   | ·   |
| target_Rte_Inst_Ap_EOTActuatorMng.EOTActuatorMng_Per1_AssistEOTGain_UIs_<br>target_Rte_Inst_Ap_EOTActuatorMng.EOTActuatorMng_Per1_AssistEOTLimit_Mtr1   | target_EOTActuatorMng_Per1_AssistEOTGain_UIs_f32 target_EOTActuatorMng_Per1_AssistEOTLimit_MtrNm_f32  |
|   | target_EOTActuatorWing_Per1_AssistEOT_Inflic_MutNin_is2  target_EOTActuatorWing_Per1_CcwEOT_HwDeg_f32 |
|   | target_EOTActuatorMng_Per1_CcwEO1_mwDeg_132 target_EOTActuatorMng_Per1_CcwFound_Cnt_lgc               |
| target_Rte_Inst_Ap_EOTActuatorMing.EOTActuatorMing_Per1_CcwPound_Cnt_igc target_Rte_Inst_Ap_EOTActuatorMng.EOTActuatorMng_Per1_CwEOT_HwDeg_f32  |   |
|   | target EOTActuatorMng Per1 CwFound Cnt Igc  |
| target Rte Inst Ap EOTActuatorMng.EOTActuatorMng Per1 EOTDisable Cnt Igc  |   |
|   | g   |
|   | target EOTActuatorMng Per1 HandWheelAuth Uls f32  |
| $target\_Rte\_Inst\_Ap\_EOTActuatorMng.EOTActuatorMng\_Per1\_HandWheelAuth\_Uls$  |   |
| target_Rte_Inst_Ap_EOTActuatorMng.EOTActuatorMng_Per1_HandWheelAuth_Uls<br>target_Rte_Inst_Ap_EOTActuatorMng.EOTActuatorMng_Per1_HandWheelPos_Hwl<br>target_Rte_Inst_Ap_EOTActuatorMng.EOTActuatorMng_Per1_HwTorque_HwNm_f. | target_EOTActuatorMng_Per1_HandWheelPos_HwDeg_f32   |



EOTActuatorMng\_Per1

| Name   | Input Value                             |                            |        |
|--|---|----------------------------|--------|
| target_Rte_Inst_Ap_EOTActuatorMng.EOTActuatorMng_Per1_OutputRampMultLtd_ | target_EOTActuatorMng_Per1_OutputRampl  | MultLtd_Uls_f32            |        |
| target_Rte_Inst_Ap_EOTActuatorMng.EOTActuatorMng_Per1_VehicleSpeed_Kph_  | target_EOTActuatorMng_Per1_VehicleSpeed | d_Kph_f32                  |        |
| Name   | Actual Value                            | Expected Value             | Result |
| EOTActuatorMng_Damping_MtrNm_M_f32                                       | 20.249176                               | 20.249176 ± 0.0000390625   | ~      |
| EOTActuatorMng_EOTImpactPos_HwDeg_M_f32                                  | 1440.10999                              | 1440.10999 ± 0.0000390625  | •      |
| EOTActuatorMng_FiltEOTGainSV_HwNm_M_u1p31                                | 2147483648                              | 2147483648 ± 1             | ~      |
| EOTActuatorMng_FiltHWTrqSV_HwNm_M_s7p24                                  | 167772160                               | 167772160 ± 1              | •      |
| EOTActuatorMng_OutputRampMultLtd_M_f32                                   | 1                                       | 1 ± 0.00390625             | ~      |
| EOTActuatorMng_PrevEOTGain_Uls_M_f32                                     | 1                                       | 1 ± 0.0625                 | •      |
| EOTActuatorMng_SESState_Uls_M_enum                                       | SES_DISABLED                            | SES_DISABLED               | ~      |
| target_EOTActuatorMng_Per1_AssistEOTDamping_MtrNm_f32.value              | 8.80000019                              | 8.80000019 ± 0.00048828125 | •      |
| target_EOTActuatorMng_Per1_AssistEOTGain_Uls_f32.value                   | 1                                       | 1 ± 0.0000390625           | ~      |
| target_EOTActuatorMng_Per1_AssistEOTLimit_MtrNm_f32.value                | 8.80000019                              | 8.80000019 ± 0.00048828125 | •      |

| Τ  |       |  |       | V      |
|--|-------|--|-------|--------|
| Actual Function                                    | Count | Expected Function                                  | Count | Result |
| Rte_Call_EOTActuatorMng_Per1_CP0_CheckpointReached | 1     | Rte_Call_EOTActuatorMng_Per1_CP0_CheckpointReached | 1     | ~      |
| EOTDetermination                                   | 1     | EOTDetermination                                   | 1     | ~      |
| SES_DetLmtPos                                      | 1     | SES_DetLmtPos                                      | 1     | ~      |
| SES_CalcExitGain                                   | 1     | SES_CalcExitGain                                   | 1     | ~      |
| IntplVarXY_u16_u16Xu16Y_Cnt                        | 1     | IntplVarXY_u16_u16Xu16Y_Cnt                        | 1     | ~      |
| SES_CalcEnterGain                                  | 1     | SES_CalcEnterGain                                  | 1     | •      |
| BilinearXMYM_u16_u16XMu16YM_Cnt                    | 1     | BilinearXMYM_u16_u16XMu16YM_Cnt                    | 1     | ~      |
| SES_CalcEOTGain                                    | 1     | SES_CalcEOTGain                                    | 1     | ~      |
| SES_FiltEOTGain                                    | 1     | SES_FiltEOTGain                                    | 1     | •      |
| SES_CalcEOTDamp                                    | 1     | SES_CalcEOTDamp                                    | 1     | ~      |
| BilinearXMYM_u16_u16XMu16YM_Cnt                    | 1     | BilinearXMYM_u16_u16XMu16YM_Cnt                    | 1     | ~      |
| SES_StateCtrl                                      | 1     | SES_StateCtrl                                      | 1     | ~      |
| Rte_Call_EOTActuatorMng_Per1_CP1_CheckpointReached | 1     | Rte_Call_EOTActuatorMng_Per1_CP1_CheckpointReached | 1     | ~      |

#### Test Case 3: Path Test

Specification

Performance Metrics (With "None" Instrumentation and WithPS Environment)
CPU Cycles:

TS3.1 1880 cvcles TS3.1 1880 cycles TS3.2 1880 cycles TS3.3 1880 cycles TS3.4 1880 cycles TS3.5 1157 cycles TS3.6 1873 cycles TS3.7 1892 cycles TS3.8 1892 cycles TS3.9 1875 cycles

#### Description

Vector Description

TS3.1"if((EOTDet\_Cnt\_T\_lgc == TRUE)=>FALSE || (TRUE == EOTDisable\_Cnt\_T\_lgc))=>FALSE, if(SESState\_Uls\_M\_enum == SES\_DISABLED)=>FALSE"
TS3.2if((EOTDet\_Cnt\_T\_lgc == TRUE)=>FALSE || (TRUE == EOTDisable\_Cnt\_T\_lgc))=>TRUE
TS3.3if((EOTDet\_Cnt\_T\_lgc == TRUE) || (TRUE == EOTDisable\_Cnt\_T\_lgc))=>TRUE
TS3.4(AssistEOTLimit\_MtrNm\_T\_f32 <= 0 )=>TRUE
TS3.5"if(SESState\_Uls\_M\_enum == SES\_DISABLED)=>TRUE, (AssistEOTGain\_Uls\_T\_f32 >= 1)=>TRUE"
TS3.6(AssistEOTDamping\_MtrNm\_T\_f32 >= 8.8)=>TRUE
TS3.7(AssistEOTDamping\_MtrNm\_T\_f32 <= -8.8)=>TRUE
TS3.8(AssistEOTDamping\_MtrNm\_T\_f32 <= -8.8)=>TRUE
TS3.9AssistEOTDamping\_MtrNm\_T\_f32 = Limit\_m(AssistEOTDamping\_MtrNm\_T\_f32, D\_EOTDAMPLOLMT\_MTRNM\_F32, D\_EOTDAMPHILMT\_MTRNM\_F32)=>TRUE

| Test Step 3.1 (Repeat Count = 1)          |                                   |
|---|-----------------------------------|
| Name                                      | Input Value                       |
| EOTActuatorMng_Damping_MtrNm_M_f32        | -8.80000019                       |
| EOTActuatorMng_EOTImpactPos_HwDeg_M_f32   | 789                               |
| EOTActuatorMng_FiltEOTGainSV_HwNm_M_u1p31 | 1009317315                        |
| EOTActuatorMng_FiltHWTrqSV_HwNm_M_s7p24   | 23991419                          |
| EOTActuatorMng_PrevEOTGain_Uls_M_f32      | 0.649999976                       |
| EOTActuatorMng_SESState_Uls_M_enum        | SES_NORMAL                        |
| Rte_Inst_Ap_EOTActuatorMng                | target_Rte_Inst_Ap_EOTActuatorMng |
| k_EOTActiveRegionBypassMaxThresh_Uls_f32  | 0                                 |
| k_EOTDefltPosition_HwDeg_u12p4            | 3200                              |
| k_EOTDeltaTrqThrsh_HwNm_u9p7              | 1152                              |
| k_EOTDynConf_Uls_u8p8                     | 205                               |
| k_EOTEnterLPFKn_Cnt_u16                   | 6544                              |
| k_EOTExitLPFKn_Cnt_u16                    | 111                               |
| k_EOTImpSpdEn_Kph_u9p7                    | 5376                              |

2015-06-29, 18:31:27+0530



| EOTActuatorMng_Per1   | MAC         | 1000 |
|---|-------------|------|
| Name  | Input Value |      |
| k_EOTOriginalImpactandSoftEnd_Cnt_lgc   | 0           |      |
| k_EOTPosDepDempFinalSlew_MtrNmpS_T_f32  | 0           |      |
| <_EOTStateHwTrqLPFKn_Cnt_u16  | 3754        |      |
| c_MaxRackTrvl_HwDeg_u12p4   | 1776        |      |
| k_MinRackTrvI_HwDeg_u12p4   | 14400       |      |
| k_PosRampStep_HwDeg_u12p4   | 10848       |      |
| k_SoftStopEOTEnable_Cnt_lgc   | 0           |      |
| <_SpdlptScale_MtrNmpRadpS_u4p12   | 80          |      |
| 2_EOTEnterGainX_HwDeg_u12p4[0][0]   | 0           |      |
| 2_EOTEnterGainX_HwDeg_u12p4[0][1]   | 480         |      |
| 2_EOTEnterGainX_HwDeg_u12p4[0][2]   | 960         |      |
| 2_EOTEnterGainX_HwDeg_u12p4[0][3]   | 1440        |      |
| 2_EOTEnterGainX_HwDeg_u12p4[1][0]   | 0           |      |
| 2_EOTEnterGainX_HwDeg_u12p4[1][1]   | 480         |      |
| 2_EOTEnterGainX_HwDeg_u12p4[1][2]   | 960         |      |
| 2_EOTEnterGainX_HwDeg_u12p4[1][3]   | 1440        |      |
| 2_EOTEnterGainX_HwDeg_u12p4[2][0]   | 0           |      |
| 2_EOTEnterGainX_HwDeg_u12p4[2][1]   | 480         |      |
| 2_EOTEnterGainX_HwDeg_u12p4[2][2]   | 960         |      |
| 2_EOTEnterGainX_HwDeg_u12p4[2][3]   | 1440        |      |
| 2_EOTEnterGainX_HwDeg_u12p4[3][0]   | 0           |      |
| 2_EOTEnterGainX_HwDeg_u12p4[3][1]   | 480         |      |
| 2_EOTEnterGainX_HwDeg_u12p4[3][2]   | 960         |      |
| 2_EOTEnterGainX_HwDeg_u12p4[3][3]   | 1440        |      |
| 2_EOTEnterGainY_Uls_u1p15[0][0]   | 0           |      |
| 2_EOTEnterGainY_Uls_u1p15[0][1]   | 10813       |      |
| 2_EOTEnterGainY_Uls_u1p15[0][2]   | 21627       |      |
| 2_EOTEnterGainY_Uls_u1p15[0][3]   | 32768       |      |
| 2_EOTEnterGainY_Uls_u1p15[1][0]   | 0           |      |
| 2_EOTEnterGainY_Uls_u1p15[1][1]   | 10813       |      |
| 2_EOTEnterGainY_Uls_u1p15[1][2]   | 21627       |      |
| 12_EOTEnterGainY_Uls_u1p15[1][3]  | 32768       |      |
| 2_EOTEnterGainY_Uls_u1p15[2][0]   | 0           |      |
| I2_EOTEnterGainY_Uls_u1p15[2][1]  | 10813       |      |
| t2_EOTEnterGainY_Uls_u1p15[2][2]  | 21627       |      |
| t2_EOTEnterGainY_Uls_u1p15[2][3]  | 32768       |      |
| t2_EOTEnterGainY_Uls_u1p15[3][0]  | 0           |      |
| t2_EOTEnterGainY_Uls_u1p15[3][1]  | 10813       |      |
| t2_EOTEnterGainY_Uls_u1p15[3][2]  | 21627       |      |
| t2_EOTEnterGainY_Uls_u1p15[3][3]  | 32768       |      |
| t2_EOTExPosDepDmpTblY_MtrNmpRadps_u0p16[0][0]   | 0           |      |
| t2_EOTExPosDepDmpTblY_MtrNmpRadps_u0p16[0][1]   | 256         |      |
| 2_EOTExPosDepDmpTblY_MtrNmpRadps_u0p16[1][0]  | 154         |      |
| t2_EOTExPosDepDmpTblY_MtrNmpRadps_u0p16[1][1]   | 512         |      |
| 2_EOTExPosDepDmpTblY_MtrNmpRadps_u0p16[2][0]  | 31          |      |
| t2_EOTExPosDepDmpTblY_MtrNmpRadps_u0p16[2][1]   | 94<br>160   |      |
| t2_EOTExPosDepDmpTblY_MtrNmpRadps_u0p16[3][0]   |             |      |
| 2_EOTExPosDepDmpTblY_MtrNmpRadps_u0p16[3][1]  | 224         |      |
| 12_EOTPosDepDmpTbIX_HwDeg_u12p4[0][0]   | 320         |      |
| 2_EOTPosDepDmpTblX_HwDeg_u12p4[0][1]  | 0           |      |
| 2_EOTPosDepDmpTblX_HwDeg_u12p4[1][0]  | 320         |      |
| 2_EOTPosDepDmpTbIX_HwDeg_u12p4[1][1] 2_EOTPosDepDmpTbIX_HwDeg_u12p4[2][0]               | 0           |      |
| 2_EOTPosDepDmpTblX_HwDeg_u12p4[2][0] 2_EOTPosDepDmpTblX_HwDeg_u12p4[2][1]               | 320         |      |
| 2_EOTPOSDepDinpTblX_HwDeg_u12p4[2][1] 2_EOTPosDepDmpTblX_HwDeg_u12p4[3][0]              | 0           |      |
| 2_EOTPosDepDmpTblX_HwDeg_u12p4[3][0] 2_EOTPosDepDmpTblX_HwDeg_u12p4[3][1]               | 320         |      |
| 2_EOTPOSDepDinpTblX_HwDeg_u12p4[3][1] 2 EOTPosDepDmpTblY MtrNmpRadpS u0p16[0][0]        | 0           |      |
| 2_EOTPosDepDrinpTblY_MtrNmpRadpS_u0p16[0][0] 2_EOTPosDepDmpTblY_MtrNmpRadpS_u0p16[0][1] | 128         |      |
| 2_EOTPosDepDripTblT_mtiNmpRadpS_u0p16[0][1] 2_EOTPosDepDmpTblY_MtrNmpRadpS_u0p16[1][0]  | 146         |      |
| 2_EOTPosDepDmpTblY_MtrNmpRadpS_u0p16[1][1]  | 416         |      |
| 2_EOTPosDepDmpTblY_MtrNmpRadpS_u0p16[2][0]  | 31          |      |
| 2_EOTPosDepDmpTblY_MtrNmpRadpS_u0p16[2][1]  | 640         |      |
| 2_EOTPosDepDmpTblY_MtrNmpRadpS_u0p16[3][0]  | 93          |      |
| 2_EOTPosDepDmpTblY_MtrNmpRadpS_u0p16[3][1]  | 448         |      |
| _EOTDmpVspd_Kph_u9p7[0]   | 0           |      |
| _EOTDmpVspd_Kph_u9p7[1]   | 640         |      |
|   | 1280        |      |
| _EOTDmpVspd_Kph_u9p7[2]   | 2560        |      |
| _EOTDmpVspd_Kph_u9p7[3]   | 0           |      |
| :_EOTEnterGainVspd_Kph_u9p7[0]  | 640         |      |
| :_EOTEnterGainVspd_Kph_u9p7[1]  | 1280        |      |
| EEOTEnterGainVspd_Kph_u9p7[2]   | 2816        |      |
| t_EOTEnterGainVspd_Kph_u9p7[3]  |             |      |

2015-06-29, 18:31:27+0530



| Name  | Input Value                             |                          |        |
|---|---|--------------------------|--------|
| t_SpdlptTblXTbl_HwDeg_u12p4[1]  | 800                                     |                          |        |
| t_SpdlptTblYTbl_MtrRadpS_u12p4[0]   | 288                                     |                          |        |
| t_SpdlptTblYTbl_MtrRadpS_u12p4[1]   | 960                                     |                          |        |
| t_TrqTableX_HwNm_u8p8[0]  | 2304                                    |                          |        |
| t_TrqTableX_HwNm_u8p8[1]  | 2560                                    |                          |        |
| t_TrqTbIY_UIs_u2p14[0]  | 16                                      |                          |        |
| t_TrqTblY_Uls_u2p14[1]  | 163                                     |                          |        |
| target_EOTActuatorMng_Per1_CcwEOT_HwDeg_f32.value   | -888                                    |                          |        |
| target_EOTActuatorMng_Per1_CcwFound_Cnt_lgc.value   | 1                                       |                          |        |
| target_EOTActuatorMng_Per1_CwEOT_HwDeg_f32.value  | 950                                     |                          |        |
| target_EOTActuatorMng_Per1_CwFound_Cnt_lgc.value  | 1                                       |                          |        |
| target_EOTActuatorMng_Per1_EOTDisable_Cnt_lgc.value   | 0                                       |                          |        |
| target_EOTActuatorMng_Per1_HandWheelAuth_Uls_f32.value  | 0.779999971                             |                          |        |
| target_EOTActuatorMng_Per1_HandWheelPos_HwDeg_f32.value   | 800                                     |                          |        |
| target_EOTActuatorMng_Per1_HwTorque_HwNm_f32.value  | -10                                     |                          |        |
| target_EOTActuatorMng_Per1_MotorVel_MtrRadpS_f32.value  | 0.100000001                             |                          |        |
| target_EOTActuatorMng_Per1_OutputRampMultLtd_Uls_f32.value  | 0.593999982                             |                          |        |
| target_EOTActuatorMng_Per1_VehicleSpeed_Kph_f32.value   | 10                                      |                          |        |
| $target\_Rte\_Inst\_Ap\_EOTActuatorMng.EOTActuatorMng\_Per1\_AssistEOTDamping\_Per1\_AssisTEOTDamping\_Per1\_AssisTEOTD$  | target_EOTActuatorMng_Per1_AssistEOTDa  | mping_MtrNm_f32          |        |
| $target\_Rte\_Inst\_Ap\_EOTActuatorMng.EOTActuatorMng\_Per1\_AssistEOTGain\_Uls\_AssisTEOTGain\_Uls\_AssisTEOTG$  | target_EOTActuatorMng_Per1_AssistEOTGa  | nin_Uls_f32              |        |
| $target\_Rte\_Inst\_Ap\_EOTActuatorMng\_EOTActuatorMng\_Per1\_AssistEOTLimit\_Mtrice and the property of the property$  | target_EOTActuatorMng_Per1_AssistEOTLir | nit_MtrNm_f32            |        |
| $target\_Rte\_Inst\_Ap\_EOTActuatorMng\_EOTActuatorMng\_Per1\_CcwEOT\_HwDeg\_f3000000000000000000000000000000000000$  | target_EOTActuatorMng_Per1_CcwEOT_Hw    | Deg_f32                  |        |
| $target\_Rte\_Inst\_Ap\_EOTActuatorMng.EOTActuatorMng\_Per1\_CcwFound\_Cnt\_lgc$  | target_EOTActuatorMng_Per1_CcwFound_C   | Cnt_lgc                  |        |
| $target\_Rte\_Inst\_Ap\_EOTActuatorMng.EOTActuatorMng\_Per1\_CwEOT\_HwDeg\_f3222222222222222222222222222222222222$  | target_EOTActuatorMng_Per1_CwEOT_Hwt    | Deg_f32                  |        |
| $target\_Rte\_Inst\_Ap\_EOTActuatorMng.EOTActuatorMng\_Per1\_CwFound\_Cnt\_lgc$   | target_EOTActuatorMng_Per1_CwFound_Cr   | nt_lgc                   |        |
| $target\_Rte\_Inst\_Ap\_EOTActuatorMng.EOTActuatorMng\_Per1\_EOTDisable\_Cnt\_Ignormal content and the property of th$  | target_EOTActuatorMng_Per1_EOTDisable_  | Cnt_lgc                  |        |
| $target\_Rte\_Inst\_Ap\_EOTActuatorMng\_EOTActuatorMng\_Per1\_HandWheelAuth\_Ulstarget\_Rte\_Inst\_Ap\_EOTActuatorMng\_Per1\_HandWheelAuth\_Ulstarget\_Rte\_Inst\_Ap\_EOTActuatorMng\_Rest\_Rte\_Inst\_Ap\_EOTActuatorMng\_Rest\_Rte\_Inst\_Ap\_EOTActuatorMng\_Rest\_Rte\_Inst\_Ap\_EOTActuatorMng\_Rest\_Rte\_Inst\_Ap\_EOTActuatorMng\_Rest\_Rte\_Inst\_Ap\_EOTActuatorMng\_Rest\_Rte\_Inst\_Ap\_EOTActuatorMng\_Rest\_Rte\_Inst\_Ap\_EOTActuatorMng\_Rest\_Rte\_Inst\_Ap\_EOTActuatorMng\_Rest\_Rte\_Inst\_Ap\_EOTActuatorMng\_Rest\_Rte\_Inst\_Ap\_EOTActuatorMng\_Rest\_Rte\_Inst\_Ap\_EOTActuatorMng\_Rest\_Rte\_InstAp\_EOTActuatorMng\_Rest\_Rte\_Ins$ | target_EOTActuatorMng_Per1_HandWheelA   | uth_Uls_f32              |        |
| $target\_Rte\_Inst\_Ap\_EOTActuatorMng\_EOTActuatorMng\_Per1\_HandWheelPos\_Hwarderspace and the property of the prop$  | target_EOTActuatorMng_Per1_HandWheelP   | os_HwDeg_f32             |        |
| $target\_Rte\_Inst\_Ap\_EOTActuatorMng.EOTActuatorMng\_Per1\_HwTorque\_HwNm\_f$   | target_EOTActuatorMng_Per1_HwTorque_H   | wNm_f32                  |        |
| $target\_Rte\_Inst\_Ap\_EOTActuatorMng.EOTActuatorMng\_Per1\_MotorVel\_MtrRadpStarter(MotorVelMtrRadpStarter(MotorVelMtrRadpStarter(MotorVelMtrRadpStarter(MotorVelMtrRadpStarter(MotorVelMtrRadpStarter(MotorVelMtrRadpStarter(MotorVelMtrRadpStarter(MotorVelMtrRadpStarter(MotorVelMtrRadpStarter(MotorVelMtrRadpStarter(MotorVelMtrRadpStarter(MotorVelMtrRadpStarter(MotorVelMtrRadpStarter(MotorVelMtrRadpStarter(MotorVelMtrR$   | target_EOTActuatorMng_Per1_MotorVel_Mtr | RadpS_f32                |        |
| $target\_Rte\_Inst\_Ap\_EOTActuatorMng\_EOTActuatorMng\_Per1\_OutputRampMultLtd.$   | target_EOTActuatorMng_Per1_OutputRampl  | MultLtd_Uls_f32          |        |
| $target\_Rte\_Inst\_Ap\_EOTActuatorMng.EOTActuatorMng\_Per1\_VehicleSpeed\_Kph\_Inst\_Ap\_EOTActuatorMng\_Per1\_VehicleSpeed\_Kph\_Inst\_Ap\_EOTActuatorMng\_Per1\_VehicleSpeed\_Inst\_Ap\_EOTActuatorMng\_Per1\_VehicleSpeed\_Inst\_Ap\_EOTActuatorMng\_Per1\_VehicleSpeed\_Inst\_Ap\_EOTActuatorMng\_Per1\_VehicleSpeed\_Inst\_Ap\_EOTActuatorMng\_Per1\_VehicleSpeed\_Inst\_Ap\_EOTActuatorMng\_Per1\_VehicleSpeed\_Inst\_Ap\_EOTActuatorMng\_Per1\_VehicleSpeed\_Inst\_Ap\_EOTActuatorMng\_Per1\_VehicleSpeed\_Inst\_Ap\_EOTActuatorMng\_Per1\_VehicleSpeed\_Inst\_Ap\_EOTActuatorMng\_InstAp\_EOTActuator$   | target_EOTActuatorMng_Per1_VehicleSpeed | d_Kph_f32                |        |
| Name  | Actual Value                            | Expected Value           | Result |
| FOTA strategia - Descripe Mahles M 600  | 0.00000040                              | 0.00000010 + 0.000000000 |        |

| target_Rte_Inst_Ap_EOTActuatorMng.EOTActuatorMng_Per1_VehicleSpeed_Kph_ | target_EOTActuatorMng_Per1_VehicleSpee | d_Kph_f32                   |        |
|---|--|-----------------------------|--------|
| Name  | Actual Value                           | Expected Value              | Result |
| EOTActuatorMng_Damping_MtrNm_M_f32                                      | -8.80000019                            | -8.80000019 ± 0.0000390625  | ~      |
| EOTActuatorMng_EOTImpactPos_HwDeg_M_f32                                 | 200                                    | 200 ± 0.0000390625          | ~      |
| EOTActuatorMng_FiltEOTGainSV_HwNm_M_u1p31                               | 1122973507                             | 1122973507 ± 1              | ~      |
| EOTActuatorMng_FiltHWTrqSV_HwNm_M_s7p24                                 | 13007215                               | 13007215 ± 1                | ~      |
| EOTActuatorMng_OutputRampMultLtd_M_f32                                  | 0.593999982                            | 0.593999982 ± 0.00390625    | ~      |
| EOTActuatorMng_PrevEOTGain_Uls_M_f32                                    | 0.522918701                            | 0.522918701 ± 0.0625        | ~      |
| EOTActuatorMng_SESState_Uls_M_enum                                      | SES_DISABLED                           | SES_DISABLED                | ~      |
| target_EOTActuatorMng_Per1_AssistEOTDamping_MtrNm_f32.value             | -8.80000019                            | -8.80000019 ± 0.00048828125 | ~      |
| target_EOTActuatorMng_Per1_AssistEOTGain_Uls_f32.value                  | 0.522918701                            | 0.522918701 ± 0.0000390625  | •      |
| target_EOTActuatorMng_Per1_AssistEOTLimit_MtrNm_f32.value               | 0.349609375                            | 0.349609375 ± 0.00048828125 | •      |

| T  |       |  |       | ✓        |
|--|-------|--|-------|----------|
| Actual Function                                    | Count | Expected Function                                  | Count | Result   |
| Rte_Call_EOTActuatorMng_Per1_CP0_CheckpointReached | 1     | Rte_Call_EOTActuatorMng_Per1_CP0_CheckpointReached | 1     | ~        |
| EOTDetermination                                   | 1     | EOTDetermination                                   | 1     | <b>✓</b> |
| EOTOrigImpact                                      | 1     | EOTOrigImpact                                      | 1     | <b>~</b> |
| IntplVarXY_u16_u16Xu16Y_Cnt                        | 1     | IntplVarXY_u16_u16Xu16Y_Cnt                        | 1     | <b>✓</b> |
| SES_DetLmtPos                                      | 1     | SES_DetLmtPos                                      | 1     | <b>~</b> |
| SES_CalcExitGain                                   | 1     | SES_CalcExitGain                                   | 1     | ~        |
| IntplVarXY_u16_u16Xu16Y_Cnt                        | 1     | IntplVarXY_u16_u16Xu16Y_Cnt                        | 1     | ~        |
| SES_CalcEnterGain                                  | 1     | SES_CalcEnterGain                                  | 1     | ~        |
| BilinearXMYM_u16_u16XMu16YM_Cnt                    | 1     | BilinearXMYM_u16_u16XMu16YM_Cnt                    | 1     | ~        |
| SES_CalcEOTGain                                    | 1     | SES_CalcEOTGain                                    | 1     | <b>~</b> |
| SES_FiltEOTGain                                    | 1     | SES_FiltEOTGain                                    | 1     | -        |
| SES_CalcEOTDamp                                    | 1     | SES_CalcEOTDamp                                    | 1     | <b>✓</b> |
| BilinearXMYM_u16_u16XMu16YM_Cnt                    | 1     | BilinearXMYM_u16_u16XMu16YM_Cnt                    | 1     | ~        |
| SES_StateCtrl                                      | 1     | SES_StateCtrl                                      | 1     | ~        |
| Rte Call EOTActuatorMng Per1 CP1 CheckpointReached | 1     | Rte Call EOTActuatorMng Per1 CP1 CheckpointReached | 1     | _        |

| Test Step 3.2 (Repeat Count = 1)          |              |
|---|--------------|
| Name                                      | Input Value  |
| EOTActuatorMng_Damping_MtrNm_M_f32        | -6.80000019  |
| EOTActuatorMng_EOTImpactPos_HwDeg_M_f32   | 678          |
| EOTActuatorMng_FiltEOTGainSV_HwNm_M_u1p31 | 794568950    |
| EOTActuatorMng_FiltHWTrqSV_HwNm_M_s7p24   | -148981678   |
| EOTActuatorMng_PrevEOTGain_Uls_M_f32      | 0.540000021  |
| EOTActuatorMng_SESState_Uls_M_enum        | SES_ENTERING |

2015-06-29, 18:31:27+0530



| EOTActuatorMng_Per1   | MOAN                              |
|---|-----------------------------------|
| Name  | Input Value                       |
| Rte_Inst_Ap_EOTActuatorMng  | target_Rte_Inst_Ap_EOTActuatorMng |
| k_EOTActiveRegionBypassMaxThresh_Uls_f32  | 0                                 |
| k_EOTDefltPosition_HwDeg_u12p4  | 4800                              |
| k_EOTDeltaTrqThrsh_HwNm_u9p7  | 1024                              |
| k_EOTDynConf_Uls_u8p8   | 205                               |
| k_EOTEnterLPFKn_Cnt_u16   | 3643                              |
| k_EOTExitLPFKn_Cnt_u16  | 222                               |
| k_EOTImpSpdEn_Kph_u9p7  | 5504                              |
| k_EOTOriginalImpactandSoftEnd_Cnt_lgc   | 1                                 |
| k_EOTPosDepDempFinalSlew_MtrNmpS_T_f32  | 20.2399998                        |
| k_EOTStateHwTrqLPFKn_Cnt_u16  | 2436                              |
| k_MaxRackTrvl_HwDeg_u12p4   | 3552                              |
| k_MinRackTrvl_HwDeg_u12p4   | 15456                             |
| k_PosRampStep_HwDeg_u12p4   | 2016                              |
| k_SoftStopEOTEnable_Cnt_lgc   | 1                                 |
| <pre>c_SpdIptScale_MtrNmpRadpS_u4p12</pre>  | 80                                |
| 2_EOTEnterGainX_HwDeg_u12p4[0][0]   | 0                                 |
| t2_EOTEnterGainX_HwDeg_u12p4[0][1]  | 480                               |
| 2_EOTEnterGainX_HwDeg_u12p4[0][2]   | 960                               |
| 2_EOTEnterGainX_HwDeg_u12p4[0][3]   | 1440                              |
| 2 EOTEnterGainX_nwbeg_u12p4[1][0]   | 0                                 |
| 12_EOTEITIE GainX_TWDeg_u12p4[1][0]<br>12_EOTEITIE GainX_HwDeg_u12p4[1][1]                    | 480                               |
| t2_EOTEItierGainX_HwDeg_u12p4[1][1]<br>t2_EOTEnterGainX_HwDeg_u12p4[1][2]                     | 960                               |
| t2_EOTEItterGainX_HwDeg_u12p4[1][2]<br>t2_EOTEnterGainX_HwDeg_u12p4[1][3]                     | 1440                              |
|   | 0                                 |
| 12_EOTEnterGainX_HwDeg_u12p4[2][0]  | 480                               |
| 2_EOTEnterGainX_HwDeg_u12p4[2][1]   | 960                               |
| t2_EOTEnterGainX_HwDeg_u12p4[2][2]  |                                   |
| t2_EOTEnterGainX_HwDeg_u12p4[2][3]  | 1440                              |
| 2_EOTEnterGainX_HwDeg_u12p4[3][0]   | 0                                 |
| t2_EOTEnterGainX_HwDeg_u12p4[3][1]  | 480                               |
| t2_EOTEnterGainX_HwDeg_u12p4[3][2]  | 960                               |
| 2_EOTEnterGainX_HwDeg_u12p4[3][3]   | 1440                              |
| 2_EOTEnterGainY_Uls_u1p15[0][0]   | 0                                 |
| t2_EOTEnterGainY_Uls_u1p15[0][1]  | 10813                             |
| t2_EOTEnterGainY_Uls_u1p15[0][2]  | 21627                             |
| t2_EOTEnterGainY_Uls_u1p15[0][3]  | 32768                             |
| t2_EOTEnterGainY_Uls_u1p15[1][0]  | 0                                 |
| t2_EOTEnterGainY_Uls_u1p15[1][1]  | 10813                             |
| t2_EOTEnterGainY_Uls_u1p15[1][2]  | 21627                             |
| t2_EOTEnterGainY_Uls_u1p15[1][3]  | 32768                             |
| t2_EOTEnterGainY_Uls_u1p15[2][0]  | 0                                 |
| t2_EOTEnterGainY_Uls_u1p15[2][1]  | 10813                             |
| t2_EOTEnterGainY_Uls_u1p15[2][2]  | 21627                             |
| t2_EOTEnterGainY_Uls_u1p15[2][3]  | 32768                             |
| 12_EOTEnterGainY_Uls_u1p15[3][0]  | 0                                 |
| 12_EOTEnterGainY_Uls_u1p15[3][1]  | 10813                             |
| 12 EOTEnterGainY Uls u1p15[3][2]  | 21627                             |
| 2 EOTEnterGainY Uls u1p15[3][3]   | 32768                             |
| :2_EOTExPosDepDmpTblY_MtrNmpRadps_u0p16[0][0]   | 0                                 |
| 2_EOTExPosDepDmpTblY_MtrNmpRadps_u0p16[0][1]  | 256                               |
| 2_EOTEXPosDepDmpTblY_MtrNmpRadps_u0p16[1][0]  | 154                               |
| 2_EOTEXPosDepDmpTblY_MtrNmpRadps_u0p16[1][1]  | 512                               |
| 2_EOTEXPosDepDmpTblY_MtrNmpRadps_u0p16[2][0]  | 31                                |
| 2_EOTEXPOSDepDmpTblY_MtrNmpRadps_u0p16[2][1]  | 94                                |
| 2_EOTEXPOSDEPDINFTSHT_withNipRadps_u0p16[2][1] 2_EOTEXPosDepDmpTblY_MtrNmpRadps_u0p16[3][0]   | 160                               |
| 2_EOTEXPOSDEPDITIPTOIT_MitNiTipRadps_u0p16[3][0] 2_EOTEXPosDepDmpTblY_MtrNmpRadps_u0p16[3][1] | 224                               |
|   | 0                                 |
| 2_EOTPosDepDmpTblX_HwDeg_u12p4[0][0]  | 320                               |
| 2_EOTPosDepDmpTblX_HwDeg_u12p4[0][1]  | 0                                 |
| 2_EOTPosDepDmpTblX_HwDeg_u12p4[1][0]  |                                   |
| 2_EOTPosDopDmpTblX_HwDog_u12p4[1][1]  | 320                               |
| 2_EOTPosDopDopThIX_HwDog_u12p4[2][0]  | 0                                 |
| 2_EOTPosDepDmpTblX_HwDeg_u12p4[2][1]  | 320                               |
| 2_EOTPosDepDmpTbIX_HwDeg_u12p4[3][0]  | 0                                 |
| 2_EOTPosDepDmpTblX_HwDeg_u12p4[3][1]  | 320                               |
| 2_EOTPosDepDmpTblY_MtrNmpRadpS_u0p16[0][0]  | 0                                 |
| 2_EOTPosDepDmpTblY_MtrNmpRadpS_u0p16[0][1]  | 128                               |
| 2_EOTPosDepDmpTblY_MtrNmpRadpS_u0p16[1][0]  | 146                               |
| 2_EOTPosDepDmpTblY_MtrNmpRadpS_u0p16[1][1]  | 416                               |
| t2_EOTPosDepDmpTblY_MtrNmpRadpS_u0p16[2][0]   | 31                                |
| t2_EOTPosDepDmpTblY_MtrNmpRadpS_u0p16[2][1]   | 640                               |
| t2_EOTPosDepDmpTblY_MtrNmpRadpS_u0p16[3][0]   | 93                                |
| 12_EOTPosDepDmpTblY_MtrNmpRadpS_u0p16[3][1]   | 448                               |
|   | 0                                 |

2015-06-29, 18:31:27+0530



| EUTActuatorMng_Per1  |   |                            | MACILAB |
|--|---|----------------------------|---------|
| Name   | Input Value                             |                            |         |
| t_EOTDmpVspd_Kph_u9p7[1]   | 640                                     |                            |         |
| t EOTDmpVspd Kph u9p7[2]   | 1280                                    |                            |         |
| t_EOTDmpVspd_Kph_u9p7[3]   | 2560                                    |                            |         |
| t_EOTEnterGainVspd_Kph_u9p7[0]   | 0                                       |                            |         |
| t EOTEnterGainVspd Kph u9p7[1]   | 640                                     |                            |         |
| t EOTEnterGainVspd Kph u9p7[2]   | 1280                                    |                            |         |
| t_EOTEnterGainVspd_Kph_u9p7[3]   | 2944                                    |                            |         |
| t_SpdlptTblXTbl_HwDeg_u12p4[0]   | 400                                     |                            |         |
| t_SpdlptTblXTbl_HwDeg_u12p4[1]   | 816                                     |                            |         |
| t_SpdlptTblYTbl_MtrRadpS_u12p4[0]  | 304                                     |                            |         |
| t_SpdlptTblYTbl_MtrRadpS_u12p4[1]  | 976                                     |                            |         |
| t_TrqTableX_HwNm_u8p8[0]   | 2048                                    |                            |         |
| t_TrqTableX_HwNm_u8p8[1]   | 2304                                    |                            |         |
| t_TrqTblY_Uls_u2p14[0]   | 32                                      |                            |         |
| t_TrqTblY_Uls_u2p14[1]   | 327                                     |                            |         |
| target_EOTActuatorMng_Per1_CcwEOT_HwDeg_f32.value  | -777                                    |                            |         |
| target_EOTActuatorMng_Per1_CcwFound_Cnt_lgc.value  | 0                                       |                            |         |
| target_EOTActuatorMng_Per1_CwEOT_HwDeg_f32.value   | 855                                     |                            |         |
| target_EOTActuatorMng_Per1_CwFound_Cnt_lgc.value   | 0                                       |                            |         |
| target_EOTActuatorMng_Per1_EOTDisable_Cnt_lgc.value  | 1                                       |                            |         |
| target_EOTActuatorMng_Per1_HandWheelAuth_Uls_f32.value   | 0.670000017                             |                            |         |
| target_EOTActuatorMng_Per1_HandWheelPos_HwDeg_f32.value  | -760                                    |                            |         |
| target_EOTActuatorMng_Per1_HwTorque_HwNm_f32.value   | 10                                      |                            |         |
| target_EOTActuatorMng_Per1_MotorVel_MtrRadpS_f32.value   | 0.200000003                             |                            |         |
| target_EOTActuatorMng_Per1_OutputRampMultLtd_Uls_f32.value   | 0.165000007                             |                            |         |
| target_EOTActuatorMng_Per1_VehicleSpeed_Kph_f32.value  | 20                                      |                            |         |
| $target\_Rte\_Inst\_Ap\_EOTActuatorMng.EOTActuatorMng\_Per1\_AssistEOTDamping\_Per1\_AssistEOTD$ | target_EOTActuatorMng_Per1_AssistEOTDa  | amping_MtrNm_f32           |         |
| target_Rte_Inst_Ap_EOTActuatorMng.EOTActuatorMng_Per1_AssistEOTGain_Uls_   | target_EOTActuatorMng_Per1_AssistEOTG   | ain_Uls_f32                |         |
| $target\_Rte\_Inst\_Ap\_EOTActuatorMng\_EOTActuatorMng\_Per1\_AssistEOTLimit\_MtrNerserver (See Each Control of Contr$   | target_EOTActuatorMng_Per1_AssistEOTLin | mit_MtrNm_f32              |         |
| target_Rte_Inst_Ap_EOTActuatorMng.EOTActuatorMng_Per1_CcwEOT_HwDeg_f3  |   |                            |         |
| $target\_Rte\_Inst\_Ap\_EOTActuatorMng.EOTActuatorMng\_Per1\_CcwFound\_Cnt\_lgc$   | target_EOTActuatorMng_Per1_CcwFound_0   |                            |         |
| target_Rte_Inst_Ap_EOTActuatorMng.EOTActuatorMng_Per1_CwEOT_HwDeg_f32  |   |                            |         |
| target_Rte_Inst_Ap_EOTActuatorMng.EOTActuatorMng_Per1_CwFound_Cnt_Igc  | target_EOTActuatorMng_Per1_CwFound_C    |                            |         |
| target Rte Inst Ap EOTActuatorMng.EOTActuatorMng Per1 EOTDisable Cnt Igo   |   |                            |         |
| target_Rte_Inst_Ap_EOTActuatorMng.EOTActuatorMng_Per1_HandWheelAuth_Uls  |   |                            |         |
| target_Rte_Inst_Ap_EOTActuatorMng.EOTActuatorMng_Per1_HandWheelPos_Hwl   |   |                            |         |
| target_Rte_Inst_Ap_EOTActuatorMng.EOTActuatorMng_Per1_HwTorque_HwNm_f  |   | _                          |         |
| target_Rte_Inst_Ap_EOTActuatorMng.EOTActuatorMng_Per1_MotorVel_MtrRadpS  |   |                            |         |
| target_Rte_Inst_Ap_EOTActuatorMng.EOTActuatorMng_Per1_OutputRampMultLtd_   | 92 2                                    |                            |         |
| target_Rte_Inst_Ap_EOTActuatorMng.EOTActuatorMng_Per1_VehicleSpeed_Kph_  | target_EOTActuatorMng_Per1_VehicleSpee  | d_Kph_f32                  |         |
| Name   | Actual Value                            | Expected Value             | Result  |
| EOTActuatorMng_Damping_MtrNm_M_f32   | -6.75952005                             | -6.75952005 ± 0.0000390625 | •       |
| EOTActuatorMng_EOTImpactPos_HwDeg_M_f32  | 678                                     | 678 ± 0.0000390625         | •       |
| EOTActuatorMng_FiltEOTGainSV_HwNm_M_u1p31  | 869775042                               | 869775042 ± 1              | •       |
| EOTActuatorMng_FiltHWTrqSV_HwNm_M_s7p24  | -149678374                              | -149678374 ± 1             | •       |
| EOTActuatorMng_OutputRampMultLtd_M_f32   | 0.165000007                             | 0.165000007 ± 0.00390625   | •       |
| EOTActuatorMng_PrevEOTGain_Uls_M_f32   | 0.404998779                             | 0.404998779 ± 0.0625       | •       |
| EOTActuatorMng_SESState_Uls_M_enum   | SES_DISABLED                            | SES_DISABLED               | •       |
| torget EOTActuatorMag Dord AssistEOTDomping MtrNm f22 value  | 6.75052005                              | 6 75052005 ± 0 0004882812  | 5 .     |

| Dts Oall FOTA stratus Alara Band OBO Observation Description | Count | Dts Coll FOTA streta Mars David ODO Obs |                             | Count | rtoouit  |
|--|-------|---|-----------------------------|-------|----------|
| Actual Function  | Count | Expected Function                       |                             | Count | Result   |
| T  |       |   |                             |       | ✓        |
|  |       |   |                             |       |          |
| target_EOTActuatorMng_Per1_AssistEOTLimit_MtrNm_f32.value    |       | 8.80000019                              | 8.80000019 ± 0.00048828125  |       | •        |
| target_EOTActuatorMng_Per1_AssistEOTGain_Uls_f32.value       |       | 0.404998779                             | 0.404998779 ± 0.0000390625  |       | ~        |
| target_EOTActuatorMng_Per1_AssistEOTDamping_MtrNm_f32.value  |       | -6.75952005                             | -6.75952005 ± 0.00048828125 |       | ~        |
| EOTActuatorMng_SESState_Uls_M_enum                           |       | SES_DISABLED                            | SES_DISABLED                |       | ~        |
| EOTActuatorMng_PrevEOTGain_Uls_M_f32                         |       | 0.404998779                             | 0.404998779 ± 0.0625        |       | ~        |
| EOTActuatorMng_OutputRampMultLtd_M_f32                       |       | 0.165000007                             | 0.165000007 ± 0.00390625    |       | ~        |
| EOTActuatorMng_FiltHWTrqSV_HwNm_M_s7p24                      |       | -149678374                              | -149678374 ± 1              |       | <b>✓</b> |
| EOTActuatorMng_FiltEOTGainSV_HwNm_M_u1p31                    |       | 869775042                               | 869775042 ± 1               |       | ~        |
| EOTActuatorMng_EOTImpactPos_HwDeg_M_f32                      |       | 678                                     | 678 ± 0.0000390625          |       | _        |

| T  |       |  |       | ✓        |
|--|-------|--|-------|----------|
| Actual Function                                    | Count | Expected Function                                  | Count | Result   |
| Rte_Call_EOTActuatorMng_Per1_CP0_CheckpointReached | 1     | Rte_Call_EOTActuatorMng_Per1_CP0_CheckpointReached | 1     | ~        |
| EOTDetermination                                   | 1     | EOTDetermination                                   | 1     | •        |
| SES_DetLmtPos                                      | 1     | SES_DetLmtPos                                      | 1     | ~        |
| SES_CalcExitGain                                   | 1     | SES_CalcExitGain                                   | 1     | <b>✓</b> |
| IntplVarXY_u16_u16Xu16Y_Cnt                        | 1     | IntplVarXY_u16_u16Xu16Y_Cnt                        | 1     | ~        |
| SES_CalcEnterGain                                  | 1     | SES_CalcEnterGain                                  | 1     | •        |
| BilinearXMYM_u16_u16XMu16YM_Cnt                    | 1     | BilinearXMYM_u16_u16XMu16YM_Cnt                    | 1     | •        |
| SES_CalcEOTGain                                    | 1     | SES_CalcEOTGain                                    | 1     | •        |
| SES_FiltEOTGain                                    | 1     | SES_FiltEOTGain                                    | 1     | ~        |
| SES_CalcEOTDamp                                    | 1     | SES_CalcEOTDamp                                    | 1     | ~        |
| BilinearXMYM_u16_u16XMu16YM_Cnt                    | 1     | BilinearXMYM_u16_u16XMu16YM_Cnt                    | 1     | ~        |
| SES_StateCtrl                                      | 1     | SES_StateCtrl                                      | 1     | <b>✓</b> |
| Rte_Call_EOTActuatorMng_Per1_CP1_CheckpointReached | 1     | Rte_Call_EOTActuatorMng_Per1_CP1_CheckpointReached | 1     | ~        |





| Page   Communication   Designing Bethin ID 12   4,0000159  | Test Step 3.3 (Repeat Count = 1)              | <b>-</b>    |
|--|---|-------------|
| EOTALASIANDR _ DEPTION AND TO SERVED   |   | Input Value |
| FOOTAmentoder_FOOTamesty   Months, May 1924   26195524   |   | ·           |
| EOTA-austoring_EHM*TragN_LAPAN_LAP   |   |             |
| EOTAculatorMag_Pen-EOTGan_US_M_122   055000012   | EOTActuatorMng_FiltEOTGainSV_HwNm_M_u1p31     | 966367642   |
| FOTALMANDERSESSEE_UR_M_mem   FOTALMANDERSESSEE_UR_M_mem   REDITABLE   December   Decem   | EOTActuatorMng_FiltHWTrqSV_HwNm_M_s7p24       | -25165824   |
| Re. Inst. Ap. EOTAchasborhing   Suppl. Re. Inst. Ap. EOTAchasborhing   |   | 0.550000012 |
| R. FOTOREPORT PRINCE   MATERIA   1988     R. FOTOREPORT   MARCH   MARCH   MATERIA   1987     R. FOTOREPORT   MARCH     |   |             |
| ECTOREINSTRUM. JAMPA 1997   1984   ECTOROSTRUM. JAMPA 1997   1984   ECTOROSTRUM. JAMPA 1997   1984   ECTOROSTRUM. JAMPA 1997   1996   ECTOROSTRUM. JAMPA 1997    |   |             |
|  |   |             |
| K.POTTMC-CATL, U.B., U   |   |             |
| R.COTICHE PRO_COL_116  |   |             |
| K.B.OTINSpacetin Kni. MoP   South Kni.   |   |             |
| K. EOTOriginalinpactanosteri                        | k_EOTExitLPFKn_Cnt_u16                        | 3564        |
| E. EDTS-elsephotem-Final Service Methinsps   | k_EOTImpSpdEn_Kph_u9p7                        | 8064        |
| K_BOTSAIRHANTQ  FFKN_CD_U159   100   | k_EOTOriginalImpactandSoftEnd_Cnt_lgc         | 0           |
| K_MinRackTrd_Hubbeg_u12p4  |   |             |
| KMR-RackTrv  HvDeg, u1294   1948      |   |             |
| K. PoRSIANOSTEAL COTAL (PACE)   14   16   16   16   16   16   16   16  |   |             |
| K. SO/ISOSEOTERABLE_COT.  1gc  |   |             |
| K. SdylloSale_MRNinpRadS_suip12         88           Z. EOTERIACSIAX, Hubog_u12440[0]         0           IZ_EOTERIACSIAX, Hubog_u12440[1]         480           Z_EOTERIACSIAX, Hubog_u12440[0]         980           Z_EOTERIACSIAX, Hubog_u12440[0]         1440           Z_EOTERIACSIAX, Hubog_u12441[1]         480           Z_EOTERIACSIAX, Hubog_u12441[1]         480           Z_EOTERIACSIAX, Hubog_u12441[1]         480           Z_EOTERIACSIAX, Hubog_u12441[1]         480           Z_EOTERIACSIAX, Hubog_u1244[1]         480           Z_EOTERIACSIAX, Hubog_u1244[2]         980           Z_EOTERIACSIAX, Hubog_u1244[2]         980           Z_EOTERIACSIAX, Hubog_u1244[2]         980           Z_EOTERIACSIAX, Hubog_u1244[2]         980           Z_EOTERIACSIAX, Hubog_u1244[3]         1440           Z_EOTERIACSIAX, Hubog_u1244[3]         480           Z_EOTERIACSIAX, Hubog_u1244[3]         480           Z_EOTERIACSIAX, Hubog_u1244[3]         1440           Z_EOTERIACSIAX, Hubog_u1244[3]         1440           Z_EOTERIACSIAY, Hub_u125[0][1]         10813           Z_EOTERIACSIAY, Hubog_u1244[3]         1440           Z_EOTERIACSIAY, Hubog_u125[1][1]         10813           Z_EOTERIACSIAY, Hubog_u125[1][1]         10813 <td>. –</td> <td></td>   | . –   |             |
| iz EDTEInterGainX, Hwb0eg_u1/2p4(0)[0]         40           iz_EDTEInterGainX, Hwb0eg_u1/2p4(0)[0]         40           iz_EDTEInterGainX, Hwb0eg_u1/2p4(0)[0]         400           iz_EDTEInterGainX, Hwb0eg_u1/2p4(0)[0]         1440           iz_EDTEInterGainX, Hwb0eg_u1/2p4(0)[1]         480           iz_EDTEInterGainX, Hwb0eg_u1/2p4(1)[1]         480           iz_EDTEInterGainX, Hwb0eg_u1/2p4(1)[0]         1440           iz_EDTEInterGainX, Hwb0eg_u1/2p4(1)[0]         0           iz_EDTEInterGainX, Hwb0eg_u1/2p4(2)[0]         0           iz_EDTEInterGainX, Hwb0eg_u1/2p4(3)[0]         480           iz_EDTEInterGainX, Hwb0eg_u1/2p4(3)[0]         0           iz_EDTEInterGainX, Hwb0eg_u1/2p4(3)[0]         0           iz_EDTEInterGainX, Hwb0eg_u1/2p4(3)[0]         1440           iz_EDTEInterGainX, Us_u1/2p5(0)[0]         0           iz_EDTEInterGainX, Us_u1/2p5(0)[0]         0           iz_EDTEInterGainX, Us_u1/2p5(0)[0]         0           iz_EDTEInterGainY, Us_u1/2p5(0)[0]         0           iz_EDTEInterGainY, Us_u1/2p5(0)[0]   |   |             |
|  |   |             |
|  |   |             |
| P. EDTENETGAINX, HWDeg_u12p4(1)[1]   |   | 960         |
| 2_EOTEnterGainX_HwDeg_u12p4[1][1]  |   |             |
| Page      | t2_EOTEnterGainX_HwDeg_u12p4[1][0]            |             |
| P. EOTEMEGRINX, HWDeg_u12p4[1]3  |   |             |
| P. EDTEMEGAIX, HwDeg_u12p4[2][0]         0           P. EOTEMEGAIX, HwDeg_u12p4[2][1]         480           P. EOTEMEGAIX, HwDeg_u12p4[2][3]         1440           P. EOTEMEGAIX, HwDeg_u12p4[2][9]         0           P. EOTEMEGAIX, HwDeg_u12p4[3][1]         480           P. EOTEMEGAIX, HwDeg_u12p4[3][1]         480           P. EOTEMEGAIX, HwDeg_u12p4[3][2]         980           P. EOTEMEGAIX, HwDeg_u12p4[3][3]         1440           P. EOTEMEGAIX, HwDeg_u12p4[3][3]         1440           P. EOTEMEGAIX, HwDeg_u12p4[3][3]         1440           P. EOTEMEGAIX, HwDeg_u12p4[3][3]         1440           P. EOTEMEGAIX, Uls_u1p15[0][0]         0           P. EOTEMEGAIX, Uls_u1p15[0][0]         0           P. EOTEMEGAIX, Uls_u1p15[0][2]         21627           P. EOTEMEGAIX, Uls_u1p15[1][1]         10813           P. EOTEMEGAIX, Uls_u1p15[1][2]         21627           P. EOTEMEGAIX, Uls_u1p15[2][2]         21627           P. EOTEMEGAIX, Uls_u1p15[2][0]         0           P. EOTEMEGAIX, Uls_u1p15[2][0]         0           P. EOTEMEGAIX, Uls_u1p15[2][1]         10813           P. EOTEMEGAIX, Uls_u1p15[2][2]         21627           P. EOTEMEGAIX, Uls_u1p15[2][2]         21627           P. EOTEMEGAIX, Uls_u1p15[3][0]         0  |   |             |
| Part      |   |             |
| Page      |   |             |
| P. EOTEINTEGRINY, J. L.  |   |             |
| P.   EOTEnterGainX, HwDeg_ut2p4[3][0]   0   12,EOTEnterGainX, HwDeg_ut2p4[3][1]   480      |   |             |
| Page      |   | 0           |
|  | t2_EOTEnterGainX_HwDeg_u12p4[3][1]            | 480         |
| Page      | t2_EOTEnterGainX_HwDeg_u12p4[3][2]            | 960         |
| 10813   1081   | t2_EOTEnterGainX_HwDeg_u12p4[3][3]            | 1440        |
| 12_EOTEnterGainY_Uls_u1p15[0][2]   21627    2_EOTEnterGainY_Uls_u1p15[0][3]   32768    2_EOTEnterGainY_Uls_u1p15[1][0]   0    2_EOTEnterGainY_Uls_u1p15[1][1]   10813    2_EOTEnterGainY_Uls_u1p15[1][2]   21627    2_EOTEnterGainY_Uls_u1p15[1][3]   32768    2_EOTEnterGainY_Uls_u1p15[2][0]   0    2_EOTEnterGainY_Uls_u1p15[2][0]   0    2_EOTEnterGainY_Uls_u1p15[2][1]   10813    2_EOTEnterGainY_Uls_u1p15[2][2]   21627    2_EOTEnterGainY_Uls_u1p15[2][2]   21627    2_EOTEnterGainY_Uls_u1p15[2][3]   32768    2_EOTEnterGainY_Uls_u1p15[3][3]   32768    2_EOTEnterGainY_Uls_u1p15[3][0]   0    2_EOTEnterGainY_Uls_u1p15[3][1]   10813    2_EOTEnterGainY_Uls_u1p15[3][2]   21627    2_EOTEnterGainY_Uls_u1p15[3][3]   32768    2_EOTEnterGainY_Uls_u1p15[3][3]   32768    2_EOTEnterGainY_Uls_u1p15[3][3]   32768    2_EOTENPOSDEDDmpTblY_MtrNmpRadps_u0p16[0][0]   0    2_EOTEXPOSDEDDmpTblY_MtrNmpRadps_u0p16[0][1]   256    2_EOTEXPOSDEDDmpTblY_MtrNmpRadps_u0p16[0][1]   512    2_EOTEXPOSDEDDmpTblY_MtrNmpRadps_u0p16[1][1]   512    2_EOTEXPOSDEDDmpTblY_MtrNmpRadps_u0p16[2][1]   94    2_EOTEXPOSDEDDmpTblY_MtrNmpRadps_u0p16[3][0]   160    2_EOTEXPOSDEDDmpTblY_MtrNmpRadps_u0p16[3][0]   160    2_EOTEXPOSDEDDmpTblY_MtrNmpRadps_u0p16[3][0]   0    2_EOTEXPOSDEDDmpTblY_MtrNmpRadps_u0p16[3][1]   224    2_EOT   |   |             |
| 12_EOTEnterGainY_Uls_utp15[0][3]   32768    2_EOTEnterGainY_Uls_utp15[1][1]   10813    2_EOTEnterGainY_Uls_utp15[1][2]   21627    2_EOTEnterGainY_Uls_utp15[1][3]   32768    2_EOTEnterGainY_Uls_utp15[1][3]   32768    2_EOTEnterGainY_Uls_utp15[2][0]   0    2_EOTEnterGainY_Uls_utp15[2][1]   10813    2_EOTEnterGainY_Uls_utp15[2][1]   10813    2_EOTEnterGainY_Uls_utp15[2][2]   21627    2_EOTEnterGainY_Uls_utp15[2][3]   32768    2_EOTEnterGainY_Uls_utp15[2][3]   32768    2_EOTEnterGainY_Uls_utp15[3][3]   32768    2_EOTEnterGainY_Uls_utp15[3][1]   10813    2_EOTEnterGainY_Uls_utp15[3][1]   10813    2_EOTEnterGainY_Uls_utp15[3][2]   21627    2_EOTEnterGainY_Uls_utp15[3][2]   21627    2_EOTEnterGainY_Uls_utp15[3][3]   32768    2_EOTENDEDEDDEDDEDDEDDEDDEDDEDDEDDEDDEDDEDDED  |   |             |
| t2_EOTEnterGainY_Uls_ulp15[1][0] 0 t2_EOTEnterGainY_Uls_ulp15[1][1] 10813 t2_EOTEnterGainY_Uls_ulp15[1][2] 21627 t2_EOTEnterGainY_Uls_ulp15[1][3] 32768 t2_EOTEnterGainY_Uls_ulp15[2][1] 10813 t2_EOTEnterGainY_Uls_ulp15[2][1] 10813 t2_EOTEnterGainY_Uls_ulp15[2][2] 21627 t2_EOTEnterGainY_Uls_ulp15[2][3] 32768 t2_EOTEnterGainY_Uls_ulp15[3][3] 32768 t2_EOTEnterGainY_Uls_ulp15[3][1] 10813 t2_EOTEnterGainY_Uls_ulp15[3][1] 10813 t2_EOTEnterGainY_Uls_ulp15[3][1] 10813 t2_EOTEnterGainY_Uls_ulp15[3][2] 21627 t2_EOTEnterGainY_Uls_ulp15[3][3] 32768 t2_EOTEnterGainY_Uls_ulp15[3][3] 32768 t2_EOTEnterGainY_Uls_ulp15[3][3] 32768 t2_EOTEnterGainY_Uls_ulp15[3][3] 32768 t2_EOTExPosDepDmpTblY_MtrNmpRadps_u0p16[0][0] 0 t2_EOTExPosDepDmpTblY_MtrNmpRadps_ulp16[0][0] 154 t2_EOTExPosDepDmpTblY_MtrNmpRadps_ulp16[1][1] 512 t2_EOTExPosDepDmpTblY_MtrNmpRadps_ulp16[1][1] 512 t2_EOTExPosDepDmpTblY_MtrNmpRadps_ulp16[2][0] 31 t2_EOTExPosDepDmpTblY_MtrNmpRadps_ulp16[2][0] 31 t2_EOTExPosDepDmpTblY_MtrNmpRadps_ulp16[2][0] 31 t2_EOTExPosDepDmpTblY_MtrNmpRadps_ulp16[3][0] 160 t2_EOTExPosDepDmpTblY_MtrNmpRadps_ulp16[3][0] 160 t2_EOTExPosDepDmpTblY_MtrNmpRadps_ulp16[3][0] 160 t2_EOTExPosDepDmpTblY_MtrNmpRadps_ulp16[3][0] 0 t2_EOTExPosDepDmpTblY_MtrNmpRadps_ulp16[3][0] 160 t2_EOTExPosDepDmpTblY_MtrNmpRadps_ulp16[3][0] 0 t2_EOTExPosDepDmpTblY_MtrNmpRadps_ulp16[3][0] 160 t2_EOTExPosDepDmpTblY_MtrNmpRadps_ulp16[3][0] 0 t2_EOTExPosDepDmpTblY_Mt |   |             |
| 12   |   |             |
| t2_EOTEnterGainY_Uls_u1p15[1][2] 21627 t2_EOTEnterGainY_Uls_u1p15[2][0] 0 t2_EOTEnterGainY_Uls_u1p15[2][0] 0 t2_EOTEnterGainY_Uls_u1p15[2][1] 10813 t2_EOTEnterGainY_Uls_u1p15[2][2] 21627 t2_EOTEnterGainY_Uls_u1p15[2][3] 32768 t2_EOTEnterGainY_Uls_u1p15[2][3] 32768 t2_EOTEnterGainY_Uls_u1p15[3][0] 0 t2_EOTEnterGainY_Uls_u1p15[3][0] 0 t2_EOTEnterGainY_Uls_u1p15[3][1] 10813 t2_EOTEnterGainY_Uls_u1p15[3][2] 21627 t2_EOTEnterGainY_Uls_u1p15[3][3] 32768 t2_EOTEnterGainY_Uls_u1p15[3][3] 32768 t2_EOTExPosDepDmpTblY_MtrNmpRadps_u0p16[0][0] 0 t2_EOTExPosDepDmpTblY_MtrNmpRadps_u0p16[0][0] 156 t2_EOTExPosDepDmpTblY_MtrNmpRadps_u0p16[0][1] 256 t2_EOTExPosDepDmpTblY_MtrNmpRadps_u0p16[1][1] 512 t2_EOTExPosDepDmpTblY_MtrNmpRadps_u0p16[2][0] 31 t2_EOTExPosDepDmpTblY_MtrNmpRadps_u0p16[2][0] 31 t2_EOTExPosDepDmpTblY_MtrNmpRadps_u0p16[2][1] 94 t2_EOTExPosDepDmpTblY_MtrNmpRadps_u0p16[3][0] 160 t2_EOTExPosDepDmpTblY_MtrNmpRadps_u0p16[3][1] 224 t2_EOTExPosDepDmpTblY_MtrNmpRadps_u0p16[3][1] 224 t2_EOTPosDepDmpTblY_MtrNmpRadps_u1p16[3][1] 224 t2_EOTPosDepDmpTblY_MtrNmpRadps_u1p16[3][1] 320 t2_EOTPosDepDmpTblY_Hbdeg_u12p4[0][1] 320 t2_EOTPosDepDmpTblX_HwDeg_u12p4[0][1] 320  |   | · ·         |
| 12_EOTEnterGainY_Uls_u1p15[1][3]   32768     12_EOTEnterGainY_Uls_u1p15[2][0]   0     12_EOTEnterGainY_Uls_u1p15[2][1]   10813     12_EOTEnterGainY_Uls_u1p15[2][2]   21627     12_EOTEnterGainY_Uls_u1p15[2][3]   32768     12_EOTEnterGainY_Uls_u1p15[3][0]   0     12_EOTEnterGainY_Uls_u1p15[3][1]   10813     12_EOTEnterGainY_Uls_u1p15[3][2]   21627     12_EOTEnterGainY_Uls_u1p15[3][2]   21627     12_EOTEnterGainY_Uls_u1p15[3][3]   32768     12_EOTEnterGainY_Uls_u1p15[3][3]   32768     12_EOTExPosDepDmpTblY_MtrNmpRadps_u0p16[0][0]   0     12_EOTExPosDepDmpTblY_MtrNmpRadps_u0p16[0][1]   256     12_EOTExPosDepDmpTblY_MtrNmpRadps_u0p16[1][0]   154     12_EOTExPosDepDmpTblY_MtrNmpRadps_u0p16[2][0]   31     12_EOTExPosDepDmpTblY_MtrNmpRadps_u0p16[2][0]   31     12_EOTExPosDepDmpTblY_MtrNmpRadps_u0p16[2][1]   94     12_EOTExPosDepDmpTblY_MtrNmpRadps_u0p16[3][1]   224     12_EOTExPosDepDmpTblY_MtrNmpRadps_u0p16[3][1]   224     12_EOTPosDepDmpTblX_HwDeg_u12p4[0][0]   0     12_EOTPosDepDmpTblX_HwDeg_u12p4[0][0]   0     12_EOTPosDepDmpTblX_HwDeg_u12p4[0][0]   0     12_EOTPosDepDmpTblX_HwDeg_u12p4[0][1]   320     12_EOTPosDepDmpTblX_HwDeg_u12p4[0][1]   0  |   |             |
| 12_EOTEnterGainY_Uls_u1p15[2][1]   10813   12_EOTEnterGainY_Uls_u1p15[2][2]   21627   12_EOTEnterGainY_Uls_u1p15[2][3]   32768   12_EOTEnterGainY_Uls_u1p15[3][0]   0   0   12_EOTEnterGainY_Uls_u1p15[3][1]   10813   10813   10813   10813   10814   10815   |   | 32768       |
| t2_EOTEnterGainY_Uls_u1p15[2][2] 21627 t2_EOTEnterGainY_Uls_u1p15[2][3] 32768 t2_EOTEnterGainY_Uls_u1p15[3][0] 0 t2_EOTEnterGainY_Uls_u1p15[3][1] 10813 t2_EOTEnterGainY_Uls_u1p15[3][2] 21627 t2_EOTEnterGainY_Uls_u1p15[3][2] 21627 t2_EOTEnterGainY_Uls_u1p15[3][3] 32768 t2_EOTENterGainY_Uls_u1p15[3][3] 32768 t2_EOTExPosDepDmpTblY_MtrNmpRadps_u0p16[0][0] 0 t2_EOTExPosDepDmpTblY_MtrNmpRadps_u0p16[0][1] 256 t2_EOTExPosDepDmpTblY_MtrNmpRadps_u0p16[1][0] 154 t2_EOTExPosDepDmpTblY_MtrNmpRadps_u0p16[1][0] 31 t2_EOTExPosDepDmpTblY_MtrNmpRadps_u0p16[2][0] 31 t2_EOTExPosDepDmpTblY_MtrNmpRadps_u0p16[2][0] 31 t2_EOTExPosDepDmpTblY_MtrNmpRadps_u0p16[3][0] 460 t2_EOTExPosDepDmpTblY_MtrNmpRadps_u0p16[3][1] 224 t2_EOTExPosDepDmpTblY_MtrNmpRadps_u0p16[3][1] 224 t2_EOTPosDepDmpTblY_MtrNmpRadps_u0p16[3][1] 320 t2_EOTPosDepDmpTblX_HwDeg_u12p4[0][1] 320 t2_EOTPosDepDmpTblX_HwDeg_u12p4[0][1] 320   |   | 0           |
| 12_EOTEnterGainY_Uls_u1p15[2][3]       32768         12_EOTEnterGainY_Uls_u1p15[3][0]       0         12_EOTEnterGainY_Uls_u1p15[3][1]       10813         12_EOTEnterGainY_Uls_u1p15[3][2]       21627         12_EOTEnterGainY_Uls_u1p15[3][3]       32768         12_EOTExPosDepDmpTblY_MtrNmpRadps_u0p16[0][0]       0         12_EOTExPosDepDmpTblY_MtrNmpRadps_u0p16[0][1]       256         12_EOTExPosDepDmpTblY_MtrNmpRadps_u0p16[1][0]       154         12_EOTExPosDepDmpTblY_MtrNmpRadps_u0p16[2][0]       31         12_EOTExPosDepDmpTblY_MtrNmpRadps_u0p16[2][0]       31         12_EOTExPosDepDmpTblY_MtrNmpRadps_u0p16[2][1]       94         12_EOTExPosDepDmpTblY_MtrNmpRadps_u0p16[3][0]       160         12_EOTExPosDepDmpTblY_MtrNmpRadps_u0p16[3][0]       224         12_EOTPosDepDmpTblX_HwDeg_u12p4[0][0]       0         12_EOTPosDepDmpTblX_HwDeg_u12p4[0][0]       0         12_EOTPosDepDmpTblX_HwDeg_u12p4[0][1]       320         12_EOTPosDepDmpTblX_HwDeg_u12p4[1][0]       0  |   | 10813       |
| 12_EOTEnterGainY_Uls_u1p15[3][0]       0         12_EOTEnterGainY_Uls_u1p15[3][1]       10813         12_EOTEnterGainY_Uls_u1p15[3][2]       21627         12_EOTEnterGainY_Uls_u1p15[3][3]       32768         12_EOTEXPOSDEPDmpTbIY_MtrNmpRadps_u0p16[0][0]       0         12_EOTEXPOSDEPDmpTbIY_MtrNmpRadps_u0p16[0][1]       256         12_EOTEXPOSDEPDmpTbIY_MtrNmpRadps_u0p16[1][0]       154         12_EOTEXPOSDEPDmpTbIY_MtrNmpRadps_u0p16[1][1]       512         12_EOTEXPOSDEPDmpTbIY_MtrNmpRadps_u0p16[2][0]       31         12_EOTEXPOSDEPDmpTbIY_MtrNmpRadps_u0p16[2][0]       31         12_EOTEXPOSDEPDmpTbIY_MtrNmpRadps_u0p16[3][0]       160         12_EOTEXPOSDEPDmpTbIY_MtrNmpRadps_u0p16[3][1]       224         12_EOTPOSDEPDmpTbIX_HwDeg_u12p4[0][0]       0         12_EOTPOSDEPDmpTbIX_HwDeg_u12p4[0][1]       320         12_EOTPOSDEPDmpTbIX_HwDeg_u12p4[1][0]       0  |   |             |
| 12_EOTEnterGainY_Uls_u1p15[3][1]       10813         12_EOTEnterGainY_Uls_u1p15[3][2]       21627         12_EOTEnterGainY_Uls_u1p15[3][3]       32768         12_EOTExPosDepDmpTbIY_MtrNmpRadps_u0p16[0][0]       0         12_EOTExPosDepDmpTbIY_MtrNmpRadps_u0p16[0][1]       256         12_EOTExPosDepDmpTbIY_MtrNmpRadps_u0p16[1][0]       154         12_EOTExPosDepDmpTbIY_MtrNmpRadps_u0p16[1][1]       512         12_EOTExPosDepDmpTbIY_MtrNmpRadps_u0p16[2][0]       31         12_EOTExPosDepDmpTbIY_MtrNmpRadps_u0p16[2][1]       94         12_EOTExPosDepDmpTbIY_MtrNmpRadps_u0p16[3][0]       160         12_EOTExPosDepDmpTbIY_MtrNmpRadps_u0p16[3][1]       224         12_EOTPosDepDmpTbIX_HwDeg_u12p4[0][0]       0         12_EOTPosDepDmpTbIX_HwDeg_u12p4[0][1]       320         12_EOTPosDepDmpTbIX_HwDeg_u12p4[1][0]       0   |   |             |
| t2_EOTEnterGainY_Uls_u1p15[3][2]       21627         t2_EOTEnterGainY_Uls_u1p15[3][3]       32768         t2_EOTExPosDepDmpTbIY_MtrNmpRadps_u0p16[0][0]       0         t2_EOTExPosDepDmpTbIY_MtrNmpRadps_u0p16[0][1]       256         t2_EOTExPosDepDmpTbIY_MtrNmpRadps_u0p16[1][0]       154         t2_EOTExPosDepDmpTbIY_MtrNmpRadps_u0p16[1][1]       512         t2_EOTExPosDepDmpTbIY_MtrNmpRadps_u0p16[2][0]       31         t2_EOTExPosDepDmpTbIY_MtrNmpRadps_u0p16[2][1]       94         t2_EOTExPosDepDmpTbIY_MtrNmpRadps_u0p16[3][0]       160         t2_EOTExPosDepDmpTbIY_MtrNmpRadps_u0p16[3][1]       224         t2_EOTPosDepDmpTbIX_HwDeg_u12p4[0][0]       0         t2_EOTPosDepDmpTbIX_HwDeg_u12p4[0][1]       320         t2_EOTPosDepDmpTbIX_HwDeg_u12p4[1][0]       0  |   |             |
| 12_EOTEnterGainY_Uls_u1p15[3][3]       32768         12_EOTExPosDepDmpTblY_MtrNmpRadps_u0p16[0][0]       0         12_EOTExPosDepDmpTblY_MtrNmpRadps_u0p16[0][1]       256         12_EOTExPosDepDmpTblY_MtrNmpRadps_u0p16[1][0]       154         12_EOTExPosDepDmpTblY_MtrNmpRadps_u0p16[1][1]       512         12_EOTExPosDepDmpTblY_MtrNmpRadps_u0p16[2][0]       31         12_EOTExPosDepDmpTblY_MtrNmpRadps_u0p16[2][1]       94         12_EOTExPosDepDmpTblY_MtrNmpRadps_u0p16[3][0]       160         12_EOTExPosDepDmpTblY_MtrNmpRadps_u0p16[3][1]       224         12_EOTPosDepDmpTblX_HwDeg_u12p4[0][0]       0         12_EOTPosDepDmpTblX_HwDeg_u12p4[0][1]       320         12_EOTPosDepDmpTblX_HwDeg_u12p4[1][0]       0   |   |             |
| t2_EOTExPosDepDmpTblY_MtrNmpRadps_u0p16[0][0] 0 t2_EOTExPosDepDmpTblY_MtrNmpRadps_u0p16[0][1] 256 t2_EOTExPosDepDmpTblY_MtrNmpRadps_u0p16[1][0] 154 t2_EOTExPosDepDmpTblY_MtrNmpRadps_u0p16[1][1] 512 t2_EOTExPosDepDmpTblY_MtrNmpRadps_u0p16[2][0] 31 t2_EOTExPosDepDmpTblY_MtrNmpRadps_u0p16[2][0] 94 t2_EOTExPosDepDmpTblY_MtrNmpRadps_u0p16[2][1] 94 t2_EOTExPosDepDmpTblY_MtrNmpRadps_u0p16[3][0] 160 t2_EOTExPosDepDmpTblY_MtrNmpRadps_u0p16[3][1] 224 t2_EOTPosDepDmpTblX_HwDeg_u12p4[0][0] 0 t2_EOTPosDepDmpTblX_HwDeg_u12p4[0][1] 320 t2_EOTPosDepDmpTblX_HwDeg_u12p4[1][0] 0   |   |             |
| 12_EOTEXPOSDepDmpTbIY_MtrNmpRadps_u0p16[0][1]       256         12_EOTEXPOSDepDmpTbIY_MtrNmpRadps_u0p16[1][0]       154         12_EOTEXPOSDepDmpTbIY_MtrNmpRadps_u0p16[1][1]       512         12_EOTEXPOSDepDmpTbIY_MtrNmpRadps_u0p16[2][0]       31         12_EOTEXPOSDepDmpTbIY_MtrNmpRadps_u0p16[2][1]       94         12_EOTEXPOSDepDmpTbIY_MtrNmpRadps_u0p16[3][0]       160         12_EOTEXPOSDepDmpTbIY_MtrNmpRadps_u0p16[3][1]       224         12_EOTPOSDepDmpTbIX_HwDeg_u12p4[0][0]       0         12_EOTPOSDepDmpTbIX_HwDeg_u12p4[0][1]       320         12_EOTPOSDepDmpTbIX_HwDeg_u12p4[1][0]       0  |   |             |
| t2_EOTExPosDepDmpTblY_MtrNmpRadps_u0p16[1][0]       154         t2_EOTExPosDepDmpTblY_MtrNmpRadps_u0p16[1][1]       512         t2_EOTExPosDepDmpTblY_MtrNmpRadps_u0p16[2][0]       31         t2_EOTExPosDepDmpTblY_MtrNmpRadps_u0p16[2][1]       94         t2_EOTExPosDepDmpTblY_MtrNmpRadps_u0p16[3][0]       160         t2_EOTExPosDepDmpTblY_MtrNmpRadps_u0p16[3][1]       224         t2_EOTPosDepDmpTblX_HwDeg_u12p4[0][0]       0         t2_EOTPosDepDmpTblX_HwDeg_u12p4[0][1]       320         t2_EOTPosDepDmpTblX_HwDeg_u12p4[1][0]       0  |   |             |
| t2_EOTExPosDepDmpTblY_MtrNmpRadps_u0p16[1][1]       512         t2_EOTExPosDepDmpTblY_MtrNmpRadps_u0p16[2][0]       31         t2_EOTExPosDepDmpTblY_MtrNmpRadps_u0p16[2][1]       94         t2_EOTExPosDepDmpTblY_MtrNmpRadps_u0p16[3][0]       160         t2_EOTExPosDepDmpTblY_MtrNmpRadps_u0p16[3][1]       224         t2_EOTPosDepDmpTblX_HwDeg_u12p4[0][0]       0         t2_EOTPosDepDmpTblX_HwDeg_u12p4[0][1]       320         t2_EOTPosDepDmpTblX_HwDeg_u12p4[1][0]       0  |   |             |
| t2_EOTExPosDepDmpTblY_MtrNmpRadps_u0p16[2][1]       94         t2_EOTExPosDepDmpTblY_MtrNmpRadps_u0p16[3][0]       160         t2_EOTExPosDepDmpTblY_MtrNmpRadps_u0p16[3][1]       224         t2_EOTPosDepDmpTblX_HwDeg_u12p4[0][0]       0         t2_EOTPosDepDmpTblX_HwDeg_u12p4[0][1]       320         t2_EOTPosDepDmpTblX_HwDeg_u12p4[1][0]       0   |   |             |
| t2_EOTExPosDepDmpTblY_MtrNmpRadps_u0p16[3][0]       160         t2_EOTExPosDepDmpTblY_MtrNmpRadps_u0p16[3][1]       224         t2_EOTPosDepDmpTblX_HwDeg_u12p4[0][0]       0         t2_EOTPosDepDmpTblX_HwDeg_u12p4[0][1]       320         t2_EOTPosDepDmpTblX_HwDeg_u12p4[1][0]       0  | t2_EOTExPosDepDmpTblY_MtrNmpRadps_u0p16[2][0] | 31          |
| t2_EOTExPosDepDmpTblY_MtrNmpRadps_u0p16[3][1]       224         t2_EOTPosDepDmpTblX_HwDeg_u12p4[0][0]       0         t2_EOTPosDepDmpTblX_HwDeg_u12p4[0][1]       320         t2_EOTPosDepDmpTblX_HwDeg_u12p4[1][0]       0  |   |             |
| t2_EOTPosDepDmpTblX_HwDeg_u12p4[0][0]       0         t2_EOTPosDepDmpTblX_HwDeg_u12p4[0][1]       320         t2_EOTPosDepDmpTblX_HwDeg_u12p4[1][0]       0  |   |             |
| t2_EOTPosDepDmpTblX_HwDeg_u12p4[0][1]       320         t2_EOTPosDepDmpTblX_HwDeg_u12p4[1][0]       0  |   |             |
| t2_EOTPosDepDmpTblX_HwDeg_u12p4[1][0] 0  |   |             |
|  |   |             |
|  |   |             |
| t2_EOTPosDepDmpTblX_HwDeg_u12p4[2][0] 0  |   |             |
| t2_EOTPosDepDmpTblX_HwDeg_u12p4[2][0]  |   |             |
| t2_EOTPosDepDmpTblX_HwDeg_u12p4[3][0] 0  |   |             |
| t2_EOTPosDepDmpTblX_HwDeg_u12p4[3][1] 320  |   | 320         |
| t2_EOTPosDepDmpTblY_MtrNmpRadpS_u0p16[0][0] 0  | t2_EOTPosDepDmpTblY_MtrNmpRadpS_u0p16[0][0]   | 0           |

2015-06-29, 18:31:27+0530



| Name   | Input Value                             |                             |       |
|--|---|-----------------------------|-------|
| t2_EOTPosDepDmpTblY_MtrNmpRadpS_u0p16[0][1]  | 128                                     |                             |       |
| t2_EOTPosDepDmpTblY_MtrNmpRadpS_u0p16[1][0]  | 146                                     |                             |       |
| t2_EOTPosDepDmpTblY_MtrNmpRadpS_u0p16[1][1]  | 416                                     |                             |       |
| t2_EOTPosDepDmpTblY_MtrNmpRadpS_u0p16[2][0]  | 31                                      |                             |       |
| t2_EOTPosDepDmpTblY_MtrNmpRadpS_u0p16[2][1]  | 640                                     |                             |       |
| t2_EOTPosDepDmpTblY_MtrNmpRadpS_u0p16[3][0]  | 93                                      |                             |       |
| t2_EOTPosDepDmpTblY_MtrNmpRadpS_u0p16[3][1]  | 448                                     |                             |       |
| t_EOTDmpVspd_Kph_u9p7[0]   | 0                                       |                             |       |
| t_EOTDmpVspd_Kph_u9p7[1]   | 640                                     |                             |       |
| t_EOTDmpVspd_Kph_u9p7[2]   | 1280                                    |                             |       |
| t_EOTDmpVspd_Kph_u9p7[3]   | 2560                                    |                             |       |
| t_EOTEnterGainVspd_Kph_u9p7[0]   | 0                                       |                             |       |
| t_EOTEnterGainVspd_Kph_u9p7[1]   | 640                                     |                             |       |
| t_EOTEnterGainVspd_Kph_u9p7[2]   | 1280                                    |                             |       |
| t_EOTEnterGainVspd_Kph_u9p7[3]   | 5504                                    |                             |       |
| t_SpdIptTbIXTbl_HwDeg_u12p4[0]   | 400                                     |                             |       |
| t_SpdlptTblXTbl_HwDeg_u12p4[1]   | 1136                                    |                             |       |
| t_SpdlptTblYTbl_MtrRadpS_u12p4[0]  | 624                                     |                             |       |
| t_SpdlptTblYTbl_MtrRadpS_u12p4[1]  | 960                                     |                             |       |
| t_TrqTableX_HwNm_u8p8[0]   | 2304                                    |                             |       |
| t_TrqTableX_HwNm_u8p8[1]   | 2560                                    |                             |       |
| t_TrqTblY_Uls_u2p14[0]   | 49                                      |                             |       |
| t_TrqTblY_Uls_u2p14[1]   | 491                                     |                             |       |
| target_EOTActuatorMng_Per1_CcwEOT_HwDeg_f32.value  | -111                                    |                             |       |
| target_EOTActuatorMng_Per1_CcwFound_Cnt_lgc.value  | 1                                       |                             |       |
| target_EOTActuatorMng_Per1_CwEOT_HwDeg_f32.value   | 888                                     |                             |       |
| target_EOTActuatorMng_Per1_CwFound_Cnt_lgc.value   | 1                                       |                             |       |
| target_EOTActuatorMng_Per1_EOTDisable_Cnt_lgc.value  | 0                                       |                             |       |
| target_EOTActuatorMng_Per1_HandWheelAuth_Uls_f32.value   | 1                                       |                             |       |
| target_EOTActuatorMng_Per1_HandWheelPos_HwDeg_f32.value  | 0                                       |                             |       |
| target_EOTActuatorMng_Per1_HwTorque_HwNm_f32.value   | 3.5                                     |                             |       |
| target_EOTActuatorMng_Per1_MotorVel_MtrRadpS_f32.value   | 0.00300000003                           |                             |       |
| target_EOTActuatorMng_Per1_OutputRampMultLtd_Uls_f32.value   | 0.129999995                             |                             |       |
| target_EOTActuatorMng_Per1_VehicleSpeed_Kph_f32.value  | 24                                      |                             |       |
| $target\_Rte\_Inst\_Ap\_EOTActuatorMng.EOTActuatorMng\_Per1\_AssistEOTDamping\_Per1\_AssisTEOTDamping\_Per1\_AssisTEOTDamping\_Per1\_AssisTEOTDamping\_Per1\_AssisTEOTD$ | target_EOTActuatorMng_Per1_AssistEOTD   | amping_MtrNm_f32            |       |
| target_Rte_Inst_Ap_EOTActuatorMng.EOTActuatorMng_Per1_AssistEOTGain_Uls  | target_EOTActuatorMng_Per1_AssistEOTG   | Gain_Uls_f32                |       |
| $target\_Rte\_Inst\_Ap\_EOTActuatorMng\_EOTActuatorMng\_Per1\_AssistEOTLimit\_Mtr$   | target_EOTActuatorMng_Per1_AssistEOTL   | imit_MtrNm_f32              |       |
| target_Rte_Inst_Ap_EOTActuatorMng.EOTActuatorMng_Per1_CcwEOT_HwDeg_f3  | target_EOTActuatorMng_Per1_CcwEOT_H     | wDeg_f32                    |       |
| target_Rte_Inst_Ap_EOTActuatorMng.EOTActuatorMng_Per1_CcwFound_Cnt_lgc   | target_EOTActuatorMng_Per1_CcwFound_    | Cnt_lgc                     |       |
| target_Rte_Inst_Ap_EOTActuatorMng.EOTActuatorMng_Per1_CwEOT_HwDeg_f3:  | target_EOTActuatorMng_Per1_CwEOT_Hw     | /Deg_f32                    |       |
| target_Rte_Inst_Ap_EOTActuatorMng.EOTActuatorMng_Per1_CwFound_Cnt_lgc  | target_EOTActuatorMng_Per1_CwFound_0    | Cnt_lgc                     |       |
| target Rte Inst Ap EOTActuatorMng.EOTActuatorMng Per1 EOTDisable Cnt Ig  | target_EOTActuatorMng_Per1_EOTDisable   | _Cnt_lgc                    |       |
| target Rte Inst Ap EOTActuatorMng.EOTActuatorMng Per1 HandWheelAuth Ule  | s target_EOTActuatorMng_Per1_HandWheel  | Auth_Uls_f32                |       |
| target_Rte_Inst_Ap_EOTActuatorMng.EOTActuatorMng_Per1_HandWheelPos_Hw  | target_EOTActuatorMng_Per1_HandWheel    | Pos_HwDeg_f32               |       |
| target_Rte_Inst_Ap_EOTActuatorMng.EOTActuatorMng_Per1_HwTorque_HwNm_t  | f. target_EOTActuatorMng_Per1_HwTorque_ | HwNm_f32                    |       |
| target_Rte_Inst_Ap_EOTActuatorMng.EOTActuatorMng_Per1_MotorVel_MtrRadpS  | target_EOTActuatorMng_Per1_MotorVel_M   | ltrRadpS_f32                |       |
| target_Rte_Inst_Ap_EOTActuatorMng.EOTActuatorMng_Per1_OutputRampMultLtd  | target_EOTActuatorMng_Per1_OutputRam    | pMultLtd_Uls_f32            |       |
| target_Rte_Inst_Ap_EOTActuatorMng.EOTActuatorMng_Per1_VehicleSpeed_Kph_  | target_EOTActuatorMng_Per1_VehicleSpee  | ed_Kph_f32                  |       |
| Name   | Actual Value                            | Expected Value              | Resul |
| EOTActuatorMng Damping MtrNm M f32   | -4.73878002                             | -4.73878002 ± 0.0000390625  |       |
| EOTActuatorMng EOTImpactPos HwDeg M f32  | 780                                     | 780 ± 0.0000390625          |       |
| EOTActuatorMng FiltEOTGainSV HwNm M u1p31  | 1028655130                              | 1028655130 ± 1              |       |
| EOTActuatorMng_FiltHWTrqSV_HwNm_M_s7p24  | -25037824                               | -25037824 ± 1               |       |
| EOTActuatorMng_OutputRampMultLtd_M_f32   | 0.129999995                             | 0.129999995 ± 0.00390625    |       |
| EOTActuatorMng PrevEOTGain Uls M f32   | 0.479003906                             | 0.479003906 ± 0.0625        |       |
| EOTActuatorMng_SESState_Uls_M_enum   | SES_NORMAL                              | SES NORMAL                  |       |
|  | -4.73878002                             | -4.73878002 ± 0.00048828125 |       |
| target EOTActuatorMng Per1 AssistEOTDamping MtrNm f32 value  |   |                             |       |
| target_EOTActuatorMng_Per1_AssistEOTDamping_MtrNm_f32.value target_EOTActuatorMng_Per1_AssistEOTGain_Uls_f32.value   | 0.479003906                             | 0.479003906 ± 0.0000390625  |       |

EOTActuatorMng\_Per1

2015-06-29, 18:31:27+0530



2015-06-29, 18:31:27+0530



EOTActuatorMng\_Per1

| Name   | Input Value  |                            |        |
|--|--|----------------------------|--------|
| t2_EOTEnterGainY_Uls_u1p15[3][1]   | 10813  |                            |        |
| t2_EOTEnterGainY_Uls_u1p15[3][2]   | 21627  |                            |        |
| t2_EOTEnterGainY_Uls_u1p15[3][3]   | 32768  |                            |        |
| t2_EOTExPosDepDmpTblY_MtrNmpRadps_u0p16[0][0]  | 0  |                            |        |
| t2_EOTExPosDepDmpTblY_MtrNmpRadps_u0p16[0][1]  | 256  |                            |        |
| t2_EOTExPosDepDmpTblY_MtrNmpRadps_u0p16[1][0]  | 154  |                            |        |
| t2_EOTExPosDepDmpTblY_MtrNmpRadps_u0p16[1][1]  | 512  |                            |        |
| t2_EOTExPosDepDmpTblY_MtrNmpRadps_u0p16[2][0]  | 31   |                            |        |
| t2_EOTExPosDepDmpTblY_MtrNmpRadps_u0p16[2][1]  | 94   |                            |        |
| t2_EOTExPosDepDmpTblY_MtrNmpRadps_u0p16[3][0]  | 160  |                            |        |
| t2_EOTExPosDepDmpTblY_MtrNmpRadps_u0p16[3][1]  | 224  |                            |        |
| t2_EOTPosDepDmpTblX_HwDeg_u12p4[0][0]  | 0  |                            |        |
| t2_EOTPosDepDmpTblX_HwDeg_u12p4[0][1]  | 320  |                            |        |
| t2_EOTPosDepDmpTblX_HwDeg_u12p4[1][0]  | 0  |                            |        |
| t2_EOTPosDepDmpTblX_HwDeg_u12p4[1][1]  | 320  |                            |        |
| t2_EOTPosDepDmpTblX_HwDeg_u12p4[2][0]  | 0  |                            |        |
| t2_EOTPosDepDmpTblX_HwDeg_u12p4[2][1]  | 320  |                            |        |
| t2_EOTPosDepDmpTblX_HwDeg_u12p4[3][0]  | 0  |                            |        |
| t2_EOTPosDepDmpTblX_HwDeg_u12p4[3][1]  | 320  |                            |        |
| t2_EOTPosDepDmpTblY_MtrNmpRadpS_u0p16[0][0]  | 0  |                            |        |
| t2_EOTPosDepDmpTblY_MtrNmpRadpS_u0p16[0][1]  | 128  |                            |        |
| t2_EOTPosDepDmpTblY_MtrNmpRadpS_u0p16[1][0]  | 146  |                            |        |
| t2_EOTPosDepDmpTbIY_MtrNmpRadpS_u0p16[1][1]  | 416  |                            |        |
| t2_EOTPosDepDmpTblY_MtrNmpRadpS_u0p16[2][0]  | 31   |                            |        |
| t2_EOTPosDepDmpTblY_MtrNmpRadpS_u0p16[2][1]  | 640  |                            |        |
| t2_EOTPosDepDmpTblY_MtrNmpRadpS_u0p16[3][0]  | 93   |                            |        |
| t2_EOTPosDepDmpTblY_MtrNmpRadpS_u0p16[3][1]  | 448  |                            |        |
| t_EOTDmpVspd_Kph_u9p7[0]   | 0  |                            |        |
| t_EOTDmpVspd_Kph_u9p7[1]   | 640  |                            |        |
| t_EOTDmpVspd_Kph_u9p7[2]   | 1280   |                            |        |
| t_EOTDmpVspd_Kph_u9p7[3]   | 2560   |                            |        |
| t_EOTEnterGainVspd_Kph_u9p7[0]   | 0  |                            |        |
| t_EOTEnterGainVspd_Kph_u9p7[1]   | 640  |                            |        |
| t_EOTEnterGainVspd_Kph_u9p7[2]   | 1280   |                            |        |
| t_EOTEnterGainVspd_Kph_u9p7[3]   | 5760   |                            |        |
| t_SpdIptTbIXTbI_HwDeg_u12p4[0]   | 400  |                            |        |
| t_SpdIptTblXTbl_HwDeg_u12p4[0]   | 1168   |                            |        |
| t_SpdIptTblYTbl_MtrRadpS_u12p4[0]  | 656  |                            |        |
| t SpdlptTblYTbl MtrRadpS u12p4[1]  | 960  |                            |        |
|  | 1792   |                            |        |
| t_TrqTableX_HwNm_u8p8[0]   |  |                            |        |
| t_TrqTableX_HwNm_u8p8[1]   | 2048   |                            |        |
| t_TrqTblY_Uls_u2p14[0]   | 65   |                            |        |
| t_TrqTblY_Uls_u2p14[1]   | 655  |                            |        |
| target_EOTActuatorMng_Per1_CcwEOT_HwDeg_f32.value  | -222   |                            |        |
| target_EOTActuatorMng_Per1_CcwFound_Cnt_lgc.value  | 0  |                            |        |
| target_EOTActuatorMng_Per1_CwEOT_HwDeg_f32.value   | 999  |                            |        |
| target_EOTActuatorMng_Per1_CwFound_Cnt_lgc.value   | 1  |                            |        |
| target_EOTActuatorMng_Per1_EOTDisable_Cnt_lgc.value  | 0  |                            |        |
| target_EOTActuatorMng_Per1_HandWheelAuth_Uls_f32.value   | 0.889999986  |                            |        |
| target_EOTActuatorMng_Per1_HandWheelPos_HwDeg_f32.value  | 882  |                            |        |
| target_EOTActuatorMng_Per1_HwTorque_HwNm_f32.value   | 4.5  |                            |        |
| target_EOTActuatorMng_Per1_MotorVel_MtrRadpS_f32.value   | -1118  |                            |        |
| target_EOTActuatorMng_Per1_OutputRampMultLtd_Uls_f32.value   | 0.358999997  |                            |        |
| target_EOTActuatorMng_Per1_VehicleSpeed_Kph_f32.value  | 26   |                            |        |
| $target\_Rte\_Inst\_Ap\_EOTActuatorMng.EOTActuatorMng\_Per1\_AssistEOTDamping\_Results (Application of the Company of$  |  |                            |        |
| target_Rte_Inst_Ap_EOTActuatorMng.EOTActuatorMng_Per1_AssistEOTGain_Uls_   |  |                            |        |
| $target\_Rte\_Inst\_Ap\_EOTActuatorMng\_EOTActuatorMng\_Per1\_AssistEOTLimit\_MtrI_Ap\_EOTActuatorMng\_Per1\_AssistEOTLimit\_MtrI_Ap\_EOTActuatorMng\_Per1\_AssistEOTLimit\_MtrI_Ap\_EOTActuatorMng\_Per1\_AssistEOTLimit\_MtrI_Ap\_EOTActuatorMng\_Per1\_AssistEOTLimit\_MtrI_Ap\_EOTActuatorMng\_Per1\_AssistEOTLimit\_MtrI_Ap\_EOTActuatorMng\_Per1\_AssistEOTLimit\_MtrI_Ap\_EOTActuatorMng\_Per1\_AssistEOTLimit\_MtrI_Ap\_EOTActuatorMng\_Per1\_AssistEOTLimit\_MtrI_Ap\_EOTActuatorMng\_Per1\_AssistEOTLimit\_MtrI_Ap\_EOTActuatorMng\_Per1\_AssistEOTLimit\_MtrI_Ap\_EOTActuatorMng\_Per1\_AssistEOTLimit\_MtrI_Ap\_EOTActuatorMng\_Per1\_AssistEOTLimit\_MtrI_Ap\_EOTActuatorMng\_Per1\_AssistEOTLimit\_MtrI_Ap\_EOTActuatorMng\_Per1\_AssistEOTLimit\_MtrI_Ap\_EOTActuatorMng\_ApD\_ApUTActuatorMng\_ApD\_ApUTActuatorMng\_ApUTActuatorMng\_ApUTActuatorMng\_ApUTActuatorMng\_ApUTActuatorMng\_ApUTActuatorMng\_ApUTActuatorMng\_ApUTActuatorMng\_ApUTActuatorMng\_ApUTActuatorMng\_ApUTActuatorMng\_ApUTActuatorMng\_ApUTActuatorMng\_ApUTActuatorMng\_ApUTActuatorMng\_ApUTActuatorMng\_ApUTActuatorMng\_ApUTActuat$ |  |                            |        |
| target_Rte_Inst_Ap_EOTActuatorMng.EOTActuatorMng_Per1_CcwEOT_HwDeg_f3  |  |                            |        |
| $target\_Rte\_Inst\_Ap\_EOTActuatorMng.EOTActuatorMng\_Per1\_CcwFound\_Cnt\_Igc$   | cnt_lgc target_EOTActuatorMng_Per1_CcwFound_Cnt_lgc      |                            |        |
| target Rte Inst Ap EOTActuatorMng.EOTActuatorMng Per1 CwEOT HwDeg f32  |  |                            |        |
| $target\_Rte\_Inst\_Ap\_EOTActuatorMng.EOTActuatorMng\_Per1\_CwFound\_Cnt\_lgc$  | cnt_lgc target_EOTActuatorMng_Per1_CwFound_Cnt_lgc       |                            |        |
| $target\_Rte\_Inst\_Ap\_EOTActuatorMng.EOTActuatorMng\_Per1\_EOTDisable\_Cnt\_Igenum and the property of the property$   | target_EOTActuatorMng_Per1_EOTDisable_                   | Cnt_lgc                    |        |
| $target\_Rte\_Inst\_Ap\_EOTActuatorMng.EOTActuatorMng\_Per1\_HandWheelAuth\_Ulstarget\_Rte\_Inst\_Ap\_EOTActuatorMng.EOTActuatorMng\_Per1\_HandWheelAuth\_Ulstarget\_Rte\_Inst\_Ap\_EOTActuatorMng.EOTActuatorMng\_Per1\_HandWheelAuth\_Ulstarget\_Rte\_Inst\_Ap\_EOTActuatorMng.EOTActuatorMng\_Per1\_HandWheelAuth\_Ulstarget\_Rte\_Inst\_Ap\_EOTActuatorMng.EOTActuatorMng\_Per1\_HandWheelAuth\_Ulstarget\_Rte\_Inst\_Ap\_EOTActuatorMng.EOTActuatorMng\_Per1\_HandWheelAuth\_Ulstarget\_Rte\_Inst\_Ap\_EOTActuatorMng.EOTActuat$   | uth_Uls target_EOTActuatorMng_Per1_HandWheelAuth_Uls_f32 |                            |        |
| target_Rte_Inst_Ap_EOTActuatorMng.EOTActuatorMng_Per1_HandWheelPos_Hw  | os_Hwl target_EOTActuatorMng_Per1_HandWheelPos_HwDeg_f32 |                            |        |
| $target\_Rte\_Inst\_Ap\_EOTActuatorMng.EOTActuatorMng\_Per1\_HwTorque\_HwNm\_f$  | target_EOTActuatorMng_Per1_HwTorque_H                    | wNm_f32                    |        |
| target_Rte_Inst_Ap_EOTActuatorMng.EOTActuatorMng_Per1_MotorVel_MtrRadpS  | target_EOTActuatorMng_Per1_MotorVel_Mtr                  | RadpS_f32                  |        |
| $target\_Rte\_Inst\_Ap\_EOTActuatorMng.EOTActuatorMng\_Per1\_OutputRampMultLtd\_Inst\_Ap\_EOTActuatorMng\_Per1\_OutputRampMultLtd\_Inst_Ap\_EOTActuatorMng\_Per1\_OutputRampMultAp\_EOTActuatorMng\_Per1\_OutputRampMultAp\_EOTActuatorMng\_Per1\_OutputRampMultAp\_EOTActuatorMng\_Per1\_OutputRampMultAp\_EOTActuatorMng\_Per1\_OutputRampMultAp\_EOTActuatorMng\_Per1\_OutputRampMultAp\_EOTActuatorMng\_Per1\_OutputRampMultAp\_EOTActuatorMng\_Per1\_OutputRampMultAp\_EOTActuatorMng\_Per1\_OutputRampMultAp\_EOTActuatorMng\_Per1\_OutputRampMultApUTAPADAPADAPADAPADAPADAPADAPADAPADAPADAPA$   | target_EOTActuatorMng_Per1_OutputRampl                   | MultLtd_Uls_f32            |        |
| target_Rte_Inst_Ap_EOTActuatorMng.EOTActuatorMng_Per1_VehicleSpeed_Kph_  | target_EOTActuatorMng_Per1_VehicleSpeed                  | f_Kph_f32                  |        |
| Name   | Actual Value   | Expected Value             | Result |
| EOTActuatorMng_Damping_MtrNm_M_f32   | -2.70668006  | -2.70668006 ± 0.0000390625 | _      |
| EOTActuatorMng EOTImpactPos HwDeg M f32  | 789  | 789 ± 0.0000390625         | •      |
| EOTActuatorMng_FiltEOTGainSV_HwNm_M_u1p31  | 519153239  | 519153239 ± 1              | •      |

519153239

-149958144

EOTActuatorMng\_FiltEOTGainSV\_HwNm\_M\_u1p31

519153239 ± 1

-149958144 ± 1

2015-06-29, 18:31:27+0530



| Name  | Actual Value | Expected Value              | Result   |
|---|--------------|-----------------------------|----------|
| EOTActuatorMng_OutputRampMultLtd_M_f32                      | 0.358999997  | 0.358999997 ± 0.00390625    | ~        |
| EOTActuatorMng_PrevEOTGain_Uls_M_f32                        | 0.241729736  | 0.241729736 ± 0.0625        | •        |
| EOTActuatorMng_SESState_Uls_M_enum                          | SES_DISABLED | SES_DISABLED                | ~        |
| target_EOTActuatorMng_Per1_AssistEOTDamping_MtrNm_f32.value | -2.70668006  | -2.70668006 ± 0.00048828125 | <b>✓</b> |
| target_EOTActuatorMng_Per1_AssistEOTGain_Uls_f32.value      | 0.241729736  | 0.241729736 ± 0.0000390625  | <b>✓</b> |
| target_EOTActuatorMng_Per1_AssistEOTLimit_MtrNm_f32.value   | 0            | 0 ± 0.00048828125           | <b>✓</b> |

| T  |       |  |       |          |
|--|-------|--|-------|----------|
| Actual Function                                    | Count | Expected Function                                  | Count | Result   |
| Rte_Call_EOTActuatorMng_Per1_CP0_CheckpointReached | 1     | Rte_Call_EOTActuatorMng_Per1_CP0_CheckpointReached | 1     | ~        |
| EOTDetermination                                   | 1     | EOTDetermination                                   | 1     | ~        |
| EOTOrigImpact                                      | 1     | EOTOrigImpact                                      | 1     | ~        |
| IntplVarXY_u16_u16Xu16Y_Cnt                        | 1     | IntplVarXY_u16_u16Xu16Y_Cnt                        | 1     | ~        |
| SES_DetLmtPos                                      | 1     | SES_DetLmtPos                                      | 1     | ~        |
| SES_CalcExitGain                                   | 1     | SES_CalcExitGain                                   | 1     | ~        |
| IntplVarXY_u16_u16Xu16Y_Cnt                        | 1     | IntplVarXY_u16_u16Xu16Y_Cnt                        | 1     | ~        |
| SES_CalcEnterGain                                  | 1     | SES_CalcEnterGain                                  | 1     | ~        |
| BilinearXMYM_u16_u16XMu16YM_Cnt                    | 1     | BilinearXMYM_u16_u16XMu16YM_Cnt                    | 1     | ~        |
| SES_CalcEOTGain                                    | 1     | SES_CalcEOTGain                                    | 1     | ~        |
| SES_FiltEOTGain                                    | 1     | SES_FiltEOTGain                                    | 1     | ~        |
| SES_CalcEOTDamp                                    | 1     | SES_CalcEOTDamp                                    | 1     | <b>✓</b> |
| BilinearXMYM_u16_u16XMu16YM_Cnt                    | 1     | BilinearXMYM_u16_u16XMu16YM_Cnt                    | 1     | ~        |
| SES_StateCtrl                                      | 1     | SES_StateCtrl                                      | 1     | ~        |
| Rte Call EOTActuatorMng Per1 CP1 CheckpointReached | 1     | Rte Call EOTActuatorMng Per1 CP1 CheckpointReached | 1     | •        |

| Name                                      | Input Value                       |  |
|---|-----------------------------------|--|
| EOTActuatorMng_Damping_MtrNm_M_f32        | -0.800000012                      |  |
| EOTActuatorMng_EOTImpactPos_HwDeg_M_f32   | 423                               |  |
| EOTActuatorMng_FiltEOTGainSV_HwNm_M_u1p31 | 644245094                         |  |
| EOTActuatorMng_FiltHWTrqSV_HwNm_M_s7p24   | 33554432                          |  |
| EOTActuatorMng_PrevEOTGain_Uls_M_f32      | 0.5                               |  |
| EOTActuatorMng_SESState_Uls_M_enum        | SES_DISABLED                      |  |
| Rte_Inst_Ap_EOTActuatorMng                | target_Rte_Inst_Ap_EOTActuatorMng |  |
| _EOTActiveRegionBypassMaxThresh_Uls_f32   | 0                                 |  |
| c_EOTDefltPosition_HwDeg_u12p4            | 11120                             |  |
| c_EOTDeltaTrqThrsh_HwNm_u9p7              | 256                               |  |
| c_EOTDynConf_Uls_u8p8                     | 205                               |  |
| _EOTEnterLPFKn_Cnt_u16                    | 7777                              |  |
| _EOTExitLPFKn_Cnt_u16                     | 3658                              |  |
| C_EOTImpSpdEn_Kph_u9p7                    | 4992                              |  |
| EOTOriginalImpactandSoftEnd Cnt lgc       | 0                                 |  |

2015-06-29, 18:31:27+0530



| Name   | Input Value   |
|--|---|
| t2_EOTEnterGainY_Uls_u1p15[1][1]   | 10813   |
| t2_EOTEnterGainY_Uls_u1p15[1][2]   | 21627   |
| t2_EOTEnterGainY_Uls_u1p15[1][3] t2_EOTEnterGainY_Uls_u1p15[2][0]  | 32768<br>0  |
| t2_EOTEnterGainY_Uls_u1p15[2][0]   | 10813   |
| t2_EOTEnterGainY_Uls_u1p15[2][2]   | 21627   |
| t2_EOTEnterGainY_Uls_u1p15[2][3]   | 32768   |
| t2_EOTEnterGainY_Uls_u1p15[3][0]   | 0   |
| t2_EOTEnterGainY_Uls_u1p15[3][1]   | 10813   |
| t2_EOTEnterGainY_Uls_u1p15[3][2]   | 21627   |
| t2_EOTEnterGainY_Uls_u1p15[3][3]   | 32768   |
| t2_EOTExPosDepDmpTblY_MtrNmpRadps_u0p16[0][0]  | 0   |
| t2_EOTExPosDepDmpTblY_MtrNmpRadps_u0p16[0][1]  | 256   |
| t2_EOTExPosDepDmpTblY_MtrNmpRadps_u0p16[1][0]  | 154<br>512  |
| t2_EOTExPosDepDmpTbIY_MtrNmpRadps_u0p16[1][1] t2_EOTExPosDepDmpTbIY_MtrNmpRadps_u0p16[2][0]  | 31  |
| t2_EOTEXPosDepDmpTblY_MtrNmpRadps_u0p16[2][1]  | 94  |
| t2_EOTExPosDepDmpTblY_MtrNmpRadps_u0p16[3][0]  | 160   |
| t2_EOTExPosDepDmpTblY_MtrNmpRadps_u0p16[3][1]  | 224   |
| t2_EOTPosDepDmpTblX_HwDeg_u12p4[0][0]  | 0   |
| t2_EOTPosDepDmpTblX_HwDeg_u12p4[0][1]  | 320   |
| t2_EOTPosDepDmpTblX_HwDeg_u12p4[1][0]  | 0   |
| t2_EOTPosDepDmpTblX_HwDeg_u12p4[1][1]  | 320   |
| t2_EOTPosDepDmpTblX_HwDeg_u12p4[2][0]  | 0   |
| t2_EOTPosDepDmpTblX_HwDeg_u12p4[2][1]  | 320<br>0  |
| t2_EOTPosDepDmpTblX_HwDeg_u12p4[3][0] t2_EOTPosDepDmpTblX_HwDeg_u12p4[3][1]  | 320   |
| t2_EOTPosDepDmpTblY_MtrNmpRadpS_u0p16[0][0]  | 0   |
| t2_EOTPosDepDmpTblY_MtrNmpRadpS_u0p16[0][1]  | 128   |
| t2_EOTPosDepDmpTblY_MtrNmpRadpS_u0p16[1][0]  | 146   |
| t2_EOTPosDepDmpTblY_MtrNmpRadpS_u0p16[1][1]  | 416   |
| t2_EOTPosDepDmpTblY_MtrNmpRadpS_u0p16[2][0]  | 31  |
| t2_EOTPosDepDmpTblY_MtrNmpRadpS_u0p16[2][1]  | 640   |
| t2_EOTPosDepDmpTblY_MtrNmpRadpS_u0p16[3][0]  | 93  |
| t2_EOTPosDepDmpTblY_MtrNmpRadpS_u0p16[3][1]  | 448   |
| t_EOTDmpVspd_Kph_u9p7[0]   | 0   |
| t_EOTDmpVspd_Kph_u9p7[1] t_EOTDmpVspd_Kph_u9p7[2]  | 640<br>1280   |
| t_EOTDmpVspd_Kph_u9p7[3]   | 2560  |
| t_EOTEnterGainVspd_Kph_u9p7[0]   | 0   |
| t_EOTEnterGainVspd_Kph_u9p7[1]   | 640   |
| t_EOTEnterGainVspd_Kph_u9p7[2]   | 1280  |
| t_EOTEnterGainVspd_Kph_u9p7[3]   | 7808  |
| t_SpdlptTblXTbl_HwDeg_u12p4[0]   | 400   |
| t_SpdlptTblXTbl_HwDeg_u12p4[1]   | 1312  |
| t_SpdlptTblYTbl_MtrRadpS_u12p4[0]  | 848   |
| t_SpdlptTblYTbl_MtrRadpS_u12p4[1] t_TrqTableX_HwNm_u8p8[0]   | 960<br>768  |
| t_TrqTableX_HwNm_u8p8[1]   | 1024  |
| t_TrqTblY_Uls_u2p14[0]   | 81  |
| t_TrqTbIY_Uls_u2p14[1]   | 819   |
| target_EOTActuatorMng_Per1_CcwEOT_HwDeg_f32.value  | -456  |
| target_EOTActuatorMng_Per1_CcwFound_Cnt_lgc.value  | 1   |
| target_EOTActuatorMng_Per1_CwEOT_HwDeg_f32.value   | 565   |
| target_EOTActuatorMng_Per1_CwFound_Cnt_lgc.value   | 1   |
| target_EOTActuatorMng_Per1_EOTDisable_Cnt_lgc.value  | 1   |
| target_EOTActuatorMng_Per1_HandWheelAuth_Uls_f32.value   | 0.845000029   |
| target_EOTActuatorMng_Per1_HandWheelPos_HwDeg_f32.value target EOTActuatorMng Per1 HwTorque HwNm f32.value   | 777<br>0.550000012                                    |
| target_EOTActuatorMng_Peri_HwTorque_HwNm_r32.value target_EOTActuatorMng_Peri_MotorVel_MtrRadpS_f32.value  | -550  |
| target_EOTActuatorMng_Per1_OutputRampMultLtd_Uls_f32.value   | 0.254000008   |
| target_EOTActuatorMng_Per1_VehicleSpeed_Kph_f32.value  | 19  |
| target_Rte_Inst_Ap_EOTActuatorMng.EOTActuatorMng_Per1_AssistEOTDamping_  | target_EOTActuatorMng_Per1_AssistEOTDamping_MtrNm_f32 |
| $target\_Rte\_Inst\_Ap\_EOTActuatorMng.EOTActuatorMng\_Per1\_AssistEOTGain\_Uls\_Inst\_Ap\_EOTActuatorMng\_Per1\_AssistEOTGain\_Uls\_Inst\_Ap\_EOTActuatorMng\_Per1\_AssistEOTGain\_Uls\_Inst\_Ap\_EOTActuatorMng\_Per1\_AssistEOTGain\_Uls\_Inst\_Ap\_EOTActuatorMng\_Per1\_AssistEOTGain\_Uls\_Inst\_Ap\_EOTActuatorMng\_Per1\_AssistEOTGain\_Uls\_Inst\_Ap\_EOTActuatorMng\_Per1\_AssistEOTGain\_Uls\_Inst\_Ap\_EOTActuatorMng\_Per1\_AssistEOTGain\_Uls\_Inst\_Ap\_EOTActuatorMng\_Per1\_AssistEOTGain\_Uls\_Inst\_Ap\_EOTActuatorMng\_Per1\_AssistEOTGain\_Uls\_Inst\_Ap\_EOTActuatorMng\_Per1\_AssistEOTGain\_Uls\_Inst\_Ap\_EOTActuatorMng\_Per1\_AssistEOTGain\_Uls\_Inst\_Ap\_EOTActuatorMng\_Per1\_AssistEOTGain\_Uls\_Inst_Ap\_EOTActuatorMng\_Per1\_AssistEOTGain\_Uls\_Inst_Ap\_EOTActuatorMng\_Per1\_AssistEOTGain\_Uls\_Inst_Ap\_EOTActuatorMng\_ApATUATORMng\_A$ | target_EOTActuatorMng_Per1_AssistEOTGain_Uls_f32      |
| $target\_Rte\_Inst\_Ap\_EOTActuatorMng.EOTActuatorMng\_Per1\_AssistEOTLimit\_MtrNer(App_EOTActuatorMng\_Per1\_AssistEOTLim$  |   |
| target_Rte_Inst_Ap_EOTActuatorMng.EOTActuatorMng_Per1_CcwEOT_HwDeg_f3  |   |
| target_Rte_Inst_Ap_EOTActuatorMng.EOTActuatorMng_Per1_CcwFound_Cnt_Igc   | target_EOTActuatorMng_Per1_CcwFound_Cnt_lgc           |
| target_Rte_Inst_Ap_EOTActuatorMng.EOTActuatorMng_Per1_CwEOT_HwDeg_f32  |   |
| target_Rte_Inst_Ap_EOTActuatorMng.EOTActuatorMng_Per1_CwFound_Cnt_Igc  | target_EOTActuatorMng_Per1_CWFound_Cnt_lgc            |
| target_Rte_Inst_Ap_EOTActuatorMng.EOTActuatorMng_Per1_EOTDisable_Cnt_Igotarget_Rte_Inst_Ap_EOTActuatorMng.EOTActuatorMng_Per1_HandWheelAuth_Uls  |   |
| target_Rte_Inst_Ap_EOTActuatorMng.EOTActuatorMng_Per1_HandWheelPos_Hwl   |   |
| target Rte Inst Ap EOTActuatorMng.EOTActuatorMng Per1 HwTorque HwNm f  |   |
|  |   |



| Name  | Input Value                             |                             |        |
|---|---|-----------------------------|--------|
| target_Rte_Inst_Ap_EOTActuatorMng.EOTActuatorMng_Per1_MotorVel_MtrRadpS   | target_EOTActuatorMng_Per1_MotorVel_Mti | rRadpS_f32                  |        |
| $target\_Rte\_Inst\_Ap\_EOTActuatorMng.EOTActuatorMng\_Per1\_OutputRampMultLtd\_Inst\_Ap\_EOTActuatorMng\_Per1\_OutputRampMultLtd\_Inst\_Ap\_EOTActuatorMng\_Per1\_OutputRampMultLtd\_Inst\_Ap\_EOTActuatorMng\_Per1\_OutputRampMultLtd\_Inst\_Ap\_EOTActuatorMng\_Per1\_OutputRampMultLtd\_Inst\_Ap\_EOTActuatorMng\_Per1\_OutputRampMultLtd\_Inst\_Ap\_EOTActuatorMng\_Per1\_OutputRampMultLtd\_Inst\_Ap\_EOTActuatorMng\_Per1\_OutputRampMultLtd\_Inst\_Ap\_EOTActuatorMng\_Per1\_OutputRampMultLtd\_InstAp\_EOTActuatorMng\_Per1\_Ou$  | target_EOTActuatorMng_Per1_OutputRample | MultLtd_Uls_f32             |        |
| $target\_Rte\_Inst\_Ap\_EOTActuatorMng.EOTActuatorMng\_Per1\_VehicleSpeed\_Kph\_Inst\_Ap\_EOTActuatorMng\_Per1\_VehicleSpeed\_Kph\_Inst\_Ap\_EOTActuatorMng\_Per1\_VehicleSpeed\_Kph\_Inst\_Ap\_EOTActuatorMng\_Per1\_VehicleSpeed\_Kph\_Inst\_Ap\_EOTActuatorMng\_Per1\_VehicleSpeed\_Kph\_Inst\_Ap\_EOTActuatorMng\_Per1\_VehicleSpeed\_Kph\_Inst\_Ap\_EOTActuatorMng\_Per1\_VehicleSpeed\_Kph\_Inst\_Ap\_EOTActuatorMng\_Per1\_VehicleSpeed\_Kph\_Inst\_Ap\_EOTActuatorMng\_Per1\_VehicleSpeed\_Kph\_Inst\_Ap\_EOTActuatorMng\_Per1\_VehicleSpeed\_Kph\_Inst\_Ap\_EOTActuatorMng\_Per1\_VehicleSpeed\_Kph\_Inst\_Ap\_EOTActuatorMng\_Per1\_VehicleSpeed\_Kph\_InstAp\_EOTActuatorMng\_EOTActuatorMng\_EOTActuatorMng\_EOTActuatorMng\_EOTActuatorMng\_EOTActuatorMng\_EOTActuatorMng\_EOTActuatorMng\_EOTActuatorMng\_EOTActuatorMng\_E$ | target_EOTActuatorMng_Per1_VehicleSpeed | d_Kph_f32                   |        |
| Name  | Actual Value                            | Expected Value              | Result |
| EOTActuatorMng_Damping_MtrNm_M_f32  | -0.676680028                            | -0.676680028 ± 0.0000390625 | ~      |
| EOTActuatorMng_EOTImpactPos_HwDeg_M_f32   | 423                                     | 423 ± 0.0000390625          | ~      |
| EOTActuatorMng_FiltEOTGainSV_HwNm_M_u1p31   | 735790652                               | 735790652 ± 1               | ~      |
| EOTActuatorMng_FiltHWTrqSV_HwNm_M_s7p24   | 30825068                                | 30825068 ± 1                | ~      |
| EOTActuatorMng_OutputRampMultLtd_M_f32  | 0.254000008                             | 0.254000008 ± 0.00390625    | ~      |
| EOTActuatorMng_PrevEOTGain_Uls_M_f32  | 1                                       | 1 ± 0.0625                  | ~      |
| EOTActuatorMng_SESState_Uls_M_enum  | SES_DISABLED                            | SES_DISABLED                | ~      |
| target_EOTActuatorMng_Per1_AssistEOTDamping_MtrNm_f32.value   | 0                                       | 0 ± 0.00048828125           | ~      |
| target_EOTActuatorMng_Per1_AssistEOTGain_Uls_f32.value  | 1                                       | 1 ± 0.0000390625            | ~      |
| target_EOTActuatorMng_Per1_AssistEOTLimit_MtrNm_f32.value   | 8.80000019                              | 8.80000019 ± 0.00048828125  | ~      |

| Τ  |       |  |       | <b>✓</b> |
|--|-------|--|-------|----------|
| Actual Function                                    | Count | Expected Function                                  | Count | Result   |
| Rte_Call_EOTActuatorMng_Per1_CP0_CheckpointReached | 1     | Rte_Call_EOTActuatorMng_Per1_CP0_CheckpointReached | 1     | ~        |
| EOTDetermination                                   | 1     | EOTDetermination                                   | 1     | <b>✓</b> |
| SES_DetLmtPos                                      | 1     | SES_DetLmtPos                                      | 1     | ~        |
| SES_CalcExitGain                                   | 1     | SES_CalcExitGain                                   | 1     | ~        |
| IntplVarXY_u16_u16Xu16Y_Cnt                        | 1     | IntplVarXY_u16_u16Xu16Y_Cnt                        | 1     | ~        |
| SES_CalcEnterGain                                  | 1     | SES_CalcEnterGain                                  | 1     | <b>~</b> |
| SES_CalcEOTGain                                    | 1     | SES_CalcEOTGain                                    | 1     | ~        |
| SES_FiltEOTGain                                    | 1     | SES_FiltEOTGain                                    | 1     | ~        |
| SES_CalcEOTDamp                                    | 1     | SES_CalcEOTDamp                                    | 1     | ~        |
| SES_StateCtrl                                      | 1     | SES_StateCtrl                                      | 1     | ~        |
| Rte_Call_EOTActuatorMng_Per1_CP1_CheckpointReached | 1     | Rte_Call_EOTActuatorMng_Per1_CP1_CheckpointReached | 1     | ~        |

| Test Step 3.6 (Repeat Count = 1)          | ✓                                 |
|---|-----------------------------------|
| Name                                      | Input Value                       |
| EOTActuatorMng_Damping_MtrNm_M_f32        | 1.20000005                        |
| EOTActuatorMng EOTImpactPos HwDeg M f32   | 1440.10999                        |
| EOTActuatorMng_FiltEOTGainSV_HwNm_M_u1p31 | 2147483648                        |
| EOTActuatorMng_FiltHWTrqSV_HwNm_M_s7p24   | 167772160                         |
| EOTActuatorMng_PrevEOTGain_Uls_M_f32      | 1                                 |
| EOTActuatorMng_SESState_Uls_M_enum        | SES_EXITING                       |
| Rte_Inst_Ap_EOTActuatorMng                | target_Rte_Inst_Ap_EOTActuatorMng |
| k_EOTActiveRegionBypassMaxThresh_Uls_f32  | 0                                 |
| k_EOTDefltPosition_HwDeg_u12p4            | 13104                             |
| k_EOTDeltaTrqThrsh_HwNm_u9p7              | 1280                              |
| k_EOTDynConf_Uls_u8p8                     | 65535                             |
| k_EOTEnterLPFKn_Cnt_u16                   | 30573                             |
| k_EOTExitLPFKn_Cnt_u16                    | 30573                             |
| k_EOTImpSpdEn_Kph_u9p7                    | 32640                             |
| k_EOTOriginalImpactandSoftEnd_Cnt_lgc     | 1                                 |
| k_EOTPosDepDempFinalSlew_MtrNmpS_T_f32    | 76.6600037                        |
| k_EOTStateHwTrqLPFKn_Cnt_u16              | 30573                             |
| k_MaxRackTrvl_HwDeg_u12p4                 | 23040                             |
| k_MinRackTrvl_HwDeg_u12p4                 | 23040                             |
| k_PosRampStep_HwDeg_u12p4                 | 13104                             |
| k_SoftStopEOTEnable_Cnt_lgc               | 1                                 |
| k_SpdlptScale_MtrNmpRadpS_u4p12           | 1024                              |
| t2_EOTEnterGainX_HwDeg_u12p4[0][0]        | 14400                             |
| t2_EOTEnterGainX_HwDeg_u12p4[0][1]        | 14400                             |
| t2_EOTEnterGainX_HwDeg_u12p4[0][2]        | 14400                             |
| t2_EOTEnterGainX_HwDeg_u12p4[0][3]        | 14400                             |
| t2_EOTEnterGainX_HwDeg_u12p4[1][0]        | 14400                             |
| t2_EOTEnterGainX_HwDeg_u12p4[1][1]        | 14400                             |
| t2_EOTEnterGainX_HwDeg_u12p4[1][2]        | 14400                             |
| t2_EOTEnterGainX_HwDeg_u12p4[1][3]        | 14400                             |
| t2_EOTEnterGainX_HwDeg_u12p4[2][0]        | 14400                             |
| t2_EOTEnterGainX_HwDeg_u12p4[2][1]        | 14400                             |
| t2_EOTEnterGainX_HwDeg_u12p4[2][2]        | 14400                             |
| t2_EOTEnterGainX_HwDeg_u12p4[2][3]        | 14400                             |
| t2_EOTEnterGainX_HwDeg_u12p4[3][0]        | 14400                             |
| t2_EOTEnterGainX_HwDeg_u12p4[3][1]        | 14400                             |
| t2_EOTEnterGainX_HwDeg_u12p4[3][2]        | 14400                             |
| t2_EOTEnterGainX_HwDeg_u12p4[3][3]        | 14400                             |
| t2_EOTEnterGainY_Uls_u1p15[0][0]          | 32768                             |

2015-06-29, 18:31:27+0530



| Name   | Input Value                                 |
|--|---|
| t2_EOTEnterGainY_Uls_u1p15[0][1]   | 32768                                       |
| t2_EOTEnterGainY_Uls_u1p15[0][2]   | 32768                                       |
| t2_EOTEnterGainY_Uls_u1p15[0][3]   | 32768                                       |
| t2_EOTEnterGainY_Uls_u1p15[1][0]   | 32768                                       |
| t2 EOTEnterGainY Uls u1p15[1][1]   | 32768                                       |
| t2_EOTEnterGainY_Uls_u1p15[1][2]   | 32768                                       |
| t2_EOTEnterGainY_Uls_u1p15[1][3]   | 32768                                       |
| t2_EOTEnterGainY_Uls_u1p15[2][0]   | 32768                                       |
| t2_EOTEnterGainY_Uls_u1p15[2][1]   | 32768                                       |
| t2_EOTEnterGainY_Uls_u1p15[2][2]   | 32768                                       |
| t2 EOTEnterGainY Uls u1p15[2][3]   | 32768                                       |
| t2_EOTEnterGainY_Uls_u1p15[3][0]   | 32768                                       |
| t2_EOTEnterGainY_Uls_u1p15[3][1]   | 32768                                       |
| t2_EOTEnterGainY_Uls_u1p15[3][2]   | 32768                                       |
| t2_EOTEnterGainY_Uls_u1p15[3][3]   | 32768                                       |
| t2_EOTExPosDepDmpTblY_MtrNmpRadps_u0p16[0][0]  | 983   |
| t2_EOTExPosDepDmpTblY_MtrNmpRadps_u0p16[0][1]  | 983   |
| t2_EOTExPosDepDmpTblY_MtrNmpRadps_u0p16[1][0]  | 983   |
| t2_EOTExPosDepDmpTblY_MtrNmpRadps_u0p16[1][1]  | 983   |
| t2 EOTExPosDepDmpTblY MtrNmpRadps u0p16[2][0]  | 983   |
| t2 EOTEXPOSDepDmpTblY MtrNmpRadps_uop10[2][0]  | 983   |
| t2_EOTEXPosDepDmpTblY_MtrNmpRadps_u0p16[3][0]  | 983   |
| t2_EOTEXPOSDepDmpTblY_MtrNmpRadps_u0p16[3][0]  | 983   |
|  | 5760  |
| t2_EOTPosDepDmpTblX_HwDeg_u12p4[0][0]  | 5760  |
| t2_EOTPosDepDmpTblX_HwDeg_u12p4[0][1]  |   |
| t2_EOTPosDepDmpTbIX_HwDeg_u12p4[1][0]  | 5760  |
| t2_EOTPosDepDmpTblX_HwDeg_u12p4[1][1]  | 5760<br>5760                                |
| t2_EOTPosDepDmpTbIX_HwDeg_u12p4[2][0]  |   |
| t2_EOTPosDepDmpTblX_HwDeg_u12p4[2][1]  | 5760  |
| t2_EOTPosDepDmpTblX_HwDeg_u12p4[3][0]  | 5760  |
| t2_EOTPosDepDmpTblX_HwDeg_u12p4[3][1]  | 5760  |
| t2_EOTPosDepDmpTblY_MtrNmpRadpS_u0p16[0][0]  | 983   |
| t2_EOTPosDepDmpTblY_MtrNmpRadpS_u0p16[0][1]  | 983   |
| t2_EOTPosDepDmpTblY_MtrNmpRadpS_u0p16[1][0]  | 983   |
| t2_EOTPosDepDmpTblY_MtrNmpRadpS_u0p16[1][1]  | 983   |
| t2_EOTPosDepDmpTblY_MtrNmpRadpS_u0p16[2][0]  | 983   |
| t2_EOTPosDepDmpTblY_MtrNmpRadpS_u0p16[2][1]  | 983   |
| t2_EOTPosDepDmpTblY_MtrNmpRadpS_u0p16[3][0]  | 983   |
| t2_EOTPosDepDmpTblY_MtrNmpRadpS_u0p16[3][1]  | 983   |
| t_EOTDmpVspd_Kph_u9p7[0]   | 32640                                       |
| t_EOTDmpVspd_Kph_u9p7[1]   | 32640                                       |
| t_EOTDmpVspd_Kph_u9p7[2]   | 32640                                       |
| t_EOTDmpVspd_Kph_u9p7[3]   | 32640                                       |
| t_EOTEnterGainVspd_Kph_u9p7[0]   | 32640                                       |
| t_EOTEnterGainVspd_Kph_u9p7[1]   | 32640                                       |
| t_EOTEnterGainVspd_Kph_u9p7[2]   | 32640                                       |
| t_EOTEnterGainVspd_Kph_u9p7[3]   | 32640                                       |
| t_SpdlptTblXTbl_HwDeg_u12p4[0]   | 2864  |
| t_SpdIptTbIXTbI_HwDeg_u12p4[1]   | 2880  |
| t_SpdIptTbIYTbI_MtrRadpS_u12p4[0]  | 13088                                       |
| t_SpdIptTbIYTbI_MtrRadpS_u12p4[1]  | 13104                                       |
| t_TrqTableX_HwNm_u8p8[0]   | 2560  |
| t_TrqTableX_HwNm_u8p8[1]   | 2560  |
| t_TrqTblY_Uls_u2p14[0]   | 16  |
| t_TrqTblY_Uls_u2p14[1]   | 98  |
| target_EOTActuatorMng_Per1_CcwEOT_HwDeg_f32.value  | 0   |
| target_EOTActuatorMng_Per1_CcwFound_Cnt_lgc.value  | 1   |
| target_EOTActuatorMng_Per1_CwEOT_HwDeg_f32.value   | 1440.10999                                  |
| target_EOTActuatorMng_Per1_CwFound_Cnt_lgc.value   | 1   |
| target_EOTActuatorMng_Per1_EOTDisable_Cnt_lgc.value  | 1   |
| target_EOTActuatorMng_Per1_HandWheelAuth_Uls_f32.value   | 1   |
| target_EOTActuatorMng_Per1_HandWheelPos_HwDeg_f32.value  | 1440.10999                                  |
| target_EOTActuatorMng_Per1_HwTorque_HwNm_f32.value   | 10  |
| target_EOTActuatorMng_Per1_MotorVel_MtrRadpS_f32.value   | 1118  |
| target EOTActuatorMng Per1 OutputRampMultLtd Uls f32.value   | 0.063000001                                 |
| target EOTActuatorMng Per1 VehicleSpeed Kph f32.value  | 511.992188                                  |
| target Rte Inst Ap EOTActuatorMng.EOTActuatorMng Per1 AssistEOTDamping   |   |
| target Rte Inst Ap EOTActuatorMng.EOTActuatorMng Per1 AssistEOTGain Uls  |   |
| target Rte Inst Ap EOTActuatorMng.EOTActuatorMng Peri AssistEOTLimit Mt  |   |
| target_Rte_Inst_Ap_EOTActuatorMng.EOTActuatorMng_Per1_CcwEOT_HwDeg_t   |   |
|  |   |
|  |   |
| $target\_Rte\_Inst\_Ap\_EOTActuatorMng.EOTActuatorMng\_Per1\_CcwFound\_Cnt\_Igouther and the property of the property$ | target_EOTActuatorMng_Per1_CcwFound_Cnt_lgc |
|  | target_EOTActuatorMng_Per1_CcwFound_Cnt_lgc |

2015-06-29, 18:31:27+0530



| Name   | Input Value                             |                            |          |
|--|---|----------------------------|----------|
| target_Rte_Inst_Ap_EOTActuatorMng.EOTActuatorMng_Per1_EOTDisable_Cnt_Igo   | target_EOTActuatorMng_Per1_EOTDisable_  | Cnt_lgc                    |          |
| target_Rte_Inst_Ap_EOTActuatorMng.EOTActuatorMng_Per1_HandWheelAuth_Uls  | target_EOTActuatorMng_Per1_HandWheelA   | uth_Uls_f32                |          |
| target_Rte_Inst_Ap_EOTActuatorMng.EOTActuatorMng_Per1_HandWheelPos_Hwl   | target_EOTActuatorMng_Per1_HandWheelP   | os_HwDeg_f32               |          |
| target_Rte_Inst_Ap_EOTActuatorMng.EOTActuatorMng_Per1_HwTorque_HwNm_f  | target_EOTActuatorMng_Per1_HwTorque_H   | wNm_f32                    |          |
| target_Rte_Inst_Ap_EOTActuatorMng.EOTActuatorMng_Per1_MotorVel_MtrRadpS  | target_EOTActuatorMng_Per1_MotorVel_Mtr | RadpS_f32                  |          |
| $target\_Rte\_Inst\_Ap\_EOTActuatorMng.EOTActuatorMng\_Per1\_OutputRampMultLtd\_Inst\_Ap\_EOTActuatorMng\_Per1\_OutputRampMultLtd\_Inst\_Ap\_EOTActuatorMng\_Per1\_OutputRampMultLtd\_Inst\_Ap\_EOTActuatorMng\_Per1\_OutputRampMultLtd\_Inst\_Ap\_EOTActuatorMng\_Per1\_OutputRampMultLtd\_Inst\_Ap\_EOTActuatorMng\_Per1\_OutputRampMultLtd\_Inst\_Ap\_EOTActuatorMng\_Per1\_OutputRampMultLtd\_Inst\_Ap\_EOTActuatorMng\_Per1\_OutputRampMultLtd\_Inst\_Ap\_EOTActuatorMng\_Per1\_OutputRampMultLtd\_Inst_Ap\_EOTActuatorMng\_Per1\_OutputRampMultLtd\_InstAp\_EOTActuatorMng\_Per1\_O$ | target_EOTActuatorMng_Per1_OutputRampl  | MultLtd_Uls_f32            |          |
| target Rte Inst Ap EOTActuatorMng.EOTActuatorMng Per1 VehicleSpeed Kph   | target_EOTActuatorMng_Per1_VehicleSpeed | d_Kph_f32                  |          |
| Name   | Actual Value                            | Expected Value             | Result   |
| EOTActuatorMng_Damping_MtrNm_M_f32   | 1.35332012                              | 1.35332 ± 0.0000390625     | ~        |
| EOTActuatorMng_EOTImpactPos_HwDeg_M_f32  | 1440.10999                              | 1440.10999 ± 0.0000390625  | ~        |
| EOTActuatorMng_FiltEOTGainSV_HwNm_M_u1p31  | 2147483648                              | 2147483648 ± 1             | ~        |
| EOTActuatorMng_FiltHWTrqSV_HwNm_M_s7p24  | 167772160                               | 167772160 ± 1              | ~        |
| EOTActuatorMng_OutputRampMultLtd_M_f32   | 0.063000001                             | 0.063000001 ± 0.00390625   | ~        |
| EOTActuatorMng_PrevEOTGain_Uls_M_f32   | 1                                       | 1 ± 0.0625                 | ~        |
| EOTActuatorMng_SESState_Uls_M_enum   | SES_DISABLED                            | SES_DISABLED               | ~        |
| target_EOTActuatorMng_Per1_AssistEOTDamping_MtrNm_f32.value  | 1.35332012                              | 1.35332 ± 0.00048828125    | •        |
| target_EOTActuatorMng_Per1_AssistEOTGain_Uls_f32.value   | 1                                       | 1 ± 0.0000390625           | •        |
| target_EOTActuatorMng_Per1_AssistEOTLimit_MtrNm_f32.value  | 8.80000019                              | 8.80000019 ± 0.00048828125 | <b>✓</b> |

| T  |       |  |       | <b>✓</b> |
|--|-------|--|-------|----------|
| Actual Function                                    | Count | Expected Function                                  | Count | Result   |
| Rte_Call_EOTActuatorMng_Per1_CP0_CheckpointReached | 1     | Rte_Call_EOTActuatorMng_Per1_CP0_CheckpointReached | 1     | ~        |
| EOTDetermination                                   | 1     | EOTDetermination                                   | 1     | ~        |
| SES_DetLmtPos                                      | 1     | SES_DetLmtPos                                      | 1     | ~        |
| SES_CalcExitGain                                   | 1     | SES_CalcExitGain                                   | 1     | ~        |
| IntplVarXY_u16_u16Xu16Y_Cnt                        | 1     | IntplVarXY_u16_u16Xu16Y_Cnt                        | 1     | -        |
| SES_CalcEnterGain                                  | 1     | SES_CalcEnterGain                                  | 1     | ~        |
| BilinearXMYM_u16_u16XMu16YM_Cnt                    | 1     | BilinearXMYM_u16_u16XMu16YM_Cnt                    | 1     | -        |
| SES_CalcEOTGain                                    | 1     | SES_CalcEOTGain                                    | 1     | ~        |
| SES_FiltEOTGain                                    | 1     | SES_FiltEOTGain                                    | 1     | ~        |
| SES_CalcEOTDamp                                    | 1     | SES_CalcEOTDamp                                    | 1     | ~        |
| BilinearXMYM_u16_u16XMu16YM_Cnt                    | 1     | BilinearXMYM_u16_u16XMu16YM_Cnt                    | 1     | -        |
| SES_StateCtrl                                      | 1     | SES_StateCtrl                                      | 1     | ~        |
| Rte_Call_EOTActuatorMng_Per1_CP1_CheckpointReached | 1     | Rte_Call_EOTActuatorMng_Per1_CP1_CheckpointReached | 1     | <b>~</b> |

| Test Step 3.7 (Repeat Count = 1)          |             | ✓ |
|---|-------------|---|
| Name                                      | Input Value |   |
| EOTActuatorMng_Damping_MtrNm_M_f32        | 3.20000005  |   |
| EOTActuatorMng_EOTImpactPos_HwDeg_M_f32   | 789         |   |
| EOTActuatorMng_FiltEOTGainSV_HwNm_M_u1p31 | 1009317315  |   |
| EOTActuatorMng_FiltHWTrqSV_HwNm_M_s7p24   | 23991419    |   |
| EOTActuatorMng_PrevEOTGain_Uls_M_f32      | 0.649999976 |   |
| EOTActuatorMng SESState Uls M enum        |             |   |

2015-06-29, 18:31:27+0530



| Name  | Input Value |
|---|-------------|
|   | Input Value |
| 2_EOTEnterGainX_HwDeg_u12p4[2][3]   | 1440        |
| 12_EOTEnterGainX_HwDeg_u12p4[3][0]  | 0           |
| 2_EOTEnterGainX_HwDeg_u12p4[3][1]   | 480         |
| 2_EOTEnterGainX_HwDeg_u12p4[3][2]   | 960         |
| 2_EOTEnterGainX_HwDeg_u12p4[3][3]   | 1440        |
| 2_EOTEnterGainY_Uls_u1p15[0][0]   | 0           |
| t2_EOTEnterGainY_Uls_u1p15[0][1]  | 10813       |
| t2_EOTEnterGainY_Uls_u1p15[0][2]  | 21627       |
| 2_EOTEnterGainY_Uls_u1p15[0][3]   | 32768       |
| 2_EOTEnterGainY_Uls_u1p15[1][0]   | 0           |
| t2_EOTEnterGainY_Uls_u1p15[1][1]  | 10813       |
| t2_EOTEnterGainY_Uls_u1p15[1][2]  | 21627       |
| t2_EOTEnterGainY_Uls_u1p15[1][3]  | 32768       |
| 2_EOTEnterGainY_Uls_u1p15[2][0]   | 0           |
| 2_EOTEnterGainY_Uls_u1p15[2][1]   | 10813       |
| 2_EOTEnterGainY_Uls_u1p15[2][2]   | 21627       |
| 2_EOTEnterGainY_Uls_u1p15[2][3]   | 32768       |
| 2_EOTEnterGainY_Uls_u1p15[3][0]   | 0           |
| 2_EOTEnterGainY_Uls_u1p15[3][1]   | 10813       |
| 2_EOTEnterGainY_Uls_u1p15[3][2]   | 21627       |
| 2_EOTEnterGainY_Uls_u1p15[3][3]   | 32768       |
| t2_EOTExPosDepDmpTblY_MtrNmpRadps_u0p16[0][0]   | 0           |
| t2_EOTEXPOSDepDmpTblY_MtrNmpRadps_u0p16[0][1]   | 256         |
| 2_EOTEXPOSDEpDmpTbIY_MtrNmpRadps_u0p10[0][1]  | 154         |
| t2_EOTEXPOSDEpDmpTblY_MtrNmpRadps_u0p16[1][0]   | 512         |
| 2_EOTEXPOSDEpDmpTblY_MtrNmpRadps_u0p16[1][1] 2_EOTEXPosDepDmpTblY_MtrNmpRadps_u0p16[2][0] | 31          |
| z_EOTExPosDepDmpTblY_MtrNmpRadps_u0p16[2][0]  | 94          |
|   | 160         |
| 2_EOTExPosDepDmpTblY_MtrNmpRadps_u0p16[3][0]  |             |
| t2_EOTExPosDepDmpTblY_MtrNmpRadps_u0p16[3][1]   | 224         |
| I2_EOTPosDepDmpTbIX_HwDeg_u12p4[0][0]   | 0           |
| 2_EOTPosDepDmpTblX_HwDeg_u12p4[0][1]  | 320         |
| 2_EOTPosDepDmpTbIX_HwDeg_u12p4[1][0]  | 0           |
| 2_EOTPosDepDmpTbIX_HwDeg_u12p4[1][1]  | 320         |
| 2_EOTPosDepDmpTbIX_HwDeg_u12p4[2][0]  | 0           |
| t2_EOTPosDepDmpTblX_HwDeg_u12p4[2][1]   | 320         |
| t2_EOTPosDepDmpTbIX_HwDeg_u12p4[3][0]   | 0           |
| t2_EOTPosDepDmpTblX_HwDeg_u12p4[3][1]   | 320         |
| t2_EOTPosDepDmpTbIY_MtrNmpRadpS_u0p16[0][0]   | 0           |
| 2_EOTPosDepDmpTblY_MtrNmpRadpS_u0p16[0][1]  | 128         |
| t2_EOTPosDepDmpTbIY_MtrNmpRadpS_u0p16[1][0]   | 146         |
| t2_EOTPosDepDmpTbIY_MtrNmpRadpS_u0p16[1][1]   | 416         |
| t2_EOTPosDepDmpTblY_MtrNmpRadpS_u0p16[2][0]   | 31          |
| t2_EOTPosDepDmpTblY_MtrNmpRadpS_u0p16[2][1]   | 640         |
| 2_EOTPosDepDmpTblY_MtrNmpRadpS_u0p16[3][0]  | 93          |
| 2_EOTPosDepDmpTblY_MtrNmpRadpS_u0p16[3][1]  | 448         |
| E_EOTDmpVspd_Kph_u9p7[0]  | 0           |
| E_EOTDmpVspd_Kph_u9p7[1]  | 640         |
| E_EOTDmpVspd_Kph_u9p7[2]  | 1280        |
|   | 2560        |
| :_EOTEnterGainVspd_Kph_u9p7[0]  | 0           |
| _EOTEnterGainVspd_Kph_u9p7[1]   | 640         |
| _EOTEnterGainVspd_Kph_u9p7[1]<br>_EOTEnterGainVspd_Kph_u9p7[2]                            | 1280        |
| _EOTEnterGainVspd_kpir_u9p7[2]<br>: EOTEnterGainVspd_kph_u9p7[3]                          | 2816        |
| _   | 400         |
| _SpdlptTblXTbl_HwDeg_u12p4[0]   |             |
| :_SpdlptTblXTbl_HwDeg_u12p4[1]  | 800         |
| _SpdIptTblYTbl_MtrRadpS_u12p4[0]  | 288         |
| :_SpdlptTblYTbl_MtrRadpS_u12p4[1]   | 960         |
| _TrqTableX_HwNm_u8p8[0]   | 2304        |
| _TrqTableX_HwNm_u8p8[1]   | 2560        |
| _TrqTbIY_Uls_u2p14[0]   | 32          |
| _TrqTblY_Uls_u2p14[1]   | 114         |
| arget_EOTActuatorMng_Per1_CcwEOT_HwDeg_f32.value  | -888        |
| arget_EOTActuatorMng_Per1_CcwFound_Cnt_lgc.value  | 1           |
| arget_EOTActuatorMng_Per1_CwEOT_HwDeg_f32.value   | 950         |
| arget_EOTActuatorMng_Per1_CwFound_Cnt_lgc.value   | 1           |
| arget_EOTActuatorMng_Per1_EOTDisable_Cnt_lgc.value  | 0           |
| arget_EOTActuatorWing_Per1_HandWheelAuth_Uls_f32.value                                    | 0.779999971 |
| arget EOTActuatorMng Per1 HandWheelPos HwDeg f32.value                                    | -1440.10999 |
|   |             |
| target_EOTActuatorMng_Per1_HwTorque_HwNm_f32.value  | -10         |
| target_EOTActuatorMng_Per1_MotorVel_MtrRadpS_f32.value                                    | -1118       |
| target_EOTActuatorMng_Per1_OutputRampMultLtd_Uls_f32.value                                | 0.172000006 |
| target_EOTActuatorMng_Per1_VehicleSpeed_Kph_f32.value                                     | 10          |





| Name   | Input Value  |                            |          |
|--|--|----------------------------|----------|
| target_Rte_Inst_Ap_EOTActuatorMng.EOTActuatorMng_Per1_AssistEOTGain_   | _Uls_ target_EOTActuatorMng_Per1_AssistEOT                   | Gain_Uls_f32               |          |
| $target\_Rte\_Inst\_Ap\_EOTActuatorMng.EOTActuatorMng\_Per1\_AssistEOTLimit\_Inst\_Ap\_EOTActuatorMng\_Per1\_AssistEOTLimit\_Inst\_Ap\_EOTActuatorMng\_Per1\_AssistEOTLimit\_Inst\_Ap\_EOTActuatorMng\_Per1\_AssistEOTLimit\_Inst\_Ap\_EOTActuatorMng\_Per1\_AssistEOTLimit\_Inst\_Ap\_EOTActuatorMng\_Per1\_AssistEOTLimit\_Inst\_Ap\_EOTActuatorMng\_Per1\_AssistEOTLimit\_Inst\_Ap\_EOTActuatorMng\_Per1\_AssistEOTLimit\_Inst\_Ap\_EOTActuatorMng\_Per1\_AssistEOTLimit\_Inst\_Ap\_EOTActuatorMng\_Per1\_AssistEOTLimit\_InstAp\_EOTActuatorMng\_Per1\_AssistEOTLimit\_InstAp\_EOTActuatorMng\_Per1\_AssistEOTLimit\_InstAp\_EOTActuatorMng\_Per1\_AssistEOTLimit\_InstAp\_EOTActuatorMng\_Per1\_AssistEOTLimit\_InstAp\_EOTActuatorMng\_ApATORMng\_ApAT$                         | Mtrl target_EOTActuatorMng_Per1_AssistEOT                    | Limit_MtrNm_f32            |          |
| target_Rte_Inst_Ap_EOTActuatorMng.EOTActuatorMng_Per1_CcwEOT_HwDe  | eg_f3 target_EOTActuatorMng_Per1_CcwEOT_                     | HwDeg_f32                  |          |
| target_Rte_Inst_Ap_EOTActuatorMng.EOTActuatorMng_Per1_CcwFound_Cnt_  | _lgc   target_EOTActuatorMng_Per1_CcwFound                   | _Cnt_lgc                   |          |
| target_Rte_Inst_Ap_EOTActuatorMng.EOTActuatorMng_Per1_CwEOT_HwDeg  | g_f32 target_EOTActuatorMng_Per1_CwEOT_H                     | wDeg_f32                   |          |
| $target\_Rte\_Inst\_Ap\_EOTActuatorMng.EOTActuatorMng\_Per1\_CwFound\_Cnt\_Inst\_Ap\_EOTActuatorMng\_Per1\_CwFound\_Cnt\_Inst\_Ap\_EOTActuatorMng\_Per1\_CwFound\_Cnt\_Inst\_Ap\_EOTActuatorMng\_Per1\_CwFound\_Cnt\_Inst\_Ap\_EOTActuatorMng\_Per1\_CwFound\_Cnt\_Inst\_Ap\_EOTActuatorMng\_Per1\_CwFound\_Cnt\_Inst\_Ap\_EOTActuatorMng\_Per1\_CwFound\_Cnt\_Inst\_Ap\_EOTActuatorMng\_Per1\_CwFound\_Cnt\_Inst\_Ap\_EOTActuatorMng\_Per1\_CwFound\_Cnt\_Inst\_Ap\_EOTActuatorMng\_Per1\_CwFound\_Cnt\_Inst\_Ap\_EOTActuatorMng\_Per1\_CwFound\_Cnt\_Inst\_Ap\_EOTActuatorMng\_Per1\_CwFound\_Cnt\_Inst_Ap\_EOTActuatorMng\_Per1\_CwFound\_Cnt\_Inst_Ap\_EOTActuatorMng\_Per1\_CwFound\_Cnt\_Inst_Ap\_EOTActuatorMng\_Cnt\_$ | gc target_EOTActuatorMng_Per1_CwFound_                       | _Cnt_lgc                   |          |
| target Rte Inst Ap EOTActuatorMng.EOTActuatorMng Per1 EOTDisable Cn  | t lgc target_EOTActuatorMng_Per1_EOTDisab                    | le_Cnt_lgc                 |          |
| $target\_Rte\_Inst\_Ap\_EOTActuatorMng.EOTActuatorMng\_Per1\_HandWheelAutherstarget\_Rte\_Inst\_Ap\_EOTActuatorMng.EOTActuatorMng\_Per1\_HandWheelAutherstarget\_Rte\_Inst\_Ap\_EOTActuatorMng.EOTActuatorMng\_Per1\_HandWheelAutherstarget\_Rte\_Inst\_Ap\_EOTActuatorMng.EOTActuatorMng\_Per1\_HandWheelAutherstarget\_Rte\_Inst\_Ap\_EOTActuatorMng.EOTActuatorMng\_Per1\_HandWheelAutherstarget\_Rte\_Inst\_Ap\_EOTActuatorMng.EOTActuatorMng\_Per1\_HandWheelAutherstarget\_Rte\_Inst\_Ap\_EOTActuatorMng.EOTActuatorMng\_Per1\_HandWheelAutherstarget\_Rte\_Inst\_Ap\_EOTActuatorMng.EOTAc$   | _Uls target_EOTActuatorMng_Per1_HandWhee                     | elAuth_Uls_f32             |          |
| target_Rte_Inst_Ap_EOTActuatorMng.EOTActuatorMng_Per1_HandWheelPos_  | _Hwl target_EOTActuatorMng_Per1_HandWhee                     | elPos_HwDeg_f32            |          |
| $target\_Rte\_Inst\_Ap\_EOTActuatorMng.EOTActuatorMng\_Per1\_HwTorque\_HwNgraphics$  | Im_f target_EOTActuatorMng_Per1_HwTorque                     | _HwNm_f32                  |          |
| $target\_Rte\_Inst\_Ap\_EOTActuatorMng.EOTActuatorMng\_Per1\_MotorVel\_MtrRadius and the property of the property of$  | dpS_target_EOTActuatorMng_Per1_MotorVel_MtrRadpS_f32         |                            |          |
| $target\_Rte\_Inst\_Ap\_EOTActuatorMng.EOTActuatorMng\_Per1\_OutputRampMu$   | lultLtd_target_EOTActuatorMng_Per1_OutputRampMultLtd_Uls_f32 |                            |          |
| target_Rte_Inst_Ap_EOTActuatorMng.EOTActuatorMng_Per1_VehicleSpeed_k   | <pre>Kph_ target_EOTActuatorMng_Per1_VehicleSpen</pre>       | eed_Kph_f32                |          |
| Name   | Actual Value   | Expected Value             | Result   |
| EOTActuatorMng_Damping_MtrNm_M_f32   | 3.01668  | 3.01668 ± 0.0000390625     | ~        |
| EOTActuatorMng_EOTImpactPos_HwDeg_M_f32  | 200  | 200 ± 0.0000390625         | ~        |
| EOTActuatorMng_FiltEOTGainSV_HwNm_M_u1p31  | 908539715  | 908539715 ± 1              | ~        |
| EOTActuatorMng_FiltHWTrqSV_HwNm_M_s7p24  | 32227695   | 32227695 ± 1               | ~        |
| EOTActuatorMng_OutputRampMultLtd_M_f32   | 0.172000006  | 0.172000006 ± 0.00390625   | ~        |
| EOTActuatorMng_PrevEOTGain_Uls_M_f32   | 0.423065186  | 0.423065186 ± 0.0625       | ✓        |
| EOTActuatorMng_SESState_Uls_M_enum   | SES_DISABLED   | SES_DISABLED               | ~        |
| target_EOTActuatorMng_Per1_AssistEOTDamping_MtrNm_f32.value  | 3.01668  | 3.01668 ± 0.00048828125    | ~        |
| target_EOTActuatorMng_Per1_AssistEOTGain_Uls_f32.value   | 0.423065186  | 0.423065186 ± 0.0000390625 | ~        |
| target_EOTActuatorMng_Per1_AssistEOTLimit_MtrNm_f32.value  | 0  | 0 ± 0.00048828125          | <b>✓</b> |

| Τ  |       |  |       | <b>✓</b> |
|--|-------|--|-------|----------|
| Actual Function                                    | Count | Expected Function                                  | Count | Result   |
| Rte_Call_EOTActuatorMng_Per1_CP0_CheckpointReached | 1     | Rte_Call_EOTActuatorMng_Per1_CP0_CheckpointReached | 1     | ~        |
| EOTDetermination                                   | 1     | EOTDetermination                                   | 1     | ~        |
| EOTOrigImpact                                      | 1     | EOTOrigImpact                                      | 1     | ~        |
| IntplVarXY_u16_u16Xu16Y_Cnt                        | 1     | IntplVarXY_u16_u16Xu16Y_Cnt                        | 1     | <b>✓</b> |
| SES_DetLmtPos                                      | 1     | SES_DetLmtPos                                      | 1     | ~        |
| SES_CalcExitGain                                   | 1     | SES_CalcExitGain                                   | 1     | ~        |
| IntplVarXY_u16_u16Xu16Y_Cnt                        | 1     | IntplVarXY_u16_u16Xu16Y_Cnt                        | 1     | -        |
| SES_CalcEnterGain                                  | 1     | SES_CalcEnterGain                                  | 1     | ~        |
| BilinearXMYM_u16_u16XMu16YM_Cnt                    | 1     | BilinearXMYM_u16_u16XMu16YM_Cnt                    | 1     | -        |
| SES_CalcEOTGain                                    | 1     | SES_CalcEOTGain                                    | 1     | ~        |
| SES_FiltEOTGain                                    | 1     | SES_FiltEOTGain                                    | 1     | ~        |
| SES_CalcEOTDamp                                    | 1     | SES_CalcEOTDamp                                    | 1     | <b>~</b> |
| BilinearXMYM_u16_u16XMu16YM_Cnt                    | 1     | BilinearXMYM_u16_u16XMu16YM_Cnt                    | 1     | <b>~</b> |
| SES_StateCtrl                                      | 1     | SES_StateCtrl                                      | 1     | <b>~</b> |
| Rte Call EOTActuatorMng Per1 CP1 CheckpointReached | 1     | Rte Call EOTActuatorMng Per1 CP1 CheckpointReached | 1     | <b>✓</b> |

| Test Step 3.8 (Repeat Count = 1)          | <b>✓</b>                          |
|---|-----------------------------------|
| Name                                      | Input Value                       |
| EOTActuatorMng_Damping_MtrNm_M_f32        | 5.19999981                        |
| EOTActuatorMng_EOTImpactPos_HwDeg_M_f32   | 789                               |
| EOTActuatorMng_FiltEOTGainSV_HwNm_M_u1p31 | 0                                 |
| EOTActuatorMng_FiltHWTrqSV_HwNm_M_s7p24   | 23991419                          |
| EOTActuatorMng_PrevEOTGain_Uls_M_f32      | 0                                 |
| EOTActuatorMng_SESState_Uls_M_enum        | SES_NORMAL                        |
| Rte_Inst_Ap_EOTActuatorMng                | target_Rte_Inst_Ap_EOTActuatorMng |
| k_EOTActiveRegionBypassMaxThresh_Uls_f32  | 0                                 |
| k_EOTDefltPosition_HwDeg_u12p4            | 3200                              |
| k_EOTDeltaTrqThrsh_HwNm_u9p7              | 1152                              |
| k_EOTDynConf_Uls_u8p8                     | 205                               |
| k_EOTEnterLPFKn_Cnt_u16                   | 6544                              |
| k_EOTExitLPFKn_Cnt_u16                    | 111                               |
| k_EOTImpSpdEn_Kph_u9p7                    | 5376                              |
| k_EOTOriginalImpactandSoftEnd_Cnt_lgc     | 1                                 |
| k_EOTPosDepDempFinalSlew_MtrNmpS_T_f32    | 106.660004                        |
| k_EOTStateHwTrqLPFKn_Cnt_u16              | 3754                              |
| k_MaxRackTrvl_HwDeg_u12p4                 | 1776                              |
| k_MinRackTrvl_HwDeg_u12p4                 | 14400                             |
| k_PosRampStep_HwDeg_u12p4                 | 10848                             |
| k_SoftStopEOTEnable_Cnt_lgc               | 0                                 |
| k_SpdlptScale_MtrNmpRadpS_u4p12           | 80                                |
| t2_EOTEnterGainX_HwDeg_u12p4[0][0]        | 0                                 |
| t2_EOTEnterGainX_HwDeg_u12p4[0][1]        | 480                               |
| t2_EOTEnterGainX_HwDeg_u12p4[0][2]        | 960                               |

2015-06-29, 18:31:27+0530



| EOTActuatorMng_Per1   | TALCIU      |  |
|---|-------------|--|
| Name  | Input Value |  |
| t2_EOTEnterGainX_HwDeg_u12p4[0][3]  | 1440        |  |
| t2_EOTEnterGainX_HwDeg_u12p4[1][0]  | 0           |  |
| t2_EOTEnterGainX_HwDeg_u12p4[1][1]  | 480         |  |
| t2_EOTEnterGainX_HwDeg_u12p4[1][2]  | 960         |  |
| t2_EOTEnterGainX_HwDeg_u12p4[1][3]  | 1440        |  |
| t2_EOTEnterGainX_HwDeg_u12p4[2][0]  | 0           |  |
| t2_EOTEnterGainX_HwDeg_u12p4[2][1]  | 480         |  |
| t2_EOTEnterGainX_HwDeg_u12p4[2][2]  | 960         |  |
| t2_EOTEnterGainX_HwDeg_u12p4[2][3]  | 1440        |  |
| t2_EOTEnterGainX_HwDeg_u12p4[3][0]  | 0           |  |
| t2_EOTEnterGainX_HwDeg_u12p4[3][1]<br>t2_EOTEnterGainX_HwDeg_u12p4[3][2]                    | 960         |  |
| t2_EOTEnterGainX_HwDeg_u12p4[3][2] t2_EOTEnterGainX_HwDeg_u12p4[3][3]                       | 1440        |  |
| t2_EOTEItterGainY_1twDeg_u12p4[3][3]<br>t2_EOTEnterGainY_Uls_u1p15[0][0]                    | 0           |  |
| 12_EOTEING/GainY_Uls_u1p15[0][1]  | 0           |  |
| t2_EOTEnterGainY_Uls_u1p15[0][2]  | 0           |  |
| 12_EOTEnterGainY_Uls_u1p15[0][3]  | 0           |  |
| 12_EOTEnterGainY_Uls_u1p15[1][0]  | 0           |  |
| 12_EOTEnterGainY_Uls_u1p15[1][1]  | 0           |  |
| 2_EOTEnterGainY_Uls_u1p15[1][2]   | 0           |  |
| 2_EOTEnterGainY_Uls_u1p15[1][3]   | 0           |  |
| 2_EOTEnterGainY_Uls_u1p15[2][0]   | 0           |  |
| 2_EOTEnterGainY_Uls_u1p15[2][1]   | 0           |  |
| 2_EOTEnterGainY_Uls_u1p15[2][2]   | 0           |  |
| 2_EOTEnterGainY_Uls_u1p15[2][3]   | 0           |  |
| t2_EOTEnterGainY_Uls_u1p15[3][0]  | 0           |  |
| t2_EOTEnterGainY_Uls_u1p15[3][1]  | 0           |  |
| 2_EOTEnterGainY_Uls_u1p15[3][2]   | 0           |  |
| t2_EOTEnterGainY_Uls_u1p15[3][3]  | 0           |  |
| 2_EOTExPosDepDmpTblY_MtrNmpRadps_u0p16[0][0]  | 0           |  |
| 12_EOTExPosDepDmpTblY_MtrNmpRadps_u0p16[0][1]   | 256         |  |
| I2_EOTExPosDepDmpTblY_MtrNmpRadps_u0p16[1][0]   | 154         |  |
| 2_EOTExPosDepDmpTblY_MtrNmpRadps_u0p16[1][1]  | 512         |  |
| 12_EOTExPosDepDmpTblY_MtrNmpRadps_u0p16[2][0]   | 31<br>94    |  |
| t2_EOTExPosDepDmpTblY_MtrNmpRadps_u0p16[2][1] t2_EOTExPosDepDmpTblY_MtrNmpRadps_u0p16[3][0] | 160         |  |
| t2_EOTEXPosDepDmpTblY_MtrNmpRadps_u0p16[3][1]   | 224         |  |
| t2 EOTPosDepDmpTbIX HwDeg u12p4[0][0]   | 0           |  |
| t2_EOTPosDepDmpTbIX_HwDeg_u12p4[0][1]   | 320         |  |
| t2_EOTPosDepDmpTblX_HwDeg_u12p4[1][0]   | 0           |  |
| t2_EOTPosDepDmpTblX_HwDeg_u12p4[1][1]   | 320         |  |
| t2_EOTPosDepDmpTblX_HwDeg_u12p4[2][0]   | 0           |  |
| t2_EOTPosDepDmpTblX_HwDeg_u12p4[2][1]   | 320         |  |
| t2_EOTPosDepDmpTblX_HwDeg_u12p4[3][0]   | 0           |  |
| t2_EOTPosDepDmpTblX_HwDeg_u12p4[3][1]   | 320         |  |
| t2_EOTPosDepDmpTblY_MtrNmpRadpS_u0p16[0][0]   | 0           |  |
| t2_EOTPosDepDmpTblY_MtrNmpRadpS_u0p16[0][1]   | 128         |  |
| 2_EOTPosDepDmpTblY_MtrNmpRadpS_u0p16[1][0]  | 146         |  |
| 2_EOTPosDepDmpTblY_MtrNmpRadpS_u0p16[1][1]  | 416         |  |
| t2_EOTPosDepDmpTblY_MtrNmpRadpS_u0p16[2][0]   | 31          |  |
| 2_EOTPosDepDmpTblY_MtrNmpRadpS_u0p16[2][1]  | 640         |  |
| 12_EOTPosDepDmpTblY_MtrNmpRadpS_u0p16[3][0]   | 93          |  |
| t2_EOTPosDepDmpTblY_MtrNmpRadpS_u0p16[3][1]   | 448         |  |
| ECTDmpVspd_Kph_u9p7[0]  | 0           |  |
| E_EOTDmpVspd_Kph_u9p7[1]  | 640         |  |
| ECTDmpVspd_Kph_u9p7[2]  | 1280        |  |
| t_EOTDmpVspd_Kph_u9p7[3]  | 2560        |  |
| :_EOTEnterGainVspd_Kph_u9p7[0]<br>:_EOTEnterGainVspd_Kph_u9p7[1]                            | 640         |  |
| :_EOTEnterGainVspd_Kpn_u9p7[1]<br>:_EOTEnterGainVspd_Kph_u9p7[2]                            | 1280        |  |
| :_EOTEnterGainVspd_Kph_u9p7[3]  | 2816        |  |
|   | 400         |  |
| opdiptTblXTbl_HwDeg_u12p4[1]  | 800         |  |
| :_SpdIptTbIYTbl_MtrRadpS_u12p4[0]   | 288         |  |
| _SpdiptTblYTbl_MtrRadpS_u12p4[1]  | 960         |  |
| t_TrqTableX_HwNm_u8p8[0]  | 0           |  |
| t_TrqTableX_HwNm_u8p8[1]  | 0           |  |
| :_TrqTblY_Uls_u2p14[0]  | 49          |  |
| t_TrqTblY_Uls_u2p14[1]  | 131         |  |
| target_EOTActuatorMng_Per1_CcwEOT_HwDeg_f32.value   | -888        |  |
| target_EOTActuatorMng_Per1_CcwFound_Cnt_lgc.value   | 1           |  |
| target_EOTActuatorMng_Per1_CwEOT_HwDeg_f32.value  | 950         |  |
| target_EOTActuatorMng_Per1_CwFound_Cnt_lgc.value  | 1           |  |

2015-06-29, 18:31:27+0530



 Name
 Input Value

 target\_EOTActuatorMng\_Per1\_EOTDisable\_Cnt\_lgc.value
 0

 target\_EOTActuatorMng\_Per1\_HandWheelAuth\_Uls\_f32.value
 0.779999971

 target\_EOTActuatorMng\_Per1\_HandWheelPos\_HwDeg\_f32.value
 -1440.10999

target\_EOTActuatorMng\_Per1\_HwTorque\_HwNm\_f32.value
target\_EOTActuatorMng\_Per1\_MotorVel\_MtrRadpS\_f32.value
target\_EOTActuatorMng\_Per1\_OutputRampMultLtd\_Uls\_f32.value
target\_EOTActuatorMng\_Per1\_VehicleSpeed\_Kph\_f32.value
target\_Rte\_Inst\_Ap\_EOTActuatorMng.EOTActuatorMng\_Per1\_AssistEOTDamping
target\_Rte\_Inst\_Ap\_EOTActuatorMng.EOTActuatorMng\_Per1\_AssistEOTGain\_Uls
target\_Rte\_Inst\_Ap\_EOTActuatorMng.EOTActuatorMng\_Per1\_AssistEOTGain\_Uls
target\_EOTActuatorMng\_Per1\_AssistEOTGain\_Uls

target\_Rte\_Inst\_Ap\_EOTActuatorMng.EOTActuatorMng\_Per1\_AssistEOTLimit\_Mtr1 target\_EOTActuatorMng\_Per1\_AssistEOTLimit\_MtrNm\_f32 target\_EINst\_Ap\_EOTActuatorMng.EOTActuatorMng\_Per1\_CcwEOT\_HwDeg\_f31 target\_EOTActuatorMng\_Per1\_CcwEOT\_HwDeg\_f32 target\_EOTActuatorMng\_Per1\_CcwEOT\_HwDeg\_f32 target\_EOTActuatorMng\_Per1\_CcwEOT\_HwDeg\_f32 target\_EOTActuatorMng\_Per1\_CcwEOT\_HwDeg\_f32 target\_EOTActuatorMng\_Per1\_CcwEOT\_HwDeg\_f32 target\_EOTActuatorMng\_Per1\_CcwEOT\_HwDeg\_f32 target\_EOTActuatorMng\_Per1\_CcwEOT\_HwDeg\_f32 target\_EOTActuatorMng\_Per1\_CcwEOT\_HwDeg\_f32 target\_EOTActuatorMng\_Per1\_CcwEOT\_HwDeg\_f33 target\_EOTActuatorMng\_EOTActuatorMng\_EOTActuatorMng\_EOTActuatorMng\_EOTActuatorMng\_EOTActuatorMng\_EOTActuatorMng\_EOTActuatorMng\_EOTActuat

target\_Rte\_Inst\_Ap\_EOTActuatorMng.EOTActuatorMng\_Per1\_CcwFound\_Cnt\_lgc target\_Rte\_Inst\_Ap\_EOTActuatorMng.EOTActuatorMng\_Per1\_CwEOT\_HwDeg\_f32 target\_Rte\_Inst\_Ap\_EOTActuatorMng.EOTActuatorMng\_Per1\_CwFound\_Cnt\_lgc target\_Rte\_Inst\_Ap\_EOTActuatorMng.EOTActuatorMng\_Per1\_CwFound\_Cnt\_lgc target\_Rte\_Inst\_Ap\_EOTActuatorMng.EOTActuatorMng\_Per1\_CwFound\_Cnt\_lgc target\_Rte\_Inst\_Ap\_EOTActuatorMng.EOTActuatorMng\_Per1\_CwFound\_Cnt\_lgc target\_Rte\_Inst\_Ap\_EOTActuatorMng.EOTActuatorMng\_Per1\_CwFound\_Cnt\_lgc target\_Rte\_Inst\_Ap\_EOTActuatorMng.EOTActuatorMng\_Per1\_CwFound\_Cnt\_lgc target\_Rte\_Inst\_Ap\_EOTActuatorMng.EOTActuatorMng\_Per1\_CwFound\_Cnt\_lgc target\_Rte\_Inst\_Ap\_EOTActuatorMng.EOTActuatorMng\_Per1\_CwFound\_Cnt\_lgc target\_Rte\_Inst\_Ap\_EOTActuatorMng\_Per1\_CwFound\_Cnt\_lgc target\_Rte\_Inst\_Ap\_EOTAct

target\_Rte\_Inst\_Ap\_EOTActuatorMng.EOTActuatorMng\_Per1\_EOTDisable\_Cnt\_lgc target\_Rte\_Inst\_Ap\_EOTActuatorMng.EOTActuatorMng\_Per1\_HandWheelAuth\_Uls target\_EOTActuatorMng\_Per1\_HandWheelAuth\_Uls\_f32 target\_Rte\_Inst\_Ap\_EOTActuatorMng.EOTActuatorMng\_Per1\_HandWheelPos\_Hwl target\_EOTActuatorMng\_Per1\_HandWheelPos\_Hwl target\_EOTActuatorMng\_Per1\_HandWheelPos\_HwDeg\_f32 target\_Rte\_Inst\_Ap\_EOTActuatorMng.EOTActuatorMng\_Per1\_HwTorque\_HwNm\_f.

 $target\_Rte\_Inst\_Ap\_EOTActuatorMng\_EOTActuatorMng\_Per1\_MotorVel\_MtrRadpS\_\\ target\_Rte\_Inst\_Ap\_EOTActuatorMng\_EOTActuatorMng\_Per1\_OutputRampMulltLtd\_\\ target\_EOTActuatorMng\_Per1\_OutputRampMulltLtd\_\\ target\_EOTActuatorMng\_P$ 

| target_Rte_inst_Ap_EOTActuatoriving.EOTActuatoriving_FerT_verticleSpeed_Rpin_ | _ target_EOTActuationving_Ferr_verricleSpeed_kpri_isz |                             |        |
|---|---|-----------------------------|--------|
| Name  | Actual Value  | Expected Value              | Result |
| EOTActuatorMng_Damping_MtrNm_M_f32  | 4.98668003  | 4.98668003 ± 0.0000390625   | ~      |
| EOTActuatorMng_EOTImpactPos_HwDeg_M_f32                                       | 200   | 200 ± 0.0000390625          | ~      |
| EOTActuatorMng_FiltEOTGainSV_HwNm_M_u1p31                                     | 0   | 0 ± 1                       | ~      |
| EOTActuatorMng_FiltHWTrqSV_HwNm_M_s7p24                                       | 22617455  | 22617455 ± 1                | ~      |
| EOTActuatorMng_OutputRampMultLtd_M_f32  | 0.0590000004  | 0.0590000004 ± 0.00390625   | ~      |
| EOTActuatorMng_PrevEOTGain_Uls_M_f32  | 0   | 0 ± 0.0625                  | ~      |
| EOTActuatorMng_SESState_Uls_M_enum  | SES_DISABLED  | SES_DISABLED                | ~      |
| target_EOTActuatorMng_Per1_AssistEOTDamping_MtrNm_f32.value                   | 4.98668003  | 4.98668003 ± 0.00048828125  | ~      |
| target_EOTActuatorMng_Per1_AssistEOTGain_Uls_f32.value                        | 0   | 0 ± 0.0000390625            | ~      |
| target_EOTActuatorMng_Per1_AssistEOTLimit_MtrNm_f32.value                     | 0.349609375   | 0.349609375 ± 0.00048828125 | ~      |

| T Total Control of the Control of th |       |  |       | ✓        |
|--|-------|--|-------|----------|
| Actual Function  | Count | Expected Function                                  | Count | Result   |
| Rte_Call_EOTActuatorMng_Per1_CP0_CheckpointReached   | 1     | Rte_Call_EOTActuatorMng_Per1_CP0_CheckpointReached | 1     | ~        |
| EOTDetermination   | 1     | EOTDetermination                                   | 1     | ~        |
| EOTOrigImpact  | 1     | EOTOrigImpact                                      | 1     | ~        |
| IntplVarXY_u16_u16Xu16Y_Cnt  | 1     | IntplVarXY_u16_u16Xu16Y_Cnt                        | 1     | ~        |
| SES_DetLmtPos  | 1     | SES_DetLmtPos                                      | 1     | ~        |
| SES_CalcExitGain   | 1     | SES_CalcExitGain                                   | 1     | ~        |
| IntplVarXY_u16_u16Xu16Y_Cnt  | 1     | IntplVarXY_u16_u16Xu16Y_Cnt                        | 1     | -        |
| SES_CalcEnterGain  | 1     | SES_CalcEnterGain                                  | 1     | ~        |
| BilinearXMYM_u16_u16XMu16YM_Cnt  | 1     | BilinearXMYM_u16_u16XMu16YM_Cnt                    | 1     | -        |
| SES_CalcEOTGain  | 1     | SES_CalcEOTGain                                    | 1     | ~        |
| SES_FiltEOTGain  | 1     | SES_FiltEOTGain                                    | 1     | ~        |
| SES_CalcEOTDamp  | 1     | SES_CalcEOTDamp                                    | 1     | ~        |
| BilinearXMYM_u16_u16XMu16YM_Cnt  | 1     | BilinearXMYM_u16_u16XMu16YM_Cnt                    | 1     | ~        |
| SES_StateCtrl  | 1     | SES_StateCtrl                                      | 1     | ~        |
| Rte Call EOTActuatorMng Per1 CP1 CheckpointReached   | 1     | Rte Call EOTActuatorMng Per1 CP1 CheckpointReached | 1     | <b>~</b> |

| Test Step 3.9 (Repeat Count = 1)          | v v v v v v v v v v v v v v v v v v v |
|---|---------------------------------------|
| Name                                      | Input Value                           |
| EOTActuatorMng_Damping_MtrNm_M_f32        | 8.80000019                            |
| EOTActuatorMng_EOTImpactPos_HwDeg_M_f32   | 1440.10999                            |
| EOTActuatorMng_FiltEOTGainSV_HwNm_M_u1p31 | 2147483648                            |
| EOTActuatorMng_FiltHWTrqSV_HwNm_M_s7p24   | 167772160                             |
| EOTActuatorMng_PrevEOTGain_Uls_M_f32      | 1                                     |
| EOTActuatorMng_SESState_Uls_M_enum        | SES_EXITING                           |
| Rte_Inst_Ap_EOTActuatorMng                | target_Rte_Inst_Ap_EOTActuatorMng     |
| k_EOTActiveRegionBypassMaxThresh_Uls_f32  | 0                                     |
| k_EOTDefltPosition_HwDeg_u12p4            | 13104                                 |
| k_EOTDeltaTrqThrsh_HwNm_u9p7              | 1280                                  |
| k_EOTDynConf_Uls_u8p8                     | 65535                                 |
| k_EOTEnterLPFKn_Cnt_u16                   | 30573                                 |
| k_EOTExitLPFKn_Cnt_u16                    | 30573                                 |
| k_EOTImpSpdEn_Kph_u9p7                    | 32640                                 |
| k_EOTOriginalImpactandSoftEnd_Cnt_lgc     | 1                                     |
| k_EOTPosDepDempFinalSlew_MtrNmpS_T_f32    | 1200                                  |
| k_EOTStateHwTrqLPFKn_Cnt_u16              | 30573                                 |

EOTActuatorMng Per1

2015-06-29, 18:31:27+0530



Input Value k\_MaxRackTrvl\_HwDeg\_u12p4 23040 23040 k\_MinRackTrvl\_HwDeg\_u12p4 k\_PosRampStep\_HwDeg\_u12p4 13104 k\_SoftStopEOTEnable\_Cnt\_lgc 1024 k SpdlptScale MtrNmpRadpS u4p12 t2\_EOTEnterGainX\_HwDeg\_u12p4[0][0] 14400 t2\_EOTEnterGainX\_HwDeg\_u12p4[0][1] 14400 t2\_EOTEnterGainX\_HwDeg\_u12p4[0][2] 14400 t2\_EOTEnterGainX\_HwDeg\_u12p4[0][3] 14400 t2\_EOTEnterGainX\_HwDeg\_u12p4[1][0] 14400 14400 t2\_EOTEnterGainX\_HwDeg\_u12p4[1][1] t2\_EOTEnterGainX\_HwDeg\_u12p4[1][2] 14400 t2\_EOTEnterGainX\_HwDeg\_u12p4[1][3] 14400 t2\_EOTEnterGainX\_HwDeg\_u12p4[2][0] 14400 t2\_EOTEnterGainX\_HwDeg\_u12p4[2][1] 14400 t2 EOTEnterGainX HwDeg u12p4[2][2] 14400 t2\_EOTEnterGainX\_HwDeg\_u12p4[2][3] 14400 t2\_EOTEnterGainX\_HwDeg\_u12p4[3][0] 14400 t2\_EOTEnterGainX\_HwDeg\_u12p4[3][1] 14400 t2\_EOTEnterGainX\_HwDeg\_u12p4[3][2] 14400 t2\_EOTEnterGainX\_HwDeg\_u12p4[3][3] 14400 t2\_EOTEnterGainY\_Uls\_u1p15[0][0] 32768 t2\_EOTEnterGainY\_Uls\_u1p15[0][1] 32768 t2\_EOTEnterGainY\_Uls\_u1p15[0][2] 32768 t2\_EOTEnterGainY\_Uls\_u1p15[0][3] 32768 t2\_EOTEnterGainY\_Uls\_u1p15[1][0] 32768 t2\_EOTEnterGainY\_Uls\_u1p15[1][1] 32768 t2\_EOTEnterGainY\_Uls\_u1p15[1][2] 32768 t2\_EOTEnterGainY\_Uls\_u1p15[1][3] 32768 t2\_EOTEnterGainY\_Uls\_u1p15[2][0] 32768 32768 t2\_EOTEnterGainY\_Uls\_u1p15[2][1] t2\_EOTEnterGainY\_Uls\_u1p15[2][2] 32768 t2 EOTEnterGainY Uls u1p15[2][3] 32768 t2\_EOTEnterGainY\_Uls\_u1p15[3][0] 32768 32768 t2\_EOTEnterGainY\_Uls\_u1p15[3][1] t2 EOTEnterGainY Uls u1p15[3][2] 32768 t2\_EOTEnterGainY\_Uls\_u1p15[3][3] 32768 t2\_EOTExPosDepDmpTblY\_MtrNmpRadps\_u0p16[0][0] 983 t2\_EOTExPosDepDmpTblY\_MtrNmpRadps\_u0p16[0][1] 983 t2 EOTExPosDepDmpTblY MtrNmpRadps u0p16[1][0] 983 t2\_EOTExPosDepDmpTbIY\_MtrNmpRadps\_u0p16[1][1] 983 t2 EOTExPosDepDmpTblY\_MtrNmpRadps\_u0p16[2][0] 983 t2\_EOTExPosDepDmpTblY\_MtrNmpRadps\_u0p16[2][1] 983 t2\_EOTExPosDepDmpTblY\_MtrNmpRadps\_u0p16[3][0] 983 t2\_EOTExPosDepDmpTblY\_MtrNmpRadps\_u0p16[3][1] 983 t2\_EOTPosDepDmpTblX\_HwDeg\_u12p4[0][0] 5760 5760  $t2\_EOTPosDepDmpTblX\_HwDeg\_u12p4[0][1]$ t2\_EOTPosDepDmpTblX\_HwDeg\_u12p4[1][0] 5760  $t2\_EOTPosDepDmpTblX\_HwDeg\_u12p4[1][1]$ 5760 5760 t2\_EOTPosDepDmpTblX\_HwDeg\_u12p4[2][0] t2\_EOTPosDepDmpTblX\_HwDeg\_u12p4[2][1] 5760 t2\_EOTPosDepDmpTblX\_HwDeg\_u12p4[3][0] 5760 t2\_EOTPosDepDmpTblX\_HwDeg\_u12p4[3][1] 5760 t2\_EOTPosDepDmpTblY\_MtrNmpRadpS\_u0p16[0][0] 983 t2\_EOTPosDepDmpTblY\_MtrNmpRadpS\_u0p16[0][1] 983 t2\_EOTPosDepDmpTblY\_MtrNmpRadpS\_u0p16[1][0] 983 t2\_EOTPosDepDmpTblY\_MtrNmpRadpS\_u0p16[1][1] 983 t2\_EOTPosDepDmpTblY\_MtrNmpRadpS\_u0p16[2][0] 983 t2\_EOTPosDepDmpTblY\_MtrNmpRadpS\_u0p16[2][1] 983 t2\_EOTPosDepDmpTblY\_MtrNmpRadpS\_u0p16[3][0] 983 983 t2\_EOTPosDepDmpTblY\_MtrNmpRadpS\_u0p16[3][1] t EOTDmpVspd Kph u9p7[0] 32640  $t\_EOTDmpVspd\_Kph\_u9p7[1]$ 32640 t\_EOTDmpVspd\_Kph\_u9p7[2] 32640  $t\_EOTDmpVspd\_Kph\_u9p7[3]$ 32640 32640 t EOTEnterGainVspd Kph u9p7[0] t\_EOTEnterGainVspd\_Kph\_u9p7[1] 32640 t EOTEnterGainVspd Kph u9p7[2] 32640 t\_EOTEnterGainVspd\_Kph\_u9p7[3] 32640 t\_SpdlptTblXTbl\_HwDeg\_u12p4[0] 2880 2880  $t\_SpdIptTbIXTbI\_HwDeg\_u12p4[1]$ t\_SpdIptTbIYTbI\_MtrRadpS\_u12p4[0] 65520 t\_SpdIptTbIYTbI\_MtrRadpS\_u12p4[1] 65520

2015-06-29, 18:31:27+0530



8.80000019 ± 0.00048828125

8.80000019 ± 0.00048828125

1 ± 0.0000390625

EOTActuatorMng\_Per1

| Name  | Input Value   |                           |          |
|---|---|---------------------------|----------|
| t_TrqTableX_HwNm_u8p8[0]  | 2560  |                           |          |
| t_TrqTableX_HwNm_u8p8[1]  | 2560  |                           |          |
| t_TrqTbIY_Uls_u2p14[0]  | 16384   |                           |          |
| t_TrqTbIY_Uls_u2p14[1]  | 16384   |                           |          |
| target_EOTActuatorMng_Per1_CcwEOT_HwDeg_f32.value   | 0   |                           |          |
| target_EOTActuatorMng_Per1_CcwFound_Cnt_lgc.value   | 1   |                           |          |
| target_EOTActuatorMng_Per1_CwEOT_HwDeg_f32.value  | 1440.10999  |                           |          |
| target_EOTActuatorMng_Per1_CwFound_Cnt_lgc.value  | 1   |                           |          |
| target_EOTActuatorMng_Per1_EOTDisable_Cnt_lgc.value   | 1   |                           |          |
| target_EOTActuatorMng_Per1_HandWheelAuth_Uls_f32.value  | 1   |                           |          |
| target_EOTActuatorMng_Per1_HandWheelPos_HwDeg_f32.value   | 1440.10999  |                           |          |
| target_EOTActuatorMng_Per1_HwTorque_HwNm_f32.value  | 10  |                           |          |
| target_EOTActuatorMng_Per1_MotorVel_MtrRadpS_f32.value  | 1350  |                           |          |
| target_EOTActuatorMng_Per1_OutputRampMultLtd_Uls_f32.value  | 0.912999988   |                           |          |
| target_EOTActuatorMng_Per1_VehicleSpeed_Kph_f32.value   | 511.992188  |                           |          |
| target Rte Inst Ap EOTActuatorMng.EOTActuatorMng Per1 AssistEOTDamping target_EOTActuatorMng_Per1_AssistEOTDamping_MtrNm_f32  |   |                           |          |
| target_Rte_Inst_Ap_EOTActuatorMng.EOTActuatorMng_Per1_AssistEOTGain_Uls_target_EOTActuatorMng_Per1_AssistEOTGain_Uls_f32  |   |                           |          |
| target_Rte_Inst_Ap_EOTActuatorMng_EOTActuatorMng_Per1_AssistEOTLimit_Mtr1 target_EOTActuatorMng_Per1_AssistEOTLimit_MtrNm_f32   |   |                           |          |
| target_Rte_Inst_Ap_EOTActuatorMng.EOTActuatorMng_Per1_CcwEOT_HwDeg_f3   | OT_HwDeg_f3 target_EOTActuatorMng_Per1_CcwEOT_HwDeg_f32 |                           |          |
| $target\_Rte\_Inst\_Ap\_EOTActuatorMng.EOTActuatorMng\_Per1\_CcwFound\_Cnt\_Igc$  |   |                           |          |
| target_Rte_Inst_Ap_EOTActuatorMng.EOTActuatorMng_Per1_CwEOT_HwDeg_f32 target_EOTActuatorMng_Per1_CwEOT_HwDeg_f32  |   |                           |          |
| $target\_Rte\_Inst\_Ap\_EOTActuatorMng.EOTActuatorMng\_Per1\_CwFound\_Cnt\_lgc$   | target_EOTActuatorMng_Per1_CwFound_C                    | nt_lgc                    |          |
| $target\_Rte\_Inst\_Ap\_EOTActuatorMng.EOTActuatorMng\_Per1\_EOTDisable\_Cnt\_Igenerate and the property of the prope$  | target_EOTActuatorMng_Per1_EOTDisable_                  | _Cnt_lgc                  |          |
| $target\_Rte\_Inst\_Ap\_EOTActuatorMng.EOTActuatorMng\_Per1\_HandWheelAuth\_Ulstarget\_Rte\_Inst\_Ap\_EOTActuatorMng\_Per1\_HandWheelAuth\_Ulstarget\_Rte\_Inst\_Ap\_EOTActuatorMng\_Per1\_HandWheelAuth\_Ulstarget\_Rte\_Inst\_Ap\_EOTActuatorMng\_Per1\_HandWheelAuth\_Ulstarget\_Rte\_Inst\_Ap\_EOTActuatorMng\_Per1\_HandWheelAuth\_Ulstarget\_Rte\_Inst\_Ap\_EOTActuatorMng\_Per1\_HandWheelAuth\_Ulstarget\_Rte\_Inst\_Ap\_EOTActuatorMng\_Per1\_HandWheelAuth\_Ulstarget\_Rte\_Inst\_Ap\_EOTActuatorMng\_Per1\_HandWheelAuth\_Ulstarget\_Rte\_Inst\_Ap\_EOTActuatorMng\_Per1\_HandWheelAuth\_Ulstarget\_Rte\_Inst\_Ap\_EOTActuatorMng\_Per1\_HandWheelAuth\_Ulstarget\_Rte\_Inst\_Ap\_EOTActuatorMng\_Per1\_HandWheelAuth\_Ulstarget\_Rte\_Inst\_Ap\_EOTActuatorMng\_Per1\_HandWheelAuth\_Ulstarget\_Rte\_Inst_Ap\_EOTActuatorMng\_Per1\_HandWheelAuth\_Ulstarget\_Rte\_Inst_Ap\_EOTActuatorMng\_Per1\_HandWheelAuth\_Ulstarget\_Rte\_Inst_Ap\_EOTActuatorMng\_Per1\_HandWheelAuth\_Rte\_Inst_Ap\_EOTActuatorMng\_Per1\_HandWheelAuth\_Rte\_Inst_Ap\_EOTActuatorMng\_Per1\_HandWheelAuth\_Rte\_Inst_Ap\_EOTActuatorMng\_Per1\_HandWheelAuth\_Rte\_Inst_Ap\_EOTActuatorMng\_Per1\_HandWheelAuth_Rte\_Inst_Ap\_EOTActuatorMng\_Per1\_HandWheelA$ | target_EOTActuatorMng_Per1_HandWheelA                   | auth_Uls_f32              |          |
| target Rte Inst Ap EOTActuatorMng.EOTActuatorMng Per1 HandWheelPos Hw   | target_EOTActuatorMng_Per1_HandWheelF                   | os_HwDeg_f32              |          |
| $target\_Rte\_Inst\_Ap\_EOTActuatorMng\_EOTActuatorMng\_Per1\_HwTorque\_HwNm\_f$  | target_EOTActuatorMng_Per1_HwTorque_HwNm_f32            |                           |          |
| target_Rte_Inst_Ap_EOTActuatorMng.EOTActuatorMng_Per1_MotorVel_MtrRadpS   | target_EOTActuatorMng_Per1_MotorVel_MtrRadpS_f32        |                           |          |
| $target\_Rte\_Inst\_Ap\_EOTActuatorMng\_EOTActuatorMng\_Per1\_OutputRampMultLtd\_Inst\_Ap\_EOTActuatorMng\_Per1\_OutputRampMultLtd\_Inst\_Ap\_EOTActuatorMng\_Per1\_OutputRampMultLtd\_Inst\_Ap\_EOTActuatorMng\_Per1\_OutputRampMultLtd\_Inst\_Ap\_EOTActuatorMng\_Per1\_OutputRampMultLtd\_Inst\_Ap\_EOTActuatorMng\_Per1\_OutputRampMultLtd\_InstAp\_EOTActuatorMng\_Per1\_Outpu$                      | target_EOTActuatorMng_Per1_OutputRamp                   | MultLtd_Uls_f32           |          |
| target_Rte_Inst_Ap_EOTActuatorMng.EOTActuatorMng_Per1_VehicleSpeed_Kph_   | target_EOTActuatorMng_Per1_VehicleSpee                  | d_Kph_f32                 |          |
| Name  | Actual Value  | Expected Value            | Result   |
| EOTActuatorMng_Damping_MtrNm_M_f32  | 11.2000008  | 11.1999998 ± 0.0000390625 | ~        |
| EOTActuatorMng_EOTImpactPos_HwDeg_M_f32   | 1440.10999  | 1440.10999 ± 0.0000390625 | <b>✓</b> |
| EOTActuatorMng_FiltEOTGainSV_HwNm_M_u1p31   | 2147483648  | 2147483648 ± 1            | ~        |
| EOTActuatorMng_FiltHWTrqSV_HwNm_M_s7p24   | 167772160   | 167772160 ± 1             | ~        |
| EOTActuatorMng_OutputRampMultLtd_M_f32  | 0.912999988   | 0.912999988 ± 0.00390625  | ~        |
| EOTActuatorMng_PrevEOTGain_Uls_M_f32  | 1   | 1 ± 0.0625                | ~        |
| EOTActuatorMng_SESState_Uls_M_enum  | SES_DISABLED  | SES_DISABLED              | <b>✓</b> |

| T  |       |  |       | ~        |
|--|-------|--|-------|----------|
| Actual Function                                    | Count | Expected Function                                  | Count | Result   |
| Rte_Call_EOTActuatorMng_Per1_CP0_CheckpointReached | 1     | Rte_Call_EOTActuatorMng_Per1_CP0_CheckpointReached | 1     | ~        |
| EOTDetermination                                   | 1     | EOTDetermination                                   | 1     | ~        |
| SES_DetLmtPos                                      | 1     | SES_DetLmtPos                                      | 1     | ~        |
| SES_CalcExitGain                                   | 1     | SES_CalcExitGain                                   | 1     | <b>~</b> |
| IntplVarXY_u16_u16Xu16Y_Cnt                        | 1     | IntplVarXY_u16_u16Xu16Y_Cnt                        | 1     | <b>~</b> |
| SES_CalcEnterGain                                  | 1     | SES_CalcEnterGain                                  | 1     | <b>~</b> |
| BilinearXMYM_u16_u16XMu16YM_Cnt                    | 1     | BilinearXMYM_u16_u16XMu16YM_Cnt                    | 1     | <b>~</b> |
| SES_CalcEOTGain                                    | 1     | SES_CalcEOTGain                                    | 1     | <b>~</b> |
| SES_FiltEOTGain                                    | 1     | SES_FiltEOTGain                                    | 1     | ~        |
| SES_CalcEOTDamp                                    | 1     | SES_CalcEOTDamp                                    | 1     | <b>~</b> |
| BilinearXMYM_u16_u16XMu16YM_Cnt                    | 1     | BilinearXMYM_u16_u16XMu16YM_Cnt                    | 1     | ~        |
| SES_StateCtrl                                      | 1     | SES_StateCtrl                                      | 1     | ~        |
| Rte_Call_EOTActuatorMng_Per1_CP1_CheckpointReached | 1     | Rte_Call_EOTActuatorMng_Per1_CP1_CheckpointReached | 1     | ~        |

8.80000019

8.80000019

 $target\_EOTActuatorMng\_Per1\_AssistEOTDamping\_MtrNm\_f32.value$ 

 $target\_EOTActuatorMng\_Per1\_AssistEOTGain\_Uls\_f32.value$ 

 $target\_EOTActuatorMng\_Per1\_AssistEOTLimit\_MtrNm\_f32.value$ 



**EPORT** 015-06- 9, 1 : 9:50+05 0



 Project
 EOTActuatorMng

 Module
 EOTActuatorMng

 Test Object
 SES\_CalcEOTDamp

#### Instrumentation: Test Object Only

| Statement (C0) Coverage | 100 % |
|-------------------------|-------|
| Decision Coverage       | 100 % |
| Branch (C1) Coverage    | 100 % |
| MCC Coverage            | 100 % |
| MC/DC Coverage          | 100 % |

#### **Statistics**

| Total Testcases | 3 |
|-----------------|---|
|                 |   |

TEST DE



| Attributes       |  |
|------------------|--|
| Name             | Value  |
| Timer Enabled    | false  |
| Timer Prescale   | 0  |
| Timer Resolution |  |
| UDE Config File  | \$(PROJECTROOT)\UnitTestEnv\config\TMS570_UDE_12PIN_JTAG.cfg                                   |
| Workspace File   | D:\Synergy_Work_Area\CBD_EOTActuatorMng\EOTActuatorMng\UnitTestEnv\config\UDE_TMS570_DEBUG.WSP |





#### **Test Case 1: Metrics Test**

Performance Metrics (With "None" Instrumentation and WithPS Environment)
CPU Cycles: Specification

TS1.1 46 cycles TS1.2 541 cycles

Description Vector Description

TS1.1"Shortest Execution Path:
(SESState\_Uls\_M\_enum = SES\_DISABLED)=True"
TS1.2"Longest Execution Path:
(HandWheelPos4\_HwDeg\_T\_f32 < D\_ZERO\_ULS\_F32)=True and

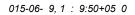
(SESState\_Uls\_M\_enum = SES\_EXITING)=False"

| Test Step 1.1 (Repeat Count = 1)              |              |                            | ✓        |
|---|--------------|----------------------------|----------|
| Name  | Input Value  |                            |          |
| CcwEOT_HwDeg_T_f32                            | -555.299988  |                            |          |
| CwEOT_HwDeg_T_f32                             | 777.799988   |                            |          |
| EOTActuatorMng_Damping_MtrNm_M_f32            | -8.80000019  |                            |          |
| EOTActuatorMng_SESState_Uls_M_enum            | SES_DISABLED |                            |          |
| HandWheelPos_HwDeg_T_f32                      | -1100.30005  |                            |          |
| MotorVel_MtrRadpS_T_f32                       | 770.700012   |                            |          |
| VehicleSpeed_Kph_T_f32                        | 188.300003   |                            |          |
| k_EOTPosDepDempFinalSlew_MtrNmpS_T_f32        | 0            |                            |          |
| t2_EOTExPosDepDmpTblY_MtrNmpRadps_u0p16[0][0] | 0            |                            |          |
| t2_EOTExPosDepDmpTblY_MtrNmpRadps_u0p16[0][1] | 256          |                            |          |
| t2_EOTExPosDepDmpTblY_MtrNmpRadps_u0p16[1][0] | 154          |                            |          |
| t2_EOTExPosDepDmpTblY_MtrNmpRadps_u0p16[1][1] | 512          |                            |          |
| t2_EOTExPosDepDmpTblY_MtrNmpRadps_u0p16[2][0] | 94           |                            |          |
| t2_EOTExPosDepDmpTblY_MtrNmpRadps_u0p16[2][1] | 305          |                            |          |
| t2_EOTExPosDepDmpTblY_MtrNmpRadps_u0p16[3][0] | 160          |                            |          |
| t2_EOTExPosDepDmpTblY_MtrNmpRadps_u0p16[3][1] | 224          |                            |          |
| t2_EOTPosDepDmpTblX_HwDeg_u12p4[0][0]         | 320          |                            |          |
| t2_EOTPosDepDmpTblX_HwDeg_u12p4[0][1]         | 0            |                            |          |
| t2_EOTPosDepDmpTblX_HwDeg_u12p4[1][0]         | 560          |                            |          |
| t2_EOTPosDepDmpTblX_HwDeg_u12p4[1][1]         | 720          |                            |          |
| t2_EOTPosDepDmpTbIX_HwDeg_u12p4[2][0]         | 1760         |                            |          |
| t2_EOTPosDepDmpTblX_HwDeg_u12p4[2][1]         | 3520         |                            |          |
| t2_EOTPosDepDmpTblX_HwDeg_u12p4[3][0]         | 5600         |                            |          |
| t2_EOTPosDepDmpTblX_HwDeg_u12p4[3][1]         | 4800         |                            |          |
| t2_EOTPosDepDmpTblY_MtrNmpRadpS_u0p16[0][0]   | 0            |                            |          |
| t2_EOTPosDepDmpTblY_MtrNmpRadpS_u0p16[0][1]   | 128          |                            |          |
| t2_EOTPosDepDmpTblY_MtrNmpRadpS_u0p16[1][0]   | 146          |                            |          |
| t2_EOTPosDepDmpTblY_MtrNmpRadpS_u0p16[1][1]   | 416          |                            |          |
| t2_EOTPosDepDmpTblY_MtrNmpRadpS_u0p16[2][0]   | 305          |                            |          |
| t2_EOTPosDepDmpTblY_MtrNmpRadpS_u0p16[2][1]   | 640          |                            |          |
| t2_EOTPosDepDmpTblY_MtrNmpRadpS_u0p16[3][0]   | 93           |                            |          |
| t2_EOTPosDepDmpTblY_MtrNmpRadpS_u0p16[3][1]   | 448          |                            |          |
| t_EOTDmpVspd_Kph_u9p7[0]                      | 0            |                            |          |
| t_EOTDmpVspd_Kph_u9p7[1]                      | 640          |                            |          |
| t_EOTDmpVspd_Kph_u9p7[2]                      | 1280         |                            |          |
| t_EOTDmpVspd_Kph_u9p7[3]                      | 2560         |                            |          |
| Name  | Actual Value | Expected Value             | Result   |
| EOTActuatorMng_Damping_MtrNm_M_f32            | -8.80000019  | -8.80000019 ± 0.0000390625 | ~        |
| SES_CalcEOTDamp()                             | -8.80000019  | -8.80000019                | <b>~</b> |

| T               |       |                          |       | <b>✓</b> |
|-----------------|-------|--------------------------|-------|----------|
| Actual Function | Count | Expected Function        | Count | Result   |
| *none*          | 0     | *** No Call Expected *** | 0     | ~        |

| Test Step 1.2 (Repeat Count = 1)   |             | <b>✓</b> |
|------------------------------------|-------------|----------|
| Name                               | Input Value |          |
| CcwEOT_HwDeg_T_f32                 | 0           |          |
| CwEOT_HwDeg_T_f32                  | 0           |          |
| EOTActuatorMng_Damping_MtrNm_M_f32 | 8.80000019  |          |
| EOTActuatorMng_SESState_Uls_M_enum | SES_NORMAL  |          |
| HandWheelPos_HwDeg_T_f32           | -400.399994 |          |
| MotorVel_MtrRadpS_T_f32            | 805.200012  |          |
| VehicleSpeed_Kph_T_f32             | 111.699997  |          |







| Name  | Input Value  |                          |        |
|---|--------------|--------------------------|--------|
| k_EOTPosDepDempFinalSlew_MtrNmpS_T_f32        | 1200         |                          |        |
| t2_EOTExPosDepDmpTblY_MtrNmpRadps_u0p16[0][0] | 0            |                          |        |
| t2_EOTExPosDepDmpTblY_MtrNmpRadps_u0p16[0][1] | 256          |                          |        |
| t2_EOTExPosDepDmpTblY_MtrNmpRadps_u0p16[1][0] | 154          |                          |        |
| t2_EOTExPosDepDmpTblY_MtrNmpRadps_u0p16[1][1] | 512          |                          |        |
| t2_EOTExPosDepDmpTblY_MtrNmpRadps_u0p16[2][0] | 94           |                          |        |
| t2_EOTExPosDepDmpTblY_MtrNmpRadps_u0p16[2][1] | 305          |                          |        |
| t2_EOTExPosDepDmpTblY_MtrNmpRadps_u0p16[3][0] | 160          |                          |        |
| t2_EOTExPosDepDmpTblY_MtrNmpRadps_u0p16[3][1] | 224          |                          |        |
| t2_EOTPosDepDmpTbIX_HwDeg_u12p4[0][0]         | 0            |                          |        |
| t2_EOTPosDepDmpTbIX_HwDeg_u12p4[0][1]         | 16           |                          |        |
| t2_EOTPosDepDmpTbIX_HwDeg_u12p4[1][0]         | 32           |                          |        |
| t2_EOTPosDepDmpTblX_HwDeg_u12p4[1][1]         | 64           |                          |        |
| t2_EOTPosDepDmpTblX_HwDeg_u12p4[2][0]         | 48           |                          |        |
| t2_EOTPosDepDmpTblX_HwDeg_u12p4[2][1]         | 80           |                          |        |
| t2_EOTPosDepDmpTblX_HwDeg_u12p4[3][0]         | 96           |                          |        |
| t2_EOTPosDepDmpTblX_HwDeg_u12p4[3][1]         | 112          |                          |        |
| t2_EOTPosDepDmpTblY_MtrNmpRadpS_u0p16[0][0]   | 0            |                          |        |
| t2_EOTPosDepDmpTblY_MtrNmpRadpS_u0p16[0][1]   | 128          |                          |        |
| t2_EOTPosDepDmpTblY_MtrNmpRadpS_u0p16[1][0]   | 146          |                          |        |
| t2_EOTPosDepDmpTblY_MtrNmpRadpS_u0p16[1][1]   | 416          |                          |        |
| t2_EOTPosDepDmpTblY_MtrNmpRadpS_u0p16[2][0]   | 305          |                          |        |
| t2_EOTPosDepDmpTblY_MtrNmpRadpS_u0p16[2][1]   | 640          |                          |        |
| t2_EOTPosDepDmpTblY_MtrNmpRadpS_u0p16[3][0]   | 93           |                          |        |
| t2_EOTPosDepDmpTblY_MtrNmpRadpS_u0p16[3][1]   | 448          |                          |        |
| t_EOTDmpVspd_Kph_u9p7[0]                      | 0            |                          |        |
| t_EOTDmpVspd_Kph_u9p7[1]                      | 640          |                          |        |
| t_EOTDmpVspd_Kph_u9p7[2]                      | 1280         |                          |        |
| t_EOTDmpVspd_Kph_u9p7[3]                      | 2560         |                          |        |
| Name  | Actual Value | Expected Value           | Result |
| EOTActuatorMng_Damping_MtrNm_M_f32            | 6.4000001    | 6.4000001 ± 0.0000390625 | ~      |
| SES_CalcEOTDamp()                             | 6.4000001    | 6.4000001                | ~      |
|   |              |                          |        |

| T                               |       |                                 |       | <b>✓</b> |
|---------------------------------|-------|---------------------------------|-------|----------|
| Actual Function                 | Count | Expected Function               | Count | Result   |
| BilinearXMYM_u16_u16XMu16YM_Cnt | 1     | BilinearXMYM_u16_u16XMu16YM_Cnt | 1     | ~        |





#### **Test Case 2: Boundary Test**

```
Specification
```

```
Performance Metrics (With "None" Instrumentation and WithPS Environment)
CPU Cycles:

TS2.1 454 cycles
TS2.2 455 cycles
TS2.3 454 cycles
TS2.3 454 cycles
TS2.5 542 cycles
TS2.5 542 cycles
TS2.5 542 cycles
TS2.7 555 cycles
TS2.7 555 cycles
TS2.8 459 cycles
TS2.10 555 cycles
TS2.10 555 cycles
TS2.11 555 cycles
TS2.12 470 cycles
TS2.13 470 cycles
TS2.13 470 cycles
TS2.14 470 cycles
TS2.13 470 cycles
TS2.14 470 cycles
TS2.15 553 cycles
TS2.16 470 cycles
TS2.17 553 cycles
TS2.18 470 cycles
TS2.18 470 cycles
TS2.19 470 cycles
TS2.19 470 cycles
TS2.2 554 cycles
TS2.2 555 cycles
TS2.2 18 470 cycles
TS2.2 54 cycles
TS2.2 555 cycles
TS2.2 555 cycles
TS2.2 555 cycles
TS2.2 467 cycles
TS2.2 470 cycles
TS2.2 555 cycles
TS2.3 470 cycles
TS2.3 470 cycles
TS2.3 470 cycles
TS2.3 555 cycles
TS2.4 555 cycles
```

#### Description

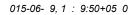
#### Vector Description

```
TS2.1CwEOT2_HwDeg_T_f32 min
TS2.2CwEOT2_HwDeg_T_f32 max
TS2.3CwEOT2_HwDeg_T_f32 pos
 TS2.4CcwEOT2_HwDeg_T_f32 min
TS2.5CcwEOT2_HwDeg_T_f32 max
TS2.6CcwEOT2_HwDeg_T_f32 mid
TS2.7CcwEOT2_HwDeg_T_f32 neg
 TS2.8VehicleSpeed1_Kph_T_f32 min
TS2.9VehicleSpeed1_Kph_T_f32 max
TS2.10VehicleSpeed1_Kph_T_f32 pos
 TS2.11HandWheelPos4_HwDeg_T_f32 min TS2.12HandWheelPos4_HwDeg_T_f32 max
 TS2.13HandWheelPos4_HwDeg_T_f32 zero
 TS2.14HandWheelPos4_HwDeg_T_f32 pos
TS2.15HandWheelPos4_HwDeg_T_f32 neg
TS2.16MotorVel_MtrRadpS1_T_f32 min
 TS2.17MotorVel_MtrRadpS1_T_f32 max
TS2.18MotorVel_MtrRadpS1_T_f32 zero
TS2.19MotorVel_MtrRadpS1_T_f32 pos
 TS2.20MotorVel_MtrRadpS1_T_f32 pos
 TS2.21SESState_Uls_M_enum min
TS2.22SESState_Uls_M_enum =1
  TS2.23SESState_Uls_M_enum =2
 TS2.24SESState_Uls_M_enum max
TS2.25t2_EOTPosDepDmpTblX_HwDeg_u12p4[2] min
TS2.26t2_EOTPosDepDmpTblX_HwDeg_u12p4[2] max
 TS2.27t2_EOTPosDepDmpTbIX_HwDeg_u12p4[2] mid TS2.28t_EOTDmpVspd_Kph_u9p7[4] min
  TS2.29t_EOTDmpVspd_Kph_u9p7[4] max
TS2.29t_EOTDmpVspd_Kph_u9p7[4] max
TS2.30t_EOTDmpVspd_Kph_u9p7[4] mid
TS2.31t2_EOTPosDepDmpTblY_MtrNmpRadpS_u0p16[2] min
TS2.32t2_EOTPosDepDmpTblY_MtrNmpRadpS_u0p16[2] max
TS2.33t2_EOTPosDepDmpTblY_MtrNmpRadpS_u0p16[2] mid
TS2.34t2_EOTExPosDepDmpTblY_MtrNmpRadps_u0p16[2] min
TS2.35t2_EOTExPosDepDmpTblY_MtrNmpRadps_u0p16[2] min
TS2.35t2_EOTExPosDepDmpTblY_MtrNmpRadps_u0p16[2] max
TS2.36t2_EOTExPosDepDmpTblY_MtrNmpRadps_u0p16[2] mid
TS2.37k_EOTPosDepDempFinalSlew_MtrNmpS_T_f32 min
TS2.38k_EOTPosDepDempFinalSlew_MtrNmpS_T_f32 pos/default
TS2.40k_EOTPosDepDempFinalSlew_MtrNmpS_T_f32 pos/default
 TS2.40k_EOTPosDepDempFinalSlew_MtrNmpS_T_f32 mid TS2.41EOTActuatorMng_Damping_MtrNm_M_f32 min TS2.42EOTActuatorMng_Damping_MtrNm_M_f32 max
 TS2.43EOTActuatorMng_Damping_MtrNm_M_f32 0 TS2.44EOTActuatorMng_Damping_MtrNm_M_f32 neg
 TS2.45EOTActuatorMng_Damping_MtrNm_M_f32 pos
 TS2.46All min
```

TS2.47All max



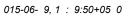
TEST DE





| Name   | Test Step 2.1 (Repeat Count = 1)            |                                       | 9 |
|--|---|---------------------------------------|---|
| CwEOT_HwDeg_T_I32  |   | Input Value                           |   |
| CWEOT_HWDeg_T_I32         -8.0000019           EOTAcutarofMng_Damping_MtrNm_M_I32         -8.0000019           EOTAcutarofMng_SESState_Us_M_enum         SES_ENTERING           Hand/MheelPos_HWDeg_T_I32         400.385997           MotorVel_MtrRadps_T_I32         805.580017           VehicleSpeed_Kph_T_I32         100.457001           K_EOTPosDepDempFlasiSew_MtrNmpS_T_J32         0           2_EOTEX-PosDepDmpTbY_MtrNmpRadps_uop160[0]         76           12_EOTEX-PosDepDmpTbY_MtrNmpRadps_uop160[0]         77           12_EOTEX-PosDepDmpTbY_MtrNmpRadps_uop161[1]         108           12_EOTEX-PosDepDmpTbY_MtrNmpRadps_uop161[2][0]         77           12_EOTEX-PosDepDmpTbY_MtrNmpRadps_uop161[2][0]         77           12_EOTEX-PosDepDmpTbY_MtrNmpRadps_uop161[2][0]         77           12_EOTEX-PosDepDmpTbY_MtrNmpRadps_uop161[2][0]         32           12_EOTEX-PosDepDmpTbY_MtrNmpRadps_uop161[2][0]         44           12_EOTPS-PosDepDmpTbY_MtrNmpRadps_uop161[3][0]         44           12_EOTPosDepDmpTbX_HwDeg_u12p4[1][0]         80           12_EOTPosDepDmpTbX_HwDeg_u12p4[1][0]         112           12_EOTPosDepDmpTbX_HwDeg_u12p4[2][0]         112           12_EOTPosDepDmpTbX_HwDeg_u12p4[3][0]         114           12_EOTPosDepDmpTbX_HwDeg_u12p4[3][0]         114           <   |   | · · · · · · · · · · · · · · · · · · · |   |
| EOTActustorMing_Damping_MitrNin_ML/f32   |   |                                       |   |
| EOTActustorMng_SESState_Uls_M_enum   | _ 0   |                                       |   |
| HandWheelPos_HwBeg_T_f32   |   |                                       |   |
| MotorVel_MtrRadpS_T_132  | •   | _                                     |   |
| VehicleSpeed_Kph_T_i32         100.457001           k_EOTPosbepDempFinalSikew_MtrNmpS_T_i32         0           12_EOTEXPosbepDmpTblY_MtrNmpRadps_u0p16[0][1]         108           12_EOTEXPosbepDmpTblY_MtrNmpRadps_u0p16[0][1]         108           12_EOTEXPosbepDmpTblY_MtrNmpRadps_u0p16[1][1]         108           12_EOTEXPosbepDmpTblY_MtrNmpRadps_u0p16[2][0]         77           12_EOTEXPosbepDmpTblY_MtrNmpRadps_u0p16[2][0]         77           12_EOTEXPosbepDmpTblY_MtrNmpRadps_u0p16[3][0]         32           12_EOTEXPosbepDmpTblY_MtrNmpRadps_u0p16[3][0]         32           12_EOTEXPosbepDmpTblY_MtrNmpRadps_u0p16[3][1]         44           12_EOTPosbepDmpTblX_HwDeg_u12p40[0]         64           12_EOTPosbepDmpTblX_HwDeg_u12p40[0]         80           12_EOTPosbepDmpTblX_HwDeg_u12p41[1]         160           12_EOTPosbepDmpTblX_HwDeg_u12p41[1]         160           12_EOTPosbepDmpTblX_HwDeg_u12p41[1]         114           12_EOTPosbepDmpTblX_HwDeg_u12p4[1][1]         114           12_EOTPosbepDmpTblX_HwDeg_u12p4[3][1]         1920           12_EOTPosbepDmpTblY_MtrNmpRadpS_u0p16[0][0]         1           12_EOTPosbepDmpTblY_MtrNmpRadpS_u0p16[0][0]         1           12_EOTPosbepDmpTblY_MtrNmpRadpS_u0p16[2][0]         37           12_EOTPosbepDmpTblY_MtrNmpRadpS_u0p16[2][0]         62  | _ 0   |                                       |   |
| k_EOTPosDepDempFinalSiew_MtrNmpS_T_f32         0           12_EOTEXPosDepDmpThY_MtrNmpRadps_u0p16[0][0]         76           12_EOTEXPosDepDmpThY_MtrNmpRadps_u0p16[0][1]         108           12_EOTEXPosDepDmpThY_MtrNmpRadps_u0p16[1][0]         77           12_EOTEXPosDepDmpThY_MtrNmpRadps_u0p16[2][0]         77           12_EOTEXPosDepDmpThY_MtrNmpRadps_u0p16[2][0]         77           12_EOTEXPosDepDmpThY_MtrNmpRadps_u0p16[2][0]         32           12_EOTEXPosDepDmpThY_MtrNmpRadps_u0p16[3][0]         32           12_EOTEXPosDepDmpThY_MtrNmpRadps_u0p16[3][0]         44           12_EOTPOSDepDmpThY_MtrNmpRadps_u0p16[3][0]         64           12_EOTPosDepDmpTbM_Hobeg_u12p4[0][0]         64           12_EOTPosDepDmpTbM_Hobeg_u12p4[0][0]         80           12_EOTPosDepDmpTbM_Hobeg_u12p4[1][1]         160           12_EOTPosDepDmpTbM_Hobeg_u12p4[2][0]         112           12_EOTPosDepDmpTbM_Hobeg_u12p4[3][1]         114           12_EOTPosDepDmpTbM_Hobeg_u12p4[3][1]         1920           12_EOTPosDepDmpTbM_Hobeg_u12p4[3][1]         1920           12_EOTPosDepDmpTbM_MtrNmpRadpS_u0p16[0][0]         1           12_EOTPosDepDmpTbM_MtrNmpRadpS_u0p16[0][0]         1           12_EOTPosDepDmpTbM_MtrNmpRadpS_u0p16[0][0]         37           12_EOTPosDepDmpTbM_MtrNmpRadpS_u0p16[2][1]         87   | ·   |                                       |   |
| 12_EOTEXPOSDepDmpTblY_MtrNmpRadps_u0p16[0][0]   76   |   |                                       |   |
| 12_EOTExPosDepDmpTblY_MtrNmpRadps_u0p16[0][1]   108     2_EOTExPosDepDmpTblY_MtrNmpRadps_u0p16[1][0]   77     2_EOTExPosDepDmpTblY_MtrNmpRadps_u0p16[2][0]   77     2_EOTExPosDepDmpTblY_MtrNmpRadps_u0p16[2][1]   108     2_EOTExPosDepDmpTblY_MtrNmpRadps_u0p16[2][1]   108     2_EOTExPosDepDmpTblY_MtrNmpRadps_u0p16[2][1]   108     2_EOTExPosDepDmpTblY_MtrNmpRadps_u0p16[2][1]   44     2_EOTExPosDepDmpTblX_HwDeg_u12p4[0][0]   64     2_EOTPosDepDmpTblX_HwDeg_u12p4[0][0]   80     2_EOTExPosDepDmpTblX_HwDeg_u12p4[1][0]   80     2_EOTPosDepDmpTblX_HwDeg_u12p4[1][1]   112     2_EOTPosDepDmpTblX_HwDeg_u12p4[1][1]   114     2_EOTPosDepDmpTblX_HwDeg_u12p4[2][0]   112     2_EOTPosDepDmpTblX_HwDeg_u12p4[2][0]   114     2_EOTPosDepDmpTblX_HwDeg_u12p4[3][1]   1920     2_EOTPosDepDmpTblX_HwDeg_u12p4[3][1]   1920     2_EOTPosDepDmpTblY_MtrNmpRadpS_u0p16[0][0]   1     2_EOTPosDepDmpTblY_MtrNmpRadpS_u0p16[0][0]   1     2_EOTPosDepDmpTblY_MtrNmpRadpS_u0p16[0][0]   1     2_EOTPosDepDmpTblY_MtrNmpRadpS_u0p16[0][1]   44     2_EOTPosDepDmpTblY_MtrNmpRadpS_u0p16[0][1]   44     2_EOTPosDepDmpTblY_MtrNmpRadpS_u0p16[0][1]   49     2_EOTPosDepDmpTblY_MtrNmpRadpS_u0p16[0][1]   194     2_EOTPosDepDmpTblY_MtrNmpRadpS_u0p16[2][0]   62     2_EOTPosDepDmpTblY_MtrNmpRadpS_u0p16[2][0]   62     2_EOTPosDepDmpTblY_MtrNmpRadpS_u0p16[3][0]   10     2_EOTPosDepDmpTblY_MtrNmpRadpS_u0p16[3][0]   10     2_EOTPosDepDmpTblY_MtrNmpRadpS_u0p16[3][1]   452     2_EOTPosDepDmpTblY_MtrNmpRadpS_u0p16[3][1]   452     2_EOTPosDepDmpTblY_MtrNmpRadpS_u0p16[3][1]   452     2_EOTTposDepDmpTblY_MtrNmpRadpS_u0p16[3][1]   452     2_EOTTposDepDmpTblY_ | ·   |                                       |   |
| 12_EOTExPosDepDmpTblY_MtrNmpRadps_uop16[1][0]   77   |   | 108                                   |   |
| 12_EOTExPosDepDmpTblY_MtrNmpRadps_u0p16[1][1]   108     12_EOTExPosDepDmpTblY_MtrNmpRadps_u0p16[2][0]   77     12_EOTExPosDepDmpTblY_MtrNmpRadps_u0p16[2][1]   108     12_EOTExPosDepDmpTblY_MtrNmpRadps_u0p16[3][0]   32     12_EOTExPosDepDmpTblY_MtrNmpRadps_u0p16[3][1]   44     12_EOTExPosDepDmpTblX_HwDeg_u12p4[0][0]   64     12_EOTPosDepDmpTblX_HwDeg_u12p4[0][0]   80     12_EOTPosDepDmpTblX_HwDeg_u12p4[1][0]   80     12_EOTPosDepDmpTblX_HwDeg_u12p4[1][0]   112     12_EOTPosDepDmpTblX_HwDeg_u12p4[2][0]   112     12_EOTPosDepDmpTblX_HwDeg_u12p4[2][0]   114     12_EOTPosDepDmpTblX_HwDeg_u12p4[3][0]   114     12_EOTPosDepDmpTblX_HwDeg_u12p4[3][0]   114     12_EOTPosDepDmpTblX_HwDeg_u12p4[3][0]   114     12_EOTPosDepDmpTblX_HwDeg_u12p4[3][0]   114     12_EOTPosDepDmpTblY_MtrNmpRadps_u0p16[0][0]   1     12_EOTPosDepDmpTblY_MtrNmpRadps_u0p16[0][0]   1     12_EOTPosDepDmpTblY_MtrNmpRadps_u0p16[0][1]   44     12_EOTPosDepDmpTblY_MtrNmpRadps_u0p16[1][1]   194     12_EOTPosDepDmpTblY_MtrNmpRadps_u0p16[1][1]   194     12_EOTPosDepDmpTblY_MtrNmpRadps_u0p16[2][0]   62     12_EOTPosDepDmpTblY_MtrNmpRadps_u0p16[3][1]   452     12_EOTPosDepDmpTblY_MtrNmpRadps_u0p16[3][1]   452     12_EOTPosDepDmpTblY_MtrNmpRadps_u0p16[3][1]   452     12_EOTTposVpd_Kph_u9p7[1]   640     1_EOTTpmpVpd_Kph_u9p7[1]   640     1_EOTTpmpVpd_Kph_u9p7[1]   640     1_EOTTpmpVpd_Kph_u9p7[2]   1408  |   |                                       |   |
| 12_EOTEXPOSDepDmpTblY_MtrNmpRadps_u0p16[2][0]   77    2_EOTEXPOSDepDmpTblY_MtrNmpRadps_u0p16[2][1]   108    2_EOTEXPOSDepDmpTblY_MtrNmpRadps_u0p16[3][1]   44    2_EOTEXPOSDepDmpTblY_MtrNmpRadps_u0p16[3][1]   44    2_EOTEXPOSDepDmpTblX_HwDeg_u12p4[0][0]   64    2_EOTEXPOSDepDmpTblX_HwDeg_u12p4[0][0]   80    2_EOTEXPOSDepDmpTblX_HwDeg_u12p4[1][0]   112    2_EOTPOSDepDmpTblX_HwDeg_u12p4[1][1]   160    2_EOTPOSDepDmpTblX_HwDeg_u12p4[2][0]   112    2_EOTPOSDepDmpTblX_HwDeg_u12p4[2][0]   114    2_EOTPOSDepDmpTblX_HwDeg_u12p4[2][0]   114    2_EOTPOSDepDmpTblX_HwDeg_u12p4[3][0]   114    2_EOTPOSDepDmpTblX_HwDeg_u12p4[3][0]   11920    2_EOTPOSDepDmpTblX_HwDeg_u12p4[3][0]   1    2_EOTPOSDepDmpTblX_HwDeg_u12p4[3][0]   1    2_EOTPOSDepDmpTblX_HwDeg_u12p4[3][0]   1    2_EOTPOSDepDmpTblX_HwThmpRadpS_u0p16[0][0]   1    2_EOTPOSDepDmpTblY_MtrNmpRadpS_u0p16[0][0]   37    2_EOTPOSDepDmpTblY_MtrNmpRadpS_u0p16[1][0]   37    2_EOTPOSDepDmpTblY_MtrNmpRadpS_u0p16[1][0]   62    2_EOTPOSDepDmpTblY_MtrNmpRadpS_u0p16[2][0]   62    2_EOTPOSDepDmpTblY_MtrNmpRadpS_u0p16[3][0]   10    2_EOTPOSDepDmpTblY_MtrNmpRadpS_u0p16[3][0]   10    2_EOTPOSDepDmpTblY_MtrNmpRadpS_u0p16[3][0]   10    2_EOTPOSDepDmpTblY_MtrNmpRadpS_u0p16[3][0]   10    2_EOTPOSDepDmpTblY_MtrNmpRadpS_u0p16[3][0]   452    LEOTDmpVspd_Kph_usp7[0]   640    LEOTDmpVspd_Kph_usp7[1]   640   |   | 108                                   |   |
| t2_EOTEXPOSDepDmpTblY_MtrNmpRadps_u0p16[2][1]       108         t2_EOTEXPOSDepDmpTblY_MtrNmpRadps_u0p16[3][0]       32         t2_EOTEXPOSDepDmpTblY_MtrNmpRadps_u0p16[3][1]       44         t2_EOTPoSDepDmpTblX_HwDeg_u12p4[0][0]       64         t2_EOTPoSDepDmpTblX_HwDeg_u12p4[0][1]       112         t2_EOTPoSDepDmpTblX_HwDeg_u12p4[1][0]       80         t2_EOTPoSDepDmpTblX_HwDeg_u12p4[2][0]       112         t2_EOTPoSDepDmpTblX_HwDeg_u12p4[2][0]       112         t2_EOTPoSDepDmpTblX_HwDeg_u12p4[3][0]       114         t2_EOTPoSDepDmpTblX_HwDeg_u12p4[3][0]       114         t2_EOTPoSDepDmpTblX_HwDeg_u12p4[3][1]       1920         t2_EOTPoSDepDmpTblY_MtrNmpRadpS_u0p16[0][0]       1         t2_EOTPoSDepDmpTblY_MtrNmpRadpS_u0p16[0][0]       1         t2_EOTPoSDepDmpTblY_MtrNmpRadpS_u0p16[1][1]       37         t2_EOTPoSDepDmpTblY_MtrNmpRadpS_u0p16[1][1]       194         t2_EOTPosDepDmpTblY_MtrNmpRadpS_u0p16[2][0]       62         t2_EOTPosDepDmpTblY_MtrNmpRadpS_u0p16[3][0]       62         t2_EOTPosDepDmpTblY_MtrNmpRadpS_u0p16[3][0]       10         t2_EOTPosDepDmpTblY_MtrNmpRadpS_u0p16[3][0]       10         t2_EOTPosDepDmpTblY_MtrNmpRadpS_u0p16[3][0]       10         t2_EOTPosDepDmpTblY_MtrNmpRadpS_u0p16[3][0]       0         t2_EOTDmpVspd_Kph_u9p7[0]   |   |                                       |   |
| 12_EOTEXPosDepDmpTblY_MtrNmpRadps_u0p16[3][0]   32     12_EOTEXPosDepDmpTblY_MtrNmpRadps_u0p16[3][1]   44     12_EOTPosDepDmpTblX_HwDeg_u12p4[0][0]   64     12_EOTPosDepDmpTblX_HwDeg_u12p4[0][1]   112     12_EOTPosDepDmpTblX_HwDeg_u12p4[1][0]   80     12_EOTPosDepDmpTblX_HwDeg_u12p4[1][1]   160     12_EOTPosDepDmpTblX_HwDeg_u12p4[2][0]   112     12_EOTPosDepDmpTblX_HwDeg_u12p4[2][1]   114     12_EOTPosDepDmpTblX_HwDeg_u12p4[2][1]   114     12_EOTPosDepDmpTblX_HwDeg_u12p4[3][0]   114     12_EOTPosDepDmpTblX_HwDeg_u12p4[3][1]   1920     12_EOTPosDepDmpTblY_MtrNmpRadpS_u0p16[0][0]   1     12_EOTPosDepDmpTblY_MtrNmpRadpS_u0p16[0][0]   1     12_EOTPosDepDmpTblY_MtrNmpRadpS_u0p16[0][1]   44     12_EOTPosDepDmpTblY_MtrNmpRadpS_u0p16[1][0]   37     12_EOTPosDepDmpTblY_MtrNmpRadpS_u0p16[1][1]   194     12_EOTPosDepDmpTblY_MtrNmpRadpS_u0p16[2][0]   62     12_EOTPosDepDmpTblY_MtrNmpRadpS_u0p16[2][0]   62     12_EOTPosDepDmpTblY_MtrNmpRadpS_u0p16[3][0]   10     12_EOTPosDepDmpTblY_MtrNmpRadpS_u0p16[3][0]   10     12_EOTPosDepDmpTblY_MtrNmpRadpS_u0p16[3][1]   452     12_EOTPosDepDmpTblY_MtrNmpRadpS_u0p16[3][1]   452     14_EOTDmpVspd_Kph_u9p7[0]   640     1_EOTDmpVspd_Kph_u9p7[2]   1408   |   | 108                                   |   |
| t2_EOTPosDepDmpTblX_HwDeg_u12p4{0}[0]       64         t2_EOTPosDepDmpTblX_HwDeg_u12p4{0}[1]       112         t2_EOTPosDepDmpTblX_HwDeg_u12p4{1}[10]       80         t2_EOTPosDepDmpTblX_HwDeg_u12p4{1}[11]       160         t2_EOTPosDepDmpTblX_HwDeg_u12p4{2}[0]       112         t2_EOTPosDepDmpTblX_HwDeg_u12p4{2}[1]       114         t2_EOTPosDepDmpTblX_HwDeg_u12p4{3}[0]       114         t2_EOTPosDepDmpTblX_HwDeg_u12p4{3}[1]       1920         t2_EOTPosDepDmpTblX_HwDeg_u12p4{3}[1]       1920         t2_EOTPosDepDmpTblY_MtrNmpRadpS_u0p16{0}[0]       1         t2_EOTPosDepDmpTblY_MtrNmpRadpS_u0p16{0}[1]       44         t2_EOTPosDepDmpTblY_MtrNmpRadpS_u0p16{1}[0]       37         t2_EOTPosDepDmpTblY_MtrNmpRadpS_u0p16{1}[1]       194         t2_EOTPosDepDmpTblY_MtrNmpRadpS_u0p16{2}[0]       62         t2_EOTPosDepDmpTblY_MtrNmpRadpS_u0p16{2}[0]       62         t2_EOTPosDepDmpTblY_MtrNmpRadpS_u0p16{3}[0]       10         t2_EOTPosDepDmpTblY_MtrNmpRadpS_u0p16{3}[0]       10         t2_EOTPosDepDmpTblY_MtrNmpRadpS_u0p16{3}[0]       452         t_EOTDmpVspd_Kph_u9p7[0]       0         t_EOTDmpVspd_Kph_u9p7[1]       640         t_EOTDmpVspd_Kph_u9p7[2]       1408  |   | 32                                    |   |
| 12_EOTPosDepDmpTblX_HwDeg_u12p4[0][1] 112 12_EOTPosDepDmpTblX_HwDeg_u12p4[1][0] 80 12_EOTPosDepDmpTblX_HwDeg_u12p4[1][1] 160 12_EOTPosDepDmpTblX_HwDeg_u12p4[2][0] 112 12_EOTPosDepDmpTblX_HwDeg_u12p4[2][1] 114 12_EOTPosDepDmpTblX_HwDeg_u12p4[3][0] 114 12_EOTPosDepDmpTblX_HwDeg_u12p4[3][1] 1920 12_EOTPosDepDmpTblX_HwDeg_u12p4[3][1] 1920 12_EOTPosDepDmpTblY_MtrNmpRadpS_u0p16[0][0] 1 12_EOTPosDepDmpTblY_MtrNmpRadpS_u0p16[0][0] 37 12_EOTPosDepDmpTblY_MtrNmpRadpS_u0p16[1][0] 37 12_EOTPosDepDmpTblY_MtrNmpRadpS_u0p16[1][0] 37 12_EOTPosDepDmpTblY_MtrNmpRadpS_u0p16[1][0] 62 12_EOTPosDepDmpTblY_MtrNmpRadpS_u0p16[2][0] 62 12_EOTPosDepDmpTblY_MtrNmpRadpS_u0p16[3][0] 10 12_EOTPosDepDmpTblY_MtrNmpRadpS_u0p16[3][0] 452 12_EOTPosDepDmpTblY_MtrNmpRadpS_u0p16[3][0] 452 1_EOTDmpVspd_Kph_u9p7[0] 640 1_EOTDmpVspd_Kph_u9p7[1] 640   |   | 44                                    |   |
| t2_EOTPosDepDmpTblX_HwDeg_u12p4[1][0] 80  t2_EOTPosDepDmpTblX_HwDeg_u12p4[1][1] 160  t2_EOTPosDepDmpTblX_HwDeg_u12p4[2][0] 112  t2_EOTPosDepDmpTblX_HwDeg_u12p4[2][1] 114  t2_EOTPosDepDmpTblX_HwDeg_u12p4[3][0] 114  t2_EOTPosDepDmpTblX_HwDeg_u12p4[3][1] 1920  t2_EOTPosDepDmpTblY_MtrNmpRadpS_u0p16[0][0] 1  t2_EOTPosDepDmpTblY_MtrNmpRadpS_u0p16[0][1] 44  t2_EOTPosDepDmpTblY_MtrNmpRadpS_u0p16[1][0] 37  t2_EOTPosDepDmpTblY_MtrNmpRadpS_u0p16[1][0] 37  t2_EOTPosDepDmpTblY_MtrNmpRadpS_u0p16[1][1] 194  t2_EOTPosDepDmpTblY_MtrNmpRadpS_u0p16[2][0] 62  t2_EOTPosDepDmpTblY_MtrNmpRadpS_u0p16[2][0] 62  t2_EOTPosDepDmpTblY_MtrNmpRadpS_u0p16[3][0] 10  t2_EOTPosDepDmpTblY_MtrNmpRadpS_u0p16[3][0] 10  t2_EOTPosDepDmpTblY_MtrNmpRadpS_u0p16[3][0] 452  t_EOTDmpVspd_Kph_u9p7[0] 0  t_EOTDmpVspd_Kph_u9p7[1] 640  t_EOTDmpVspd_Kph_u9p7[2] 1408   | t2_EOTPosDepDmpTblX_HwDeg_u12p4[0][0]       | 64                                    |   |
| 12_EOTPosDepDmpTbIX_HwDeg_u12p4[1][1]       160         12_EOTPosDepDmpTbIX_HwDeg_u12p4[2][0]       112         12_EOTPosDepDmpTbIX_HwDeg_u12p4[2][1]       114         12_EOTPosDepDmpTbIX_HwDeg_u12p4[3][0]       114         12_EOTPosDepDmpTbIX_HwDeg_u12p4[3][1]       1920         12_EOTPosDepDmpTbIY_MtrNmpRadps_u0p16[0][0]       1         12_EOTPosDepDmpTbIY_MtrNmpRadps_u0p16[0][1]       44         12_EOTPosDepDmpTbIY_MtrNmpRadps_u0p16[1][0]       37         12_EOTPosDepDmpTbIY_MtrNmpRadps_u0p16[1][1]       194         12_EOTPosDepDmpTbIY_MtrNmpRadps_u0p16[2][0]       62         12_EOTPosDepDmpTbIY_MtrNmpRadps_u0p16[2][0]       87         12_EOTPosDepDmpTbIY_MtrNmpRadps_u0p16[3][0]       10         12_EOTPosDepDmpTbIY_MtrNmpRadps_u0p16[3][0]       10         12_EOTPosDepDmpTbIY_MtrNmpRadps_u0p16[3][1]       452         1_EOTDmpVspd_Kph_u9p7[0]       0         1_EOTDmpVspd_Kph_u9p7[1]       640         1_EOTDmpVspd_Kph_u9p7[2]       1408   | t2_EOTPosDepDmpTblX_HwDeg_u12p4[0][1]       | 112                                   |   |
| t2_EOTPosDepDmpTblX_HwDeg_u12p4[2][0] 112 t2_EOTPosDepDmpTblX_HwDeg_u12p4[2][1] 114 t2_EOTPosDepDmpTblX_HwDeg_u12p4[3][0] 114 t2_EOTPosDepDmpTblX_HwDeg_u12p4[3][1] 1920 t2_EOTPosDepDmpTblY_MtrNmpRadpS_u0p16[0][0] 1 t2_EOTPosDepDmpTblY_MtrNmpRadpS_u0p16[0][1] 44 t2_EOTPosDepDmpTblY_MtrNmpRadpS_u0p16[1][0] 37 t2_EOTPosDepDmpTblY_MtrNmpRadpS_u0p16[1][0] 37 t2_EOTPosDepDmpTblY_MtrNmpRadpS_u0p16[1][1] 194 t2_EOTPosDepDmpTblY_MtrNmpRadpS_u0p16[2][0] 62 t2_EOTPosDepDmpTblY_MtrNmpRadpS_u0p16[2][0] 87 t2_EOTPosDepDmpTblY_MtrNmpRadpS_u0p16[2][1] 87 t2_EOTPosDepDmpTblY_MtrNmpRadpS_u0p16[3][0] 10 t2_EOTPosDepDmpTblY_MtrNmpRadpS_u0p16[3][0] 452 t_EOTDmpVspd_Kph_u9p7[0] 0 t_EOTDmpVspd_Kph_u9p7[1] 640 t_EOTDmpVspd_Kph_u9p7[2] 1408  | t2_EOTPosDepDmpTblX_HwDeg_u12p4[1][0]       | 80                                    |   |
| t2_EOTPosDepDmpTblX_HwDeg_u12p4[2][1] 114 t2_EOTPosDepDmpTblX_HwDeg_u12p4[3][0] 114 t2_EOTPosDepDmpTblX_HwDeg_u12p4[3][1] 1920 t2_EOTPosDepDmpTblY_MtrNmpRadpS_u0p16[0][0] 1 t2_EOTPosDepDmpTblY_MtrNmpRadpS_u0p16[0][1] 44 t2_EOTPosDepDmpTblY_MtrNmpRadpS_u0p16[1][0] 37 t2_EOTPosDepDmpTblY_MtrNmpRadpS_u0p16[1][0] 194 t2_EOTPosDepDmpTblY_MtrNmpRadpS_u0p16[2][0] 62 t2_EOTPosDepDmpTblY_MtrNmpRadpS_u0p16[2][0] 87 t2_EOTPosDepDmpTblY_MtrNmpRadpS_u0p16[2][1] 87 t2_EOTPosDepDmpTblY_MtrNmpRadpS_u0p16[3][0] 10 t2_EOTPosDepDmpTblY_MtrNmpRadpS_u0p16[3][0] 10 t2_EOTPosDepDmpTblY_MtrNmpRadpS_u0p16[3][1] 452 t_EOTDmpVspd_Kph_u9p7[0] 0 t_EOTDmpVspd_Kph_u9p7[1] 640 t_EOTDmpVspd_Kph_u9p7[2] 1408  | t2_EOTPosDepDmpTblX_HwDeg_u12p4[1][1]       | 160                                   |   |
| t2_EOTPosDepDmpTblX_HwDeg_u12p4[3][0] 114 t2_EOTPosDepDmpTblX_HwDeg_u12p4[3][1] 1920 t2_EOTPosDepDmpTblY_MtrNmpRadpS_u0p16[0][0] 1 t2_EOTPosDepDmpTblY_MtrNmpRadpS_u0p16[0][1] 44 t2_EOTPosDepDmpTblY_MtrNmpRadpS_u0p16[1][0] 37 t2_EOTPosDepDmpTblY_MtrNmpRadpS_u0p16[1][1] 194 t2_EOTPosDepDmpTblY_MtrNmpRadpS_u0p16[2][0] 62 t2_EOTPosDepDmpTblY_MtrNmpRadpS_u0p16[2][0] 87 t2_EOTPosDepDmpTblY_MtrNmpRadpS_u0p16[2][1] 87 t2_EOTPosDepDmpTblY_MtrNmpRadpS_u0p16[3][0] 10 t2_EOTPosDepDmpTblY_MtrNmpRadpS_u0p16[3][0] 452 t_EOTDmpVspd_Kph_u9p7[0] 0 t_EOTDmpVspd_Kph_u9p7[1] 640 t_EOTDmpVspd_Kph_u9p7[2] 1408   | t2_EOTPosDepDmpTblX_HwDeg_u12p4[2][0]       | 112                                   |   |
| t2_EOTPosDepDmpTblX_HwDeg_u12p4[3][1]       1920         t2_EOTPosDepDmpTblY_MtrNmpRadpS_u0p16[0][0]       1         t2_EOTPosDepDmpTblY_MtrNmpRadpS_u0p16[0][1]       44         t2_EOTPosDepDmpTblY_MtrNmpRadpS_u0p16[1][0]       37         t2_EOTPosDepDmpTblY_MtrNmpRadpS_u0p16[1][1]       194         t2_EOTPosDepDmpTblY_MtrNmpRadpS_u0p16[2][0]       62         t2_EOTPosDepDmpTblY_MtrNmpRadpS_u0p16[2][1]       87         t2_EOTPosDepDmpTblY_MtrNmpRadpS_u0p16[3][0]       10         t2_EOTPosDepDmpTblY_MtrNmpRadpS_u0p16[3][0]       452         t_EOTDmpVspd_Kph_u9p7[0]       0         t_EOTDmpVspd_Kph_u9p7[1]       640         t_EOTDmpVspd_Kph_u9p7[2]       1408  | t2_EOTPosDepDmpTblX_HwDeg_u12p4[2][1]       | 114                                   |   |
| t2_EOTPosDepDmpTblY_MtrNmpRadpS_u0p16[0][0] 1 t2_EOTPosDepDmpTblY_MtrNmpRadpS_u0p16[0][1] 44 t2_EOTPosDepDmpTblY_MtrNmpRadpS_u0p16[1][0] 37 t2_EOTPosDepDmpTblY_MtrNmpRadpS_u0p16[1][1] 194 t2_EOTPosDepDmpTblY_MtrNmpRadpS_u0p16[2][0] 62 t2_EOTPosDepDmpTblY_MtrNmpRadpS_u0p16[2][1] 87 t2_EOTPosDepDmpTblY_MtrNmpRadpS_u0p16[2][1] 87 t2_EOTPosDepDmpTblY_MtrNmpRadpS_u0p16[3][0] 10 t2_EOTPosDepDmpTblY_MtrNmpRadpS_u0p16[3][0] 452 t_EOTDmpVspd_Kph_u9p7[0] 0 t_EOTDmpVspd_Kph_u9p7[1] 640 t_EOTDmpVspd_Kph_u9p7[2] 1408  | t2_EOTPosDepDmpTblX_HwDeg_u12p4[3][0]       | 114                                   |   |
| t2_EOTPosDepDmpTblY_MtrNmpRadpS_u0p16[0][1]  | t2_EOTPosDepDmpTblX_HwDeg_u12p4[3][1]       | 1920                                  |   |
| t2_EOTPosDepDmpTblY_MtrNmpRadpS_u0p16[1][0]       37         t2_EOTPosDepDmpTblY_MtrNmpRadpS_u0p16[1][1]       194         t2_EOTPosDepDmpTblY_MtrNmpRadpS_u0p16[2][0]       62         t2_EOTPosDepDmpTblY_MtrNmpRadpS_u0p16[2][1]       87         t2_EOTPosDepDmpTblY_MtrNmpRadpS_u0p16[3][0]       10         t2_EOTPosDepDmpTblY_MtrNmpRadpS_u0p16[3][1]       452         t_EOTDmpVspd_Kph_u9p7[0]       0         t_EOTDmpVspd_Kph_u9p7[1]       640         t_EOTDmpVspd_Kph_u9p7[2]       1408  | t2_EOTPosDepDmpTblY_MtrNmpRadpS_u0p16[0][0] | 1                                     |   |
| t2_EOTPosDepDmpTblY_MtrNmpRadpS_u0p16[1][1]       194         t2_EOTPosDepDmpTblY_MtrNmpRadpS_u0p16[2][0]       62         t2_EOTPosDepDmpTblY_MtrNmpRadpS_u0p16[2][1]       87         t2_EOTPosDepDmpTblY_MtrNmpRadpS_u0p16[3][0]       10         t2_EOTPosDepDmpTblY_MtrNmpRadpS_u0p16[3][1]       452         t_EOTDmpVspd_Kph_u9p7[0]       0         t_EOTDmpVspd_Kph_u9p7[1]       640         t_EOTDmpVspd_Kph_u9p7[2]       1408   | t2_EOTPosDepDmpTblY_MtrNmpRadpS_u0p16[0][1] | 44                                    |   |
| t2_EOTPosDepDmpTblY_MtrNmpRadpS_u0p16[2][0] 62 t2_EOTPosDepDmpTblY_MtrNmpRadpS_u0p16[2][1] 87 t2_EOTPosDepDmpTblY_MtrNmpRadpS_u0p16[3][0] 10 t2_EOTPosDepDmpTblY_MtrNmpRadpS_u0p16[3][1] 452 t_EOTDmpVspd_Kph_u9p7[0] 0 t_EOTDmpVspd_Kph_u9p7[1] 640 t_EOTDmpVspd_Kph_u9p7[2] 1408   | t2_EOTPosDepDmpTblY_MtrNmpRadpS_u0p16[1][0] | 37                                    |   |
| t2_EOTPosDepDmpTblY_MtrNmpRadpS_u0p16[2][1]       87         t2_EOTPosDepDmpTblY_MtrNmpRadpS_u0p16[3][0]       10         t2_EOTPosDepDmpTblY_MtrNmpRadpS_u0p16[3][1]       452         t_EOTDmpVspd_Kph_u9p7[0]       0         t_EOTDmpVspd_Kph_u9p7[1]       640         t_EOTDmpVspd_Kph_u9p7[2]       1408  | t2_EOTPosDepDmpTblY_MtrNmpRadpS_u0p16[1][1] | 194                                   |   |
| t2_EOTPosDepDmpTblY_MtrNmpRadpS_u0p16[3][0]       10         t2_EOTPosDepDmpTblY_MtrNmpRadpS_u0p16[3][1]       452         t_EOTDmpVspd_Kph_u9p7[0]       0         t_EOTDmpVspd_Kph_u9p7[1]       640         t_EOTDmpVspd_Kph_u9p7[2]       1408   | t2_EOTPosDepDmpTblY_MtrNmpRadpS_u0p16[2][0] | 62                                    |   |
| t2_EOTPosDepDmpTblY_MtrNmpRadpS_u0p16[3][1]  | t2_EOTPosDepDmpTblY_MtrNmpRadpS_u0p16[2][1] | 87                                    |   |
| t_EOTDmpVspd_Kph_u9p7[0]       0         t_EOTDmpVspd_Kph_u9p7[1]       640         t_EOTDmpVspd_Kph_u9p7[2]       1408  | t2_EOTPosDepDmpTblY_MtrNmpRadpS_u0p16[3][0] | 10                                    |   |
| t_EOTDmpVspd_Kph_u9p7[1]     640       t_EOTDmpVspd_Kph_u9p7[2]     1408   | t2_EOTPosDepDmpTblY_MtrNmpRadpS_u0p16[3][1] | 452                                   |   |
| t_EOTDmpVspd_Kph_u9p7[2] 1408  | t_EOTDmpVspd_Kph_u9p7[0]                    | 0                                     |   |
| - 11-1-112   | t_EOTDmpVspd_Kph_u9p7[1]                    | 640                                   |   |
| t_EOTDmpVspd_Kph_u9p7[3] 2560  | t_EOTDmpVspd_Kph_u9p7[2]                    | 1408                                  |   |
|  | t_EOTDmpVspd_Kph_u9p7[3]                    | 2560                                  |   |







| Name  | Input Value  |                            |          |
|---|--------------|----------------------------|----------|
| t2_EOTPosDepDmpTblX_HwDeg_u12p4[3][0]       | 672          |                            |          |
| t2_EOTPosDepDmpTblX_HwDeg_u12p4[3][1]       | 4032         |                            |          |
| t2_EOTPosDepDmpTblY_MtrNmpRadpS_u0p16[0][0] | 16           |                            |          |
| t2_EOTPosDepDmpTblY_MtrNmpRadpS_u0p16[0][1] | 22           |                            |          |
| t2_EOTPosDepDmpTblY_MtrNmpRadpS_u0p16[1][0] | 153          |                            |          |
| t2_EOTPosDepDmpTblY_MtrNmpRadpS_u0p16[1][1] | 216          |                            |          |
| t2_EOTPosDepDmpTblY_MtrNmpRadpS_u0p16[2][0] | 77           |                            |          |
| t2_EOTPosDepDmpTblY_MtrNmpRadpS_u0p16[2][1] | 108          |                            |          |
| t2_EOTPosDepDmpTblY_MtrNmpRadpS_u0p16[3][0] | 52           |                            |          |
| t2_EOTPosDepDmpTblY_MtrNmpRadpS_u0p16[3][1] | 68           |                            |          |
| t_EOTDmpVspd_Kph_u9p7[0]                    | 1280         |                            |          |
| t_EOTDmpVspd_Kph_u9p7[1]                    | 2560         |                            |          |
| t_EOTDmpVspd_Kph_u9p7[2]                    | 3840         |                            |          |
| t_EOTDmpVspd_Kph_u9p7[3]                    | 5120         |                            |          |
| Name  | Actual Value | Expected Value             | Result   |
| EOTActuatorMng_Damping_MtrNm_M_f32          | -6.39798021  | -6.39798021 ± 0.0000390625 | ~        |
| SES_CalcEOTDamp()                           | -6.39798021  | -6.39798021                | <b>✓</b> |

| Т                               |       |                                 |       |        |  |  |
|---------------------------------|-------|---------------------------------|-------|--------|--|--|
| Actual Function                 | Count | Expected Function               | Count | Result |  |  |
| BilinearXMYM_u16_u16XMu16YM_Cnt | 1     | BilinearXMYM_u16_u16XMu16YM_Cnt | 1     | ~      |  |  |

| Test Step 2.3 (Repeat Count = 1) Name         | Input Value  |                            |         |
|---|--------------|----------------------------|---------|
| CcwEOT_HwDeg_T_f32                            | -1300.43994  |                            |         |
| CwEOT_HwDeg_T_f32                             | 1000.09998   |                            |         |
| EOTActuatorMng_Damping_MtrNm_M_f32            | -4           |                            |         |
| EOTActuatorMng_SESState_Uls_M_enum            | SES NORMAL   |                            |         |
| HandWheelPos_HwDeg_T_f32                      | 500.005005   |                            |         |
| MotorVel_MtrRadpS_T_f32                       | 605.812012   |                            |         |
| VehicleSpeed Kph T f32                        | 300.54599    |                            |         |
| k EOTPosDepDempFinalSlew MtrNmpS T f32        | 11.0200005   |                            |         |
| t2 EOTExPosDepDmpTblY MtrNmpRadps u0p16[0][0] | 32           |                            |         |
| t2_EOTEXPosDepDmpTblY_MtrNmpRadps_u0p16[0][0] | 44           |                            |         |
| t2_EOTExPosDepDmpTblY_MtrNmpRadps_u0p16[1][0] | 16           |                            |         |
| t2_EOTExPosDepDmpTblY_MtrNmpRadps_u0p16[1][1] | 22           |                            |         |
| t2_EOTEXPosDepDmpTblY_MtrNmpRadps_u0p16[2][0] | 4            |                            |         |
| t2_EOTEXPosDepDmpTblY_MtrNmpRadps_u0p16[2][1] | 26           |                            |         |
| t2_EOTExPosDepDmpTblY_MtrNmpRadps_u0p16[3][0] | 62           |                            |         |
| t2_EOTEXPosDepDmpTblY_MtrNmpRadps_u0p16[3][1] | 87           |                            |         |
| t2_EOTPosDepDmpTblX_HwDeg_u12p4[0][0]         | 80           |                            |         |
| t2_EOTPosDepDmpTblX_HwDeg_u12p4[0][1]         | 112          |                            |         |
| t2_EOTPosDepDmpTblX_HwDeg_u12p4[1][0]         | 512          |                            |         |
| t2_EOTPosDepDmpTblX_HwDeg_u12p4[1][1]         | 1152         |                            |         |
| t2_EOTPosDepDmpTblX_HwDeg_u12p4[2][0]         | 672          |                            |         |
| t2_EOTPosDepDmpTblX_HwDeg_u12p4[2][1]         | 1056         |                            |         |
| t2_EOTPosDepDmpTblX_HwDeg_u12p4[3][0]         | 704          |                            |         |
| t2_EOTPosDepDmpTbIX_HwDeg_u12p4[3][1]         | 4048         |                            |         |
| t2_EOTPosDepDmpTblY_MtrNmpRadpS_u0p16[0][0]   | 32           |                            |         |
| t2_EOTPosDepDmpTblY_MtrNmpRadpS_u0p16[0][1]   | 44           |                            |         |
| t2_EOTPosDepDmpTblY_MtrNmpRadpS_u0p16[1][0]   | 12           |                            |         |
| t2_EOTPosDepDmpTblY_MtrNmpRadpS_u0p16[1][1]   | 88           |                            |         |
| t2_EOTPosDepDmpTblY_MtrNmpRadpS_u0p16[2][0]   | 92           |                            |         |
| t2_EOTPosDepDmpTblY_MtrNmpRadpS_u0p16[2][1]   | 130          |                            |         |
| t2_EOTPosDepDmpTblY_MtrNmpRadpS_u0p16[3][0]   | 99           |                            |         |
| t2_EOTPosDepDmpTblY_MtrNmpRadpS_u0p16[3][1]   | 698          |                            |         |
| t_EOTDmpVspd_Kph_u9p7[0]                      | 6400         |                            |         |
| t_EOTDmpVspd_Kph_u9p7[1]                      | 7680         |                            |         |
| t_EOTDmpVspd_Kph_u9p7[2]                      | 8960         |                            |         |
| t_EOTDmpVspd_Kph_u9p7[3]                      | 10240        |                            |         |
| Name  | Actual Value | Expected Value             | Result  |
| EOTActuatorMng_Damping_MtrNm_M_f32            | -3.97796011  | -3.97796011 ± 0.0000390625 | - Itour |
| SES_CalcEOTDamp()                             | -3.97796011  | -3.97796011                |         |

| T ·                             |       |                                 |       |        |  |  |
|---------------------------------|-------|---------------------------------|-------|--------|--|--|
| Actual Function                 | Count | Expected Function               | Count | Result |  |  |
| BilinearXMYM_u16_u16XMu16YM_Cnt | 1     | BilinearXMYM_u16_u16XMu16YM_Cnt | 1     | ~      |  |  |



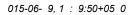


| Test Step 2.4 (Repeat Count = 1)              |              |                            | <b>✓</b> |
|---|--------------|----------------------------|----------|
| Name  | Input Value  |                            |          |
| CcwEOT_HwDeg_T_f32                            | -1440.10999  |                            |          |
| CwEOT_HwDeg_T_f32                             | 900.122986   |                            |          |
| EOTActuatorMng_Damping_MtrNm_M_f32            | -1.60000002  |                            |          |
| EOTActuatorMng_SESState_Uls_M_enum            | SES_ENTERING |                            |          |
| HandWheelPos_HwDeg_T_f32                      | -600.005981  |                            |          |
| MotorVel_MtrRadpS_T_f32                       | 305.164001   |                            |          |
| VehicleSpeed_Kph_T_f32                        | 150.985992   |                            |          |
| k_EOTPosDepDempFinalSlew_MtrNmpS_T_f32        | 21.0300007   |                            |          |
| t2_EOTExPosDepDmpTblY_MtrNmpRadps_u0p16[0][0] | 76           |                            |          |
| t2_EOTExPosDepDmpTblY_MtrNmpRadps_u0p16[0][1] | 108          |                            |          |
| t2_EOTExPosDepDmpTblY_MtrNmpRadps_u0p16[1][0] | 122          |                            |          |
| t2_EOTExPosDepDmpTblY_MtrNmpRadps_u0p16[1][1] | 173          |                            |          |
| t2_EOTExPosDepDmpTblY_MtrNmpRadps_u0p16[2][0] | 122          |                            |          |
| t2_EOTExPosDepDmpTblY_MtrNmpRadps_u0p16[2][1] | 173          |                            |          |
| t2_EOTExPosDepDmpTblY_MtrNmpRadps_u0p16[3][0] | 77           |                            |          |
| t2_EOTExPosDepDmpTblY_MtrNmpRadps_u0p16[3][1] | 108          |                            |          |
| t2_EOTPosDepDmpTblX_HwDeg_u12p4[0][0]         | 112          |                            |          |
| t2_EOTPosDepDmpTblX_HwDeg_u12p4[0][1]         | 128          |                            |          |
| t2_EOTPosDepDmpTblX_HwDeg_u12p4[1][0]         | 544          |                            |          |
| t2_EOTPosDepDmpTbIX_HwDeg_u12p4[1][1]         | 1168         |                            |          |
| t2_EOTPosDepDmpTbIX_HwDeg_u12p4[2][0]         | 688          |                            |          |
| t2_EOTPosDepDmpTbIX_HwDeg_u12p4[2][1]         | 1072         |                            |          |
| t2_EOTPosDepDmpTblX_HwDeg_u12p4[3][0]         | 784          |                            |          |
| t2_EOTPosDepDmpTblX_HwDeg_u12p4[3][1]         | 4064         |                            |          |
| t2_EOTPosDepDmpTblY_MtrNmpRadpS_u0p16[0][0]   | 1            |                            |          |
| t2_EOTPosDepDmpTblY_MtrNmpRadpS_u0p16[0][1]   | 11           |                            |          |
| t2_EOTPosDepDmpTblY_MtrNmpRadpS_u0p16[1][0]   | 183          |                            |          |
| t2_EOTPosDepDmpTblY_MtrNmpRadpS_u0p16[1][1]   | 259          |                            |          |
| t2_EOTPosDepDmpTblY_MtrNmpRadpS_u0p16[2][0]   | 102          |                            |          |
| t2_EOTPosDepDmpTblY_MtrNmpRadpS_u0p16[2][1]   | 452          |                            |          |
| t2_EOTPosDepDmpTblY_MtrNmpRadpS_u0p16[3][0]   | 4            |                            |          |
| t2_EOTPosDepDmpTblY_MtrNmpRadpS_u0p16[3][1]   | 713          |                            |          |
| t_EOTDmpVspd_Kph_u9p7[0]                      | 11520        |                            |          |
| t_EOTDmpVspd_Kph_u9p7[1]                      | 12800        |                            |          |
| t_EOTDmpVspd_Kph_u9p7[2]                      | 14080        |                            |          |
| t_EOTDmpVspd_Kph_u9p7[3]                      | 15360        |                            |          |
| Name  | Actual Value | Expected Value             | Result   |
| EOTActuatorMng_Damping_MtrNm_M_f32            | -1.55794001  | -1.55794001 ± 0.0000390625 | ~        |
| SES_CalcEOTDamp()                             | -1.55794001  | -1.55794001                | <b>✓</b> |

| T                               |       |                                 |       |        |  |  |
|---------------------------------|-------|---------------------------------|-------|--------|--|--|
| Actual Function                 | Count | Expected Function               | Count | Result |  |  |
| BilinearXMYM_u16_u16XMu16YM_Cnt | 1     | BilinearXMYM_u16_u16XMu16YM_Cnt | 1     | ~      |  |  |

| Test Step 2.5 (Repeat Count = 1)              |             |
|---|-------------|
| Name  | Input Value |
| CcwEOT_HwDeg_T_f32                            | 0           |
| CwEOT_HwDeg_T_f32                             | 800.528015  |
| EOTActuatorMng_Damping_MtrNm_M_f32            | 0.800000012 |
| EOTActuatorMng_SESState_Uls_M_enum            | SES_NORMAL  |
| HandWheelPos_HwDeg_T_f32                      | -750.057007 |
| MotorVel_MtrRadpS_T_f32                       | 205.283997  |
| VehicleSpeed_Kph_T_f32                        | 250.356003  |
| k_EOTPosDepDempFinalSlew_MtrNmpS_T_f32        | 31.0400009  |
| t2_EOTExPosDepDmpTblY_MtrNmpRadps_u0p16[0][0] | 62          |
| t2_EOTExPosDepDmpTblY_MtrNmpRadps_u0p16[0][1] | 87          |
| t2_EOTExPosDepDmpTblY_MtrNmpRadps_u0p16[1][0] | 137         |
| t2_EOTExPosDepDmpTblY_MtrNmpRadps_u0p16[1][1] | 194         |
| t2_EOTExPosDepDmpTblY_MtrNmpRadps_u0p16[2][0] | 137         |
| t2_EOTExPosDepDmpTblY_MtrNmpRadps_u0p16[2][1] | 194         |
| t2_EOTExPosDepDmpTblY_MtrNmpRadps_u0p16[3][0] | 92          |
| t2_EOTExPosDepDmpTblY_MtrNmpRadps_u0p16[3][1] | 130         |
| t2_EOTPosDepDmpTblX_HwDeg_u12p4[0][0]         | 144         |
| t2_EOTPosDepDmpTblX_HwDeg_u12p4[0][1]         | 304         |
| t2_EOTPosDepDmpTblX_HwDeg_u12p4[1][0]         | 576         |
| t2_EOTPosDepDmpTblX_HwDeg_u12p4[1][1]         | 1184        |
| t2_EOTPosDepDmpTblX_HwDeg_u12p4[2][0]         | 704         |







| Name  | Input Value  |                            |          |
|---|--------------|----------------------------|----------|
| t2_EOTPosDepDmpTblX_HwDeg_u12p4[2][1]       | 1088         |                            |          |
| t2_EOTPosDepDmpTblX_HwDeg_u12p4[3][0]       | 768          |                            |          |
| t2_EOTPosDepDmpTblX_HwDeg_u12p4[3][1]       | 4080         |                            |          |
| t2_EOTPosDepDmpTblY_MtrNmpRadpS_u0p16[0][0] | 62           |                            |          |
| t2_EOTPosDepDmpTblY_MtrNmpRadpS_u0p16[0][1] | 87           |                            |          |
| t2_EOTPosDepDmpTblY_MtrNmpRadpS_u0p16[1][0] | 198          |                            |          |
| t2_EOTPosDepDmpTblY_MtrNmpRadpS_u0p16[1][1] | 280          |                            |          |
| t2_EOTPosDepDmpTblY_MtrNmpRadpS_u0p16[2][0] | 122          |                            |          |
| t2_EOTPosDepDmpTblY_MtrNmpRadpS_u0p16[2][1] | 173          |                            |          |
| t2_EOTPosDepDmpTblY_MtrNmpRadpS_u0p16[3][0] | 103          |                            |          |
| t2_EOTPosDepDmpTblY_MtrNmpRadpS_u0p16[3][1] | 728          |                            |          |
| t_EOTDmpVspd_Kph_u9p7[0]                    | 0            |                            |          |
| t_EOTDmpVspd_Kph_u9p7[1]                    | 768          |                            |          |
| t_EOTDmpVspd_Kph_u9p7[2]                    | 1280         |                            |          |
| t_EOTDmpVspd_Kph_u9p7[3]                    | 2816         |                            |          |
| Name  | Actual Value | Expected Value             | Result   |
| EOTActuatorMng_Damping_MtrNm_M_f32          | 0.862080038  | 0.862079978 ± 0.0000390625 | ~        |
| SES_CalcEOTDamp()                           | 0.862080038  | 0.862079978                | <b>✓</b> |
|   |              |                            |          |

| T                               |       |                                 |       | <b>✓</b> |
|---------------------------------|-------|---------------------------------|-------|----------|
| Actual Function                 | Count | Expected Function               | Count | Result   |
| BilinearXMYM_u16_u16XMu16YM_Cnt | 1     | BilinearXMYM_u16_u16XMu16YM_Cnt | 1     | ~        |

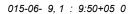
| Name  | Input Value  |                           |        |
|---|--------------|---------------------------|--------|
| CcwEOT HwDeg T f32                            | -1000.09998  |                           |        |
| CwEOT_HwDeg_T_f32                             | 700.314026   |                           |        |
| EOTActuatorMng_Damping_MtrNm_M_f32            | 3.20000005   |                           |        |
| EOTActuatorMng_SESState_Uls_M_enum            | SES_ENTERING |                           |        |
| HandWheelPos_HwDeg_T_f32                      | -850.057983  |                           |        |
| MotorVel_MtrRadpS_T_f32                       | 105.051003   |                           |        |
| VehicleSpeed_Kph_T_f32                        | 350.368988   |                           |        |
| k_EOTPosDepDempFinalSlew_MtrNmpS_T_f32        | 41.0499992   |                           |        |
| t2_EOTExPosDepDmpTblY_MtrNmpRadps_u0p16[0][0] | 77           |                           |        |
| t2_EOTExPosDepDmpTblY_MtrNmpRadps_u0p16[0][1] | 108          |                           |        |
| t2_EOTExPosDepDmpTblY_MtrNmpRadps_u0p16[1][0] | 153          |                           |        |
| t2_EOTExPosDepDmpTblY_MtrNmpRadps_u0p16[1][1] | 216          |                           |        |
| t2_EOTExPosDepDmpTblY_MtrNmpRadps_u0p16[2][0] | 153          |                           |        |
| t2_EOTExPosDepDmpTblY_MtrNmpRadps_u0p16[2][1] | 216          |                           |        |
| t2_EOTExPosDepDmpTblY_MtrNmpRadps_u0p16[3][0] | 107          |                           |        |
| t2_EOTExPosDepDmpTblY_MtrNmpRadps_u0p16[3][1] | 151          |                           |        |
| t2_EOTPosDepDmpTblX_HwDeg_u12p4[0][0]         | 128          |                           |        |
| t2_EOTPosDepDmpTblX_HwDeg_u12p4[0][1]         | 160          |                           |        |
| t2_EOTPosDepDmpTblX_HwDeg_u12p4[1][0]         | 608          |                           |        |
| t2_EOTPosDepDmpTblX_HwDeg_u12p4[1][1]         | 1200         |                           |        |
| t2_EOTPosDepDmpTblX_HwDeg_u12p4[2][0]         | 720          |                           |        |
| t2_EOTPosDepDmpTblX_HwDeg_u12p4[2][1]         | 1104         |                           |        |
| t2_EOTPosDepDmpTblX_HwDeg_u12p4[3][0]         | 800          |                           |        |
| t2_EOTPosDepDmpTblX_HwDeg_u12p4[3][1]         | 4096         |                           |        |
| t2_EOTPosDepDmpTblY_MtrNmpRadpS_u0p16[0][0]   | 77           |                           |        |
| t2_EOTPosDepDmpTblY_MtrNmpRadpS_u0p16[0][1]   | 108          |                           |        |
| t2_EOTPosDepDmpTblY_MtrNmpRadpS_u0p16[1][0]   | 213          |                           |        |
| t2_EOTPosDepDmpTblY_MtrNmpRadpS_u0p16[1][1]   | 302          |                           |        |
| t2_EOTPosDepDmpTblY_MtrNmpRadpS_u0p16[2][0]   | 137          |                           |        |
| t2_EOTPosDepDmpTblY_MtrNmpRadpS_u0p16[2][1]   | 194          |                           |        |
| t2_EOTPosDepDmpTblY_MtrNmpRadpS_u0p16[3][0]   | 74           |                           |        |
| t2_EOTPosDepDmpTblY_MtrNmpRadpS_u0p16[3][1]   | 105          |                           |        |
| t_EOTDmpVspd_Kph_u9p7[0]                      | 1280         |                           |        |
| t_EOTDmpVspd_Kph_u9p7[1]                      | 2688         |                           |        |
| t_EOTDmpVspd_Kph_u9p7[2]                      | 3840         |                           |        |
| t_EOTDmpVspd_Kph_u9p7[3]                      | 5248         |                           |        |
| Name  | Actual Value | Expected Value            | Result |
| EOTActuatorMng_Damping_MtrNm_M_f32            | 3.11790013   | 3.11789989 ± 0.0000390625 | -      |
| SES CalcEOTDamp()                             | 3.11790013   | 3.11789989                | •      |

| Т                               |       |                                 |       |        |  |  |
|---------------------------------|-------|---------------------------------|-------|--------|--|--|
| Actual Function                 | Count | Expected Function               | Count | Result |  |  |
| BilinearXMYM_u16_u16XMu16YM_Cnt | 1     | BilinearXMYM_u16_u16XMu16YM_Cnt | 1     | ~      |  |  |



| <b>§8</b> m <b>€</b> ipn |
|--------------------------|
| -900                     |
| 600.984985               |
| 5.5999999                |
| SES_NORMAL               |
| -800.007996              |
| 110.011002               |
| 450.341003               |
| 51.0600014               |
| 92                       |
| 130                      |
| 168                      |
| 237                      |
| 168                      |
| 237                      |
| 122                      |
| 173                      |
| 112                      |
| 176                      |
| 640                      |
| 1216                     |
| 736                      |
| 1120                     |
| 832                      |
| 4112                     |
| 92                       |
| 130                      |
| 228                      |
| 323                      |
| 153                      |
| 216                      |
| 76                       |
| 108                      |
| 6400                     |
| 7680                     |
| 9216                     |
| 10368                    |
|                          |







| Name  | Input Value  |                            |          |
|---|--------------|----------------------------|----------|
| t2_EOTPosDepDmpTblX_HwDeg_u12p4[2][1]       | 1136         |                            |          |
| t2_EOTPosDepDmpTblX_HwDeg_u12p4[3][0]       | 864          |                            |          |
| t2_EOTPosDepDmpTblX_HwDeg_u12p4[3][1]       | 4128         |                            |          |
| t2_EOTPosDepDmpTblY_MtrNmpRadpS_u0p16[0][0] | 107          |                            |          |
| t2_EOTPosDepDmpTblY_MtrNmpRadpS_u0p16[0][1] | 151          |                            |          |
| t2_EOTPosDepDmpTblY_MtrNmpRadpS_u0p16[1][0] | 243          |                            |          |
| t2_EOTPosDepDmpTblY_MtrNmpRadpS_u0p16[1][1] | 345          |                            |          |
| t2_EOTPosDepDmpTblY_MtrNmpRadpS_u0p16[2][0] | 168          |                            |          |
| t2_EOTPosDepDmpTblY_MtrNmpRadpS_u0p16[2][1] | 237          |                            |          |
| t2_EOTPosDepDmpTblY_MtrNmpRadpS_u0p16[3][0] | 77           |                            |          |
| t2_EOTPosDepDmpTblY_MtrNmpRadpS_u0p16[3][1] | 110          |                            |          |
| t_EOTDmpVspd_Kph_u9p7[0]                    | 11520        |                            |          |
| t_EOTDmpVspd_Kph_u9p7[1]                    | 13056        |                            |          |
| t_EOTDmpVspd_Kph_u9p7[2]                    | 14208        |                            |          |
| t_EOTDmpVspd_Kph_u9p7[3]                    | 19200        |                            |          |
| Name  | Actual Value | Expected Value             | Result   |
| EOTActuatorMng_Damping_MtrNm_M_f32          | 0.122140005  | 0.122139998 ± 0.0000390625 | ~        |
| SES_CalcEOTDamp()                           | 0.122140005  | 0.122139998                | <b>✓</b> |

| T                               |       |                                 |       | <b>✓</b> |
|---------------------------------|-------|---------------------------------|-------|----------|
| Actual Function                 | Count | Expected Function               | Count | Result   |
| BilinearXMYM_u16_u16XMu16YM_Cnt | 1     | BilinearXMYM_u16_u16XMu16YM_Cnt | 1     | ~        |

| Test Step 2.9 (Repeat Count = 1) Name         | Input Value  |                           |        |
|---|--------------|---------------------------|--------|
| CcwEOT HwDeq T f32                            | -800.349976  |                           |        |
| _ 5   | 500.851013   |                           |        |
| CWEOT_HwDeg_T_f32                             |              |                           |        |
| EOTActuatorMng_Damping_MtrNm_M_f32            | 1.20000005   |                           |        |
| EOTActuatorMng_SESState_Uls_M_enum            | SES_ENTERING |                           |        |
| HandWheelPos_HwDeg_T_f32                      | 900.008972   |                           |        |
| MotorVel_MtrRadpS_T_f32                       | 220.011002   |                           |        |
| VehicleSpeed_Kph_T_f32                        | 511.992188   |                           |        |
| k_EOTPosDepDempFinalSlew_MtrNmpS_T_f32        | 71.0800018   |                           |        |
| t2_EOTExPosDepDmpTblY_MtrNmpRadps_u0p16[0][0] | 122          |                           |        |
| t2_EOTExPosDepDmpTblY_MtrNmpRadps_u0p16[0][1] | 173          |                           |        |
| t2_EOTExPosDepDmpTblY_MtrNmpRadps_u0p16[1][0] | 198          |                           |        |
| t2_EOTExPosDepDmpTblY_MtrNmpRadps_u0p16[1][1] | 280          |                           |        |
| t2_EOTExPosDepDmpTblY_MtrNmpRadps_u0p16[2][0] | 198          |                           |        |
| t2_EOTExPosDepDmpTblY_MtrNmpRadps_u0p16[2][1] | 280          |                           |        |
| t2_EOTExPosDepDmpTblY_MtrNmpRadps_u0p16[3][0] | 153          |                           |        |
| t2_EOTExPosDepDmpTblY_MtrNmpRadps_u0p16[3][1] | 216          |                           |        |
| t2_EOTPosDepDmpTblX_HwDeg_u12p4[0][0]         | 80           |                           |        |
| t2_EOTPosDepDmpTblX_HwDeg_u12p4[0][1]         | 208          |                           |        |
| t2_EOTPosDepDmpTblX_HwDeg_u12p4[1][0]         | 704          |                           |        |
| t2_EOTPosDepDmpTblX_HwDeg_u12p4[1][1]         | 1248         |                           |        |
| t2_EOTPosDepDmpTblX_HwDeg_u12p4[2][0]         | 768          |                           |        |
| t2_EOTPosDepDmpTblX_HwDeg_u12p4[2][1]         | 1152         |                           |        |
| t2_EOTPosDepDmpTblX_HwDeg_u12p4[3][0]         | 896          |                           |        |
| t2_EOTPosDepDmpTbIX_HwDeg_u12p4[3][1]         | 4144         |                           |        |
| t2_EOTPosDepDmpTblY_MtrNmpRadpS_u0p16[0][0]   | 122          |                           |        |
| t2_EOTPosDepDmpTblY_MtrNmpRadpS_u0p16[0][1]   | 173          |                           |        |
| t2_EOTPosDepDmpTblY_MtrNmpRadpS_u0p16[1][0]   | 259          |                           |        |
| t2_EOTPosDepDmpTblY_MtrNmpRadpS_u0p16[1][1]   | 366          |                           |        |
| t2_EOTPosDepDmpTblY_MtrNmpRadpS_u0p16[2][0]   | 183          |                           |        |
| t2_EOTPosDepDmpTblY_MtrNmpRadpS_u0p16[2][1]   | 259          |                           |        |
| t2_EOTPosDepDmpTblY_MtrNmpRadpS_u0p16[3][0]   | 112          |                           |        |
| t2_EOTPosDepDmpTblY_MtrNmpRadpS_u0p16[3][1]   | 788          |                           |        |
| t_EOTDmpVspd_Kph_u9p7[0]                      | 0            |                           |        |
| t_EOTDmpVspd_Kph_u9p7[1]                      | 512          |                           |        |
| t_EOTDmpVspd_Kph_u9p7[2]                      | 1280         |                           |        |
| t_EOTDmpVspd_Kph_u9p7[3]                      | 2944         |                           |        |
| Name  | Actual Value | Expected Value            | Result |
| EOTActuatorMng_Damping_MtrNm_M_f32            | 1.34216011   | 1.34215999 ± 0.0000390625 | Resul  |
| SES CalcEOTDamp()                             | 1.34216011   | 1.34215999 ± 0.0000390625 |        |

| T                               |       |                                 |       | V      |
|---------------------------------|-------|---------------------------------|-------|--------|
| Actual Function                 | Count | Expected Function               | Count | Result |
| BilinearXMYM_u16_u16XMu16YM_Cnt | 1     | BilinearXMYM_u16_u16XMu16YM_Cnt | 1     | ~      |





| Name  | Input Value  |                           |       |
|---|--------------|---------------------------|-------|
| CcwEOT_HwDeg_T_f32                              | -700.609985  |                           |       |
| CWEOT_HWDeg_T_132                               | 400.354004   |                           |       |
| EOTActuatorMng_Damping_MtrNm_M_f32              | 1.39999998   |                           |       |
| EOTActuatorMng_SESState_Uls_M_enum              | SES NORMAL   |                           |       |
| HandWheelPos_HwDeg_T_f32                        | -1000.01001  |                           |       |
| MotorVel_MtrRadpS_T_f32                         | 330.984985   |                           |       |
| VehicleSpeed_Kph_T_f32                          | 350.100006   |                           |       |
| k_EOTPosDepDempFinalSlew_MtrNmpS_T_f32          | 81.0899963   |                           |       |
| t2_EOTExPosDepDmpTblY_MtrNmpRadps_u0p16[0][0]   | 137          |                           |       |
| t2_EOTExPosDepDmpTblY_MtrNmpRadps_u0p16[0][1]   | 194          |                           |       |
| t2_EOTEXPosDepDmpTblY_MtrNmpRadps_u0p16[1][0]   | 213          |                           |       |
| t2_EOTEXHOSESPEMPTOHT_INITIMIPRADPS_u0p16[1][1] | 302          |                           |       |
| t2_EOTEXPosDepDmpTblY_MtrNmpRadps_u0p16[2][0]   | 213          |                           |       |
| t2_EOTEXPosDepDmpTblY_MtrNmpRadps_u0p16[2][1]   | 302          |                           |       |
| t2_EOTEXT ossep5mp1sH_MitrNmpRadps_u0p16[3][0]  | 168          |                           |       |
| t2_EOTExPosDepDmpTblY_MtrNmpRadps_u0p16[3][1]   | 237          |                           |       |
| t2_EOTPosDepDmpTblX_HwDeg_u12p4[0][0]           | 64           |                           |       |
| t2_EOTPosDepDmpTblX_HwDeg_u12p4[0][1]           | 224          |                           |       |
| t2_EOTPosDepDmpTbIX_HwDeg_u12p4[1][0]           | 736          |                           |       |
| t2_EOTPosDepDmpTblX_HwDeg_u12p4[1][1]           | 1264         |                           |       |
| t2_EOTPosDepDmpTblX_HwDeg_u12p4[2][0]           | 784          |                           |       |
| t2_EOTPosDepDmpTblX_HwDeg_u12p4[2][1]           | 1168         |                           |       |
| t2_EOTPosDepDmpTbIX_HwDeg_u12p4[3][0]           | 928          |                           |       |
| t2_EOTPosDepDmpTblX_HwDeg_u12p4[3][1]           | 4160         |                           |       |
| t2_EOTPosDepDmpTblY_MtrNmpRadpS_u0p16[0][0]     | 137          |                           |       |
| t2_EOTPosDepDmpTblY_MtrNmpRadpS_u0p16[0][1]     | 194          |                           |       |
| t2_EOTPosDepDmpTblY_MtrNmpRadpS_u0p16[1][0]     | 274          |                           |       |
| t2_EOTPosDepDmpTblY_MtrNmpRadpS_u0p16[1][1]     | 388          |                           |       |
| t2_EOTPosDepDmpTblY_MtrNmpRadpS_u0p16[2][0]     | 198          |                           |       |
| t2_EOTPosDepDmpTblY_MtrNmpRadpS_u0p16[2][1]     | 280          |                           |       |
| t2_EOTPosDepDmpTblY_MtrNmpRadpS_u0p16[3][0]     | 114          |                           |       |
| t2_EOTPosDepDmpTblY_MtrNmpRadpS_u0p16[3][1]     | 804          |                           |       |
| t_EOTDmpVspd_Kph_u9p7[0]                        | 1280         |                           |       |
| t_EOTDmpVspd_Kph_u9p7[1]                        | 2816         |                           |       |
| t_EOTDmpVspd_Kph_u9p7[2]                        | 3840         |                           |       |
| t_EOTDmpVspd_Kph_u9p7[3]                        | 5760         |                           |       |
| Name  | Actual Value | Expected Value            | Resul |
| EOTActuatorMng_Damping_MtrNm_M_f32              | 1.56218004   | 1.56218004 ± 0.0000390625 | Resul |
|   | . 1.30∠15004 | 1.30210004 ± 0.0000390625 |       |

| Τ                               |       |                                 |       | <b>✓</b> |
|---------------------------------|-------|---------------------------------|-------|----------|
| Actual Function                 | Count | Expected Function               | Count | Result   |
| BilinearXMYM_u16_u16XMu16YM_Cnt | 1     | BilinearXMYM_u16_u16XMu16YM_Cnt | 1     | ~        |

| Test Step 2.11 (Repeat Count = 1)             | <b>✓</b>     |
|---|--------------|
| Name  | Input Value  |
| CcwEOT_HwDeg_T_f32                            | -600.780029  |
| CwEOT_HwDeg_T_f32                             | 300.783997   |
| EOTActuatorMng_Damping_MtrNm_M_f32            | 1.60000002   |
| EOTActuatorMng_SESState_Uls_M_enum            | SES_ENTERING |
| HandWheelPos_HwDeg_T_f32                      | -1440.10999  |
| MotorVel_MtrRadpS_T_f32                       | 354.846985   |
| VehicleSpeed_Kph_T_f32                        | 160.311996   |
| k_EOTPosDepDempFinalSlew_MtrNmpS_T_f32        | 91.0999985   |
| t2_EOTExPosDepDmpTblY_MtrNmpRadps_u0p16[0][0] | 153          |
| t2_EOTExPosDepDmpTblY_MtrNmpRadps_u0p16[0][1] | 216          |
| t2_EOTExPosDepDmpTblY_MtrNmpRadps_u0p16[1][0] | 228          |
| t2_EOTExPosDepDmpTblY_MtrNmpRadps_u0p16[1][1] | 323          |
| t2_EOTExPosDepDmpTblY_MtrNmpRadps_u0p16[2][0] | 228          |
| t2_EOTExPosDepDmpTblY_MtrNmpRadps_u0p16[2][1] | 323          |
| t2_EOTExPosDepDmpTblY_MtrNmpRadps_u0p16[3][0] | 183          |
| t2_EOTExPosDepDmpTblY_MtrNmpRadps_u0p16[3][1] | 259          |
| t2_EOTPosDepDmpTblX_HwDeg_u12p4[0][0]         | 48           |
| t2_EOTPosDepDmpTblX_HwDeg_u12p4[0][1]         | 240          |
| t2_EOTPosDepDmpTblX_HwDeg_u12p4[1][0]         | 768          |
| t2_EOTPosDepDmpTblX_HwDeg_u12p4[1][1]         | 1280         |
| t2_EOTPosDepDmpTblX_HwDeg_u12p4[2][0]         | 800          |



| Name  | Input Value  |                           |        |
|---|--------------|---------------------------|--------|
| t2_EOTPosDepDmpTblX_HwDeg_u12p4[2][1]       | 1184         |                           |        |
| t2_EOTPosDepDmpTblX_HwDeg_u12p4[3][0]       | 800          |                           |        |
| t2_EOTPosDepDmpTblX_HwDeg_u12p4[3][1]       | 4176         |                           |        |
| t2_EOTPosDepDmpTblY_MtrNmpRadpS_u0p16[0][0] | 153          |                           |        |
| t2_EOTPosDepDmpTblY_MtrNmpRadpS_u0p16[0][1] | 216          |                           |        |
| t2_EOTPosDepDmpTblY_MtrNmpRadpS_u0p16[1][0] | 289          |                           |        |
| t2_EOTPosDepDmpTblY_MtrNmpRadpS_u0p16[1][1] | 409          |                           |        |
| t2_EOTPosDepDmpTblY_MtrNmpRadpS_u0p16[2][0] | 213          |                           |        |
| t2_EOTPosDepDmpTblY_MtrNmpRadpS_u0p16[2][1] | 302          |                           |        |
| t2_EOTPosDepDmpTblY_MtrNmpRadpS_u0p16[3][0] | 116          |                           |        |
| t2_EOTPosDepDmpTblY_MtrNmpRadpS_u0p16[3][1] | 819          |                           |        |
| t_EOTDmpVspd_Kph_u9p7[0]                    | 6400         |                           |        |
| t_EOTDmpVspd_Kph_u9p7[1]                    | 7680         |                           |        |
| t_EOTDmpVspd_Kph_u9p7[2]                    | 8960         |                           |        |
| t_EOTDmpVspd_Kph_u9p7[3]                    | 10240        |                           |        |
| Name  | Actual Value | Expected Value            | Result |
| EOTActuatorMng_Damping_MtrNm_M_f32          | 1.78219998   | 1.78219998 ± 0.0000390625 | ~      |
| SES_CalcEOTDamp()                           | 1.78219998   | 1.78219998                | ~      |
|   |              |                           |        |

| T                               |       |                                 |       | <b>✓</b> |
|---------------------------------|-------|---------------------------------|-------|----------|
| Actual Function                 | Count | Expected Function               | Count | Result   |
| BilinearXMYM_u16_u16XMu16YM_Cnt | 1     | BilinearXMYM_u16_u16XMu16YM_Cnt | 1     | ~        |

| Test Step 2.12 (Repeat Count = 1) Name        | Input Value  |                           |        |
|---|--------------|---------------------------|--------|
|   | · ·          |                           |        |
| CcwEOT_HwDeg_T_f32                            | -500.410004  |                           |        |
| CwEOT_HwDeg_T_f32                             | 750.125977   |                           |        |
| EOTActuatorMng_Damping_MtrNm_M_f32            | 1.79999995   |                           |        |
| EOTActuatorMng_SESState_Uls_M_enum            | SES_NORMAL   |                           |        |
| HandWheelPos_HwDeg_T_f32                      | 1440.10999   |                           |        |
| MotorVel_MtrRadpS_T_f32                       | 440.958008   |                           |        |
| VehicleSpeed_Kph_T_f32                        | 260.450989   |                           |        |
| k_EOTPosDepDempFinalSlew_MtrNmpS_T_f32        | 101.110001   |                           |        |
| t2_EOTExPosDepDmpTblY_MtrNmpRadps_u0p16[0][0] | 168          |                           |        |
| t2_EOTExPosDepDmpTblY_MtrNmpRadps_u0p16[0][1] | 237          |                           |        |
| t2_EOTExPosDepDmpTblY_MtrNmpRadps_u0p16[1][0] | 243          |                           |        |
| t2_EOTExPosDepDmpTblY_MtrNmpRadps_u0p16[1][1] | 345          |                           |        |
| t2_EOTExPosDepDmpTblY_MtrNmpRadps_u0p16[2][0] | 243          |                           |        |
| t2_EOTExPosDepDmpTbIY_MtrNmpRadps_u0p16[2][1] | 345          |                           |        |
| t2_EOTExPosDepDmpTblY_MtrNmpRadps_u0p16[3][0] | 198          |                           |        |
| t2_EOTExPosDepDmpTblY_MtrNmpRadps_u0p16[3][1] | 280          |                           |        |
| t2_EOTPosDepDmpTblX_HwDeg_u12p4[0][0]         | 32           |                           |        |
| t2_EOTPosDepDmpTbIX_HwDeg_u12p4[0][1]         | 256          |                           |        |
| t2_EOTPosDepDmpTblX_HwDeg_u12p4[1][0]         | 800          |                           |        |
| t2_EOTPosDepDmpTblX_HwDeg_u12p4[1][1]         | 1296         |                           |        |
| t2_EOTPosDepDmpTblX_HwDeg_u12p4[2][0]         | 816          |                           |        |
| t2_EOTPosDepDmpTblX_HwDeg_u12p4[2][1]         | 1200         |                           |        |
| t2_EOTPosDepDmpTblX_HwDeg_u12p4[3][0]         | 816          |                           |        |
| t2_EOTPosDepDmpTblX_HwDeg_u12p4[3][1]         | 4192         |                           |        |
| t2_EOTPosDepDmpTblY_MtrNmpRadpS_u0p16[0][0]   | 168          |                           |        |
| t2_EOTPosDepDmpTblY_MtrNmpRadpS_u0p16[0][1]   | 237          |                           |        |
| t2_EOTPosDepDmpTblY_MtrNmpRadpS_u0p16[1][0]   | 304          |                           |        |
| t2_EOTPosDepDmpTblY_MtrNmpRadpS_u0p16[1][1]   | 431          |                           |        |
| t2_EOTPosDepDmpTblY_MtrNmpRadpS_u0p16[2][0]   | 228          |                           |        |
| t2_EOTPosDepDmpTblY_MtrNmpRadpS_u0p16[2][1]   | 323          |                           |        |
| t2_EOTPosDepDmpTblY_MtrNmpRadpS_u0p16[3][0]   | 528          |                           |        |
| t2_EOTPosDepDmpTblY_MtrNmpRadpS_u0p16[3][1]   | 834          |                           |        |
| t_EOTDmpVspd_Kph_u9p7[0]                      | 11520        |                           |        |
| t_EOTDmpVspd_Kph_u9p7[1]                      | 15360        |                           |        |
| t_EOTDmpVspd_Kph_u9p7[2]                      | 14080        |                           |        |
| t_EOTDmpVspd_Kph_u9p7[3]                      | 16000        |                           |        |
| Name  | Actual Value | Expected Value            | Result |
| EOTActuatorMng_Damping_MtrNm_M_f32            | 2.00221992   | 2.00221992 ± 0.0000390625 | Kesuli |
| SES CalcEOTDamp()                             | 2.00221992   | 2.00221992 ± 0.0000390623 |        |

| T                               |       |                                 |       |        |  |
|---------------------------------|-------|---------------------------------|-------|--------|--|
| Actual Function                 | Count | Expected Function               | Count | Result |  |
| BilinearXMYM_u16_u16XMu16YM_Cnt | 1     | BilinearXMYM_u16_u16XMu16YM_Cnt | 1     | ~      |  |





| Test Step 2.13 (Repeat Count = 1)             |              |                           | V        |  |
|---|--------------|---------------------------|----------|--|
| Name  | Input Value  |                           |          |  |
| CcwEOT_HwDeg_T_f32                            | -400.540009  | •                         |          |  |
| CwEOT_HwDeg_T_f32                             | 850.351013   |                           |          |  |
| EOTActuatorMng_Damping_MtrNm_M_f32            | 2            |                           |          |  |
| EOTActuatorMng_SESState_Uls_M_enum            | SES_ENTERING |                           |          |  |
| HandWheelPos_HwDeg_T_f32                      | 0            |                           |          |  |
| MotorVel_MtrRadpS_T_f32                       | 477.653992   |                           |          |  |
| VehicleSpeed_Kph_T_f32                        | 360.156006   |                           |          |  |
| k_EOTPosDepDempFinalSlew_MtrNmpS_T_f32        | 111.120003   |                           |          |  |
| t2_EOTExPosDepDmpTblY_MtrNmpRadps_u0p16[0][0] | 183          |                           |          |  |
| t2_EOTExPosDepDmpTblY_MtrNmpRadps_u0p16[0][1] | 259          |                           |          |  |
| t2_EOTExPosDepDmpTblY_MtrNmpRadps_u0p16[1][0] | 259          |                           |          |  |
| t2_EOTExPosDepDmpTblY_MtrNmpRadps_u0p16[1][1] | 366          |                           |          |  |
| t2_EOTExPosDepDmpTblY_MtrNmpRadps_u0p16[2][0] | 259          |                           |          |  |
| t2_EOTExPosDepDmpTblY_MtrNmpRadps_u0p16[2][1] | 366          |                           |          |  |
| t2_EOTExPosDepDmpTblY_MtrNmpRadps_u0p16[3][0] | 213          | 213                       |          |  |
| t2_EOTExPosDepDmpTblY_MtrNmpRadps_u0p16[3][1] | 302          |                           |          |  |
| t2_EOTPosDepDmpTblX_HwDeg_u12p4[0][0]         | 16           |                           |          |  |
| t2_EOTPosDepDmpTblX_HwDeg_u12p4[0][1]         | 272          |                           |          |  |
| t2_EOTPosDepDmpTblX_HwDeg_u12p4[1][0]         | 832          |                           |          |  |
| t2_EOTPosDepDmpTblX_HwDeg_u12p4[1][1]         | 1312         |                           |          |  |
| t2_EOTPosDepDmpTblX_HwDeg_u12p4[2][0]         | 832          |                           |          |  |
| t2_EOTPosDepDmpTblX_HwDeg_u12p4[2][1]         | 1216         |                           |          |  |
| t2_EOTPosDepDmpTblX_HwDeg_u12p4[3][0]         | 864          |                           |          |  |
| t2_EOTPosDepDmpTblX_HwDeg_u12p4[3][1]         | 4208         |                           |          |  |
| t2_EOTPosDepDmpTblY_MtrNmpRadpS_u0p16[0][0]   | 183          |                           |          |  |
| t2_EOTPosDepDmpTblY_MtrNmpRadpS_u0p16[0][1]   | 259          |                           |          |  |
| t2_EOTPosDepDmpTblY_MtrNmpRadpS_u0p16[1][0]   | 319          |                           |          |  |
| t2_EOTPosDepDmpTblY_MtrNmpRadpS_u0p16[1][1]   | 452          |                           |          |  |
| t2_EOTPosDepDmpTblY_MtrNmpRadpS_u0p16[2][0]   | 243          |                           |          |  |
| t2_EOTPosDepDmpTblY_MtrNmpRadpS_u0p16[2][1]   | 345          |                           |          |  |
| t2_EOTPosDepDmpTblY_MtrNmpRadpS_u0p16[3][0]   | 549          |                           |          |  |
| t2_EOTPosDepDmpTblY_MtrNmpRadpS_u0p16[3][1]   | 849          |                           |          |  |
| t_EOTDmpVspd_Kph_u9p7[0]                      | 0            |                           |          |  |
| t_EOTDmpVspd_Kph_u9p7[1]                      | 640          |                           |          |  |
| t_EOTDmpVspd_Kph_u9p7[2]                      | 1280         |                           |          |  |
| t_EOTDmpVspd_Kph_u9p7[3]                      | 2560         |                           |          |  |
| Name  | Actual Value | Expected Value            | Result   |  |
| EOTActuatorMng_Damping_MtrNm_M_f32            | 2.2223997    | 2.22223997 ± 0.0000390625 | ~        |  |
| SES_CalcEOTDamp()                             | 2.2223997    | 2.2223997                 | <b>~</b> |  |

| T                               |       |                                 |       |        |
|---------------------------------|-------|---------------------------------|-------|--------|
| Actual Function                 | Count | Expected Function               | Count | Result |
| BilinearXMYM_u16_u16XMu16YM_Cnt | 1     | BilinearXMYM_u16_u16XMu16YM_Cnt | 1     | ~      |

| Test Step 2.14 (Repeat Count = 1)             | Invest Welve |  |
|---|--------------|--|
| Name  | Input Value  |  |
| CcwEOT_HwDeg_T_f32                            | -300.140015  |  |
| CwEOT_HwDeg_T_f32                             | 950.215027   |  |
| EOTActuatorMng_Damping_MtrNm_M_f32            | 2.20000005   |  |
| EOTActuatorMng_SESState_Uls_M_enum            | SES_NORMAL   |  |
| HandWheelPos_HwDeg_T_f32                      | 300.100006   |  |
| MotorVel_MtrRadpS_T_f32                       | 550.325012   |  |
| VehicleSpeed_Kph_T_f32                        | 460.851013   |  |
| k_EOTPosDepDempFinalSlew_MtrNmpS_T_f32        | 121.129997   |  |
| t2_EOTExPosDepDmpTblY_MtrNmpRadps_u0p16[0][0] | 198          |  |
| t2_EOTExPosDepDmpTblY_MtrNmpRadps_u0p16[0][1] | 280          |  |
| t2_EOTExPosDepDmpTblY_MtrNmpRadps_u0p16[1][0] | 274          |  |
| t2_EOTExPosDepDmpTblY_MtrNmpRadps_u0p16[1][1] | 388          |  |
| t2_EOTExPosDepDmpTblY_MtrNmpRadps_u0p16[2][0] | 274          |  |
| t2_EOTExPosDepDmpTblY_MtrNmpRadps_u0p16[2][1] | 388          |  |
| t2_EOTExPosDepDmpTblY_MtrNmpRadps_u0p16[3][0] | 228          |  |
| t2_EOTExPosDepDmpTblY_MtrNmpRadps_u0p16[3][1] | 323          |  |
| t2_EOTPosDepDmpTblX_HwDeg_u12p4[0][0]         | 0            |  |
| t2_EOTPosDepDmpTblX_HwDeg_u12p4[0][1]         | 288          |  |
| t2_EOTPosDepDmpTblX_HwDeg_u12p4[1][0]         | 864          |  |
| t2_EOTPosDepDmpTblX_HwDeg_u12p4[1][1]         | 1328         |  |
| t2_EOTPosDepDmpTblX_HwDeg_u12p4[2][0]         | 848          |  |



#### 015-06- 9, 1 : 9:50+05 0



| Name  | Input Value  |                           |          |
|---|--------------|---------------------------|----------|
| t2_EOTPosDepDmpTblX_HwDeg_u12p4[2][1]       | 1232         |                           |          |
| t2_EOTPosDepDmpTblX_HwDeg_u12p4[3][0]       | 896          |                           |          |
| t2_EOTPosDepDmpTblX_HwDeg_u12p4[3][1]       | 4224         |                           |          |
| t2_EOTPosDepDmpTblY_MtrNmpRadpS_u0p16[0][0] | 198          |                           |          |
| t2_EOTPosDepDmpTblY_MtrNmpRadpS_u0p16[0][1] | 280          |                           |          |
| t2_EOTPosDepDmpTblY_MtrNmpRadpS_u0p16[1][0] | 334          |                           |          |
| t2_EOTPosDepDmpTblY_MtrNmpRadpS_u0p16[1][1] | 474          |                           |          |
| t2_EOTPosDepDmpTblY_MtrNmpRadpS_u0p16[2][0] | 259          |                           |          |
| t2_EOTPosDepDmpTblY_MtrNmpRadpS_u0p16[2][1] | 366          |                           |          |
| t2_EOTPosDepDmpTblY_MtrNmpRadpS_u0p16[3][0] | 86           |                           |          |
| t2_EOTPosDepDmpTblY_MtrNmpRadpS_u0p16[3][1] | 571          |                           |          |
| t_EOTDmpVspd_Kph_u9p7[0]                    | 1280         |                           |          |
| t_EOTDmpVspd_Kph_u9p7[1]                    | 2816         |                           |          |
| t_EOTDmpVspd_Kph_u9p7[2]                    | 3840         |                           |          |
| t_EOTDmpVspd_Kph_u9p7[3]                    | 5632         |                           |          |
| Name  | Actual Value | Expected Value            | Result   |
| EOTActuatorMng_Damping_MtrNm_M_f32          | 1.95774007   | 1.95773995 ± 0.0000390625 | ~        |
| SES_CalcEOTDamp()                           | 1.95774007   | 1.95773995                | <b>✓</b> |

| T                               |       |                                 |       | <b>✓</b> |
|---------------------------------|-------|---------------------------------|-------|----------|
| Actual Function                 | Count | Expected Function               | Count | Result   |
| BilinearXMYM_u16_u16XMu16YM_Cnt | 1     | BilinearXMYM_u16_u16XMu16YM_Cnt | 1     | ~        |

| Test Step 2.15 (Repeat Count = 1)             |              |                           | V      |
|---|--------------|---------------------------|--------|
| Name  | Input Value  |                           |        |
| CcwEOT_HwDeg_T_f32                            | -200.25      |                           |        |
| CwEOT_HwDeg_T_f32                             | 350.240997   |                           |        |
| EOTActuatorMng_Damping_MtrNm_M_f32            | 2.4000001    |                           |        |
| EOTActuatorMng_SESState_Uls_M_enum            | SES_ENTERING |                           |        |
| HandWheelPos_HwDeg_T_f32                      | -300.100006  |                           |        |
| MotorVel_MtrRadpS_T_f32                       | 744.851013   |                           |        |
| VehicleSpeed_Kph_T_f32                        | 70.4779968   |                           |        |
| k_EOTPosDepDempFinalSlew_MtrNmpS_T_f32        | 131.139999   |                           |        |
| t2_EOTExPosDepDmpTblY_MtrNmpRadps_u0p16[0][0] | 213          |                           |        |
| t2_EOTExPosDepDmpTblY_MtrNmpRadps_u0p16[0][1] | 302          |                           |        |
| t2_EOTExPosDepDmpTblY_MtrNmpRadps_u0p16[1][0] | 289          |                           |        |
| t2_EOTExPosDepDmpTblY_MtrNmpRadps_u0p16[1][1] | 409          |                           |        |
| t2_EOTExPosDepDmpTblY_MtrNmpRadps_u0p16[2][0] | 289          |                           |        |
| t2_EOTExPosDepDmpTblY_MtrNmpRadps_u0p16[2][1] | 409          |                           |        |
| t2_EOTExPosDepDmpTblY_MtrNmpRadps_u0p16[3][0] | 243          |                           |        |
| t2_EOTExPosDepDmpTblY_MtrNmpRadps_u0p16[3][1] | 345          |                           |        |
| t2_EOTPosDepDmpTblX_HwDeg_u12p4[0][0]         | 144          |                           |        |
| t2_EOTPosDepDmpTblX_HwDeg_u12p4[0][1]         | 304          |                           |        |
| t2_EOTPosDepDmpTblX_HwDeg_u12p4[1][0]         | 896          |                           |        |
| t2_EOTPosDepDmpTblX_HwDeg_u12p4[1][1]         | 1344         |                           |        |
| t2_EOTPosDepDmpTblX_HwDeg_u12p4[2][0]         | 864          |                           |        |
| t2_EOTPosDepDmpTblX_HwDeg_u12p4[2][1]         | 1248         |                           |        |
| t2_EOTPosDepDmpTblX_HwDeg_u12p4[3][0]         | 928          |                           |        |
| t2_EOTPosDepDmpTblX_HwDeg_u12p4[3][1]         | 4240         |                           |        |
| t2_EOTPosDepDmpTblY_MtrNmpRadpS_u0p16[0][0]   | 213          |                           |        |
| t2_EOTPosDepDmpTblY_MtrNmpRadpS_u0p16[0][1]   | 302          |                           |        |
| t2_EOTPosDepDmpTblY_MtrNmpRadpS_u0p16[1][0]   | 349          |                           |        |
| t2_EOTPosDepDmpTblY_MtrNmpRadpS_u0p16[1][1]   | 495          |                           |        |
| t2_EOTPosDepDmpTblY_MtrNmpRadpS_u0p16[2][0]   | 274          |                           |        |
| t2_EOTPosDepDmpTblY_MtrNmpRadpS_u0p16[2][1]   | 388          |                           |        |
| t2_EOTPosDepDmpTblY_MtrNmpRadpS_u0p16[3][0]   | 88           |                           |        |
| t2_EOTPosDepDmpTblY_MtrNmpRadpS_u0p16[3][1]   | 592          |                           |        |
| t_EOTDmpVspd_Kph_u9p7[0]                      | 6400         |                           |        |
| t_EOTDmpVspd_Kph_u9p7[1]                      | 7680         |                           |        |
| t_EOTDmpVspd_Kph_u9p7[2]                      | 8960         |                           |        |
| t_EOTDmpVspd_Kph_u9p7[3]                      | 10240        |                           |        |
| Name  | Actual Value | Expected Value            | Result |
| EOTActuatorMng_Damping_MtrNm_M_f32            | 2.66228008   | 2.66228008 ± 0.0000390625 |        |
| SES_CalcEOTDamp()                             | 2.66228008   | 2.66228008                | •      |

| T                               |       |                                 |       | V      |
|---------------------------------|-------|---------------------------------|-------|--------|
| Actual Function                 | Count | Expected Function               | Count | Result |
| BilinearXMYM_u16_u16XMu16YM_Cnt | 1     | BilinearXMYM_u16_u16XMu16YM_Cnt | 1     | ~      |





| Test Step 2.16 (Repeat Count = 1)             |              |                           | <b>✓</b> |
|---|--------------|---------------------------|----------|
| Name  | Input Value  |                           |          |
| CcwEOT_HwDeg_T_f32                            | -100.019997  |                           |          |
| CwEOT_HwDeg_T_f32                             | 520.202026   |                           |          |
| EOTActuatorMng_Damping_MtrNm_M_f32            | 2.5999999    |                           |          |
| EOTActuatorMng_SESState_Uls_M_enum            | SES_NORMAL   |                           |          |
| HandWheelPos_HwDeg_T_f32                      | 1300.01294   |                           |          |
| MotorVel_MtrRadpS_T_f32                       | -1118        |                           |          |
| VehicleSpeed_Kph_T_f32                        | 170.248001   |                           |          |
| k_EOTPosDepDempFinalSlew_MtrNmpS_T_f32        | 141.149994   |                           |          |
| t2_EOTExPosDepDmpTblY_MtrNmpRadps_u0p16[0][0] | 228          |                           |          |
| t2_EOTExPosDepDmpTblY_MtrNmpRadps_u0p16[0][1] | 323          |                           |          |
| t2_EOTExPosDepDmpTblY_MtrNmpRadps_u0p16[1][0] | 304          |                           |          |
| t2_EOTExPosDepDmpTblY_MtrNmpRadps_u0p16[1][1] | 431          |                           |          |
| t2_EOTExPosDepDmpTblY_MtrNmpRadps_u0p16[2][0] | 304          |                           |          |
| t2_EOTExPosDepDmpTblY_MtrNmpRadps_u0p16[2][1] | 431          |                           |          |
| t2_EOTExPosDepDmpTblY_MtrNmpRadps_u0p16[3][0] | 259          |                           |          |
| t2_EOTExPosDepDmpTblY_MtrNmpRadps_u0p16[3][1] | 366          |                           |          |
| t2_EOTPosDepDmpTblX_HwDeg_u12p4[0][0]         | 128          |                           |          |
| t2_EOTPosDepDmpTblX_HwDeg_u12p4[0][1]         | 320          |                           |          |
| t2_EOTPosDepDmpTblX_HwDeg_u12p4[1][0]         | 928          |                           |          |
| t2_EOTPosDepDmpTblX_HwDeg_u12p4[1][1]         | 1360         |                           |          |
| t2_EOTPosDepDmpTblX_HwDeg_u12p4[2][0]         | 880          |                           |          |
| t2_EOTPosDepDmpTblX_HwDeg_u12p4[2][1]         | 1264         |                           |          |
| t2_EOTPosDepDmpTblX_HwDeg_u12p4[3][0]         | 800          |                           |          |
| t2_EOTPosDepDmpTblX_HwDeg_u12p4[3][1]         | 4256         |                           |          |
| t2_EOTPosDepDmpTblY_MtrNmpRadpS_u0p16[0][0]   | 228          |                           |          |
| t2_EOTPosDepDmpTblY_MtrNmpRadpS_u0p16[0][1]   | 323          |                           |          |
| t2_EOTPosDepDmpTblY_MtrNmpRadpS_u0p16[1][0]   | 365          |                           |          |
| t2_EOTPosDepDmpTblY_MtrNmpRadpS_u0p16[1][1]   | 517          |                           |          |
| t2_EOTPosDepDmpTblY_MtrNmpRadpS_u0p16[2][0]   | 289          |                           |          |
| t2_EOTPosDepDmpTblY_MtrNmpRadpS_u0p16[2][1]   | 409          |                           |          |
| t2_EOTPosDepDmpTblY_MtrNmpRadpS_u0p16[3][0]   | 614          |                           |          |
| t2_EOTPosDepDmpTblY_MtrNmpRadpS_u0p16[3][1]   | 894          |                           |          |
| t_EOTDmpVspd_Kph_u9p7[0]                      | 11520        |                           |          |
| t_EOTDmpVspd_Kph_u9p7[1]                      | 12928        |                           |          |
| t_EOTDmpVspd_Kph_u9p7[2]                      | 14080        |                           |          |
| t_EOTDmpVspd_Kph_u9p7[3]                      | 16000        |                           |          |
| Name  | Actual Value | Expected Value            | Result   |
| EOTActuatorMng_Damping_MtrNm_M_f32            | 2.31769991   | 2.31769991 ± 0.0000390625 | ~        |
| SES_CalcEOTDamp()                             | 2.31769991   | 2.31769991                | <b>~</b> |

| Τ                               |       |                                 |       | <b>✓</b> |
|---------------------------------|-------|---------------------------------|-------|----------|
| Actual Function                 | Count | Expected Function               | Count | Result   |
| BilinearXMYM_u16_u16XMu16YM_Cnt | 1     | BilinearXMYM_u16_u16XMu16YM_Cnt | 1     | ~        |

| Test Step 2.17 (Repeat Count = 1)             | Innut Value  |  |
|---|--------------|--|
| Name  | Input Value  |  |
| CcwEOT_HwDeg_T_f32                            | -150.009995  |  |
| CwEOT_HwDeg_T_f32                             | 350.324005   |  |
| EOTActuatorMng_Damping_MtrNm_M_f32            | 2.79999995   |  |
| EOTActuatorMng_SESState_Uls_M_enum            | SES_ENTERING |  |
| HandWheelPos_HwDeg_T_f32                      | -1300.30103  |  |
| MotorVel_MtrRadpS_T_f32                       | 1118         |  |
| VehicleSpeed_Kph_T_f32                        | 270.653992   |  |
| k_EOTPosDepDempFinalSlew_MtrNmpS_T_f32        | 151.160004   |  |
| t2_EOTExPosDepDmpTblY_MtrNmpRadps_u0p16[0][0] | 243          |  |
| t2_EOTExPosDepDmpTblY_MtrNmpRadps_u0p16[0][1] | 345          |  |
| t2_EOTExPosDepDmpTblY_MtrNmpRadps_u0p16[1][0] | 319          |  |
| t2_EOTExPosDepDmpTblY_MtrNmpRadps_u0p16[1][1] | 452          |  |
| t2_EOTExPosDepDmpTblY_MtrNmpRadps_u0p16[2][0] | 319          |  |
| t2_EOTExPosDepDmpTblY_MtrNmpRadps_u0p16[2][1] | 452          |  |
| t2_EOTExPosDepDmpTblY_MtrNmpRadps_u0p16[3][0] | 274          |  |
| t2_EOTExPosDepDmpTblY_MtrNmpRadps_u0p16[3][1] | 388          |  |
| t2_EOTPosDepDmpTblX_HwDeg_u12p4[0][0]         | 112          |  |
| t2_EOTPosDepDmpTblX_HwDeg_u12p4[0][1]         | 336          |  |
| t2_EOTPosDepDmpTblX_HwDeg_u12p4[1][0]         | 960          |  |
| t2_EOTPosDepDmpTblX_HwDeg_u12p4[1][1]         | 1376         |  |
| t2_EOTPosDepDmpTblX_HwDeg_u12p4[2][0]         | 896          |  |



015-06- 9, 1 : 9:50+05 0



| Name  | Input Value  |                           |        |
|---|--------------|---------------------------|--------|
| t2_EOTPosDepDmpTbIX_HwDeg_u12p4[2][1]       | 1280         |                           |        |
| t2_EOTPosDepDmpTbIX_HwDeg_u12p4[3][0]       | 832          |                           |        |
| t2_EOTPosDepDmpTblX_HwDeg_u12p4[3][1]       | 4272         |                           |        |
| t2_EOTPosDepDmpTblY_MtrNmpRadpS_u0p16[0][0] | 243          |                           |        |
| t2_EOTPosDepDmpTblY_MtrNmpRadpS_u0p16[0][1] | 345          |                           |        |
| t2_EOTPosDepDmpTblY_MtrNmpRadpS_u0p16[1][0] | 380          |                           |        |
| t2_EOTPosDepDmpTblY_MtrNmpRadpS_u0p16[1][1] | 538          |                           |        |
| t2_EOTPosDepDmpTblY_MtrNmpRadpS_u0p16[2][0] | 304          |                           |        |
| t2_EOTPosDepDmpTblY_MtrNmpRadpS_u0p16[2][1] | 431          |                           |        |
| t2_EOTPosDepDmpTblY_MtrNmpRadpS_u0p16[3][0] | 91           |                           |        |
| t2_EOTPosDepDmpTblY_MtrNmpRadpS_u0p16[3][1] | 635          |                           |        |
| t_EOTDmpVspd_Kph_u9p7[0]                    | 0            |                           |        |
| t_EOTDmpVspd_Kph_u9p7[1]                    | 768          |                           |        |
| t_EOTDmpVspd_Kph_u9p7[2]                    | 1280         |                           |        |
| t_EOTDmpVspd_Kph_u9p7[3]                    | 2560         |                           |        |
| Name  | Actual Value | Expected Value            | Result |
| EOTActuatorMng_Damping_MtrNm_M_f32          | 3.10231996   | 3.10231996 ± 0.0000390625 | ~      |
| SES_CalcEOTDamp()                           | 3.10231996   | 3.10231996                | ~      |

| T                               |       |                                 |       | <b>✓</b> |
|---------------------------------|-------|---------------------------------|-------|----------|
| Actual Function                 | Count | Expected Function               | Count | Result   |
| BilinearXMYM_u16_u16XMu16YM_Cnt | 1     | BilinearXMYM_u16_u16XMu16YM_Cnt | 1     | ~        |

| Test Step 2.18 (Repeat Count = 1)             |              |                           |          |
|---|--------------|---------------------------|----------|
| Name  | Input Value  |                           |          |
| CcwEOT_HwDeg_T_f32                            | -250.029999  |                           |          |
| CwEOT_HwDeg_T_f32                             | 450.023987   |                           |          |
| EOTActuatorMng_Damping_MtrNm_M_f32            | 3            |                           |          |
| EOTActuatorMng_SESState_Uls_M_enum            | SES_NORMAL   |                           |          |
| HandWheelPos_HwDeg_T_f32                      | 1200.021     |                           |          |
| MotorVel_MtrRadpS_T_f32                       | 0            |                           |          |
| VehicleSpeed_Kph_T_f32                        | 370.356995   |                           |          |
| k_EOTPosDepDempFinalSlew_MtrNmpS_T_f32        | 161.169998   |                           |          |
| t2_EOTExPosDepDmpTblY_MtrNmpRadps_u0p16[0][0] | 259          |                           |          |
| t2_EOTExPosDepDmpTblY_MtrNmpRadps_u0p16[0][1] | 366          |                           |          |
| t2_EOTExPosDepDmpTbIY_MtrNmpRadps_u0p16[1][0] | 334          |                           |          |
| t2_EOTExPosDepDmpTblY_MtrNmpRadps_u0p16[1][1] | 474          |                           |          |
| t2_EOTExPosDepDmpTblY_MtrNmpRadps_u0p16[2][0] | 334          |                           |          |
| t2_EOTExPosDepDmpTblY_MtrNmpRadps_u0p16[2][1] | 474          |                           |          |
| t2_EOTExPosDepDmpTblY_MtrNmpRadps_u0p16[3][0] | 289          |                           |          |
| t2_EOTExPosDepDmpTblY_MtrNmpRadps_u0p16[3][1] | 409          |                           |          |
| t2_EOTPosDepDmpTblX_HwDeg_u12p4[0][0]         | 96           |                           |          |
| t2_EOTPosDepDmpTblX_HwDeg_u12p4[0][1]         | 352          |                           |          |
| t2_EOTPosDepDmpTblX_HwDeg_u12p4[1][0]         | 992          |                           |          |
| t2_EOTPosDepDmpTblX_HwDeg_u12p4[1][1]         | 1392         |                           |          |
| t2_EOTPosDepDmpTblX_HwDeg_u12p4[2][0]         | 912          |                           |          |
| t2_EOTPosDepDmpTblX_HwDeg_u12p4[2][1]         | 1296         |                           |          |
| t2_EOTPosDepDmpTblX_HwDeg_u12p4[3][0]         | 864          |                           |          |
| t2_EOTPosDepDmpTbIX_HwDeg_u12p4[3][1]         | 4288         |                           |          |
| t2_EOTPosDepDmpTblY_MtrNmpRadpS_u0p16[0][0]   | 259          |                           |          |
| t2_EOTPosDepDmpTblY_MtrNmpRadpS_u0p16[0][1]   | 366          |                           |          |
| t2_EOTPosDepDmpTblY_MtrNmpRadpS_u0p16[1][0]   | 395          |                           |          |
| t2_EOTPosDepDmpTblY_MtrNmpRadpS_u0p16[1][1]   | 560          |                           |          |
| t2_EOTPosDepDmpTblY_MtrNmpRadpS_u0p16[2][0]   | 319          |                           |          |
| t2_EOTPosDepDmpTblY_MtrNmpRadpS_u0p16[2][1]   | 452          |                           |          |
| t2_EOTPosDepDmpTblY_MtrNmpRadpS_u0p16[3][0]   | 1            |                           |          |
| t2_EOTPosDepDmpTblY_MtrNmpRadpS_u0p16[3][1]   | 1            |                           |          |
| t_EOTDmpVspd_Kph_u9p7[0]                      | 1536         |                           |          |
| t_EOTDmpVspd_Kph_u9p7[1]                      | 2816         |                           |          |
| t_EOTDmpVspd_Kph_u9p7[2]                      | 3840         |                           |          |
| t_EOTDmpVspd_Kph_u9p7[3]                      | 5376         |                           |          |
| Name  | Actual Value | Expected Value            | Result   |
| EOTActuatorMng_Damping_MtrNm_M_f32            | 2.67765999   | 2.67765999 ± 0.0000390625 | - Rosuli |
| SES CalcEOTDamp()                             | 2.67765999   | 2.67765999                |          |

| T                               |       |                                 |       | V      |
|---------------------------------|-------|---------------------------------|-------|--------|
| Actual Function                 | Count | Expected Function               | Count | Result |
| BilinearXMYM_u16_u16XMu16YM_Cnt | 1     | BilinearXMYM_u16_u16XMu16YM_Cnt | 1     | ~      |





| Test Step 2.19 (Repeat Count = 1) Name        | Input Value  |                           |       |
|---|--------------|---------------------------|-------|
| CcwEOT_HwDeg_T_f32                            | -450.209991  |                           |       |
|   | 650.502991   |                           |       |
| CWEOT_HwDeg_T_f32                             |              |                           |       |
| EOTActuatorMng_Damping_MtrNm_M_f32            | 3.20000005   |                           |       |
| EOTActuatorMng_SESState_Uls_M_enum            | SES_NORMAL   |                           |       |
| HandWheelPos_HwDeg_T_f32                      | 1100.25806   |                           |       |
| MotorVel_MtrRadpS_T_f32                       | 600.099976   |                           |       |
| VehicleSpeed_Kph_T_f32                        | 80.1559982   |                           |       |
| k_EOTPosDepDempFinalSlew_MtrNmpS_T_f32        | 171.179993   |                           |       |
| t2_EOTExPosDepDmpTblY_MtrNmpRadps_u0p16[0][0] | 274          |                           |       |
| t2_EOTExPosDepDmpTblY_MtrNmpRadps_u0p16[0][1] | 388          |                           |       |
| t2_EOTExPosDepDmpTblY_MtrNmpRadps_u0p16[1][0] | 349          |                           |       |
| t2_EOTExPosDepDmpTblY_MtrNmpRadps_u0p16[1][1] | 495          |                           |       |
| t2_EOTExPosDepDmpTblY_MtrNmpRadps_u0p16[2][0] | 349          |                           |       |
| t2_EOTExPosDepDmpTblY_MtrNmpRadps_u0p16[2][1] | 495          |                           |       |
| t2_EOTExPosDepDmpTblY_MtrNmpRadps_u0p16[3][0] | 304          |                           |       |
| t2_EOTExPosDepDmpTblY_MtrNmpRadps_u0p16[3][1] | 431          |                           |       |
| t2_EOTPosDepDmpTblX_HwDeg_u12p4[0][0]         | 80           |                           |       |
| t2_EOTPosDepDmpTbIX_HwDeg_u12p4[0][1]         | 368          |                           |       |
| t2_EOTPosDepDmpTblX_HwDeg_u12p4[1][0]         | 1024         |                           |       |
| t2_EOTPosDepDmpTblX_HwDeg_u12p4[1][1]         | 1408         |                           |       |
| t2_EOTPosDepDmpTblX_HwDeg_u12p4[2][0]         | 928          |                           |       |
| t2_EOTPosDepDmpTblX_HwDeg_u12p4[2][1]         | 1312         |                           |       |
| t2_EOTPosDepDmpTblX_HwDeg_u12p4[3][0]         | 896          |                           |       |
| t2_EOTPosDepDmpTblX_HwDeg_u12p4[3][1]         | 4304         |                           |       |
| t2_EOTPosDepDmpTblY_MtrNmpRadpS_u0p16[0][0]   | 274          |                           |       |
| t2_EOTPosDepDmpTblY_MtrNmpRadpS_u0p16[0][1]   | 388          |                           |       |
| t2_EOTPosDepDmpTblY_MtrNmpRadpS_u0p16[1][0]   | 410          |                           |       |
| t2_EOTPosDepDmpTblY_MtrNmpRadpS_u0p16[1][1]   | 581          |                           |       |
| t2_EOTPosDepDmpTblY_MtrNmpRadpS_u0p16[2][0]   | 334          |                           |       |
| t2_EOTPosDepDmpTblY_MtrNmpRadpS_u0p16[2][1]   | 474          |                           |       |
| t2_EOTPosDepDmpTblY_MtrNmpRadpS_u0p16[3][0]   | 16           |                           |       |
| t2_EOTPosDepDmpTblY_MtrNmpRadpS_u0p16[3][1]   | 22           |                           |       |
| t_EOTDmpVspd_Kph_u9p7[0]                      | 6656         |                           |       |
| t_EOTDmpVspd_Kph_u9p7[1]                      | 8064         |                           |       |
| t_EOTDmpVspd_Kph_u9p7[2]                      | 9472         |                           |       |
| t_EOTDmpVspd_Kph_u9p7[3]                      | 10880        |                           |       |
| Name  | Actual Value | Expected Value            | Resul |
| EOTActuatorMng_Damping_MtrNm_M_f32            | 2.85764003   | 2.85764003 ± 0.0000390625 | 11000 |
| SES CalcEOTDamp()                             | 2.85764003   | 2.85764003                |       |

| T                               |       |                                 |       | V      |
|---------------------------------|-------|---------------------------------|-------|--------|
| Actual Function                 | Count | Expected Function               | Count | Result |
| BilinearXMYM_u16_u16XMu16YM_Cnt | 1     | BilinearXMYM_u16_u16XMu16YM_Cnt | 1     | ~      |

| Test Step 2.20 (Repeat Count = 1)             |             |  |
|---|-------------|--|
| Name  | Input Value |  |
| CcwEOT_HwDeg_T_f32                            | -688.450012 |  |
| CwEOT_HwDeg_T_f32                             | 600.044983  |  |
| EOTActuatorMng_Damping_MtrNm_M_f32            | 3.4000001   |  |
| EOTActuatorMng_SESState_Uls_M_enum            | SES_NORMAL  |  |
| HandWheelPos_HwDeg_T_f32                      | 1000.07098  |  |
| MotorVel_MtrRadpS_T_f32                       | -600.099976 |  |
| VehicleSpeed_Kph_T_f32                        | 60.3569984  |  |
| k_EOTPosDepDempFinalSlew_MtrNmpS_T_f32        | 181.190002  |  |
| t2_EOTExPosDepDmpTblY_MtrNmpRadps_u0p16[0][0] | 9           |  |
| t2_EOTExPosDepDmpTblY_MtrNmpRadps_u0p16[0][1] | 87          |  |
| t2_EOTExPosDepDmpTblY_MtrNmpRadps_u0p16[1][0] | 87          |  |
| t2_EOTExPosDepDmpTblY_MtrNmpRadps_u0p16[1][1] | 216         |  |
| t2_EOTExPosDepDmpTblY_MtrNmpRadps_u0p16[2][0] | 87          |  |
| t2_EOTExPosDepDmpTblY_MtrNmpRadps_u0p16[2][1] | 216         |  |
| t2_EOTExPosDepDmpTblY_MtrNmpRadps_u0p16[3][0] | 11          |  |
| t2_EOTExPosDepDmpTblY_MtrNmpRadps_u0p16[3][1] | 108         |  |
| t2_EOTPosDepDmpTblX_HwDeg_u12p4[0][0]         | 128         |  |
| t2_EOTPosDepDmpTblX_HwDeg_u12p4[0][1]         | 528         |  |
| t2_EOTPosDepDmpTblX_HwDeg_u12p4[1][0]         | 528         |  |
| t2_EOTPosDepDmpTblX_HwDeg_u12p4[1][1]         | 880         |  |
| t2_EOTPosDepDmpTblX_HwDeg_u12p4[2][0]         | 960         |  |



| Name  | Input Value  |                           |        |
|---|--------------|---------------------------|--------|
| t2_EOTPosDepDmpTblX_HwDeg_u12p4[2][1]       | 1056         |                           |        |
| t2_EOTPosDepDmpTblX_HwDeg_u12p4[3][0]       | 1120         |                           |        |
| t2_EOTPosDepDmpTblX_HwDeg_u12p4[3][1]       | 1440         |                           |        |
| t2_EOTPosDepDmpTblY_MtrNmpRadpS_u0p16[0][0] | 1            |                           |        |
| t2_EOTPosDepDmpTblY_MtrNmpRadpS_u0p16[0][1] | 11           |                           |        |
| t2_EOTPosDepDmpTblY_MtrNmpRadpS_u0p16[1][0] | 205          |                           |        |
| t2_EOTPosDepDmpTblY_MtrNmpRadpS_u0p16[1][1] | 280          |                           |        |
| t2_EOTPosDepDmpTblY_MtrNmpRadpS_u0p16[2][0] | 168          |                           |        |
| t2_EOTPosDepDmpTblY_MtrNmpRadpS_u0p16[2][1] | 452          |                           |        |
| t2_EOTPosDepDmpTblY_MtrNmpRadpS_u0p16[3][0] | 4            |                           |        |
| t2_EOTPosDepDmpTblY_MtrNmpRadpS_u0p16[3][1] | 574          |                           |        |
| t_EOTDmpVspd_Kph_u9p7[0]                    | 1408         |                           |        |
| t_EOTDmpVspd_Kph_u9p7[1]                    | 1920         |                           |        |
| t_EOTDmpVspd_Kph_u9p7[2]                    | 1792         |                           |        |
| t_EOTDmpVspd_Kph_u9p7[3]                    | 7680         |                           |        |
| Name  | Actual Value | Expected Value            | Result |
| EOTActuatorMng_Damping_MtrNm_M_f32          | 3.03762007   | 3.03762007 ± 0.0000390625 | ~      |
| SES_CalcEOTDamp()                           | 3.03762007   | 3.03762007                | ✓      |
|   |              |                           |        |

| T                               |       |                                 |       | <b>✓</b> |
|---------------------------------|-------|---------------------------------|-------|----------|
| Actual Function                 | Count | Expected Function               | Count | Result   |
| BilinearXMYM_u16_u16XMu16YM_Cnt | 1     | BilinearXMYM_u16_u16XMu16YM_Cnt | 1     | ~        |

| Test Step 2.21 (Repeat Count = 1)             |              |                           | -      |
|---|--------------|---------------------------|--------|
| Name  | Input Value  |                           |        |
| CcwEOT_HwDeg_T_f32                            | -550.450012  |                           |        |
| CwEOT_HwDeg_T_f32                             | 750.450012   |                           |        |
| EOTActuatorMng_Damping_MtrNm_M_f32            | 3.5999999    |                           |        |
| EOTActuatorMng_SESState_Uls_M_enum            | SES_DISABLED |                           |        |
| HandWheelPos_HwDeg_T_f32                      | -1100.09094  |                           |        |
| MotorVel_MtrRadpS_T_f32                       | 770.124023   |                           |        |
| VehicleSpeed_Kph_T_f32                        | 180.151993   |                           |        |
| k_EOTPosDepDempFinalSlew_MtrNmpS_T_f32        | 191.199997   |                           |        |
| t2_EOTExPosDepDmpTblY_MtrNmpRadps_u0p16[0][0] | 289          |                           |        |
| t2_EOTExPosDepDmpTblY_MtrNmpRadps_u0p16[0][1] | 409          |                           |        |
| t2_EOTExPosDepDmpTblY_MtrNmpRadps_u0p16[1][0] | 365          |                           |        |
| t2_EOTExPosDepDmpTblY_MtrNmpRadps_u0p16[1][1] | 517          |                           |        |
| t2_EOTExPosDepDmpTblY_MtrNmpRadps_u0p16[2][0] | 365          |                           |        |
| t2_EOTExPosDepDmpTblY_MtrNmpRadps_u0p16[2][1] | 517          |                           |        |
| t2_EOTExPosDepDmpTblY_MtrNmpRadps_u0p16[3][0] | 319          |                           |        |
| t2_EOTExPosDepDmpTblY_MtrNmpRadps_u0p16[3][1] | 452          |                           |        |
| t2_EOTPosDepDmpTblX_HwDeg_u12p4[0][0]         | 64           |                           |        |
| t2_EOTPosDepDmpTblX_HwDeg_u12p4[0][1]         | 384          |                           |        |
| t2_EOTPosDepDmpTblX_HwDeg_u12p4[1][0]         | 1056         |                           |        |
| t2_EOTPosDepDmpTblX_HwDeg_u12p4[1][1]         | 1424         |                           |        |
| t2_EOTPosDepDmpTblX_HwDeg_u12p4[2][0]         | 944          |                           |        |
| t2_EOTPosDepDmpTblX_HwDeg_u12p4[2][1]         | 1328         |                           |        |
| t2_EOTPosDepDmpTblX_HwDeg_u12p4[3][0]         | 832          |                           |        |
| t2_EOTPosDepDmpTblX_HwDeg_u12p4[3][1]         | 4320         |                           |        |
| t2_EOTPosDepDmpTblY_MtrNmpRadpS_u0p16[0][0]   | 289          |                           |        |
| t2_EOTPosDepDmpTblY_MtrNmpRadpS_u0p16[0][1]   | 409          |                           |        |
| t2_EOTPosDepDmpTblY_MtrNmpRadpS_u0p16[1][0]   | 425          |                           |        |
| t2_EOTPosDepDmpTblY_MtrNmpRadpS_u0p16[1][1]   | 603          |                           |        |
| t2_EOTPosDepDmpTblY_MtrNmpRadpS_u0p16[2][0]   | 349          |                           |        |
| t2_EOTPosDepDmpTblY_MtrNmpRadpS_u0p16[2][1]   | 495          |                           |        |
| t2_EOTPosDepDmpTblY_MtrNmpRadpS_u0p16[3][0]   | 32           |                           |        |
| t2_EOTPosDepDmpTblY_MtrNmpRadpS_u0p16[3][1]   | 44           |                           |        |
| t_EOTDmpVspd_Kph_u9p7[0]                      | 11648        |                           |        |
| t_EOTDmpVspd_Kph_u9p7[1]                      | 13312        |                           |        |
| t_EOTDmpVspd_Kph_u9p7[2]                      | 15104        |                           |        |
| t_EOTDmpVspd_Kph_u9p7[3]                      | 16256        |                           |        |
| Name  | Actual Value | Expected Value            | Result |
| EOTActuatorMng_Damping_MtrNm_M_f32            | 3.21759987   | 3.21760011 ± 0.0000390625 | -      |
| SES_CalcEOTDamp()                             | 3.21759987   | 3.21760011                | -      |

| Т               |       |                          |       |        |  |
|-----------------|-------|--------------------------|-------|--------|--|
| Actual Function | Count | Expected Function        | Count | Result |  |
| *none*          | 0     | *** No Call Expected *** | 0     | ~      |  |





| Test Step 2.22 (Repeat Count = 1)             |              |                           | <b>✓</b> |
|---|--------------|---------------------------|----------|
| Name  | Input Value  |                           |          |
| CcwEOT_HwDeg_T_f32                            | -550.450012  |                           |          |
| CwEOT_HwDeg_T_f32                             | 750.450012   |                           |          |
| EOTActuatorMng_Damping_MtrNm_M_f32            | 3.5999999    |                           |          |
| EOTActuatorMng_SESState_Uls_M_enum            | SES_NORMAL   |                           |          |
| HandWheelPos_HwDeg_T_f32                      | -1100.09094  |                           |          |
| MotorVel_MtrRadpS_T_f32                       | 770.124023   |                           |          |
| VehicleSpeed_Kph_T_f32                        | 180.151993   |                           |          |
| k_EOTPosDepDempFinalSlew_MtrNmpS_T_f32        | 191.199997   |                           |          |
| t2_EOTExPosDepDmpTblY_MtrNmpRadps_u0p16[0][0] | 289          |                           |          |
| t2_EOTExPosDepDmpTblY_MtrNmpRadps_u0p16[0][1] | 409          |                           |          |
| t2_EOTExPosDepDmpTblY_MtrNmpRadps_u0p16[1][0] | 365          |                           |          |
| t2_EOTExPosDepDmpTblY_MtrNmpRadps_u0p16[1][1] | 517          |                           |          |
| t2_EOTExPosDepDmpTblY_MtrNmpRadps_u0p16[2][0] | 365          |                           |          |
| t2_EOTExPosDepDmpTblY_MtrNmpRadps_u0p16[2][1] | 517          |                           |          |
| t2_EOTExPosDepDmpTblY_MtrNmpRadps_u0p16[3][0] | 319          |                           |          |
| t2_EOTExPosDepDmpTblY_MtrNmpRadps_u0p16[3][1] | 452          |                           |          |
| t2_EOTPosDepDmpTblX_HwDeg_u12p4[0][0]         | 64           |                           |          |
| t2_EOTPosDepDmpTblX_HwDeg_u12p4[0][1]         | 384          |                           |          |
| t2_EOTPosDepDmpTblX_HwDeg_u12p4[1][0]         | 1056         |                           |          |
| t2_EOTPosDepDmpTblX_HwDeg_u12p4[1][1]         | 1424         |                           |          |
| t2_EOTPosDepDmpTblX_HwDeg_u12p4[2][0]         | 944          |                           |          |
| t2_EOTPosDepDmpTblX_HwDeg_u12p4[2][1]         | 1328         |                           |          |
| t2_EOTPosDepDmpTblX_HwDeg_u12p4[3][0]         | 832          |                           |          |
| t2_EOTPosDepDmpTblX_HwDeg_u12p4[3][1]         | 4320         |                           |          |
| t2_EOTPosDepDmpTblY_MtrNmpRadpS_u0p16[0][0]   | 289          |                           |          |
| t2_EOTPosDepDmpTblY_MtrNmpRadpS_u0p16[0][1]   | 409          |                           |          |
| t2_EOTPosDepDmpTblY_MtrNmpRadpS_u0p16[1][0]   | 425          |                           |          |
| t2_EOTPosDepDmpTblY_MtrNmpRadpS_u0p16[1][1]   | 603          |                           |          |
| t2_EOTPosDepDmpTblY_MtrNmpRadpS_u0p16[2][0]   | 349          |                           |          |
| t2_EOTPosDepDmpTblY_MtrNmpRadpS_u0p16[2][1]   | 495          |                           |          |
| t2_EOTPosDepDmpTblY_MtrNmpRadpS_u0p16[3][0]   | 32           |                           |          |
| t2_EOTPosDepDmpTblY_MtrNmpRadpS_u0p16[3][1]   | 44           |                           |          |
| t_EOTDmpVspd_Kph_u9p7[0]                      | 11648        |                           |          |
| t_EOTDmpVspd_Kph_u9p7[1]                      | 13312        |                           |          |
| t_EOTDmpVspd_Kph_u9p7[2]                      | 15104        |                           |          |
| t_EOTDmpVspd_Kph_u9p7[3]                      | 16256        |                           |          |
| Name  | Actual Value | Expected Value            | Result   |
| EOTActuatorMng_Damping_MtrNm_M_f32            | 3.21759987   | 3.21760011 ± 0.0000390625 | ~        |
| SES_CalcEOTDamp()                             | 3.21759987   | 3.21760011                | <b>✓</b> |

| T                               |       |                                 |       | <b>✓</b> |
|---------------------------------|-------|---------------------------------|-------|----------|
| Actual Function                 | Count | Expected Function               | Count | Result   |
| BilinearXMYM_u16_u16XMu16YM_Cnt | 1     | BilinearXMYM_u16_u16XMu16YM_Cnt | 1     | ~        |

| Test Step 2.23 (Repeat Count = 1)             |              |  |
|---|--------------|--|
| Name  | Input Value  |  |
| CcwEOT_HwDeg_T_f32                            | -650.409973  |  |
| CwEOT_HwDeg_T_f32                             | 850.452026   |  |
| EOTActuatorMng_Damping_MtrNm_M_f32            | 3.79999995   |  |
| EOTActuatorMng_SESState_Uls_M_enum            | SES_ENTERING |  |
| HandWheelPos_HwDeg_T_f32                      | 1000.30103   |  |
| MotorVel_MtrRadpS_T_f32                       | 770.872009   |  |
| VehicleSpeed_Kph_T_f32                        | 280.157013   |  |
| k_EOTPosDepDempFinalSlew_MtrNmpS_T_f32        | 201.210007   |  |
| t2_EOTExPosDepDmpTblY_MtrNmpRadps_u0p16[0][0] | 304          |  |
| t2_EOTExPosDepDmpTblY_MtrNmpRadps_u0p16[0][1] | 431          |  |
| t2_EOTExPosDepDmpTblY_MtrNmpRadps_u0p16[1][0] | 380          |  |
| t2_EOTExPosDepDmpTblY_MtrNmpRadps_u0p16[1][1] | 538          |  |
| t2_EOTExPosDepDmpTblY_MtrNmpRadps_u0p16[2][0] | 380          |  |
| t2_EOTExPosDepDmpTblY_MtrNmpRadps_u0p16[2][1] | 538          |  |
| t2_EOTExPosDepDmpTblY_MtrNmpRadps_u0p16[3][0] | 334          |  |
| t2_EOTExPosDepDmpTblY_MtrNmpRadps_u0p16[3][1] | 474          |  |
| t2_EOTPosDepDmpTblX_HwDeg_u12p4[0][0]         | 48           |  |
| t2_EOTPosDepDmpTblX_HwDeg_u12p4[0][1]         | 400          |  |
| t2_EOTPosDepDmpTblX_HwDeg_u12p4[1][0]         | 560          |  |
| t2_EOTPosDepDmpTblX_HwDeg_u12p4[1][1]         | 720          |  |
| t2_EOTPosDepDmpTblX_HwDeg_u12p4[2][0]         | 960          |  |



| Name  | Input Value  |                           |        |
|---|--------------|---------------------------|--------|
| t2_EOTPosDepDmpTblX_HwDeg_u12p4[2][1]       | 1344         |                           |        |
| t2_EOTPosDepDmpTbIX_HwDeg_u12p4[3][0]       | 848          |                           |        |
| t2_EOTPosDepDmpTblX_HwDeg_u12p4[3][1]       | 4336         |                           |        |
| t2_EOTPosDepDmpTblY_MtrNmpRadpS_u0p16[0][0] | 304          |                           |        |
| t2_EOTPosDepDmpTblY_MtrNmpRadpS_u0p16[0][1] | 431          |                           |        |
| t2_EOTPosDepDmpTblY_MtrNmpRadpS_u0p16[1][0] | 440          |                           |        |
| t2_EOTPosDepDmpTblY_MtrNmpRadpS_u0p16[1][1] | 624          |                           |        |
| t2_EOTPosDepDmpTblY_MtrNmpRadpS_u0p16[2][0] | 365          |                           |        |
| t2_EOTPosDepDmpTblY_MtrNmpRadpS_u0p16[2][1] | 517          |                           |        |
| t2_EOTPosDepDmpTblY_MtrNmpRadpS_u0p16[3][0] | 47           |                           |        |
| t2_EOTPosDepDmpTblY_MtrNmpRadpS_u0p16[3][1] | 65           |                           |        |
| t_EOTDmpVspd_Kph_u9p7[0]                    | 0            |                           |        |
| t_EOTDmpVspd_Kph_u9p7[1]                    | 768          |                           |        |
| t_EOTDmpVspd_Kph_u9p7[2]                    | 1536         |                           |        |
| t_EOTDmpVspd_Kph_u9p7[3]                    | 3200         |                           |        |
| Name  | Actual Value | Expected Value            | Result |
| EOTActuatorMng_Damping_MtrNm_M_f32          | 3.39757991   | 3.39757991 ± 0.0000390625 | ~      |
| SES_CalcEOTDamp()                           | 3.39757991   | 3.39757991                | •      |

| T                               |       |                                 |       | <b>✓</b> |
|---------------------------------|-------|---------------------------------|-------|----------|
| Actual Function                 | Count | Expected Function               | Count | Result   |
| BilinearXMYM_u16_u16XMu16YM_Cnt | 1     | BilinearXMYM_u16_u16XMu16YM_Cnt | 1     | ~        |

| Test Step 2.24 (Repeat Count = 1) Name        | Input Value  |                           |        |
|---|--------------|---------------------------|--------|
|   | -650,409973  |                           |        |
| CcwEOT_HwDeg_T_f32                            |              |                           |        |
| CWEOT_HwDeg_T_f32                             | 850.452026   |                           |        |
| EOTActuatorMng_Damping_MtrNm_M_f32            | 3.7999995    |                           |        |
| EOTActuatorMng_SESState_Uls_M_enum            | SES_EXITING  |                           |        |
| HandWheelPos_HwDeg_T_f32                      | 1000.30103   |                           |        |
| MotorVel_MtrRadpS_T_f32                       | 770.872009   |                           |        |
| VehicleSpeed_Kph_T_f32                        | 280.157013   |                           |        |
| k_EOTPosDepDempFinalSlew_MtrNmpS_T_f32        | 201.210007   |                           |        |
| t2_EOTExPosDepDmpTblY_MtrNmpRadps_u0p16[0][0] | 304          |                           |        |
| t2_EOTExPosDepDmpTblY_MtrNmpRadps_u0p16[0][1] | 431          |                           |        |
| t2_EOTExPosDepDmpTblY_MtrNmpRadps_u0p16[1][0] | 380          |                           |        |
| t2_EOTExPosDepDmpTblY_MtrNmpRadps_u0p16[1][1] | 538          |                           |        |
| t2_EOTExPosDepDmpTblY_MtrNmpRadps_u0p16[2][0] | 380          |                           |        |
| t2_EOTExPosDepDmpTblY_MtrNmpRadps_u0p16[2][1] | 538          |                           |        |
| t2_EOTExPosDepDmpTblY_MtrNmpRadps_u0p16[3][0] | 334          |                           |        |
| t2_EOTExPosDepDmpTblY_MtrNmpRadps_u0p16[3][1] | 474          |                           |        |
| t2_EOTPosDepDmpTblX_HwDeg_u12p4[0][0]         | 48           |                           |        |
| t2_EOTPosDepDmpTblX_HwDeg_u12p4[0][1]         | 400          |                           |        |
| t2_EOTPosDepDmpTblX_HwDeg_u12p4[1][0]         | 560          |                           |        |
| t2_EOTPosDepDmpTblX_HwDeg_u12p4[1][1]         | 720          |                           |        |
| t2_EOTPosDepDmpTblX_HwDeg_u12p4[2][0]         | 960          |                           |        |
| t2_EOTPosDepDmpTblX_HwDeg_u12p4[2][1]         | 1344         |                           |        |
| t2_EOTPosDepDmpTblX_HwDeg_u12p4[3][0]         | 848          |                           |        |
| t2_EOTPosDepDmpTblX_HwDeg_u12p4[3][1]         | 4336         |                           |        |
| t2_EOTPosDepDmpTblY_MtrNmpRadpS_u0p16[0][0]   | 304          |                           |        |
| t2_EOTPosDepDmpTblY_MtrNmpRadpS_u0p16[0][1]   | 431          |                           |        |
| t2_EOTPosDepDmpTblY_MtrNmpRadpS_u0p16[1][0]   | 440          |                           |        |
| t2_EOTPosDepDmpTblY_MtrNmpRadpS_u0p16[1][1]   | 624          |                           |        |
| t2_EOTPosDepDmpTblY_MtrNmpRadpS_u0p16[2][0]   | 365          |                           |        |
| t2_EOTPosDepDmpTblY_MtrNmpRadpS_u0p16[2][1]   | 517          |                           |        |
| t2_EOTPosDepDmpTblY_MtrNmpRadpS_u0p16[3][0]   | 47           |                           |        |
| t2_EOTPosDepDmpTblY_MtrNmpRadpS_u0p16[3][1]   | 65           |                           |        |
| t_EOTDmpVspd_Kph_u9p7[0]                      | 0            |                           |        |
| t_EOTDmpVspd_Kph_u9p7[1]                      | 768          |                           |        |
| t_EOTDmpVspd_Kph_u9p7[2]                      | 1536         |                           |        |
| t_EOTDmpVspd_Kph_u9p7[3]                      | 3200         |                           |        |
| Name  | Actual Value | Expected Value            | Result |
| EOTActuatorMng_Damping_MtrNm_M_f32            | 4.20242023   | 4.20242023 ± 0.0000390625 | Result |
| SES CalcEOTDamp()                             | 4.20242023   | 4.20242023 ± 0.0000390625 |        |

| T                               |       |                                 |       |        |  |
|---------------------------------|-------|---------------------------------|-------|--------|--|
| Actual Function                 | Count | Expected Function               | Count | Result |  |
| BilinearXMYM_u16_u16XMu16YM_Cnt | 1     | BilinearXMYM_u16_u16XMu16YM_Cnt | 1     | ~      |  |





| Test Step 2.25 (Repeat Count = 1)             |              |                           | <b>✓</b> |
|---|--------------|---------------------------|----------|
| Name  | Input Value  |                           |          |
| CcwEOT_HwDeg_T_f32                            | -111.510002  |                           |          |
| CwEOT_HwDeg_T_f32                             | 123.541      |                           |          |
| EOTActuatorMng_Damping_MtrNm_M_f32            | 4            |                           |          |
| EOTActuatorMng_SESState_Uls_M_enum            | SES_NORMAL   |                           |          |
| HandWheelPos_HwDeg_T_f32                      | -666.559021  |                           |          |
| MotorVel_MtrRadpS_T_f32                       | 100.348999   |                           |          |
| VehicleSpeed_Kph_T_f32                        | 365.153015   |                           |          |
| k_EOTPosDepDempFinalSlew_MtrNmpS_T_f32        | 211.220001   |                           |          |
| t2_EOTExPosDepDmpTblY_MtrNmpRadps_u0p16[0][0] | 319          |                           |          |
| t2_EOTExPosDepDmpTblY_MtrNmpRadps_u0p16[0][1] | 452          |                           |          |
| t2_EOTExPosDepDmpTblY_MtrNmpRadps_u0p16[1][0] | 395          |                           |          |
| t2_EOTExPosDepDmpTblY_MtrNmpRadps_u0p16[1][1] | 560          |                           |          |
| t2_EOTExPosDepDmpTblY_MtrNmpRadps_u0p16[2][0] | 395          |                           |          |
| t2_EOTExPosDepDmpTblY_MtrNmpRadps_u0p16[2][1] | 560          |                           |          |
| t2_EOTExPosDepDmpTblY_MtrNmpRadps_u0p16[3][0] | 349          |                           |          |
| t2_EOTExPosDepDmpTblY_MtrNmpRadps_u0p16[3][1] | 495          |                           |          |
| t2_EOTPosDepDmpTblX_HwDeg_u12p4[0][0]         | 0            |                           |          |
| t2_EOTPosDepDmpTblX_HwDeg_u12p4[0][1]         | 0            |                           |          |
| t2_EOTPosDepDmpTblX_HwDeg_u12p4[1][0]         | 0            |                           |          |
| t2_EOTPosDepDmpTblX_HwDeg_u12p4[1][1]         | 0            |                           |          |
| t2_EOTPosDepDmpTblX_HwDeg_u12p4[2][0]         | 0            |                           |          |
| t2_EOTPosDepDmpTblX_HwDeg_u12p4[2][1]         | 0            |                           |          |
| t2_EOTPosDepDmpTblX_HwDeg_u12p4[3][0]         | 0            |                           |          |
| t2_EOTPosDepDmpTblX_HwDeg_u12p4[3][1]         | 0            |                           |          |
| t2_EOTPosDepDmpTblY_MtrNmpRadpS_u0p16[0][0]   | 319          |                           |          |
| t2_EOTPosDepDmpTblY_MtrNmpRadpS_u0p16[0][1]   | 452          |                           |          |
| t2_EOTPosDepDmpTblY_MtrNmpRadpS_u0p16[1][0]   | 168          |                           |          |
| t2_EOTPosDepDmpTblY_MtrNmpRadpS_u0p16[1][1]   | 237          |                           |          |
| t2_EOTPosDepDmpTblY_MtrNmpRadpS_u0p16[2][0]   | 380          |                           |          |
| t2_EOTPosDepDmpTblY_MtrNmpRadpS_u0p16[2][1]   | 538          |                           |          |
| t2_EOTPosDepDmpTblY_MtrNmpRadpS_u0p16[3][0]   | 62           |                           |          |
| t2_EOTPosDepDmpTblY_MtrNmpRadpS_u0p16[3][1]   | 87           |                           |          |
| t_EOTDmpVspd_Kph_u9p7[0]                      | 2048         |                           |          |
| t_EOTDmpVspd_Kph_u9p7[1]                      | 3584         |                           |          |
| t_EOTDmpVspd_Kph_u9p7[2]                      | 4736         |                           |          |
| t_EOTDmpVspd_Kph_u9p7[3]                      | 5120         |                           |          |
| Name  | Actual Value | Expected Value            | Result   |
| EOTActuatorMng_Damping_MtrNm_M_f32            | 3.57755995   | 3.57755995 ± 0.0000390625 | ~        |
| SES_CalcEOTDamp()                             | 3.57755995   | 3.57755995                | <b>✓</b> |

| Т                               |       |                                 |       |        |  |  |
|---------------------------------|-------|---------------------------------|-------|--------|--|--|
| Actual Function                 | Count | Expected Function               | Count | Result |  |  |
| BilinearXMYM_u16_u16XMu16YM_Cnt | 1     | BilinearXMYM_u16_u16XMu16YM_Cnt | 1     | ~      |  |  |

| Test Step 2.26 (Repeat Count = 1)             |              |  |
|---|--------------|--|
| Name  | Input Value  |  |
| CcwEOT_HwDeg_T_f32                            | -111.849998  |  |
| CwEOT_HwDeg_T_f32                             | 123.155998   |  |
| EOTActuatorMng_Damping_MtrNm_M_f32            | 4.19999981   |  |
| EOTActuatorMng_SESState_Uls_M_enum            | SES_ENTERING |  |
| HandWheelPos_HwDeg_T_f32                      | -666.320984  |  |
| MotorVel_MtrRadpS_T_f32                       | 100.653999   |  |
| VehicleSpeed_Kph_T_f32                        | 365.487      |  |
| k_EOTPosDepDempFinalSlew_MtrNmpS_T_f32        | 221.229996   |  |
| t2_EOTExPosDepDmpTblY_MtrNmpRadps_u0p16[0][0] | 334          |  |
| t2_EOTExPosDepDmpTblY_MtrNmpRadps_u0p16[0][1] | 474          |  |
| t2_EOTExPosDepDmpTblY_MtrNmpRadps_u0p16[1][0] | 410          |  |
| t2_EOTExPosDepDmpTblY_MtrNmpRadps_u0p16[1][1] | 581          |  |
| t2_EOTExPosDepDmpTblY_MtrNmpRadps_u0p16[2][0] | 410          |  |
| t2_EOTExPosDepDmpTblY_MtrNmpRadps_u0p16[2][1] | 581          |  |
| t2_EOTExPosDepDmpTblY_MtrNmpRadps_u0p16[3][0] | 365          |  |
| t2_EOTExPosDepDmpTblY_MtrNmpRadps_u0p16[3][1] | 517          |  |
| t2_EOTPosDepDmpTblX_HwDeg_u12p4[0][0]         | 5760         |  |
| t2_EOTPosDepDmpTblX_HwDeg_u12p4[0][1]         | 5760         |  |
| t2_EOTPosDepDmpTblX_HwDeg_u12p4[1][0]         | 5760         |  |
| t2_EOTPosDepDmpTblX_HwDeg_u12p4[1][1]         | 5760         |  |
| t2_EOTPosDepDmpTblX_HwDeg_u12p4[2][0]         | 5760         |  |



| Name  | Input Value  |                           |        |
|---|--------------|---------------------------|--------|
| t2_EOTPosDepDmpTblX_HwDeg_u12p4[2][1]       | 5760         |                           |        |
| t2_EOTPosDepDmpTblX_HwDeg_u12p4[3][0]       | 5760         |                           |        |
| t2_EOTPosDepDmpTblX_HwDeg_u12p4[3][1]       | 5760         |                           |        |
| t2_EOTPosDepDmpTblY_MtrNmpRadpS_u0p16[0][0] | 334          |                           |        |
| t2_EOTPosDepDmpTblY_MtrNmpRadpS_u0p16[0][1] | 474          |                           |        |
| t2_EOTPosDepDmpTblY_MtrNmpRadpS_u0p16[1][0] | 183          |                           |        |
| t2_EOTPosDepDmpTblY_MtrNmpRadpS_u0p16[1][1] | 259          |                           |        |
| t2_EOTPosDepDmpTblY_MtrNmpRadpS_u0p16[2][0] | 395          |                           |        |
| t2_EOTPosDepDmpTblY_MtrNmpRadpS_u0p16[2][1] | 560          |                           |        |
| t2_EOTPosDepDmpTblY_MtrNmpRadpS_u0p16[3][0] | 77           |                           |        |
| t2_EOTPosDepDmpTblY_MtrNmpRadpS_u0p16[3][1] | 108          |                           |        |
| t_EOTDmpVspd_Kph_u9p7[0]                    | 6400         |                           |        |
| t_EOTDmpVspd_Kph_u9p7[1]                    | 7680         |                           |        |
| t_EOTDmpVspd_Kph_u9p7[2]                    | 8960         |                           |        |
| t_EOTDmpVspd_Kph_u9p7[3]                    | 10240        |                           |        |
| Name  | Actual Value | Expected Value            | Result |
| EOTActuatorMng_Damping_MtrNm_M_f32          | 3.75753975   | 3.75753999 ± 0.0000390625 | ~      |
| SES_CalcEOTDamp()                           | 3.75753975   | 3.75753999                | ✓      |

| T                               |       |                                 |       | <b>✓</b> |
|---------------------------------|-------|---------------------------------|-------|----------|
| Actual Function                 | Count | Expected Function               | Count | Result   |
| BilinearXMYM_u16_u16XMu16YM_Cnt | 1     | BilinearXMYM_u16_u16XMu16YM_Cnt | 1     | <b>✓</b> |

| Test Step 2.27 (Repeat Count = 1)             |              |                           | <b>✓</b> |
|---|--------------|---------------------------|----------|
| Name  | Input Value  |                           |          |
| CcwEOT_HwDeg_T_f32                            | -333.149994  |                           |          |
| CwEOT_HwDeg_T_f32                             | 345.450989   |                           |          |
| EOTActuatorMng_Damping_MtrNm_M_f32            | 4.4000001    |                           |          |
| EOTActuatorMng_SESState_Uls_M_enum            | SES NORMAL   |                           |          |
| HandWheelPos_HwDeg_T_f32                      | -555.458008  |                           |          |
| MotorVel MtrRadpS T f32                       | 300.356995   |                           |          |
| VehicleSpeed Kph T f32                        | 164.257996   |                           |          |
| k_EOTPosDepDempFinalSlew_MtrNmpS_T_f32        | 231.240005   |                           |          |
| t2_EOTExPosDepDmpTblY_MtrNmpRadps_u0p16[0][0] | 349          |                           |          |
| t2_EOTExPosDepDmpTblY_MtrNmpRadps_u0p16[0][1] | 495          |                           |          |
| t2_EOTExPosDepDmpTblY_MtrNmpRadps_u0p16[1][0] | 425          |                           |          |
| t2_EOTExPosDepDmpTblY_MtrNmpRadps_u0p16[1][1] | 603          |                           |          |
| t2_EOTExPosDepDmpTblY_MtrNmpRadps_u0p16[2][0] | 425          |                           |          |
| t2_EOTExPosDepDmpTblY_MtrNmpRadps_u0p16[2][1] | 603          |                           |          |
| t2_EOTExPosDepDmpTblY_MtrNmpRadps_u0p16[3][0] | 380          |                           |          |
| t2_EOTExPosDepDmpTblY_MtrNmpRadps_u0p16[3][1] | 538          |                           |          |
| t2_EOTPosDepDmpTblX_HwDeg_u12p4[0][0]         | 1920         |                           |          |
| t2_EOTPosDepDmpTblX_HwDeg_u12p4[0][1]         | 3520         |                           |          |
| t2_EOTPosDepDmpTblX_HwDeg_u12p4[1][0]         | 1920         |                           |          |
| t2_EOTPosDepDmpTblX_HwDeg_u12p4[1][1]         | 3520         |                           |          |
| t2_EOTPosDepDmpTblX_HwDeg_u12p4[2][0]         | 1920         |                           |          |
| t2_EOTPosDepDmpTblX_HwDeg_u12p4[2][1]         | 3520         |                           |          |
| t2_EOTPosDepDmpTblX_HwDeg_u12p4[3][0]         | 1920         |                           |          |
| t2_EOTPosDepDmpTblX_HwDeg_u12p4[3][1]         | 3520         |                           |          |
| t2_EOTPosDepDmpTblY_MtrNmpRadpS_u0p16[0][0]   | 349          |                           |          |
| t2_EOTPosDepDmpTblY_MtrNmpRadpS_u0p16[0][1]   | 495          |                           |          |
| t2_EOTPosDepDmpTblY_MtrNmpRadpS_u0p16[1][0]   | 198          |                           |          |
| t2_EOTPosDepDmpTblY_MtrNmpRadpS_u0p16[1][1]   | 280          |                           |          |
| t2_EOTPosDepDmpTblY_MtrNmpRadpS_u0p16[2][0]   | 410          |                           |          |
| t2_EOTPosDepDmpTblY_MtrNmpRadpS_u0p16[2][1]   | 581          |                           |          |
| t2_EOTPosDepDmpTblY_MtrNmpRadpS_u0p16[3][0]   | 92           |                           |          |
| t2_EOTPosDepDmpTblY_MtrNmpRadpS_u0p16[3][1]   | 130          |                           |          |
| t_EOTDmpVspd_Kph_u9p7[0]                      | 11648        |                           |          |
| t_EOTDmpVspd_Kph_u9p7[1]                      | 12928        |                           |          |
| t_EOTDmpVspd_Kph_u9p7[2]                      | 14720        |                           |          |
| t_EOTDmpVspd_Kph_u9p7[3]                      | 16384        |                           |          |
| Name  | Actual Value | Expected Value            | Result   |
| EOTActuatorMng_Damping_MtrNm_M_f32            | 3.93752003   | 3.93752003 ± 0.0000390625 | ~        |
| SES_CalcEOTDamp()                             | 3.93752003   | 3.93752003                | ~        |

| Т                               |       |                                 |       |        |  |
|---------------------------------|-------|---------------------------------|-------|--------|--|
| Actual Function                 | Count | Expected Function               | Count | Result |  |
| BilinearXMYM_u16_u16XMu16YM_Cnt | 1     | BilinearXMYM_u16_u16XMu16YM_Cnt | 1     | ~      |  |





| Test Step 2.28 (Repeat Count = 1) Name              | Input Value  |                           |       |
|---|--------------|---------------------------|-------|
| CcwEOT_HwDeg_T_f32                                  | -1000.5      |                           |       |
| CwEOT_HwDeg_T_f32                                   | 700.981995   |                           |       |
| EOTActuatorMng_Damping_MtrNm_M_f32                  | 4.5999999    |                           |       |
|   | SES ENTERING |                           |       |
| EOTActuatorMng_SESState_Uls_M_enum                  | 700.070007   |                           |       |
| HandWheelPos_HwDeg_T_f32<br>MotorVel_MtrRadpS_T_f32 | 105.846001   |                           |       |
| ·   | 350.414001   |                           |       |
| VehicleSpeed_Kph_T_f32                              | 241.25       |                           |       |
| k_EOTPosDepDempFinalSlew_MtrNmpS_T_f32              | · ·          |                           |       |
| t2_EOTExPosDepDmpTblY_MtrNmpRadps_u0p16[0][0]       | 365          |                           |       |
| t2_EOTExPosDepDmpTblY_MtrNmpRadps_u0p16[0][1]       | 517          |                           |       |
| t2_EOTExPosDepDmpTblY_MtrNmpRadps_u0p16[1][0]       | 440          |                           |       |
| t2_EOTExPosDepDmpTblY_MtrNmpRadps_u0p16[1][1]       | 624          |                           |       |
| t2_EOTExPosDepDmpTblY_MtrNmpRadps_u0p16[2][0]       | 440          |                           |       |
| t2_EOTExPosDepDmpTblY_MtrNmpRadps_u0p16[2][1]       | 624          |                           |       |
| t2_EOTExPosDepDmpTblY_MtrNmpRadps_u0p16[3][0]       | 395          |                           |       |
| t2_EOTExPosDepDmpTblY_MtrNmpRadps_u0p16[3][1]       | 560          |                           |       |
| t2_EOTPosDepDmpTblX_HwDeg_u12p4[0][0]               | 80           |                           |       |
| t2_EOTPosDepDmpTblX_HwDeg_u12p4[0][1]               | 208          |                           |       |
| t2_EOTPosDepDmpTblX_HwDeg_u12p4[1][0]               | 224          |                           |       |
| t2_EOTPosDepDmpTblX_HwDeg_u12p4[1][1]               | 4208         |                           |       |
| t2_EOTPosDepDmpTblX_HwDeg_u12p4[2][0]               | 1024         |                           |       |
| t2_EOTPosDepDmpTbIX_HwDeg_u12p4[2][1]               | 1408         |                           |       |
| t2_EOTPosDepDmpTblX_HwDeg_u12p4[3][0]               | 736          |                           |       |
| t2_EOTPosDepDmpTblX_HwDeg_u12p4[3][1]               | 3344         |                           |       |
| t2_EOTPosDepDmpTblY_MtrNmpRadpS_u0p16[0][0]         | 365          |                           |       |
| t2_EOTPosDepDmpTblY_MtrNmpRadpS_u0p16[0][1]         | 517          |                           |       |
| t2_EOTPosDepDmpTblY_MtrNmpRadpS_u0p16[1][0]         | 213          |                           |       |
| t2_EOTPosDepDmpTblY_MtrNmpRadpS_u0p16[1][1]         | 302          |                           |       |
| t2_EOTPosDepDmpTblY_MtrNmpRadpS_u0p16[2][0]         | 425          |                           |       |
| t2_EOTPosDepDmpTblY_MtrNmpRadpS_u0p16[2][1]         | 603          |                           |       |
| t2_EOTPosDepDmpTblY_MtrNmpRadpS_u0p16[3][0]         | 107          |                           |       |
| t2_EOTPosDepDmpTblY_MtrNmpRadpS_u0p16[3][1]         | 151          |                           |       |
| t_EOTDmpVspd_Kph_u9p7[0]                            | 0            |                           |       |
| t_EOTDmpVspd_Kph_u9p7[1]                            | 0            |                           |       |
| t_EOTDmpVspd_Kph_u9p7[2]                            | 0            |                           |       |
| t_EOTDmpVspd_Kph_u9p7[3]                            | 0            |                           |       |
| Name  | Actual Value | Expected Value            | Resul |
| EOTActuatorMng_Damping_MtrNm_M_f32                  | 4.11749983   | 4.11749983 ± 0.0000390625 | 11000 |
| SES CalcEOTDamp()                                   | 4.11749983   | 4.11749983                |       |

| T                               |       |                                 |       |        |  |
|---------------------------------|-------|---------------------------------|-------|--------|--|
| Actual Function                 | Count | Expected Function               | Count | Result |  |
| BilinearXMYM_u16_u16XMu16YM_Cnt | 1     | BilinearXMYM_u16_u16XMu16YM_Cnt | 1     | ~      |  |

| Test Step 2.29 (Repeat Count = 1)             |             | <u> </u> |
|---|-------------|----------|
| Name  | Input Value |          |
| CcwEOT_HwDeg_T_f32                            | -555.450012 |          |
| CwEOT_HwDeg_T_f32                             | 567.655029  |          |
| EOTActuatorMng_Damping_MtrNm_M_f32            | 4.80000019  |          |
| EOTActuatorMng_SESState_Uls_M_enum            | SES_NORMAL  |          |
| HandWheelPos_HwDeg_T_f32                      | -444.25     |          |
| MotorVel_MtrRadpS_T_f32                       | 500.088989  |          |
| VehicleSpeed_Kph_T_f32                        | 326.622986  |          |
| k_EOTPosDepDempFinalSlew_MtrNmpS_T_f32        | 251.259995  |          |
| t2_EOTExPosDepDmpTblY_MtrNmpRadps_u0p16[0][0] | 380         |          |
| t2_EOTExPosDepDmpTblY_MtrNmpRadps_u0p16[0][1] | 538         |          |
| t2_EOTExPosDepDmpTblY_MtrNmpRadps_u0p16[1][0] | 455         |          |
| t2_EOTExPosDepDmpTblY_MtrNmpRadps_u0p16[1][1] | 646         |          |
| t2_EOTExPosDepDmpTblY_MtrNmpRadps_u0p16[2][0] | 334         |          |
| t2_EOTExPosDepDmpTblY_MtrNmpRadps_u0p16[2][1] | 474         |          |
| t2_EOTExPosDepDmpTblY_MtrNmpRadps_u0p16[3][0] | 410         |          |
| t2_EOTExPosDepDmpTblY_MtrNmpRadps_u0p16[3][1] | 581         |          |
| t2_EOTPosDepDmpTblX_HwDeg_u12p4[0][0]         | 64          |          |
| t2_EOTPosDepDmpTblX_HwDeg_u12p4[0][1]         | 224         |          |
| t2_EOTPosDepDmpTblX_HwDeg_u12p4[1][0]         | 256         |          |
| t2_EOTPosDepDmpTblX_HwDeg_u12p4[1][1]         | 4224        |          |
| t2_EOTPosDepDmpTblX_HwDeg_u12p4[2][0]         | 1040        |          |



| Name  | Input Value  |                           |          |
|---|--------------|---------------------------|----------|
| t2_EOTPosDepDmpTbIX_HwDeg_u12p4[2][1]       | 1424         |                           |          |
| t2_EOTPosDepDmpTbIX_HwDeg_u12p4[3][0]       | 768          |                           |          |
| t2_EOTPosDepDmpTblX_HwDeg_u12p4[3][1]       | 3360         |                           |          |
| t2_EOTPosDepDmpTblY_MtrNmpRadpS_u0p16[0][0] | 380          |                           |          |
| t2_EOTPosDepDmpTblY_MtrNmpRadpS_u0p16[0][1] | 538          |                           |          |
| t2_EOTPosDepDmpTblY_MtrNmpRadpS_u0p16[1][0] | 349          |                           |          |
| t2_EOTPosDepDmpTblY_MtrNmpRadpS_u0p16[1][1] | 495          |                           |          |
| t2_EOTPosDepDmpTblY_MtrNmpRadpS_u0p16[2][0] | 440          |                           |          |
| t2_EOTPosDepDmpTblY_MtrNmpRadpS_u0p16[2][1] | 624          |                           |          |
| t2_EOTPosDepDmpTblY_MtrNmpRadpS_u0p16[3][0] | 122          |                           |          |
| t2_EOTPosDepDmpTblY_MtrNmpRadpS_u0p16[3][1] | 173          |                           |          |
| t_EOTDmpVspd_Kph_u9p7[0]                    | 32640        |                           |          |
| t_EOTDmpVspd_Kph_u9p7[1]                    | 32640        |                           |          |
| t_EOTDmpVspd_Kph_u9p7[2]                    | 32640        |                           |          |
| t_EOTDmpVspd_Kph_u9p7[3]                    | 32640        |                           |          |
| Name  | Actual Value | Expected Value            | Result   |
| EOTActuatorMng_Damping_MtrNm_M_f32          | 4.29748011   | 4.29748011 ± 0.0000390625 | ~        |
| SES_CalcEOTDamp()                           | 4.29748011   | 4.29748011                | <b>✓</b> |

| T                               |       |                                 |       | <b>✓</b> |
|---------------------------------|-------|---------------------------------|-------|----------|
| Actual Function                 | Count | Expected Function               | Count | Result   |
| BilinearXMYM_u16_u16XMu16YM_Cnt | 1     | BilinearXMYM_u16_u16XMu16YM_Cnt | 1     | ~        |

| Test Step 2.30 (Repeat Count = 1) Name               | Input Value              |   |       |
|--|--------------------------|---|-------|
|  | ·                        |   |       |
| CcwEOT_HwDeg_T_f32                                   | -666.539978              |   |       |
| CwEOT_HwDeg_T_f32                                    | 678.343994               |   |       |
| EOTActuatorMng_Damping_MtrNm_M_f32                   | 5                        |   |       |
| EOTActuatorMng_SESState_Uls_M_enum                   | SES_ENTERING             |   |       |
| HandWheelPos_HwDeg_T_f32                             | 444.809998               |   |       |
| MotorVel_MtrRadpS_T_f32                              | 600.073975               |   |       |
| VehicleSpeed_Kph_T_f32                               | 345.542999               |   |       |
| k_EOTPosDepDempFinalSlew_MtrNmpS_T_f32               | 261.269989               |   |       |
| t2_EOTExPosDepDmpTblY_MtrNmpRadps_u0p16[0][0]        | 395                      |   |       |
| t2_EOTExPosDepDmpTblY_MtrNmpRadps_u0p16[0][1]        | 560                      |   |       |
| t2_EOTExPosDepDmpTblY_MtrNmpRadps_u0p16[1][0]        | 471                      |   |       |
| t2_EOTExPosDepDmpTblY_MtrNmpRadps_u0p16[1][1]        | 667                      |   |       |
| t2_EOTExPosDepDmpTblY_MtrNmpRadps_u0p16[2][0]        | 349                      |   |       |
| t2_EOTExPosDepDmpTblY_MtrNmpRadps_u0p16[2][1]        | 495                      |   |       |
| t2_EOTExPosDepDmpTblY_MtrNmpRadps_u0p16[3][0]        | 425                      |   |       |
| t2_EOTExPosDepDmpTblY_MtrNmpRadps_u0p16[3][1]        | 603                      |   |       |
| t2_EOTPosDepDmpTblX_HwDeg_u12p4[0][0]                | 48                       |   |       |
| t2_EOTPosDepDmpTbIX_HwDeg_u12p4[0][1]                | 240                      |   |       |
| t2_EOTPosDepDmpTblX_HwDeg_u12p4[1][0]                | 928                      |   |       |
| t2_EOTPosDepDmpTblX_HwDeg_u12p4[1][1]                | 4240                     |   |       |
| t2_EOTPosDepDmpTblX_HwDeg_u12p4[2][0]                | 1056                     |   |       |
| t2_EOTPosDepDmpTblX_HwDeg_u12p4[2][1]                | 1440                     |   |       |
| t2_EOTPosDepDmpTblX_HwDeg_u12p4[3][0]                | 640                      |   |       |
| t2_EOTPosDepDmpTblX_HwDeg_u12p4[3][1]                | 3376                     |   |       |
| t2_EOTPosDepDmpTblY_MtrNmpRadpS_u0p16[0][0]          | 395                      |   |       |
| t2_EOTPosDepDmpTblY_MtrNmpRadpS_u0p16[0][1]          | 560                      |   |       |
| t2_EOTPosDepDmpTblY_MtrNmpRadpS_u0p16[1][0]          | 365                      |   |       |
| t2_EOTPosDepDmpTblY_MtrNmpRadpS_u0p16[1][1]          | 517                      |   |       |
| t2_EOTPosDepDmpTblY_MtrNmpRadpS_u0p16[2][0]          | 455                      |   |       |
| t2_EOTPosDepDmpTblY_MtrNmpRadpS_u0p16[2][1]          | 646                      |   |       |
| t2_EOTPosDepDmpTblY_MtrNmpRadpS_u0p16[3][0]          | 137                      |   |       |
| t2_EOTPosDepDmpTblY_MtrNmpRadpS_u0p16[3][1]          | 194                      |   |       |
| t_EOTDmpVspd_Kph_u9p7[0]                             | 0                        |   |       |
| t_EOTDmpVspd_Kph_u9p7[1]                             | 640                      |   |       |
| t_EOTDmpVspd_Kph_u9p7[2]                             | 1280                     |   |       |
| t_EOTDmpVspd_Kph_u9p7[3]                             | 2560                     |   |       |
| Name   | Actual Value             | Expected Value                          | Bosul |
|  |                          | •                                       | Resul |
| EOTActuatorMng_Damping_MtrNm_M_f32 SES CalcEOTDamp() | 4.47745991<br>4.47745991 | 4.47745991 ± 0.0000390625<br>4.47745991 |       |

| T                               |       |                                 |       |        |  |
|---------------------------------|-------|---------------------------------|-------|--------|--|
| Actual Function                 | Count | Expected Function               | Count | Result |  |
| BilinearXMYM_u16_u16XMu16YM_Cnt | 1     | BilinearXMYM_u16_u16XMu16YM_Cnt | 1     | ~      |  |





| Test Step 2.31 (Repeat Count = 1)             |              |                           | <b>✓</b> |
|---|--------------|---------------------------|----------|
| Name  | Input Value  |                           |          |
| CcwEOT_HwDeg_T_f32                            | -777.309998  |                           |          |
| CwEOT_HwDeg_T_f32                             | 789.851013   |                           |          |
| EOTActuatorMng_Damping_MtrNm_M_f32            | 5.19999981   |                           |          |
| EOTActuatorMng_SESState_Uls_M_enum            | SES_NORMAL   |                           |          |
| HandWheelPos_HwDeg_T_f32                      | 333.640015   |                           |          |
| MotorVel_MtrRadpS_T_f32                       | 700.005981   |                           |          |
| VehicleSpeed_Kph_T_f32                        | 233.332001   |                           |          |
| k_EOTPosDepDempFinalSlew_MtrNmpS_T_f32        | 271.279999   |                           |          |
| t2_EOTExPosDepDmpTblY_MtrNmpRadps_u0p16[0][0] | 410          |                           |          |
| t2_EOTExPosDepDmpTblY_MtrNmpRadps_u0p16[0][1] | 581          |                           |          |
| t2_EOTExPosDepDmpTblY_MtrNmpRadps_u0p16[1][0] | 69           |                           |          |
| t2_EOTExPosDepDmpTblY_MtrNmpRadps_u0p16[1][1] | 486          |                           |          |
| t2_EOTExPosDepDmpTblY_MtrNmpRadps_u0p16[2][0] | 365          |                           |          |
| t2_EOTExPosDepDmpTblY_MtrNmpRadps_u0p16[2][1] | 517          |                           |          |
| t2_EOTExPosDepDmpTblY_MtrNmpRadps_u0p16[3][0] | 440          |                           |          |
| t2_EOTExPosDepDmpTblY_MtrNmpRadps_u0p16[3][1] | 624          |                           |          |
| t2_EOTPosDepDmpTblX_HwDeg_u12p4[0][0]         | 32           |                           |          |
| t2_EOTPosDepDmpTblX_HwDeg_u12p4[0][1]         | 256          |                           |          |
| t2_EOTPosDepDmpTblX_HwDeg_u12p4[1][0]         | 800          |                           |          |
| t2_EOTPosDepDmpTblX_HwDeg_u12p4[1][1]         | 4256         |                           |          |
| t2_EOTPosDepDmpTblX_HwDeg_u12p4[2][0]         | 1072         |                           |          |
| t2_EOTPosDepDmpTblX_HwDeg_u12p4[2][1]         | 1456         |                           |          |
| t2_EOTPosDepDmpTblX_HwDeg_u12p4[3][0]         | 192          |                           |          |
| t2_EOTPosDepDmpTblX_HwDeg_u12p4[3][1]         | 3392         |                           |          |
| t2_EOTPosDepDmpTblY_MtrNmpRadpS_u0p16[0][0]   | 0            |                           |          |
| t2_EOTPosDepDmpTblY_MtrNmpRadpS_u0p16[0][1]   | 0            |                           |          |
| t2_EOTPosDepDmpTblY_MtrNmpRadpS_u0p16[1][0]   | 0            |                           |          |
| t2_EOTPosDepDmpTblY_MtrNmpRadpS_u0p16[1][1]   | 0            |                           |          |
| t2_EOTPosDepDmpTblY_MtrNmpRadpS_u0p16[2][0]   | 0            |                           |          |
| t2_EOTPosDepDmpTblY_MtrNmpRadpS_u0p16[2][1]   | 0            |                           |          |
| t2_EOTPosDepDmpTblY_MtrNmpRadpS_u0p16[3][0]   | 0            |                           |          |
| t2_EOTPosDepDmpTblY_MtrNmpRadpS_u0p16[3][1]   | 0            |                           |          |
| t_EOTDmpVspd_Kph_u9p7[0]                      | 0            |                           |          |
| t_EOTDmpVspd_Kph_u9p7[1]                      | 896          |                           |          |
| t_EOTDmpVspd_Kph_u9p7[2]                      | 1280         |                           |          |
| t_EOTDmpVspd_Kph_u9p7[3]                      | 2560         |                           |          |
| Name  | Actual Value | Expected Value            | Result   |
| EOTActuatorMng_Damping_MtrNm_M_f32            | 4.65743971   | 4.65744019 ± 0.0000390625 | ~        |
| SES_CalcEOTDamp()                             | 4.65743971   | 4.65744019                | <b>✓</b> |

| Τ                               |       |                                 |       | <b>✓</b> |
|---------------------------------|-------|---------------------------------|-------|----------|
| Actual Function                 | Count | Expected Function               | Count | Result   |
| BilinearXMYM_u16_u16XMu16YM_Cnt | 1     | BilinearXMYM_u16_u16XMu16YM_Cnt | 1     | ~        |

| Test Step 2.32 (Repeat Count = 1)             |              |  |
|---|--------------|--|
| Name  | Input Value  |  |
| CcwEOT_HwDeg_T_f32                            | -788.22998   |  |
| CwEOT_HwDeg_T_f32                             | 890.247009   |  |
| EOTActuatorMng_Damping_MtrNm_M_f32            | 5.4000001    |  |
| EOTActuatorMng_SESState_Uls_M_enum            | SES_ENTERING |  |
| HandWheelPos_HwDeg_T_f32                      | -333.920013  |  |
| MotorVel_MtrRadpS_T_f32                       | 800.033997   |  |
| VehicleSpeed_Kph_T_f32                        | 123.320999   |  |
| k_EOTPosDepDempFinalSlew_MtrNmpS_T_f32        | 281.290009   |  |
| t2_EOTExPosDepDmpTblY_MtrNmpRadps_u0p16[0][0] | 425          |  |
| t2_EOTExPosDepDmpTblY_MtrNmpRadps_u0p16[0][1] | 603          |  |
| t2_EOTExPosDepDmpTblY_MtrNmpRadps_u0p16[1][0] | 13           |  |
| t2_EOTExPosDepDmpTblY_MtrNmpRadps_u0p16[1][1] | 501          |  |
| t2_EOTExPosDepDmpTblY_MtrNmpRadps_u0p16[2][0] | 304          |  |
| t2_EOTExPosDepDmpTblY_MtrNmpRadps_u0p16[2][1] | 431          |  |
| t2_EOTExPosDepDmpTblY_MtrNmpRadps_u0p16[3][0] | 455          |  |
| t2_EOTExPosDepDmpTblY_MtrNmpRadps_u0p16[3][1] | 646          |  |
| t2_EOTPosDepDmpTblX_HwDeg_u12p4[0][0]         | 16           |  |
| t2_EOTPosDepDmpTblX_HwDeg_u12p4[0][1]         | 272          |  |
| t2_EOTPosDepDmpTblX_HwDeg_u12p4[1][0]         | 352          |  |
| t2_EOTPosDepDmpTblX_HwDeg_u12p4[1][1]         | 4272         |  |
| t2 EOTPosDepDmpTblX HwDeg u12p4[2][0]         | 1088         |  |



| Name  | Input Value  |                          |        |
|---|--------------|--------------------------|--------|
| t2_EOTPosDepDmpTblX_HwDeg_u12p4[2][1]       | 1472         |                          |        |
| t2_EOTPosDepDmpTblX_HwDeg_u12p4[3][0]       | 704          |                          |        |
| t2_EOTPosDepDmpTblX_HwDeg_u12p4[3][1]       | 3408         |                          |        |
| t2_EOTPosDepDmpTblY_MtrNmpRadpS_u0p16[0][0] | 983          |                          |        |
| t2_EOTPosDepDmpTblY_MtrNmpRadpS_u0p16[0][1] | 983          |                          |        |
| t2_EOTPosDepDmpTblY_MtrNmpRadpS_u0p16[1][0] | 983          |                          |        |
| t2_EOTPosDepDmpTblY_MtrNmpRadpS_u0p16[1][1] | 983          |                          |        |
| t2_EOTPosDepDmpTblY_MtrNmpRadpS_u0p16[2][0] | 983          |                          |        |
| t2_EOTPosDepDmpTblY_MtrNmpRadpS_u0p16[2][1] | 983          |                          |        |
| t2_EOTPosDepDmpTblY_MtrNmpRadpS_u0p16[3][0] | 983          |                          |        |
| t2_EOTPosDepDmpTblY_MtrNmpRadpS_u0p16[3][1] | 983          |                          |        |
| t_EOTDmpVspd_Kph_u9p7[0]                    | 2048         |                          |        |
| t_EOTDmpVspd_Kph_u9p7[1]                    | 3584         |                          |        |
| t_EOTDmpVspd_Kph_u9p7[2]                    | 3968         |                          |        |
| t_EOTDmpVspd_Kph_u9p7[3]                    | 5632         |                          |        |
| Name  | Actual Value | Expected Value           | Result |
| EOTActuatorMng_Damping_MtrNm_M_f32          | 5.9625802    | 5.9625802 ± 0.0000390625 | ~      |
| SES_CalcEOTDamp()                           | 5.9625802    | 5.9625802                | ✓      |

| T                               |       |                                 |       | <b>✓</b> |
|---------------------------------|-------|---------------------------------|-------|----------|
| Actual Function                 | Count | Expected Function               | Count | Result   |
| BilinearXMYM_u16_u16XMu16YM_Cnt | 1     | BilinearXMYM_u16_u16XMu16YM_Cnt | 1     | ~        |

| Test Step 2.33 (Repeat Count = 1)             |                                       |                           | <b>√</b> |
|---|---------------------------------------|---------------------------|----------|
| Name  | Input Value                           |                           |          |
| CcwEOT_HwDeg_T_f32                            | -666.320007                           |                           |          |
| CwEOT_HwDeg_T_f32                             | 678.851013                            |                           |          |
| EOTActuatorMng_Damping_MtrNm_M_f32            | 5.5999999                             |                           |          |
| EOTActuatorMng_Damping_withVin_wi_isz         | SES NORMAL                            |                           |          |
| HandWheelPos HwDeg T f32                      | 444.269989                            |                           |          |
| MotorVel MtrRadpS T f32                       | 900.080994                            |                           |          |
| _ ,   | 1111111111111111111111111111111111111 |                           |          |
| VehicleSpeed_Kph_T_f32                        | 345.542999                            |                           |          |
| k_EOTPosDepDempFinalSlew_MtrNmpS_T_f32        | 291.299988<br>440                     |                           |          |
| t2_EOTExPosDepDmpTblY_MtrNmpRadps_u0p16[0][0] |                                       |                           |          |
| t2_EOTExPosDepDmpTblY_MtrNmpRadps_u0p16[0][1] | 624<br>73                             |                           |          |
| t2_EOTExPosDepDmpTblY_MtrNmpRadps_u0p16[1][0] |                                       |                           |          |
| t2_EOTExPosDepDmpTblY_MtrNmpRadps_u0p16[1][1] | 516                                   |                           |          |
| t2_EOTExPosDepDmpTblY_MtrNmpRadps_u0p16[2][0] | 319                                   |                           |          |
| t2_EOTExPosDepDmpTblY_MtrNmpRadps_u0p16[2][1] | 452                                   |                           |          |
| t2_EOTExPosDepDmpTblY_MtrNmpRadps_u0p16[3][0] | 66                                    |                           |          |
| t2_EOTExPosDepDmpTblY_MtrNmpRadps_u0p16[3][1] | 471                                   |                           |          |
| t2_EOTPosDepDmpTblX_HwDeg_u12p4[0][0]         | 0                                     |                           |          |
| t2_EOTPosDepDmpTblX_HwDeg_u12p4[0][1]         | 288                                   |                           |          |
| t2_EOTPosDepDmpTblX_HwDeg_u12p4[1][0]         | 384                                   |                           |          |
| t2_EOTPosDepDmpTblX_HwDeg_u12p4[1][1]         | 4288                                  |                           |          |
| t2_EOTPosDepDmpTblX_HwDeg_u12p4[2][0]         | 1104                                  |                           |          |
| t2_EOTPosDepDmpTblX_HwDeg_u12p4[2][1]         | 1488                                  |                           |          |
| t2_EOTPosDepDmpTblX_HwDeg_u12p4[3][0]         | 256                                   |                           |          |
| t2_EOTPosDepDmpTblX_HwDeg_u12p4[3][1]         | 3424                                  |                           |          |
| t2_EOTPosDepDmpTblY_MtrNmpRadpS_u0p16[0][0]   | 0                                     |                           |          |
| t2_EOTPosDepDmpTblY_MtrNmpRadpS_u0p16[0][1]   | 128                                   |                           |          |
| t2_EOTPosDepDmpTblY_MtrNmpRadpS_u0p16[1][0]   | 0                                     |                           |          |
| t2_EOTPosDepDmpTblY_MtrNmpRadpS_u0p16[1][1]   | 128                                   |                           |          |
| t2_EOTPosDepDmpTblY_MtrNmpRadpS_u0p16[2][0]   | 0                                     |                           |          |
| t2_EOTPosDepDmpTblY_MtrNmpRadpS_u0p16[2][1]   | 128                                   |                           |          |
| t2_EOTPosDepDmpTblY_MtrNmpRadpS_u0p16[3][0]   | 0                                     |                           |          |
| t2_EOTPosDepDmpTblY_MtrNmpRadpS_u0p16[3][1]   | 128                                   |                           |          |
| t_EOTDmpVspd_Kph_u9p7[0]                      | 6528                                  |                           |          |
| t_EOTDmpVspd_Kph_u9p7[1]                      | 8192                                  |                           |          |
| t_EOTDmpVspd_Kph_u9p7[2]                      | 9472                                  |                           |          |
| t_EOTDmpVspd_Kph_u9p7[3]                      | 10368                                 |                           |          |
| Name  | Actual Value                          | Expected Value            | Result   |
| EOTActuatorMng_Damping_MtrNm_M_f32            | 5.01739979                            | 5.01739979 ± 0.0000390625 | ~        |
| SES CalcEOTDamp()                             | 5.01739979                            | 5.01739979                | <b>~</b> |

| T                               |       |                                 |       |        |  |
|---------------------------------|-------|---------------------------------|-------|--------|--|
| Actual Function                 | Count | Expected Function               | Count | Result |  |
| BilinearXMYM_u16_u16XMu16YM_Cnt | 1     | BilinearXMYM_u16_u16XMu16YM_Cnt | 1     | ~      |  |





| Test Step 2.34 (Repeat Count = 1)             |              |                      | <b>✓</b> |
|---|--------------|----------------------|----------|
| Name  | Input Value  |                      |          |
| CcwEOT_HwDeg_T_f32                            | -999.869995  |                      |          |
| CwEOT_HwDeg_T_f32                             | 787.36499    |                      |          |
| EOTActuatorMng_Damping_MtrNm_M_f32            | -20.5        |                      |          |
| EOTActuatorMng_SESState_Uls_M_enum            | SES_EXITING  |                      |          |
| HandWheelPos_HwDeg_T_f32                      | -222.339996  |                      |          |
| MotorVel_MtrRadpS_T_f32                       | 1000.04999   |                      |          |
| VehicleSpeed_Kph_T_f32                        | 333.333008   |                      |          |
| k_EOTPosDepDempFinalSlew_MtrNmpS_T_f32        | 0            |                      |          |
| t2_EOTExPosDepDmpTblY_MtrNmpRadps_u0p16[0][0] | 0            |                      |          |
| t2_EOTExPosDepDmpTblY_MtrNmpRadps_u0p16[0][1] | 0            |                      |          |
| t2_EOTExPosDepDmpTblY_MtrNmpRadps_u0p16[1][0] | 0            |                      |          |
| t2_EOTExPosDepDmpTblY_MtrNmpRadps_u0p16[1][1] | 0            |                      |          |
| t2_EOTExPosDepDmpTblY_MtrNmpRadps_u0p16[2][0] | 0            |                      |          |
| t2_EOTExPosDepDmpTblY_MtrNmpRadps_u0p16[2][1] | 0            |                      |          |
| t2_EOTExPosDepDmpTblY_MtrNmpRadps_u0p16[3][0] | 0            |                      |          |
| t2_EOTExPosDepDmpTblY_MtrNmpRadps_u0p16[3][1] | 0            |                      |          |
| t2_EOTPosDepDmpTblX_HwDeg_u12p4[0][0]         | 144          |                      |          |
| t2_EOTPosDepDmpTblX_HwDeg_u12p4[0][1]         | 304          |                      |          |
| t2_EOTPosDepDmpTblX_HwDeg_u12p4[1][0]         | 896          |                      |          |
| t2_EOTPosDepDmpTblX_HwDeg_u12p4[1][1]         | 4304         |                      |          |
| t2_EOTPosDepDmpTblX_HwDeg_u12p4[2][0]         | 1120         |                      |          |
| t2_EOTPosDepDmpTblX_HwDeg_u12p4[2][1]         | 1504         |                      |          |
| t2_EOTPosDepDmpTblX_HwDeg_u12p4[3][0]         | 288          |                      |          |
| t2_EOTPosDepDmpTblX_HwDeg_u12p4[3][1]         | 3440         |                      |          |
| t2_EOTPosDepDmpTblY_MtrNmpRadpS_u0p16[0][0]   | 0            |                      |          |
| t2_EOTPosDepDmpTblY_MtrNmpRadpS_u0p16[0][1]   | 128          |                      |          |
| t2_EOTPosDepDmpTblY_MtrNmpRadpS_u0p16[1][0]   | 1            |                      |          |
| t2_EOTPosDepDmpTblY_MtrNmpRadpS_u0p16[1][1]   | 1            |                      |          |
| t2_EOTPosDepDmpTblY_MtrNmpRadpS_u0p16[2][0]   | 577          |                      |          |
| t2_EOTPosDepDmpTblY_MtrNmpRadpS_u0p16[2][1]   | 818          |                      |          |
| t2_EOTPosDepDmpTblY_MtrNmpRadpS_u0p16[3][0]   | 425          |                      |          |
| t2_EOTPosDepDmpTblY_MtrNmpRadpS_u0p16[3][1]   | 603          |                      |          |
| t_EOTDmpVspd_Kph_u9p7[0]                      | 10240        |                      |          |
| t_EOTDmpVspd_Kph_u9p7[1]                      | 20480        |                      |          |
| t_EOTDmpVspd_Kph_u9p7[2]                      | 21760        |                      |          |
| t_EOTDmpVspd_Kph_u9p7[3]                      | 24320        |                      |          |
| Name  | Actual Value | Expected Value       | Result   |
| EOTActuatorMng_Damping_MtrNm_M_f32            | -20.5        | -20.5 ± 0.0000390625 | ~        |
| SES_CalcEOTDamp()                             | -20.5        | -20.5                | <b>✓</b> |

| Τ                               |       |                                 |       | <b>✓</b> |
|---------------------------------|-------|---------------------------------|-------|----------|
| Actual Function                 | Count | Expected Function               | Count | Result   |
| BilinearXMYM_u16_u16XMu16YM_Cnt | 1     | BilinearXMYM_u16_u16XMu16YM_Cnt | 1     | ~        |

| Test Step 2.35 (Repeat Count = 1)             |             |  |
|---|-------------|--|
| Name  | Input Value |  |
| CcwEOT_HwDeg_T_f32                            | -475.619995 |  |
| CwEOT_HwDeg_T_f32                             | 543.427979  |  |
| EOTActuatorMng_Damping_MtrNm_M_f32            | 20.5        |  |
| EOTActuatorMng_SESState_Uls_M_enum            | SES_EXITING |  |
| HandWheelPos_HwDeg_T_f32                      | 111.739998  |  |
| MotorVel_MtrRadpS_T_f32                       | 543.283997  |  |
| VehicleSpeed_Kph_T_f32                        | 222.110992  |  |
| k_EOTPosDepDempFinalSlew_MtrNmpS_T_f32        | 1200        |  |
| t2_EOTExPosDepDmpTblY_MtrNmpRadps_u0p16[0][0] | 983         |  |
| t2_EOTExPosDepDmpTblY_MtrNmpRadps_u0p16[0][1] | 983         |  |
| t2_EOTExPosDepDmpTblY_MtrNmpRadps_u0p16[1][0] | 983         |  |
| t2_EOTExPosDepDmpTblY_MtrNmpRadps_u0p16[1][1] | 983         |  |
| t2_EOTExPosDepDmpTblY_MtrNmpRadps_u0p16[2][0] | 983         |  |
| t2_EOTExPosDepDmpTblY_MtrNmpRadps_u0p16[2][1] | 983         |  |
| t2_EOTExPosDepDmpTblY_MtrNmpRadps_u0p16[3][0] | 983         |  |
| t2_EOTExPosDepDmpTblY_MtrNmpRadps_u0p16[3][1] | 983         |  |
| t2_EOTPosDepDmpTblX_HwDeg_u12p4[0][0]         | 480         |  |
| t2_EOTPosDepDmpTblX_HwDeg_u12p4[0][1]         | 2656        |  |
| t2_EOTPosDepDmpTblX_HwDeg_u12p4[1][0]         | 928         |  |
| t2_EOTPosDepDmpTblX_HwDeg_u12p4[1][1]         | 4320        |  |
| t2_EOTPosDepDmpTblX_HwDeg_u12p4[2][0]         | 1280        |  |



| Name  | Input Value  |                           |        |
|---|--------------|---------------------------|--------|
| t2_EOTPosDepDmpTblX_HwDeg_u12p4[2][1]       | 736          |                           |        |
| t2_EOTPosDepDmpTblX_HwDeg_u12p4[3][0]       | 640          |                           |        |
| t2_EOTPosDepDmpTblX_HwDeg_u12p4[3][1]       | 3456         |                           |        |
| t2_EOTPosDepDmpTblY_MtrNmpRadpS_u0p16[0][0] | 79           |                           |        |
| t2_EOTPosDepDmpTblY_MtrNmpRadpS_u0p16[0][1] | 112          |                           |        |
| t2_EOTPosDepDmpTblY_MtrNmpRadpS_u0p16[1][0] | 16           |                           |        |
| t2_EOTPosDepDmpTblY_MtrNmpRadpS_u0p16[1][1] | 22           |                           |        |
| t2_EOTPosDepDmpTblY_MtrNmpRadpS_u0p16[2][0] | 592          |                           |        |
| t2_EOTPosDepDmpTblY_MtrNmpRadpS_u0p16[2][1] | 839          |                           |        |
| t2_EOTPosDepDmpTblY_MtrNmpRadpS_u0p16[3][0] | 440          |                           |        |
| t2_EOTPosDepDmpTblY_MtrNmpRadpS_u0p16[3][1] | 624          |                           |        |
| t_EOTDmpVspd_Kph_u9p7[0]                    | 0            |                           |        |
| t_EOTDmpVspd_Kph_u9p7[1]                    | 640          |                           |        |
| t_EOTDmpVspd_Kph_u9p7[2]                    | 1280         |                           |        |
| t_EOTDmpVspd_Kph_u9p7[3]                    | 2560         |                           |        |
| Name  | Actual Value | Expected Value            | Result |
| EOTActuatorMng_Damping_MtrNm_M_f32          | 18.1000004   | 18.1000004 ± 0.0000390625 | ~      |
| SES_CalcEOTDamp()                           | 18.1000004   | 18.1000004                | ~      |
|   |              |                           |        |

| T                               |       |                                 |       | <b>✓</b> |
|---------------------------------|-------|---------------------------------|-------|----------|
| Actual Function                 | Count | Expected Function               | Count | Result   |
| BilinearXMYM_u16_u16XMu16YM_Cnt | 1     | BilinearXMYM_u16_u16XMu16YM_Cnt | 1     | <b>✓</b> |

| Test Step 2.36 (Repeat Count = 1)             |              |                           | <b>✓</b> |
|---|--------------|---------------------------|----------|
| Name  | Input Value  |                           |          |
| CcwEOT_HwDeg_T_f32                            | -643.47998   |                           |          |
| CwEOT_HwDeg_T_f32                             | 654.747009   |                           |          |
| EOTActuatorMng_Damping_MtrNm_M_f32            | 4.4000001    |                           |          |
| EOTActuatorMng_SESState_Uls_M_enum            | SES_EXITING  |                           |          |
| HandWheelPos_HwDeg_T_f32                      | -111.650002  |                           |          |
| MotorVel_MtrRadpS_T_f32                       | 564.969971   |                           |          |
| VehicleSpeed_Kph_T_f32                        | 111.222      |                           |          |
| k_EOTPosDepDempFinalSlew_MtrNmpS_T_f32        | 600          |                           |          |
| t2_EOTExPosDepDmpTblY_MtrNmpRadps_u0p16[0][0] | 0            |                           |          |
| t2_EOTExPosDepDmpTblY_MtrNmpRadps_u0p16[0][1] | 262          |                           |          |
| t2_EOTExPosDepDmpTblY_MtrNmpRadps_u0p16[1][0] | 0            |                           |          |
| t2_EOTExPosDepDmpTblY_MtrNmpRadps_u0p16[1][1] | 262          |                           |          |
| t2_EOTExPosDepDmpTblY_MtrNmpRadps_u0p16[2][0] | 0            |                           |          |
| t2_EOTExPosDepDmpTblY_MtrNmpRadps_u0p16[2][1] | 262          |                           |          |
| t2_EOTExPosDepDmpTblY_MtrNmpRadps_u0p16[3][0] | 0            |                           |          |
| t2_EOTExPosDepDmpTblY_MtrNmpRadps_u0p16[3][1] | 262          |                           |          |
| t2_EOTPosDepDmpTblX_HwDeg_u12p4[0][0]         | 352          |                           |          |
| t2_EOTPosDepDmpTblX_HwDeg_u12p4[0][1]         | 2672         |                           |          |
| t2_EOTPosDepDmpTblX_HwDeg_u12p4[1][0]         | 800          |                           |          |
| t2_EOTPosDepDmpTblX_HwDeg_u12p4[1][1]         | 4336         |                           |          |
| t2_EOTPosDepDmpTblX_HwDeg_u12p4[2][0]         | 1312         |                           |          |
| t2_EOTPosDepDmpTblX_HwDeg_u12p4[2][1]         | 752          |                           |          |
| t2_EOTPosDepDmpTblX_HwDeg_u12p4[3][0]         | 352          |                           |          |
| t2_EOTPosDepDmpTblX_HwDeg_u12p4[3][1]         | 3472         |                           |          |
| t2_EOTPosDepDmpTblY_MtrNmpRadpS_u0p16[0][0]   | 80           |                           |          |
| t2_EOTPosDepDmpTblY_MtrNmpRadpS_u0p16[0][1]   | 114          |                           |          |
| t2_EOTPosDepDmpTblY_MtrNmpRadpS_u0p16[1][0]   | 32           |                           |          |
| t2_EOTPosDepDmpTblY_MtrNmpRadpS_u0p16[1][1]   | 44           |                           |          |
| t2_EOTPosDepDmpTblY_MtrNmpRadpS_u0p16[2][0]   | 607          |                           |          |
| t2_EOTPosDepDmpTblY_MtrNmpRadpS_u0p16[2][1]   | 861          |                           |          |
| t2_EOTPosDepDmpTblY_MtrNmpRadpS_u0p16[3][0]   | 455          |                           |          |
| t2_EOTPosDepDmpTblY_MtrNmpRadpS_u0p16[3][1]   | 646          |                           |          |
| t_EOTDmpVspd_Kph_u9p7[0]                      | 0            |                           |          |
| t_EOTDmpVspd_Kph_u9p7[1]                      | 768          |                           |          |
| t_EOTDmpVspd_Kph_u9p7[2]                      | 1280         |                           |          |
| t_EOTDmpVspd_Kph_u9p7[3]                      | 2560         |                           |          |
| Name  | Actual Value | Expected Value            | Result   |
| EOTActuatorMng_Damping_MtrNm_M_f32            | 3.20000005   | 3.20000005 ± 0.0000390625 | ~        |
| SES_CalcEOTDamp()                             | 3.2000005    | 3.20000005                | <b>✓</b> |

| T                               |       |                                 |       |        |  |  |
|---------------------------------|-------|---------------------------------|-------|--------|--|--|
| Actual Function                 | Count | Expected Function               | Count | Result |  |  |
| BilinearXMYM_u16_u16XMu16YM_Cnt | 1     | BilinearXMYM_u16_u16XMu16YM_Cnt | 1     | ~      |  |  |





| Test Step 2.37 (Repeat Count = 1)             |              |                      | <b>✓</b> |
|---|--------------|----------------------|----------|
| Name  | Input Value  |                      |          |
| CcwEOT_HwDeg_T_f32                            | -999.869995  |                      |          |
| CwEOT_HwDeg_T_f32                             | 787.36499    |                      |          |
| EOTActuatorMng_Damping_MtrNm_M_f32            | -20.5        |                      |          |
| EOTActuatorMng_SESState_Uls_M_enum            | SES_EXITING  |                      |          |
| HandWheelPos_HwDeg_T_f32                      | -222.339996  |                      |          |
| MotorVel_MtrRadpS_T_f32                       | 1000.04999   |                      |          |
| VehicleSpeed_Kph_T_f32                        | 333.333008   |                      |          |
| k_EOTPosDepDempFinalSlew_MtrNmpS_T_f32        | 0            |                      |          |
| t2_EOTExPosDepDmpTblY_MtrNmpRadps_u0p16[0][0] | 0            |                      |          |
| t2_EOTExPosDepDmpTblY_MtrNmpRadps_u0p16[0][1] | 0            |                      |          |
| t2_EOTExPosDepDmpTblY_MtrNmpRadps_u0p16[1][0] | 0            |                      |          |
| t2_EOTExPosDepDmpTblY_MtrNmpRadps_u0p16[1][1] | 0            |                      |          |
| t2_EOTExPosDepDmpTblY_MtrNmpRadps_u0p16[2][0] | 0            |                      |          |
| t2_EOTExPosDepDmpTblY_MtrNmpRadps_u0p16[2][1] | 0            |                      |          |
| t2_EOTExPosDepDmpTblY_MtrNmpRadps_u0p16[3][0] | 0            |                      |          |
| t2_EOTExPosDepDmpTblY_MtrNmpRadps_u0p16[3][1] | 0            |                      |          |
| t2_EOTPosDepDmpTblX_HwDeg_u12p4[0][0]         | 144          |                      |          |
| t2_EOTPosDepDmpTblX_HwDeg_u12p4[0][1]         | 304          |                      |          |
| t2_EOTPosDepDmpTblX_HwDeg_u12p4[1][0]         | 896          |                      |          |
| t2_EOTPosDepDmpTblX_HwDeg_u12p4[1][1]         | 4304         |                      |          |
| t2_EOTPosDepDmpTblX_HwDeg_u12p4[2][0]         | 1120         |                      |          |
| t2_EOTPosDepDmpTblX_HwDeg_u12p4[2][1]         | 1504         |                      |          |
| t2_EOTPosDepDmpTblX_HwDeg_u12p4[3][0]         | 288          |                      |          |
| t2_EOTPosDepDmpTblX_HwDeg_u12p4[3][1]         | 3440         |                      |          |
| t2_EOTPosDepDmpTblY_MtrNmpRadpS_u0p16[0][0]   | 0            |                      |          |
| t2_EOTPosDepDmpTblY_MtrNmpRadpS_u0p16[0][1]   | 128          |                      |          |
| t2_EOTPosDepDmpTblY_MtrNmpRadpS_u0p16[1][0]   | 1            |                      |          |
| t2_EOTPosDepDmpTblY_MtrNmpRadpS_u0p16[1][1]   | 1            |                      |          |
| t2_EOTPosDepDmpTblY_MtrNmpRadpS_u0p16[2][0]   | 577          |                      |          |
| t2_EOTPosDepDmpTblY_MtrNmpRadpS_u0p16[2][1]   | 818          |                      |          |
| t2_EOTPosDepDmpTblY_MtrNmpRadpS_u0p16[3][0]   | 425          |                      |          |
| t2_EOTPosDepDmpTblY_MtrNmpRadpS_u0p16[3][1]   | 603          |                      |          |
| t_EOTDmpVspd_Kph_u9p7[0]                      | 10240        |                      |          |
| t_EOTDmpVspd_Kph_u9p7[1]                      | 20480        |                      |          |
| t_EOTDmpVspd_Kph_u9p7[2]                      | 21760        |                      |          |
| t_EOTDmpVspd_Kph_u9p7[3]                      | 24320        |                      |          |
| Name  | Actual Value | Expected Value       | Result   |
| EOTActuatorMng_Damping_MtrNm_M_f32            | -20.5        | -20.5 ± 0.0000390625 | •        |
| SES_CalcEOTDamp()                             | -20.5        | -20.5                | •        |

| T                               |       |                                 |       |        |  |  |
|---------------------------------|-------|---------------------------------|-------|--------|--|--|
| Actual Function                 | Count | Expected Function               | Count | Result |  |  |
| BilinearXMYM_u16_u16XMu16YM_Cnt | 1     | BilinearXMYM_u16_u16XMu16YM_Cnt | 1     | ~      |  |  |

| Test Step 2.38 (Repeat Count = 1)             |             |  |
|---|-------------|--|
| Name  | Input Value |  |
| CcwEOT_HwDeg_T_f32                            | -475.619995 |  |
| CwEOT_HwDeg_T_f32                             | 543.427979  |  |
| EOTActuatorMng_Damping_MtrNm_M_f32            | 20.5        |  |
| EOTActuatorMng_SESState_Uls_M_enum            | SES_EXITING |  |
| HandWheelPos_HwDeg_T_f32                      | 111.739998  |  |
| MotorVel_MtrRadpS_T_f32                       | 543.283997  |  |
| VehicleSpeed_Kph_T_f32                        | 222.110992  |  |
| k_EOTPosDepDempFinalSlew_MtrNmpS_T_f32        | 1200        |  |
| t2_EOTExPosDepDmpTblY_MtrNmpRadps_u0p16[0][0] | 983         |  |
| t2_EOTExPosDepDmpTblY_MtrNmpRadps_u0p16[0][1] | 983         |  |
| t2_EOTExPosDepDmpTblY_MtrNmpRadps_u0p16[1][0] | 983         |  |
| t2_EOTExPosDepDmpTblY_MtrNmpRadps_u0p16[1][1] | 983         |  |
| t2_EOTExPosDepDmpTblY_MtrNmpRadps_u0p16[2][0] | 983         |  |
| t2_EOTExPosDepDmpTblY_MtrNmpRadps_u0p16[2][1] | 983         |  |
| t2_EOTExPosDepDmpTblY_MtrNmpRadps_u0p16[3][0] | 983         |  |
| t2_EOTExPosDepDmpTblY_MtrNmpRadps_u0p16[3][1] | 983         |  |
| t2_EOTPosDepDmpTblX_HwDeg_u12p4[0][0]         | 480         |  |
| t2_EOTPosDepDmpTblX_HwDeg_u12p4[0][1]         | 2656        |  |
| t2_EOTPosDepDmpTblX_HwDeg_u12p4[1][0]         | 928         |  |
| t2_EOTPosDepDmpTblX_HwDeg_u12p4[1][1]         | 4320        |  |
| t2 EOTPosDepDmpTblX HwDeg u12p4[2][0]         | 1280        |  |



| Name  | Input Value  |                           |          |
|---|--------------|---------------------------|----------|
| t2_EOTPosDepDmpTblX_HwDeg_u12p4[2][1]       | 736          |                           |          |
| t2_EOTPosDepDmpTblX_HwDeg_u12p4[3][0]       | 640          |                           |          |
| t2_EOTPosDepDmpTblX_HwDeg_u12p4[3][1]       | 3456         |                           |          |
| t2_EOTPosDepDmpTblY_MtrNmpRadpS_u0p16[0][0] | 79           |                           |          |
| t2_EOTPosDepDmpTblY_MtrNmpRadpS_u0p16[0][1] | 112          |                           |          |
| t2_EOTPosDepDmpTblY_MtrNmpRadpS_u0p16[1][0] | 16           |                           |          |
| t2_EOTPosDepDmpTblY_MtrNmpRadpS_u0p16[1][1] | 22           |                           |          |
| t2_EOTPosDepDmpTblY_MtrNmpRadpS_u0p16[2][0] | 592          |                           |          |
| t2_EOTPosDepDmpTblY_MtrNmpRadpS_u0p16[2][1] | 839          |                           |          |
| t2_EOTPosDepDmpTblY_MtrNmpRadpS_u0p16[3][0] | 440          |                           |          |
| t2_EOTPosDepDmpTblY_MtrNmpRadpS_u0p16[3][1] | 624          |                           |          |
| t_EOTDmpVspd_Kph_u9p7[0]                    | 0            |                           |          |
| t_EOTDmpVspd_Kph_u9p7[1]                    | 640          |                           |          |
| t_EOTDmpVspd_Kph_u9p7[2]                    | 1280         |                           |          |
| t_EOTDmpVspd_Kph_u9p7[3]                    | 2560         |                           |          |
| Name  | Actual Value | Expected Value            | Result   |
| EOTActuatorMng_Damping_MtrNm_M_f32          | 18.1000004   | 18.1000004 ± 0.0000390625 | ~        |
| SES_CalcEOTDamp()                           | 18.1000004   | 18.1000004                | <b>✓</b> |

| T                               |       |                                 |       | <b>✓</b> |
|---------------------------------|-------|---------------------------------|-------|----------|
| Actual Function                 | Count | Expected Function               | Count | Result   |
| BilinearXMYM_u16_u16XMu16YM_Cnt | 1     | BilinearXMYM_u16_u16XMu16YM_Cnt | 1     | ~        |

| Test Step 2.39 (Repeat Count = 1)                    | Inmut Value  |                          |       |
|--|--------------|--------------------------|-------|
| Name   | Input Value  |                          |       |
| CcwEOT_HwDeg_T_f32                                   | -643.47998   |                          |       |
| CwEOT_HwDeg_T_f32                                    | 654.747009   |                          |       |
| EOTActuatorMng_Damping_MtrNm_M_f32                   | 4.4000001    |                          |       |
| EOTActuatorMng_SESState_Uls_M_enum                   | SES_EXITING  |                          |       |
| HandWheelPos_HwDeg_T_f32                             | -111.650002  |                          |       |
| MotorVel_MtrRadpS_T_f32                              | 564.969971   |                          |       |
| VehicleSpeed_Kph_T_f32                               | 111.222      |                          |       |
| k_EOTPosDepDempFinalSlew_MtrNmpS_T_f32               | 400          |                          |       |
| t2_EOTExPosDepDmpTblY_MtrNmpRadps_u0p16[0][0]        | 0            |                          |       |
| t2_EOTExPosDepDmpTblY_MtrNmpRadps_u0p16[0][1]        | 262          |                          |       |
| t2_EOTExPosDepDmpTblY_MtrNmpRadps_u0p16[1][0]        | 0            |                          |       |
| t2_EOTExPosDepDmpTblY_MtrNmpRadps_u0p16[1][1]        | 262          |                          |       |
| t2_EOTExPosDepDmpTblY_MtrNmpRadps_u0p16[2][0]        | 0            |                          |       |
| t2_EOTExPosDepDmpTblY_MtrNmpRadps_u0p16[2][1]        | 262          |                          |       |
| t2_EOTExPosDepDmpTblY_MtrNmpRadps_u0p16[3][0]        | 0            |                          |       |
| t2_EOTExPosDepDmpTblY_MtrNmpRadps_u0p16[3][1]        | 262          |                          |       |
| t2_EOTPosDepDmpTblX_HwDeg_u12p4[0][0]                | 352          |                          |       |
| t2_EOTPosDepDmpTblX_HwDeg_u12p4[0][1]                | 2672         |                          |       |
| t2_EOTPosDepDmpTblX_HwDeg_u12p4[1][0]                | 800          |                          |       |
| t2_EOTPosDepDmpTblX_HwDeg_u12p4[1][1]                | 4336         |                          |       |
| t2_EOTPosDepDmpTblX_HwDeg_u12p4[2][0]                | 1312         |                          |       |
| t2_EOTPosDepDmpTblX_HwDeg_u12p4[2][1]                | 752          |                          |       |
| t2_EOTPosDepDmpTblX_HwDeg_u12p4[3][0]                | 352          |                          |       |
| t2_EOTPosDepDmpTblX_HwDeg_u12p4[3][1]                | 3472         |                          |       |
| t2_EOTPosDepDmpTblY_MtrNmpRadpS_u0p16[0][0]          | 80           |                          |       |
| t2_EOTPosDepDmpTblY_MtrNmpRadpS_u0p16[0][1]          | 114          |                          |       |
| t2_EOTPosDepDmpTblY_MtrNmpRadpS_u0p16[1][0]          | 32           |                          |       |
| t2_EOTPosDepDmpTblY_MtrNmpRadpS_u0p16[1][1]          | 44           |                          |       |
| t2_EOTPosDepDmpTblY_MtrNmpRadpS_u0p16[2][0]          | 607          |                          |       |
| t2_EOTPosDepDmpTblY_MtrNmpRadpS_u0p16[2][1]          | 861          |                          |       |
| t2_EOTPosDepDmpTblY_MtrNmpRadpS_u0p16[3][0]          | 455          |                          |       |
| t2_EOTPosDepDmpTblY_MtrNmpRadpS_u0p16[3][1]          | 646          |                          |       |
| t_EOTDmpVspd_Kph_u9p7[0]                             | 0            |                          |       |
| t_EOTDmpVspd_Kph_u9p7[1]                             | 768          |                          |       |
| t_EOTDmpVspd_Kph_u9p7[2]                             | 1280         |                          |       |
| t_EOTDmpVspd_Kph_u9p7[3]                             | 2560         |                          |       |
| Name   | Actual Value | Expected Value           | Resul |
|  | 3.60000014   | 3.5999999 ± 0.0000390625 | Resul |
| EOTActuatorMng_Damping_MtrNm_M_f32 SES CalcEOTDamp() | 3.60000014   | 3.5999999 ± 0.0000390625 |       |

| Τ                               |       |                                 |       |        |  |  |
|---------------------------------|-------|---------------------------------|-------|--------|--|--|
| Actual Function                 | Count | Expected Function               | Count | Result |  |  |
| BilinearXMYM_u16_u16XMu16YM_Cnt | 1     | BilinearXMYM_u16_u16XMu16YM_Cnt | 1     | ~      |  |  |





| Name  | Input Value               |                          |       |
|---|---------------------------|--------------------------|-------|
| CcwEOT_HwDeg_T_f32                                | -643.47998                |                          |       |
| CWEOT_HwDeg_T_i32                                 | 654.747009                |                          |       |
| EOTActuatorMng_Damping_MtrNm_M_f32                | 4.4000001                 |                          |       |
|   | SES EXITING               |                          |       |
| EOTActuatorMng_SESState_Uls_M_enum                | _                         |                          |       |
| HandWheelPos_HwDeg_T_f32  MotorVel_MtrRadpS_T_f32 | -111.650002<br>564.969971 |                          |       |
| ·   | 111.222                   |                          |       |
| VehicleSpeed_Kph_T_f32                            | 400.001007                |                          |       |
| k_EOTPosDepDempFinalSlew_MtrNmpS_T_f32            |                           |                          |       |
| t2_EOTExPosDepDmpTblY_MtrNmpRadps_u0p16[0][0]     | 0                         |                          |       |
| t2_EOTExPosDepDmpTblY_MtrNmpRadps_u0p16[0][1]     | 262                       |                          |       |
| t2_EOTExPosDepDmpTblY_MtrNmpRadps_u0p16[1][0]     | 0                         |                          |       |
| t2_EOTExPosDepDmpTblY_MtrNmpRadps_u0p16[1][1]     | 262                       |                          |       |
| t2_EOTExPosDepDmpTblY_MtrNmpRadps_u0p16[2][0]     | 0                         |                          |       |
| t2_EOTExPosDepDmpTblY_MtrNmpRadps_u0p16[2][1]     | 262                       |                          |       |
| t2_EOTExPosDepDmpTblY_MtrNmpRadps_u0p16[3][0]     | 0                         |                          |       |
| t2_EOTExPosDepDmpTblY_MtrNmpRadps_u0p16[3][1]     | 262                       |                          |       |
| t2_EOTPosDepDmpTblX_HwDeg_u12p4[0][0]             | 352                       |                          |       |
| t2_EOTPosDepDmpTblX_HwDeg_u12p4[0][1]             | 2672                      |                          |       |
| t2_EOTPosDepDmpTblX_HwDeg_u12p4[1][0]             | 800                       |                          |       |
| t2_EOTPosDepDmpTblX_HwDeg_u12p4[1][1]             | 4336                      |                          |       |
| t2_EOTPosDepDmpTblX_HwDeg_u12p4[2][0]             | 1312                      |                          |       |
| t2_EOTPosDepDmpTblX_HwDeg_u12p4[2][1]             | 752                       |                          |       |
| t2_EOTPosDepDmpTblX_HwDeg_u12p4[3][0]             | 352                       |                          |       |
| t2_EOTPosDepDmpTblX_HwDeg_u12p4[3][1]             | 3472                      |                          |       |
| t2_EOTPosDepDmpTblY_MtrNmpRadpS_u0p16[0][0]       | 80                        |                          |       |
| t2_EOTPosDepDmpTblY_MtrNmpRadpS_u0p16[0][1]       | 114                       |                          |       |
| t2_EOTPosDepDmpTblY_MtrNmpRadpS_u0p16[1][0]       | 32                        |                          |       |
| t2_EOTPosDepDmpTblY_MtrNmpRadpS_u0p16[1][1]       | 44                        |                          |       |
| t2 EOTPosDepDmpTblY MtrNmpRadpS u0p16[2][0]       | 607                       |                          |       |
| t2_EOTPosDepDmpTblY_MtrNmpRadpS_u0p16[2][1]       | 861                       |                          |       |
| t2_EOTPosDepDmpTblY_MtrNmpRadpS_u0p16[3][0]       | 455                       |                          |       |
| t2_EOTPosDepDmpTblY_MtrNmpRadpS_u0p16[3][1]       | 646                       |                          |       |
| t_EOTDmpVspd_Kph_u9p7[0]                          | 0                         |                          |       |
| t_EOTDmpVspd_Kph_u9p7[1]                          | 768                       |                          |       |
| t_EOTDmpVspd_Kph_u9p7[2]                          | 1280                      |                          |       |
| t_EOTDmpVspd_Kph_u9p7[3]                          | 2560                      |                          |       |
| Name  | Actual Value              | Expected Value           | Resul |
| EOTActuatorMng_Damping_MtrNm_M_f32                | 3.599998                  | 3,5999999 ± 0,0000390625 | Resul |
| SES CalcEOTDamp()                                 | 3.599998                  | 3.599998                 |       |

| Т                               |       |                                 |       |        |  |
|---------------------------------|-------|---------------------------------|-------|--------|--|
| Actual Function                 | Count | Expected Function               | Count | Result |  |
| BilinearXMYM_u16_u16XMu16YM_Cnt | 1     | BilinearXMYM_u16_u16XMu16YM_Cnt | 1     | ~      |  |

| Test Step 2.41 (Repeat Count = 1)             |             | · |
|---|-------------|---|
| Name  | Input Value |   |
| CcwEOT_HwDeg_T_f32                            | -999.869995 |   |
| CwEOT_HwDeg_T_f32                             | 787.36499   |   |
| EOTActuatorMng_Damping_MtrNm_M_f32            | -20.5       |   |
| EOTActuatorMng_SESState_Uls_M_enum            | SES_EXITING |   |
| HandWheelPos_HwDeg_T_f32                      | -222.339996 |   |
| MotorVel_MtrRadpS_T_f32                       | 1000.04999  |   |
| VehicleSpeed_Kph_T_f32                        | 333.333008  |   |
| k_EOTPosDepDempFinalSlew_MtrNmpS_T_f32        | 0           |   |
| t2_EOTExPosDepDmpTblY_MtrNmpRadps_u0p16[0][0] | 0           |   |
| t2_EOTExPosDepDmpTblY_MtrNmpRadps_u0p16[0][1] | 0           |   |
| t2_EOTExPosDepDmpTblY_MtrNmpRadps_u0p16[1][0] | 0           |   |
| t2_EOTExPosDepDmpTblY_MtrNmpRadps_u0p16[1][1] | 0           |   |
| t2_EOTExPosDepDmpTblY_MtrNmpRadps_u0p16[2][0] | 0           |   |
| t2_EOTExPosDepDmpTblY_MtrNmpRadps_u0p16[2][1] | 0           |   |
| t2_EOTExPosDepDmpTblY_MtrNmpRadps_u0p16[3][0] | 0           |   |
| t2_EOTExPosDepDmpTblY_MtrNmpRadps_u0p16[3][1] | 0           |   |
| t2_EOTPosDepDmpTblX_HwDeg_u12p4[0][0]         | 144         |   |
| t2_EOTPosDepDmpTblX_HwDeg_u12p4[0][1]         | 304         |   |
| t2_EOTPosDepDmpTblX_HwDeg_u12p4[1][0]         | 896         |   |
| t2_EOTPosDepDmpTblX_HwDeg_u12p4[1][1]         | 4304        |   |
| t2_EOTPosDepDmpTblX_HwDeg_u12p4[2][0]         | 1120        |   |



| Name  | Input Value  |                      |        |
|---|--------------|----------------------|--------|
| t2_EOTPosDepDmpTblX_HwDeg_u12p4[2][1]       | 1504         |                      |        |
| t2_EOTPosDepDmpTblX_HwDeg_u12p4[3][0]       | 288          |                      |        |
| t2_EOTPosDepDmpTblX_HwDeg_u12p4[3][1]       | 3440         |                      |        |
| t2_EOTPosDepDmpTblY_MtrNmpRadpS_u0p16[0][0] | 0            |                      |        |
| t2_EOTPosDepDmpTblY_MtrNmpRadpS_u0p16[0][1] | 128          |                      |        |
| t2_EOTPosDepDmpTblY_MtrNmpRadpS_u0p16[1][0] | 1            |                      |        |
| t2_EOTPosDepDmpTblY_MtrNmpRadpS_u0p16[1][1] | 1            |                      |        |
| t2_EOTPosDepDmpTblY_MtrNmpRadpS_u0p16[2][0] | 577          |                      |        |
| t2_EOTPosDepDmpTblY_MtrNmpRadpS_u0p16[2][1] | 818          |                      |        |
| t2_EOTPosDepDmpTblY_MtrNmpRadpS_u0p16[3][0] | 425          |                      |        |
| t2_EOTPosDepDmpTblY_MtrNmpRadpS_u0p16[3][1] | 603          |                      |        |
| t_EOTDmpVspd_Kph_u9p7[0]                    | 10240        |                      |        |
| t_EOTDmpVspd_Kph_u9p7[1]                    | 20480        |                      |        |
| t_EOTDmpVspd_Kph_u9p7[2]                    | 21760        |                      |        |
| t_EOTDmpVspd_Kph_u9p7[3]                    | 24320        |                      |        |
| Name  | Actual Value | Expected Value       | Result |
| EOTActuatorMng_Damping_MtrNm_M_f32          | -20.5        | -20.5 ± 0.0000390625 | ✓      |
| SES_CalcEOTDamp()                           | -20.5        | -20.5                | ✓      |

| T                               |       |                                 |       |        |
|---------------------------------|-------|---------------------------------|-------|--------|
| Actual Function                 | Count | Expected Function               | Count | Result |
| BilinearXMYM_u16_u16XMu16YM_Cnt | 1     | BilinearXMYM_u16_u16XMu16YM_Cnt | 1     | ~      |

| Test Step 2.42 (Repeat Count = 1)             | Innut V      |                           |         |
|---|--------------|---------------------------|---------|
| Name  | Input Value  |                           |         |
| CcwEOT_HwDeg_T_f32                            | -475.619995  |                           |         |
| CwEOT_HwDeg_T_f32                             | 543.427979   |                           |         |
| EOTActuatorMng_Damping_MtrNm_M_f32            | 20.5         |                           |         |
| EOTActuatorMng_SESState_Uls_M_enum            | SES_EXITING  |                           |         |
| HandWheelPos_HwDeg_T_f32                      | 111.739998   |                           |         |
| MotorVel_MtrRadpS_T_f32                       | 543.283997   |                           |         |
| VehicleSpeed_Kph_T_f32                        | 222.110992   |                           |         |
| k_EOTPosDepDempFinalSlew_MtrNmpS_T_f32        | 1200         |                           |         |
| t2_EOTExPosDepDmpTblY_MtrNmpRadps_u0p16[0][0] | 983          |                           |         |
| t2_EOTExPosDepDmpTblY_MtrNmpRadps_u0p16[0][1] | 983          |                           |         |
| t2_EOTExPosDepDmpTblY_MtrNmpRadps_u0p16[1][0] | 983          |                           |         |
| t2_EOTExPosDepDmpTblY_MtrNmpRadps_u0p16[1][1] | 983          |                           |         |
| t2_EOTExPosDepDmpTblY_MtrNmpRadps_u0p16[2][0] | 983          |                           |         |
| t2_EOTExPosDepDmpTblY_MtrNmpRadps_u0p16[2][1] | 983          |                           |         |
| t2_EOTExPosDepDmpTblY_MtrNmpRadps_u0p16[3][0] | 983          |                           |         |
| t2_EOTExPosDepDmpTblY_MtrNmpRadps_u0p16[3][1] | 983          |                           |         |
| t2_EOTPosDepDmpTbIX_HwDeg_u12p4[0][0]         | 480          |                           |         |
| t2_EOTPosDepDmpTbIX_HwDeg_u12p4[0][1]         | 2656         |                           |         |
| t2_EOTPosDepDmpTbIX_HwDeg_u12p4[1][0]         | 928          |                           |         |
| t2_EOTPosDepDmpTbIX_HwDeg_u12p4[1][1]         | 4320         |                           |         |
| t2_EOTPosDepDmpTbIX_HwDeg_u12p4[2][0]         | 1280         |                           |         |
| t2_EOTPosDepDmpTblX_HwDeg_u12p4[2][1]         | 736          |                           |         |
| t2_EOTPosDepDmpTblX_HwDeg_u12p4[3][0]         | 640          |                           |         |
| t2_EOTPosDepDmpTblX_HwDeg_u12p4[3][1]         | 3456         |                           |         |
| t2_EOTPosDepDmpTblY_MtrNmpRadpS_u0p16[0][0]   | 79           |                           |         |
| t2_EOTPosDepDmpTblY_MtrNmpRadpS_u0p16[0][1]   | 112          |                           |         |
| t2_EOTPosDepDmpTblY_MtrNmpRadpS_u0p16[1][0]   | 16           |                           |         |
| t2_EOTPosDepDmpTblY_MtrNmpRadpS_u0p16[1][1]   | 22           |                           |         |
| t2_EOTPosDepDmpTblY_MtrNmpRadpS_u0p16[2][0]   | 592          |                           |         |
| t2_EOTPosDepDmpTblY_MtrNmpRadpS_u0p16[2][1]   | 839          |                           |         |
| t2_EOTPosDepDmpTblY_MtrNmpRadpS_u0p16[3][0]   | 440          |                           |         |
| t2_EOTPosDepDmpTblY_MtrNmpRadpS_u0p16[3][1]   | 624          |                           |         |
| t_EOTDmpVspd_Kph_u9p7[0]                      | 0            |                           |         |
| t_EOTDmpVspd_Kph_u9p7[1]                      | 640          |                           |         |
| t_EOTDmpVspd_Kph_u9p7[2]                      | 1280         |                           |         |
| t_EOTDmpVspd_Kph_u9p7[3]                      | 2560         |                           |         |
| Name  | Actual Value | Expected Value            | Resul   |
| EOTActuatorMng_Damping_MtrNm_M_f32            | 18.1000004   | 18.1000004 ± 0.0000390625 | , tosui |
| SES CalcEOTDamp()                             | 18.1000004   | 18.1000004                |         |

| T                               |       |                                 |       |        |  |
|---------------------------------|-------|---------------------------------|-------|--------|--|
| Actual Function                 | Count | Expected Function               | Count | Result |  |
| BilinearXMYM_u16_u16XMu16YM_Cnt | 1     | BilinearXMYM_u16_u16XMu16YM_Cnt | 1     | ~      |  |





| Test Step 2.43 (Repeat Count = 1)             |              |                  | <b>✓</b> |
|---|--------------|------------------|----------|
| Name  | Input Value  |                  |          |
| CcwEOT_HwDeg_T_f32                            | -643.47998   |                  |          |
| CwEOT_HwDeg_T_f32                             | 654.747009   |                  |          |
| EOTActuatorMng_Damping_MtrNm_M_f32            | 0            |                  |          |
| EOTActuatorMng_SESState_Uls_M_enum            | SES_EXITING  |                  |          |
| HandWheelPos_HwDeg_T_f32                      | -111.650002  |                  |          |
| MotorVel_MtrRadpS_T_f32                       | 564.969971   |                  |          |
| VehicleSpeed_Kph_T_f32                        | 111.222      |                  |          |
| k_EOTPosDepDempFinalSlew_MtrNmpS_T_f32        | 600          |                  |          |
| t2_EOTExPosDepDmpTblY_MtrNmpRadps_u0p16[0][0] | 0            |                  |          |
| t2_EOTExPosDepDmpTblY_MtrNmpRadps_u0p16[0][1] | 262          |                  |          |
| t2_EOTExPosDepDmpTblY_MtrNmpRadps_u0p16[1][0] | 0            |                  |          |
| t2_EOTExPosDepDmpTblY_MtrNmpRadps_u0p16[1][1] | 262          |                  |          |
| t2_EOTExPosDepDmpTblY_MtrNmpRadps_u0p16[2][0] | 0            |                  |          |
| t2_EOTExPosDepDmpTblY_MtrNmpRadps_u0p16[2][1] | 262          |                  |          |
| t2_EOTExPosDepDmpTblY_MtrNmpRadps_u0p16[3][0] | 0            |                  |          |
| t2_EOTExPosDepDmpTblY_MtrNmpRadps_u0p16[3][1] | 262          |                  |          |
| t2_EOTPosDepDmpTblX_HwDeg_u12p4[0][0]         | 352          |                  |          |
| t2_EOTPosDepDmpTblX_HwDeg_u12p4[0][1]         | 2672         |                  |          |
| t2_EOTPosDepDmpTblX_HwDeg_u12p4[1][0]         | 800          |                  |          |
| t2_EOTPosDepDmpTblX_HwDeg_u12p4[1][1]         | 4336         |                  |          |
| t2_EOTPosDepDmpTblX_HwDeg_u12p4[2][0]         | 1312         |                  |          |
| t2_EOTPosDepDmpTblX_HwDeg_u12p4[2][1]         | 752          |                  |          |
| t2_EOTPosDepDmpTblX_HwDeg_u12p4[3][0]         | 352          |                  |          |
| t2_EOTPosDepDmpTblX_HwDeg_u12p4[3][1]         | 3472         |                  |          |
| t2_EOTPosDepDmpTblY_MtrNmpRadpS_u0p16[0][0]   | 80           |                  |          |
| t2_EOTPosDepDmpTblY_MtrNmpRadpS_u0p16[0][1]   | 114          |                  |          |
| t2_EOTPosDepDmpTblY_MtrNmpRadpS_u0p16[1][0]   | 32           |                  |          |
| t2_EOTPosDepDmpTblY_MtrNmpRadpS_u0p16[1][1]   | 44           |                  |          |
| t2_EOTPosDepDmpTblY_MtrNmpRadpS_u0p16[2][0]   | 607          |                  |          |
| t2_EOTPosDepDmpTblY_MtrNmpRadpS_u0p16[2][1]   | 861          |                  |          |
| t2_EOTPosDepDmpTblY_MtrNmpRadpS_u0p16[3][0]   | 455          |                  |          |
| t2_EOTPosDepDmpTblY_MtrNmpRadpS_u0p16[3][1]   | 646          |                  |          |
| t_EOTDmpVspd_Kph_u9p7[0]                      | 0            |                  |          |
| t_EOTDmpVspd_Kph_u9p7[1]                      | 768          |                  |          |
| t_EOTDmpVspd_Kph_u9p7[2]                      | 1280         |                  |          |
| t_EOTDmpVspd_Kph_u9p7[3]                      | 2560         |                  |          |
| Name  | Actual Value | Expected Value   | Result   |
| EOTActuatorMng_Damping_MtrNm_M_f32            | 0            | 0 ± 0.0000390625 | ~        |
| SES_CalcEOTDamp()                             | 0            | 0                | <b>✓</b> |

| T                               |       |                                 |       |        |
|---------------------------------|-------|---------------------------------|-------|--------|
| Actual Function                 | Count | Expected Function               | Count | Result |
| BilinearXMYM_u16_u16XMu16YM_Cnt | 1     | BilinearXMYM_u16_u16XMu16YM_Cnt | 1     | •      |

| Test Step 2.44 (Repeat Count = 1)             | v v v v v v v v v v v v v v v v v v v |
|---|---------------------------------------|
| Name  | Input Value                           |
| CcwEOT_HwDeg_T_f32                            | -475.619995                           |
| CwEOT_HwDeg_T_f32                             | 543.427979                            |
| EOTActuatorMng_Damping_MtrNm_M_f32            | -4.4000001                            |
| EOTActuatorMng_SESState_Uls_M_enum            | SES_EXITING                           |
| HandWheelPos_HwDeg_T_f32                      | 111.739998                            |
| MotorVel_MtrRadpS_T_f32                       | 543.283997                            |
| VehicleSpeed_Kph_T_f32                        | 222.110992                            |
| k_EOTPosDepDempFinalSlew_MtrNmpS_T_f32        | 1200                                  |
| t2_EOTExPosDepDmpTblY_MtrNmpRadps_u0p16[0][0] | 983                                   |
| t2_EOTExPosDepDmpTblY_MtrNmpRadps_u0p16[0][1] | 983                                   |
| t2_EOTExPosDepDmpTblY_MtrNmpRadps_u0p16[1][0] | 983                                   |
| t2_EOTExPosDepDmpTblY_MtrNmpRadps_u0p16[1][1] | 983                                   |
| t2_EOTExPosDepDmpTblY_MtrNmpRadps_u0p16[2][0] | 983                                   |
| t2_EOTExPosDepDmpTblY_MtrNmpRadps_u0p16[2][1] | 983                                   |
| t2_EOTExPosDepDmpTblY_MtrNmpRadps_u0p16[3][0] | 983                                   |
| t2_EOTExPosDepDmpTblY_MtrNmpRadps_u0p16[3][1] | 983                                   |
| t2_EOTPosDepDmpTblX_HwDeg_u12p4[0][0]         | 480                                   |
| t2_EOTPosDepDmpTblX_HwDeg_u12p4[0][1]         | 2656                                  |
| t2_EOTPosDepDmpTblX_HwDeg_u12p4[1][0]         | 928                                   |
| t2_EOTPosDepDmpTblX_HwDeg_u12p4[1][1]         | 4320                                  |
| t2_EOTPosDepDmpTblX_HwDeg_u12p4[2][0]         | 1280                                  |



| Name  | Input Value  |                   |        |
|---|--------------|-------------------|--------|
| t2_EOTPosDepDmpTblX_HwDeg_u12p4[2][1]       | 736          |                   |        |
| t2_EOTPosDepDmpTblX_HwDeg_u12p4[3][0]       | 640          |                   |        |
| t2_EOTPosDepDmpTblX_HwDeg_u12p4[3][1]       | 3456         |                   |        |
| t2_EOTPosDepDmpTblY_MtrNmpRadpS_u0p16[0][0] | 79           |                   |        |
| t2_EOTPosDepDmpTblY_MtrNmpRadpS_u0p16[0][1] | 112          |                   |        |
| t2_EOTPosDepDmpTblY_MtrNmpRadpS_u0p16[1][0] | 16           |                   |        |
| t2_EOTPosDepDmpTblY_MtrNmpRadpS_u0p16[1][1] | 22           |                   |        |
| t2_EOTPosDepDmpTblY_MtrNmpRadpS_u0p16[2][0] | 592          |                   |        |
| t2_EOTPosDepDmpTblY_MtrNmpRadpS_u0p16[2][1] | 839          |                   |        |
| t2_EOTPosDepDmpTblY_MtrNmpRadpS_u0p16[3][0] | 440          |                   |        |
| t2_EOTPosDepDmpTblY_MtrNmpRadpS_u0p16[3][1] | 624          |                   |        |
| t_EOTDmpVspd_Kph_u9p7[0]                    | 0            |                   |        |
| t_EOTDmpVspd_Kph_u9p7[1]                    | 640          |                   |        |
| t_EOTDmpVspd_Kph_u9p7[2]                    | 1280         |                   |        |
| t_EOTDmpVspd_Kph_u9p7[3]                    | 2560         |                   |        |
| Name  | Actual Value | Expected Value    | Result |
| EOTActuatorMng_Damping_MtrNm_M_f32          | -2           | -2 ± 0.0000390625 | ~      |
| SES_CalcEOTDamp()                           | -2           | -2                | ✓      |

| T                               |       |                                 |       | <b>✓</b> |
|---------------------------------|-------|---------------------------------|-------|----------|
| Actual Function                 | Count | Expected Function               | Count | Result   |
| BilinearXMYM_u16_u16XMu16YM_Cnt | 1     | BilinearXMYM_u16_u16XMu16YM_Cnt | 1     | ~        |

| Test Step 2.45 (Repeat Count = 1)             | Innut Value  |                           |        |
|---|--------------|---------------------------|--------|
| Name  | Input Value  |                           |        |
| CcwEOT_HwDeg_T_f32                            | -643.47998   |                           |        |
| CwEOT_HwDeg_T_f32                             | 654.747009   |                           |        |
| EOTActuatorMng_Damping_MtrNm_M_f32            | 4.4000001    |                           |        |
| EOTActuatorMng_SESState_Uls_M_enum            | SES_EXITING  |                           |        |
| HandWheelPos_HwDeg_T_f32                      | -111.650002  |                           |        |
| MotorVel_MtrRadpS_T_f32                       | 564.969971   |                           |        |
| VehicleSpeed_Kph_T_f32                        | 111.222      |                           |        |
| k_EOTPosDepDempFinalSlew_MtrNmpS_T_f32        | 600          |                           |        |
| t2_EOTExPosDepDmpTblY_MtrNmpRadps_u0p16[0][0] | 0            |                           |        |
| t2_EOTExPosDepDmpTblY_MtrNmpRadps_u0p16[0][1] | 262          |                           |        |
| t2_EOTExPosDepDmpTblY_MtrNmpRadps_u0p16[1][0] | 0            |                           |        |
| t2_EOTExPosDepDmpTblY_MtrNmpRadps_u0p16[1][1] | 262          |                           |        |
| t2_EOTExPosDepDmpTblY_MtrNmpRadps_u0p16[2][0] | 0            |                           |        |
| t2_EOTExPosDepDmpTbIY_MtrNmpRadps_u0p16[2][1] | 262          |                           |        |
| t2_EOTExPosDepDmpTblY_MtrNmpRadps_u0p16[3][0] | 0            |                           |        |
| t2_EOTExPosDepDmpTblY_MtrNmpRadps_u0p16[3][1] | 262          |                           |        |
| t2_EOTPosDepDmpTblX_HwDeg_u12p4[0][0]         | 352          |                           |        |
| t2_EOTPosDepDmpTblX_HwDeg_u12p4[0][1]         | 2672         |                           |        |
| t2_EOTPosDepDmpTblX_HwDeg_u12p4[1][0]         | 800          |                           |        |
| t2_EOTPosDepDmpTblX_HwDeg_u12p4[1][1]         | 4336         |                           |        |
| t2_EOTPosDepDmpTblX_HwDeg_u12p4[2][0]         | 1312         |                           |        |
| t2_EOTPosDepDmpTblX_HwDeg_u12p4[2][1]         | 752          |                           |        |
| t2_EOTPosDepDmpTblX_HwDeg_u12p4[3][0]         | 352          |                           |        |
| t2_EOTPosDepDmpTblX_HwDeg_u12p4[3][1]         | 3472         |                           |        |
| t2_EOTPosDepDmpTblY_MtrNmpRadpS_u0p16[0][0]   | 80           |                           |        |
| t2_EOTPosDepDmpTblY_MtrNmpRadpS_u0p16[0][1]   | 114          |                           |        |
| t2_EOTPosDepDmpTblY_MtrNmpRadpS_u0p16[1][0]   | 32           |                           |        |
| t2_EOTPosDepDmpTblY_MtrNmpRadpS_u0p16[1][1]   | 44           |                           |        |
| t2_EOTPosDepDmpTblY_MtrNmpRadpS_u0p16[2][0]   | 607          |                           |        |
| t2_EOTPosDepDmpTblY_MtrNmpRadpS_u0p16[2][1]   | 861          |                           |        |
| t2_EOTPosDepDmpTblY_MtrNmpRadpS_u0p16[3][0]   | 455          |                           |        |
| t2_EOTPosDepDmpTblY_MtrNmpRadpS_u0p16[3][1]   | 646          |                           |        |
| t_EOTDmpVspd_Kph_u9p7[0]                      | 0            |                           |        |
| t_EOTDmpVspd_Kph_u9p7[1]                      | 768          |                           |        |
| t_EOTDmpVspd_Kph_u9p7[2]                      | 1280         |                           |        |
| t_EOTDmpVspd_Kph_u9p7[3]                      | 2560         |                           |        |
| Name  | Actual Value | Expected Value            | Result |
| EOTActuatorMng_Damping_MtrNm_M_f32            | 3.20000005   | 3,20000005 ± 0,0000390625 | Result |
| SES CalcEOTDamp()                             | 3.20000005   | 3.20000005 ± 0.0000390023 |        |

| Τ                               |       |                                 |       |        |  |
|---------------------------------|-------|---------------------------------|-------|--------|--|
| Actual Function                 | Count | Expected Function               | Count | Result |  |
| BilinearXMYM_u16_u16XMu16YM_Cnt | 1     | BilinearXMYM_u16_u16XMu16YM_Cnt | 1     | ~      |  |





| Name   | Input Value    |                      |       |
|--|----------------|----------------------|-------|
| CcwEOT_HwDeg_T_f32                                   | -1440.10999    |                      |       |
| CwEOT_HwDeg_T_f32                                    | 0              |                      |       |
| EOTActuatorMng_Damping_MtrNm_M_f32                   | -20.5          |                      |       |
| EOTActuatorMng_SESState_Uls_M_enum                   | SES DISABLED   |                      |       |
| HandWheelPos_HwDeg_T_f32                             | -1440.10999    |                      |       |
| MotorVel_MtrRadpS_T_f32                              | -1118          |                      |       |
| VehicleSpeed_Kph_T_f32                               | 0              |                      |       |
| k_EOTPosDepDempFinalSlew_MtrNmpS_T_f32               | 0              |                      |       |
| t2_EOTExPosDepDmpTblY_MtrNmpRadps_u0p16[0][0]        | 0              |                      |       |
| t2_EOTEXPosDepDmpTblY_MtrNmpRadps_u0p16[0][0]        | 0              |                      |       |
| t2_EOTEXPosDepDmpTblY_MtrNmpRadps_u0p16[1][0]        | 0              |                      |       |
| t2_EOTExPosDepDmpTblY_MtrNmpRadps_u0p16[1][1]        | 0              |                      |       |
| t2_EOTExPosDepDmpTblY_MtrNmpRadps_u0p16[2][0]        | 0              |                      |       |
| t2_EOTEXPosDepDmpTblY_MtrNmpRadps_u0p16[2][0]        | 0              |                      |       |
| t2_EOTExPosDepDmpTblY_MtrNmpRadps_u0p16[3][0]        | 0              |                      |       |
| t2_EOTEXPosDepDmpTblY_MtrNmpRadps_u0p16[3][1]        | 0              |                      |       |
| t2_EOTPosDepDmpTbIX_HwDeg_u12p4[0][0]                | 0              |                      |       |
| t2_EOTPosDepDmpTbIX_HwDeg_u12p4[0][1]                | 0              |                      |       |
| t2_EOTPosDepDmpTbIX_HwDeg_u12p4[1][0]                | 0              |                      |       |
| t2_EOTPosDepDmpTbIX_HwDeg_u12p4[1][1]                | 0              |                      |       |
| t2_EOTPosDepDmpTbIX_HwDeg_u12p4[2][0]                | 0              |                      |       |
| t2_EOTPosDepDmpTbIX_HwDeg_u12p4[2][1]                | 0              |                      |       |
| t2_EOTPosDepDmpTblX_HwDeg_u12p4[3][0]                | 0              |                      |       |
| t2_EOTPosDepDmpTblX_HwDeg_u12p4[3][1]                | 0              |                      |       |
| t2_EOTPosDepDmpTblY_MtrNmpRadpS_u0p16[0][0]          | 0              |                      |       |
| t2_EOTPosDepDmpTbIY_MtrNmpRadpS_u0p16[0][1]          | 0              |                      |       |
| t2_EOTPosDepDmpTblY_MtrNmpRadpS_u0p16[1][0]          | 0              |                      |       |
| t2_EOTPosDepDmpTbIY_MtrNmpRadpS_u0p16[1][1]          | 0              |                      |       |
| t2_EOTPosDepDmpTblY_MtrNmpRadpS_u0p16[2][0]          | 0              |                      |       |
| t2_EOTPosDepDmpTbIY_MtrNmpRadpS_u0p16[2][1]          | 0              |                      |       |
| t2_EOTPosDepDmpTblY_MtrNmpRadpS_u0p16[3][0]          | 0              |                      |       |
| t2_EOTPosDepDmpTblY_MtrNmpRadpS_u0p16[3][1]          | 0              |                      |       |
| t_EOTDmpVspd_Kph_u9p7[0]                             | 0              |                      |       |
| t_EOTDmpVspd_Kph_u9p7[1]                             | 0              |                      |       |
| t_EOTDmpVspd_Kph_u9p7[2]                             | 0              |                      |       |
| t_EOTDmpVspd_Kph_u9p7[3]                             | 0              |                      |       |
| Name   | Actual Value   | Expected Value       | Resul |
|  | -20.5          | -20.5 ± 0.0000390625 | Resul |
| EOTActuatorMng_Damping_MtrNm_M_f32 SES_CalcEOTDamp() | -20.5<br>-20.5 | -20.5 ± 0.0000390625 |       |

| Т               |       |                          |       |        |  |
|-----------------|-------|--------------------------|-------|--------|--|
| Actual Function | Count | Expected Function        | Count | Result |  |
| *none*          | 0     | *** No Call Expected *** | 0     | ~      |  |

| Test Step 2.47 (Repeat Count = 1)             |             |
|---|-------------|
| Name  | Input Value |
| CcwEOT_HwDeg_T_f32                            | 0           |
| CwEOT_HwDeg_T_f32                             | 1440.10999  |
| EOTActuatorMng_Damping_MtrNm_M_f32            | 20.5        |
| EOTActuatorMng_SESState_Uls_M_enum            | SES_EXITING |
| HandWheelPos_HwDeg_T_f32                      | 1440.10999  |
| MotorVel_MtrRadpS_T_f32                       | 1118        |
| VehicleSpeed_Kph_T_f32                        | 511.992188  |
| k_EOTPosDepDempFinalSlew_MtrNmpS_T_f32        | 1200        |
| t2_EOTExPosDepDmpTblY_MtrNmpRadps_u0p16[0][0] | 983         |
| t2_EOTExPosDepDmpTblY_MtrNmpRadps_u0p16[0][1] | 983         |
| t2_EOTExPosDepDmpTblY_MtrNmpRadps_u0p16[1][0] | 983         |
| t2_EOTExPosDepDmpTblY_MtrNmpRadps_u0p16[1][1] | 983         |
| t2_EOTExPosDepDmpTblY_MtrNmpRadps_u0p16[2][0] | 983         |
| t2_EOTExPosDepDmpTblY_MtrNmpRadps_u0p16[2][1] | 983         |
| t2_EOTExPosDepDmpTblY_MtrNmpRadps_u0p16[3][0] | 983         |
| t2_EOTExPosDepDmpTblY_MtrNmpRadps_u0p16[3][1] | 983         |
| t2_EOTPosDepDmpTblX_HwDeg_u12p4[0][0]         | 5760        |
| t2_EOTPosDepDmpTblX_HwDeg_u12p4[0][1]         | 5760        |
| t2_EOTPosDepDmpTblX_HwDeg_u12p4[1][0]         | 5760        |
| t2_EOTPosDepDmpTblX_HwDeg_u12p4[1][1]         | 5760        |
| t2_EOTPosDepDmpTblX_HwDeg_u12p4[2][0]         | 5760        |

015-06- 9, 1 : 9:50+05 0



| Name  | Input Value  |                           |        |
|---|--------------|---------------------------|--------|
| t2_EOTPosDepDmpTblX_HwDeg_u12p4[2][1]       | 5760         |                           |        |
| t2_EOTPosDepDmpTblX_HwDeg_u12p4[3][0]       | 5760         |                           |        |
| t2_EOTPosDepDmpTblX_HwDeg_u12p4[3][1]       | 5760         |                           |        |
| t2_EOTPosDepDmpTblY_MtrNmpRadpS_u0p16[0][0] | 983          |                           |        |
| t2_EOTPosDepDmpTblY_MtrNmpRadpS_u0p16[0][1] | 983          |                           |        |
| t2_EOTPosDepDmpTblY_MtrNmpRadpS_u0p16[1][0] | 983          |                           |        |
| t2_EOTPosDepDmpTblY_MtrNmpRadpS_u0p16[1][1] | 983          |                           |        |
| t2_EOTPosDepDmpTblY_MtrNmpRadpS_u0p16[2][0] | 983          |                           |        |
| t2_EOTPosDepDmpTblY_MtrNmpRadpS_u0p16[2][1] | 983          |                           |        |
| t2_EOTPosDepDmpTblY_MtrNmpRadpS_u0p16[3][0] | 983          |                           |        |
| t2_EOTPosDepDmpTblY_MtrNmpRadpS_u0p16[3][1] | 983          |                           |        |
| t_EOTDmpVspd_Kph_u9p7[0]                    | 32640        |                           |        |
| t_EOTDmpVspd_Kph_u9p7[1]                    | 32640        |                           |        |
| t_EOTDmpVspd_Kph_u9p7[2]                    | 32640        |                           |        |
| t_EOTDmpVspd_Kph_u9p7[3]                    | 32640        |                           |        |
| Name  | Actual Value | Expected Value            | Result |
| EOTActuatorMng_Damping_MtrNm_M_f32          | 18.1000004   | 18.1000004 ± 0.0000390625 | ~      |
| SES_CalcEOTDamp()                           | 18.1000004   | 18.1000004                | ~      |

| Т                               |       |                                 |       |        |  |
|---------------------------------|-------|---------------------------------|-------|--------|--|
| Actual Function                 | Count | Expected Function               | Count | Result |  |
| BilinearXMYM_u16_u16XMu16YM_Cnt | 1     | BilinearXMYM_u16_u16XMu16YM_Cnt | 1     | ~      |  |

#### **Test Case 3: Path Test**

Specification

Performance Metrics (With "None" Instrumentation and WithPS Environment)
CPU Cycles:

TS3.1 539 cycles TS3.2 469 cycles TS3.3 59 cycles TS3.4 454 cycles TS3.5 542 cycles TS3.6 469 cycles

Description

Vector Description

 $TS3.1"(SESState\_Uls\_M\_enum = SES\_DISABLED) = False$ 

and (HandWheelPos4\_HwDeg\_T\_f32 < D\_ZERO\_ULS\_F32)=True

(SESState\_Uls\_M\_enum = SES\_EXITING)=False"
TS3.2"(SESState\_Uls\_M\_enum = SES\_DISABLED)=False

(HandWheelPos4\_HwDeg\_T\_f32 < D\_ZERO\_ULS\_F32)=False"
TS3.3(SESState\_Uls\_M\_enum = SES\_DISABLED)=True
TS3.4(SESState\_Uls\_M\_enum = SES\_EXITING)=True

TS3.5"(SESState\_Uls\_M\_enum = SES\_DISABLED) =False

and

(SESState\_Uls\_M\_enum = SES\_EXITING) =False"

(SESSIATE\_UIS\_M\_Enum = SES\_EATTING) == raise
TS3.6"EOTDamping\_MtrNm\_T\_f32 = Limit\_m(EOTDamping\_MtrNm\_T\_f32,

((D\_2MS\_SEC\_F32 \* -k\_EOTPosDepDempFinalSlew\_MtrNmpS\_T\_f32)+ EOTActuatorMng\_Damping\_MtrNm\_M\_f32),

((D\_2MS\_SEC\_F32 \* k\_EOTPosDepDempFinalSlew\_MtrNmpS\_T\_f32)+ EOTActuatorMng\_Damping\_MtrNm\_M\_f32)) => FALSE"

| Test Step 3.1 (Repeat Count = 1)              | ✓           |
|---|-------------|
| Name  | Input Value |
| CcwEOT_HwDeg_T_f32                            | -1111       |
| CwEOT_HwDeg_T_f32                             | 0           |
| EOTActuatorMng_Damping_MtrNm_M_f32            | -8.80000019 |
| EOTActuatorMng_SESState_Uls_M_enum            | SES_NORMAL  |
| HandWheelPos_HwDeg_T_f32                      | -400        |
| MotorVel_MtrRadpS_T_f32                       | 805         |
| VehicleSpeed_Kph_T_f32                        | 111         |
| k_EOTPosDepDempFinalSlew_MtrNmpS_T_f32        | 0           |
| t2_EOTExPosDepDmpTblY_MtrNmpRadps_u0p16[0][0] | 0           |
| t2_EOTExPosDepDmpTblY_MtrNmpRadps_u0p16[0][1] | 256         |
| t2_EOTExPosDepDmpTblY_MtrNmpRadps_u0p16[1][0] | 154         |
| t2_EOTExPosDepDmpTblY_MtrNmpRadps_u0p16[1][1] | 512         |
| t2_EOTExPosDepDmpTblY_MtrNmpRadps_u0p16[2][0] | 94          |
| t2_EOTExPosDepDmpTblY_MtrNmpRadps_u0p16[2][1] | 305         |
| t2_EOTExPosDepDmpTblY_MtrNmpRadps_u0p16[3][0] | 160         |
| t2_EOTExPosDepDmpTblY_MtrNmpRadps_u0p16[3][1] | 224         |
| t2_EOTPosDepDmpTblX_HwDeg_u12p4[0][0]         | 320         |
| t2_EOTPosDepDmpTblX_HwDeg_u12p4[0][1]         | 0           |
| t2_EOTPosDepDmpTblX_HwDeg_u12p4[1][0]         | 560         |
| t2_EOTPosDepDmpTbIX_HwDeg_u12p4[1][1]         | 720         |



| Name  | Input Value  |                            |          |
|---|--------------|----------------------------|----------|
| t2_EOTPosDepDmpTblX_HwDeg_u12p4[2][0]       | 1760         |                            |          |
| t2_EOTPosDepDmpTblX_HwDeg_u12p4[2][1]       | 3520         |                            |          |
| t2_EOTPosDepDmpTblX_HwDeg_u12p4[3][0]       | 5600         |                            |          |
| t2_EOTPosDepDmpTblX_HwDeg_u12p4[3][1]       | 4800         |                            |          |
| t2_EOTPosDepDmpTblY_MtrNmpRadpS_u0p16[0][0] | 0            |                            |          |
| t2_EOTPosDepDmpTblY_MtrNmpRadpS_u0p16[0][1] | 128          |                            |          |
| t2_EOTPosDepDmpTblY_MtrNmpRadpS_u0p16[1][0] | 146          |                            |          |
| t2_EOTPosDepDmpTblY_MtrNmpRadpS_u0p16[1][1] | 416          |                            |          |
| t2_EOTPosDepDmpTblY_MtrNmpRadpS_u0p16[2][0] | 305          |                            |          |
| t2_EOTPosDepDmpTblY_MtrNmpRadpS_u0p16[2][1] | 640          |                            |          |
| t2_EOTPosDepDmpTblY_MtrNmpRadpS_u0p16[3][0] | 93           |                            |          |
| t2_EOTPosDepDmpTblY_MtrNmpRadpS_u0p16[3][1] | 448          |                            |          |
| t_EOTDmpVspd_Kph_u9p7[0]                    | 0            |                            |          |
| t_EOTDmpVspd_Kph_u9p7[1]                    | 65535        |                            |          |
| t_EOTDmpVspd_Kph_u9p7[2]                    | 65535        |                            |          |
| t_EOTDmpVspd_Kph_u9p7[3]                    | 65535        |                            |          |
| Name  | Actual Value | Expected Value             | Result   |
| EOTActuatorMng_Damping_MtrNm_M_f32          | -8.80000019  | -8.80000019 ± 0.0000390625 | ~        |
| SES_CalcEOTDamp()                           | -8.80000019  | -8.80000019                | <b>~</b> |

| T                               |       |                                 |       |        |  |
|---------------------------------|-------|---------------------------------|-------|--------|--|
| Actual Function                 | Count | Expected Function               | Count | Result |  |
| BilinearXMYM u16 u16XMu16YM Cnt | 1     | BilinearXMYM u16 u16XMu16YM Cnt | 1     | _      |  |

| Test Step 3.2 (Repeat Count = 1)              |              |                          | <b>✓</b> |
|---|--------------|--------------------------|----------|
| Name  | Input Value  |                          |          |
| CcwEOT_HwDeg_T_f32                            | -122         |                          |          |
| CwEOT_HwDeg_T_f32                             | 1440         |                          |          |
| EOTActuatorMng_Damping_MtrNm_M_f32            | 8.80000019   |                          |          |
| EOTActuatorMng_SESState_Uls_M_enum            | SES_ENTERING |                          |          |
| HandWheelPos_HwDeg_T_f32                      | 400          |                          |          |
| MotorVel_MtrRadpS_T_f32                       | -705         |                          |          |
| VehicleSpeed_Kph_T_f32                        | 222          |                          |          |
| k_EOTPosDepDempFinalSlew_MtrNmpS_T_f32        | 1200         |                          |          |
| t2_EOTExPosDepDmpTblY_MtrNmpRadps_u0p16[0][0] | 0            |                          |          |
| t2_EOTExPosDepDmpTblY_MtrNmpRadps_u0p16[0][1] | 256          |                          |          |
| t2_EOTExPosDepDmpTblY_MtrNmpRadps_u0p16[1][0] | 154          |                          |          |
| t2_EOTExPosDepDmpTblY_MtrNmpRadps_u0p16[1][1] | 512          |                          |          |
| t2_EOTExPosDepDmpTblY_MtrNmpRadps_u0p16[2][0] | 94           |                          |          |
| t2_EOTExPosDepDmpTblY_MtrNmpRadps_u0p16[2][1] | 305          |                          |          |
| t2_EOTExPosDepDmpTblY_MtrNmpRadps_u0p16[3][0] | 160          |                          |          |
| t2_EOTExPosDepDmpTblY_MtrNmpRadps_u0p16[3][1] | 224          |                          |          |
| t2_EOTPosDepDmpTblX_HwDeg_u12p4[0][0]         | 320          |                          |          |
| t2_EOTPosDepDmpTblX_HwDeg_u12p4[0][1]         | 0            |                          |          |
| t2_EOTPosDepDmpTblX_HwDeg_u12p4[1][0]         | 560          |                          |          |
| t2_EOTPosDepDmpTblX_HwDeg_u12p4[1][1]         | 720          |                          |          |
| t2_EOTPosDepDmpTblX_HwDeg_u12p4[2][0]         | 1760         |                          |          |
| t2_EOTPosDepDmpTblX_HwDeg_u12p4[2][1]         | 3520         |                          |          |
| t2_EOTPosDepDmpTblX_HwDeg_u12p4[3][0]         | 5600         |                          |          |
| t2_EOTPosDepDmpTblX_HwDeg_u12p4[3][1]         | 4800         |                          |          |
| t2_EOTPosDepDmpTblY_MtrNmpRadpS_u0p16[0][0]   | 0            |                          |          |
| t2_EOTPosDepDmpTblY_MtrNmpRadpS_u0p16[0][1]   | 128          |                          |          |
| t2_EOTPosDepDmpTblY_MtrNmpRadpS_u0p16[1][0]   | 146          |                          |          |
| t2_EOTPosDepDmpTblY_MtrNmpRadpS_u0p16[1][1]   | 416          |                          |          |
| t2_EOTPosDepDmpTblY_MtrNmpRadpS_u0p16[2][0]   | 305          |                          |          |
| t2_EOTPosDepDmpTblY_MtrNmpRadpS_u0p16[2][1]   | 640          |                          |          |
| t2_EOTPosDepDmpTblY_MtrNmpRadpS_u0p16[3][0]   | 93           |                          |          |
| t2_EOTPosDepDmpTblY_MtrNmpRadpS_u0p16[3][1]   | 448          |                          |          |
| t_EOTDmpVspd_Kph_u9p7[0]                      | 0            |                          |          |
| t_EOTDmpVspd_Kph_u9p7[1]                      | 65535        |                          |          |
| t_EOTDmpVspd_Kph_u9p7[2]                      | 65535        |                          |          |
| t_EOTDmpVspd_Kph_u9p7[3]                      | 65535        |                          |          |
| Name  | Actual Value | Expected Value           | Result   |
| EOTActuatorMng_Damping_MtrNm_M_f32            | 6.4000001    | 6.4000001 ± 0.0000390625 | ~        |
| SES_CalcEOTDamp()                             | 6.4000001    | 6.4000001                | <b>✓</b> |

| T                               |       |                                 |       |        |  |
|---------------------------------|-------|---------------------------------|-------|--------|--|
| Actual Function                 | Count | Expected Function               | Count | Result |  |
| BilinearXMYM_u16_u16XMu16YM_Cnt | 1     | BilinearXMYM_u16_u16XMu16YM_Cnt | 1     | ~      |  |





| Test Step 3.3 (Repeat Count = 1)              |              |                           |       |
|---|--------------|---------------------------|-------|
| Name  | Input Value  |                           |       |
| CcwEOT_HwDeg_T_f32                            | -555         |                           |       |
| CwEOT_HwDeg_T_f32                             | 777          |                           |       |
| EOTActuatorMng_Damping_MtrNm_M_f32            | 4.400001     |                           |       |
| EOTActuatorMng_SESState_Uls_M_enum            | SES_DISABLED |                           |       |
| HandWheelPos_HwDeg_T_f32                      | -1100        |                           |       |
| MotorVel_MtrRadpS_T_f32                       | 770          |                           |       |
| VehicleSpeed_Kph_T_f32                        | 188          |                           |       |
| k_EOTPosDepDempFinalSlew_MtrNmpS_T_f32        | 600          |                           |       |
| t2_EOTExPosDepDmpTblY_MtrNmpRadps_u0p16[0][0] | 0            |                           |       |
| t2_EOTExPosDepDmpTblY_MtrNmpRadps_u0p16[0][1] | 256          |                           |       |
| t2_EOTExPosDepDmpTblY_MtrNmpRadps_u0p16[1][0] | 154          |                           |       |
| t2_EOTExPosDepDmpTblY_MtrNmpRadps_u0p16[1][1] | 512          |                           |       |
| t2_EOTExPosDepDmpTblY_MtrNmpRadps_u0p16[2][0] | 94           |                           |       |
| t2_EOTExPosDepDmpTblY_MtrNmpRadps_u0p16[2][1] | 305          |                           |       |
| t2_EOTExPosDepDmpTblY_MtrNmpRadps_u0p16[3][0] | 160          |                           |       |
| t2_EOTExPosDepDmpTblY_MtrNmpRadps_u0p16[3][1] | 224          |                           |       |
| t2_EOTPosDepDmpTblX_HwDeg_u12p4[0][0]         | 320          |                           |       |
| t2_EOTPosDepDmpTblX_HwDeg_u12p4[0][1]         | 0            |                           |       |
| t2_EOTPosDepDmpTblX_HwDeg_u12p4[1][0]         | 560          |                           |       |
| t2_EOTPosDepDmpTblX_HwDeg_u12p4[1][1]         | 720          |                           |       |
| t2_EOTPosDepDmpTblX_HwDeg_u12p4[2][0]         | 1760         |                           |       |
| t2_EOTPosDepDmpTblX_HwDeg_u12p4[2][1]         | 3520         |                           |       |
| t2_EOTPosDepDmpTblX_HwDeg_u12p4[3][0]         | 5600         |                           |       |
| t2_EOTPosDepDmpTblX_HwDeg_u12p4[3][1]         | 4800         |                           |       |
| t2_EOTPosDepDmpTblY_MtrNmpRadpS_u0p16[0][0]   | 0            |                           |       |
| t2_EOTPosDepDmpTblY_MtrNmpRadpS_u0p16[0][1]   | 128          |                           |       |
| t2_EOTPosDepDmpTblY_MtrNmpRadpS_u0p16[1][0]   | 146          |                           |       |
| t2_EOTPosDepDmpTblY_MtrNmpRadpS_u0p16[1][1]   | 416          |                           |       |
| t2_EOTPosDepDmpTblY_MtrNmpRadpS_u0p16[2][0]   | 305          |                           |       |
| t2_EOTPosDepDmpTblY_MtrNmpRadpS_u0p16[2][1]   | 640          |                           |       |
| t2_EOTPosDepDmpTblY_MtrNmpRadpS_u0p16[3][0]   | 93           |                           |       |
| t2_EOTPosDepDmpTblY_MtrNmpRadpS_u0p16[3][1]   | 448          |                           |       |
| t_EOTDmpVspd_Kph_u9p7[0]                      | 0            |                           |       |
| t_EOTDmpVspd_Kph_u9p7[1]                      | 65535        |                           |       |
| t_EOTDmpVspd_Kph_u9p7[2]                      | 65535        |                           |       |
| t_EOTDmpVspd_Kph_u9p7[3]                      | 65535        |                           |       |
| Name  | Actual Value | Expected Value            | Resul |
| EOTActuatorMng Damping MtrNm M f32            | 3.20000005   | 3.20000005 ± 0.0000390625 | 11000 |
| SES CalcEOTDamp()                             | 3.20000005   | 3,2000005                 |       |

| T               |       |                          | V     |          |
|-----------------|-------|--------------------------|-------|----------|
| Actual Function | Count | Expected Function        | Count | Result   |
| *none*          | 0     | *** No Call Expected *** | 0     | <b>✓</b> |

| Test Step 3.4 (Repeat Count = 1)              |             |  |
|---|-------------|--|
| Name  | Input Value |  |
| CcwEOT_HwDeg_T_f32                            | -666        |  |
| CwEOT_HwDeg_T_f32                             | 850         |  |
| EOTActuatorMng_Damping_MtrNm_M_f32            | -8.80000019 |  |
| EOTActuatorMng_SESState_Uls_M_enum            | SES_EXITING |  |
| HandWheelPos_HwDeg_T_f32                      | 1000        |  |
| MotorVel_MtrRadpS_T_f32                       | -770        |  |
| VehicleSpeed_Kph_T_f32                        | 288         |  |
| k_EOTPosDepDempFinalSlew_MtrNmpS_T_f32        | 0           |  |
| t2_EOTExPosDepDmpTblY_MtrNmpRadps_u0p16[0][0] | 0           |  |
| t2_EOTExPosDepDmpTblY_MtrNmpRadps_u0p16[0][1] | 256         |  |
| t2_EOTExPosDepDmpTblY_MtrNmpRadps_u0p16[1][0] | 154         |  |
| t2_EOTExPosDepDmpTblY_MtrNmpRadps_u0p16[1][1] | 512         |  |
| t2_EOTExPosDepDmpTblY_MtrNmpRadps_u0p16[2][0] | 94          |  |
| t2_EOTExPosDepDmpTblY_MtrNmpRadps_u0p16[2][1] | 305         |  |
| t2_EOTExPosDepDmpTblY_MtrNmpRadps_u0p16[3][0] | 160         |  |
| t2_EOTExPosDepDmpTblY_MtrNmpRadps_u0p16[3][1] | 224         |  |
| t2_EOTPosDepDmpTblX_HwDeg_u12p4[0][0]         | 320         |  |
| t2_EOTPosDepDmpTblX_HwDeg_u12p4[0][1]         | 0           |  |
| t2_EOTPosDepDmpTblX_HwDeg_u12p4[1][0]         | 560         |  |



015-06- 9, 1 : 9:50+05 0



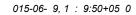
| Name  | Input Value  |                            |        |
|---|--------------|----------------------------|--------|
| t2_EOTPosDepDmpTblX_HwDeg_u12p4[1][1]       | 720          |                            |        |
| t2_EOTPosDepDmpTblX_HwDeg_u12p4[2][0]       | 1760         |                            |        |
| t2_EOTPosDepDmpTblX_HwDeg_u12p4[2][1]       | 3520         |                            |        |
| t2_EOTPosDepDmpTblX_HwDeg_u12p4[3][0]       | 5600         |                            |        |
| t2_EOTPosDepDmpTblX_HwDeg_u12p4[3][1]       | 4800         |                            |        |
| t2_EOTPosDepDmpTblY_MtrNmpRadpS_u0p16[0][0] | 0            |                            |        |
| t2_EOTPosDepDmpTblY_MtrNmpRadpS_u0p16[0][1] | 128          |                            |        |
| t2_EOTPosDepDmpTblY_MtrNmpRadpS_u0p16[1][0] | 146          |                            |        |
| t2_EOTPosDepDmpTblY_MtrNmpRadpS_u0p16[1][1] | 416          |                            |        |
| t2_EOTPosDepDmpTblY_MtrNmpRadpS_u0p16[2][0] | 305          |                            |        |
| t2_EOTPosDepDmpTblY_MtrNmpRadpS_u0p16[2][1] | 640          |                            |        |
| t2_EOTPosDepDmpTblY_MtrNmpRadpS_u0p16[3][0] | 93           |                            |        |
| t2_EOTPosDepDmpTblY_MtrNmpRadpS_u0p16[3][1] | 448          |                            |        |
| t_EOTDmpVspd_Kph_u9p7[0]                    | 0            |                            |        |
| t_EOTDmpVspd_Kph_u9p7[1]                    | 65535        |                            |        |
| t_EOTDmpVspd_Kph_u9p7[2]                    | 65535        |                            |        |
| t_EOTDmpVspd_Kph_u9p7[3]                    | 65535        |                            |        |
| Name  | Actual Value | Expected Value             | Result |
| EOTActuatorMng_Damping_MtrNm_M_f32          | -8.80000019  | -8.80000019 ± 0.0000390625 | ~      |
| SES_CalcEOTDamp()                           | -8.80000019  | -8.80000019                | ~      |

| T                               |       |                                 | V     |        |
|---------------------------------|-------|---------------------------------|-------|--------|
| Actual Function                 | Count | Expected Function               | Count | Result |
| BilinearXMYM_u16_u16XMu16YM_Cnt | 1     | BilinearXMYM_u16_u16XMu16YM_Cnt | 1     | ~      |

| Test Step 3.5 (Repeat Count = 1)              |              |                          |       |
|---|--------------|--------------------------|-------|
| Name  | Input Value  |                          |       |
| CcwEOT_HwDeg_T_f32                            | 0            |                          |       |
| CwEOT_HwDeg_T_f32                             | 800          |                          |       |
| EOTActuatorMng_Damping_MtrNm_M_f32            | 8.80000019   |                          |       |
| EOTActuatorMng_SESState_Uls_M_enum            | SES_NORMAL   |                          |       |
| HandWheelPos_HwDeg_T_f32                      | -700         |                          |       |
| MotorVel_MtrRadpS_T_f32                       | 205          |                          |       |
| VehicleSpeed_Kph_T_f32                        | 250          |                          |       |
| k_EOTPosDepDempFinalSlew_MtrNmpS_T_f32        | 1200         |                          |       |
| t2_EOTExPosDepDmpTblY_MtrNmpRadps_u0p16[0][0] | 0            |                          |       |
| t2_EOTExPosDepDmpTblY_MtrNmpRadps_u0p16[0][1] | 256          |                          |       |
| t2_EOTExPosDepDmpTblY_MtrNmpRadps_u0p16[1][0] | 154          |                          |       |
| t2_EOTExPosDepDmpTblY_MtrNmpRadps_u0p16[1][1] | 512          |                          |       |
| t2_EOTExPosDepDmpTblY_MtrNmpRadps_u0p16[2][0] | 94           |                          |       |
| t2_EOTExPosDepDmpTblY_MtrNmpRadps_u0p16[2][1] | 305          |                          |       |
| t2_EOTExPosDepDmpTblY_MtrNmpRadps_u0p16[3][0] | 160          |                          |       |
| t2_EOTExPosDepDmpTblY_MtrNmpRadps_u0p16[3][1] | 224          |                          |       |
| t2_EOTPosDepDmpTblX_HwDeg_u12p4[0][0]         | 320          |                          |       |
| t2_EOTPosDepDmpTblX_HwDeg_u12p4[0][1]         | 0            |                          |       |
| t2_EOTPosDepDmpTblX_HwDeg_u12p4[1][0]         | 560          |                          |       |
| t2_EOTPosDepDmpTblX_HwDeg_u12p4[1][1]         | 720          |                          |       |
| t2_EOTPosDepDmpTblX_HwDeg_u12p4[2][0]         | 1760         |                          |       |
| t2_EOTPosDepDmpTblX_HwDeg_u12p4[2][1]         | 3520         |                          |       |
| t2_EOTPosDepDmpTblX_HwDeg_u12p4[3][0]         | 5600         |                          |       |
| t2_EOTPosDepDmpTblX_HwDeg_u12p4[3][1]         | 4800         |                          |       |
| t2_EOTPosDepDmpTblY_MtrNmpRadpS_u0p16[0][0]   | 0            |                          |       |
| t2_EOTPosDepDmpTblY_MtrNmpRadpS_u0p16[0][1]   | 128          |                          |       |
| t2_EOTPosDepDmpTblY_MtrNmpRadpS_u0p16[1][0]   | 146          |                          |       |
| t2_EOTPosDepDmpTblY_MtrNmpRadpS_u0p16[1][1]   | 416          |                          |       |
| t2_EOTPosDepDmpTblY_MtrNmpRadpS_u0p16[2][0]   | 305          |                          |       |
| t2_EOTPosDepDmpTblY_MtrNmpRadpS_u0p16[2][1]   | 640          |                          |       |
| t2_EOTPosDepDmpTblY_MtrNmpRadpS_u0p16[3][0]   | 93           |                          |       |
| t2_EOTPosDepDmpTblY_MtrNmpRadpS_u0p16[3][1]   | 448          |                          |       |
| t_EOTDmpVspd_Kph_u9p7[0]                      | 0            |                          |       |
| t_EOTDmpVspd_Kph_u9p7[1]                      | 65535        |                          |       |
| t_EOTDmpVspd_Kph_u9p7[2]                      | 65535        |                          |       |
| t_EOTDmpVspd_Kph_u9p7[3]                      | 65535        |                          |       |
| Name  | Actual Value | Expected Value           | Resul |
| EOTActuatorMng_Damping_MtrNm_M_f32            | 6.4000001    | 6.4000001 ± 0.0000390625 |       |
| SES_CalcEOTDamp()                             | 6.400001     | 6.4000001                |       |



TEST DE





| Τ                               |       |                                 |       | V      |
|---------------------------------|-------|---------------------------------|-------|--------|
| Actual Function                 | Count | Expected Function               | Count | Result |
| BilinearXMYM_u16_u16XMu16YM_Cnt | 1     | BilinearXMYM_u16_u16XMu16YM_Cnt | 1     | ~      |

| Test Step 3.6 (Repeat Count = 1)              |              |                           | <b>✓</b> |
|---|--------------|---------------------------|----------|
| Name  | Input Value  |                           |          |
| CcwEOT_HwDeg_T_f32                            | -650.409973  |                           |          |
| CwEOT_HwDeg_T_f32                             | 850.452026   |                           |          |
| EOTActuatorMng_Damping_MtrNm_M_f32            | 3.79999995   |                           |          |
| EOTActuatorMng_SESState_Uls_M_enum            | SES_EXITING  |                           |          |
| HandWheelPos_HwDeg_T_f32                      | 1000.30103   |                           |          |
| MotorVel_MtrRadpS_T_f32                       | 770.872009   |                           |          |
| VehicleSpeed_Kph_T_f32                        | 280.157013   |                           |          |
| k_EOTPosDepDempFinalSlew_MtrNmpS_T_f32        | 1200         |                           |          |
| t2_EOTExPosDepDmpTblY_MtrNmpRadps_u0p16[0][0] | 304          |                           |          |
| t2_EOTExPosDepDmpTblY_MtrNmpRadps_u0p16[0][1] | 431          |                           |          |
| t2_EOTExPosDepDmpTblY_MtrNmpRadps_u0p16[1][0] | 380          |                           |          |
| t2_EOTExPosDepDmpTblY_MtrNmpRadps_u0p16[1][1] | 538          |                           |          |
| t2_EOTExPosDepDmpTblY_MtrNmpRadps_u0p16[2][0] | 380          |                           |          |
| t2_EOTExPosDepDmpTblY_MtrNmpRadps_u0p16[2][1] | 538          |                           |          |
| t2_EOTExPosDepDmpTblY_MtrNmpRadps_u0p16[3][0] | 334          |                           |          |
| t2_EOTExPosDepDmpTblY_MtrNmpRadps_u0p16[3][1] | 474          |                           |          |
| t2_EOTPosDepDmpTblX_HwDeg_u12p4[0][0]         | 48           |                           |          |
| t2_EOTPosDepDmpTblX_HwDeg_u12p4[0][1]         | 400          |                           |          |
| t2_EOTPosDepDmpTblX_HwDeg_u12p4[1][0]         | 560          |                           |          |
| t2_EOTPosDepDmpTblX_HwDeg_u12p4[1][1]         | 720          |                           |          |
| t2_EOTPosDepDmpTblX_HwDeg_u12p4[2][0]         | 960          |                           |          |
| t2_EOTPosDepDmpTblX_HwDeg_u12p4[2][1]         | 1344         |                           |          |
| t2_EOTPosDepDmpTblX_HwDeg_u12p4[3][0]         | 848          |                           |          |
| t2_EOTPosDepDmpTblX_HwDeg_u12p4[3][1]         | 4336         |                           |          |
| t2_EOTPosDepDmpTblY_MtrNmpRadpS_u0p16[0][0]   | 304          |                           |          |
| t2_EOTPosDepDmpTblY_MtrNmpRadpS_u0p16[0][1]   | 431          |                           |          |
| t2_EOTPosDepDmpTblY_MtrNmpRadpS_u0p16[1][0]   | 440          |                           |          |
| t2_EOTPosDepDmpTblY_MtrNmpRadpS_u0p16[1][1]   | 624          |                           |          |
| t2_EOTPosDepDmpTblY_MtrNmpRadpS_u0p16[2][0]   | 365          |                           |          |
| t2_EOTPosDepDmpTblY_MtrNmpRadpS_u0p16[2][1]   | 517          |                           |          |
| t2_EOTPosDepDmpTblY_MtrNmpRadpS_u0p16[3][0]   | 47           |                           |          |
| t2_EOTPosDepDmpTblY_MtrNmpRadpS_u0p16[3][1]   | 65           |                           |          |
| t_EOTDmpVspd_Kph_u9p7[0]                      | 0            |                           |          |
| t_EOTDmpVspd_Kph_u9p7[1]                      | 768          |                           |          |
| t_EOTDmpVspd_Kph_u9p7[2]                      | 1536         |                           |          |
| t_EOTDmpVspd_Kph_u9p7[3]                      | 3200         |                           |          |
| Name  | Actual Value | Expected Value            | Result   |
| EOTActuatorMng_Damping_MtrNm_M_f32            | 5.57545996   | 5.57545948 ± 0.0000390625 | ~        |
| SES_CalcEOTDamp()                             | 5.57545996   | 5.57545948                | •        |

| T                               |       |                                 |       | <b>✓</b> |
|---------------------------------|-------|---------------------------------|-------|----------|
| Actual Function                 | Count | Expected Function               | Count | Result   |
| BilinearXMYM_u16_u16XMu16YM_Cnt | 1     | BilinearXMYM_u16_u16XMu16YM_Cnt | 1     | ~        |

2015-06-29, 18:32:51+0530



EOTDetermination

| Project     | EOTActuatorMng   |
|-------------|------------------|
| Module      | EOTActuatorMng   |
| Test Object | EOTDetermination |

## Instrumentation: Test Object Only

| Statement (C0) Coverage  | 100 % |
|--------------------------|-------|
| <b>Decision Coverage</b> | 100 % |
| Branch (C1) Coverage     | 100 % |
| MCC Coverage             | 100 % |
| MC/DC Coverage           | 100 % |

#### **Statistics**

| Total Testcases | 3 |   |
|-----------------|---|---|
| Successful      | 3 | ~ |
| Failed          | 0 |   |
| Not Executed    | 0 |   |

## **Module Properties**

| Project Root Directory | D:\Synergy_Work_Area\CBD_EOTActuatorMng\EOTActuatorMng   |
|------------------------|--|
| Configuration File     | D:\Synergy_Work_Area\CBD_EOTActuatorMng\EOTActuatorMng\UnitTestEnv\config<br>\TMS570_GCC_UDE_CCS4_Config.xml   |
| Target Environment     | TI TMS 570 PLS UDE (Default)   |
| Kind of Test           | Unit Test  |
| Linker Options         |  |
| Source File(s)         |  |
| File                   | \$(PROJECTROOT)\NxtrLib\src\interpolation.c  |
| Compiler Options       | -D_DATA_ACCESS= -Dconst= -I\$(PROJECTROOT)\NxtrLib\include -I\$(PROJECTROOT)\\StdDef\include -I\$(PROJECTROOT)\\up\\contract \Ap_EOTActuatorMng -I\$(PROJECTROOT)\\up\\contract -I\$(Compiler Install Path)\\include |
| File                   | \$(PROJECTROOT)\src\Ap_EOTActuatorMng.c  |
| Compiler Options       | -D_DATA_ACCESS= -Dconst= -I\$(PROJECTROOT)\NxtrLib\include -I\$(PROJECTROOT)\StdDef\include -I\$(PROJECTROOT)\utp\contract \Ap EOTActuatorMng -I\$(PROJECTROOT)\utp\contract -I\$(Compiler Install Path)\include     |

| Name                    | Text                                   |
|-------------------------|--|
| Module 'EOTActuatorMng' | /************************************* |

| Attributes            |  |
|-----------------------|--|
| Name                  | Value  |
| Compiler Install Path | \$(ProgramFiles)\Texas Instruments\ccsv4\tools\compiler\tms470_4.9.5   |
| Float Precision       | 9  |
| InitObjDir            | <pre>\$(PROJECTROOT)\UnitTestEnv\static_build_files\obj</pre>          |
| InitSrcDir            | \$(PROJECTROOT)\UnitTestEnv\static_build_files\src                     |
| Linker File           | <pre>\$(PROJECTROOT)\UnitTestEnv\static_build_files\sys_link.cmd</pre> |
| Makefile Template     | \$(PROJECTROOT)\UnitTestEnv\config\Nexteer_ts_make_ude_ti_tms570.tpl   |
| Target Install Path   | \$(ProgramFiles)\pls\UDE 3.2   |
| Time Unit             | Cycles   |

2015-06-29, 18:32:51+0530





| Attributes       |  |
|------------------|--|
| Name             | Value  |
| Timer Enabled    | false  |
| Timer Prescale   | 0  |
| Timer Resolution |  |
| UDE Config File  | \$(PROJECTROOT)\UnitTestEnv\config\TMS570_UDE_12PIN_JTAG.cfg                                   |
| Workspace File   | D:\Synergy_Work_Area\CBD_EOTActuatorMng\EOTActuatorMng\UnitTestEnv\config\UDE_TMS570_DEBUG.WSP |



#### **Test Case 1: Metrics Test**

Specification Performance Metrics (With "None" Instrumentation and WithPS Environment)
CPU Cycles:

TS1.1 4 cycles TS1.2 4 cycles

Description Vector Description

TS1.1"Shortest Execution Path:

((bitwiseand(bitwiseand(CwFound\_Cnt\_T\_lgc, CcwFound\_Cnt\_T\_lgc), k\_SoftStopEOTEnable\_Cnt\_lgc)) = 1) = True" TS1.2"Longest Execution Path: ((bitwiseand(bitwiseand(CwFound\_Cnt\_T\_lgc, CcwFound\_Cnt\_T\_lgc), k\_SoftStopEOTEnable\_Cnt\_lgc)) = 1) = False"

| Test Step 1.1 (Repeat Count = 1) |              |                | ✓      |
|----------------------------------|--------------|----------------|--------|
| Name                             | Input Value  |                |        |
| CcwFound_Cnt_T_lgc               | 1            |                |        |
| CwFound_Cnt_T_lgc                | 1            |                |        |
| k_SoftStopEOTEnable_Cnt_lgc      | 1            |                |        |
| Name                             | Actual Value | Expected Value | Result |
| EOTDetermination()               | 1            | 1              | ~      |

| T .             |       |                          |       | <b>✓</b> |
|-----------------|-------|--------------------------|-------|----------|
| Actual Function | Count | Expected Function        | Count | Result   |
| *none*          | 0     | *** No Call Expected *** | 0     | ~        |

| Test Step 1.2 (Repeat Count = 1) |              |                | <b>✓</b> |
|----------------------------------|--------------|----------------|----------|
| Name                             | Input Value  |                |          |
| CcwFound_Cnt_T_lgc               | 0            |                |          |
| CwFound_Cnt_T_lgc                | 0            |                |          |
| k_SoftStopEOTEnable_Cnt_lgc      | 0            |                |          |
| Name                             | Actual Value | Expected Value | Result   |
| EOTDetermination()               | 0            | 0              | ~        |

| T               |       |                          |       | V        |
|-----------------|-------|--------------------------|-------|----------|
| Actual Function | Count | Expected Function        | Count | Result   |
| *none*          | 0     | *** No Call Expected *** | 0     | <b>✓</b> |

## Test Case 2: Boundary Test

Specification Performance Metrics (With "None" Instrumentation and WithPS Environment)
CPU Cycles:

TS2.1 4 cycles TS2.2 4 cycles TS2.3 4 cycles TS2.4 4 cycles TS2.5 4 cycles TS2.6 4 cycles TS2.7 4 cycles TS2.8 4 cycles

Description Vector Description

TS2.1CwFound\_Cnt\_T\_lgc min
TS2.2CwFound\_Cnt\_T\_lgc max
TS2.3CcwFound\_Cnt\_T\_lgc min
TS2.4CcwFound\_Cnt\_T\_lgc max
TS2.5k\_SoftStopEOTEnable\_Cnt\_lgc min/default
TS2.6k\_SoftStopEOTEnable\_Cnt\_lgc max
TS2.7All Min

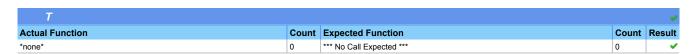
TS2.8All Max

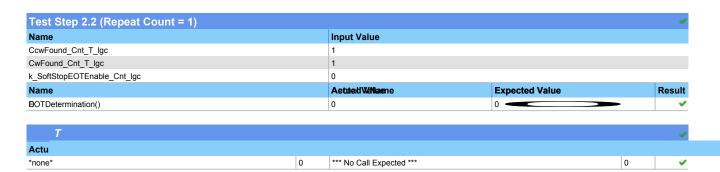
| Test Step 2.1 (Repeat Count = 1) |              |                | <b>✓</b> |
|----------------------------------|--------------|----------------|----------|
| Name                             | Input Value  |                |          |
| CcwFound_Cnt_T_lgc               | 1            |                |          |
| CwFound_Cnt_T_lgc                | 0            |                |          |
| k_SoftStopEOTEnable_Cnt_lgc      | 1            |                |          |
| Name                             | Actual Value | Expected Value | Result   |
| EOTDetermination()               | 0            | 0              | ~        |

2015-06-29, 18:32:51+0530









| Test Step 2.3 (Repeat Count = 1) |             |  |
|----------------------------------|-------------|--|
| Name                             | Input Value |  |
| CcwFound_Cnt_T_lgc               | 0           |  |
| CwFound_Cnt_T_lgc                | 0           |  |
| k SoftStopEOTEnable Cnt lgc      | 1           |  |

2015-06-29, 18:32:51+0530



EOTDetermination

| Name                        | Input Value  |                |        |
|-----------------------------|--------------|----------------|--------|
| k_SoftStopEOTEnable_Cnt_lgc | 1            |                |        |
| Name                        | Actual Value | Expected Value | Result |
| EOTDetermination()          | 0            | 0              | ~      |

| Т               |       |                          |       | <b>✓</b> |
|-----------------|-------|--------------------------|-------|----------|
| Actual Function | Count | Expected Function        | Count | Result   |
| *none*          | 0     | *** No Call Expected *** | 0     | ~        |

| Test Step 2.7 (Repeat Count = 1) |              |                | <b>✓</b> |
|----------------------------------|--------------|----------------|----------|
| Name                             | Input Value  |                |          |
| CcwFound_Cnt_T_lgc               | 0            |                |          |
| CwFound_Cnt_T_lgc                | 0            |                |          |
| k_SoftStopEOTEnable_Cnt_lgc      | 0            |                |          |
| Name                             | Actual Value | Expected Value | Result   |
| EOTDetermination()               | 0            | 0              | ~        |

| T .             |       |                          |       | <b>✓</b> |
|-----------------|-------|--------------------------|-------|----------|
| Actual Function | Count | Expected Function        | Count | Result   |
| *none*          | 0     | *** No Call Expected *** | 0     | ~        |

| Test Step 2.8 (Repeat Count = 1) |              |                | <b>✓</b> |
|----------------------------------|--------------|----------------|----------|
| Name                             | Input Value  |                |          |
| CcwFound_Cnt_T_lgc               | 1            |                |          |
| CwFound_Cnt_T_lgc                | 1            |                |          |
| k_SoftStopEOTEnable_Cnt_lgc      | 1            |                |          |
| Name                             | Actual Value | Expected Value | Result   |
| EOTDetermination()               | 1            | 1              | ~        |

| T               |       |                          |       | <b>✓</b> |
|-----------------|-------|--------------------------|-------|----------|
| Actual Function | Count | Expected Function        | Count | Result   |
| *none*          | 0     | *** No Call Expected *** | 0     | ~        |

## Test Case 3: Path Test

Performance Metrics (With "None" Instrumentation and WithPS Environment)
CPU Cycles: Specification

TS3.1 4 cycles TS3.2 4 cycles

Description Vector Description

 $TS3.1 \qquad ((bitwise and (bitwise and (CwFound\_Cnt\_T\_lgc, CcwFound\_Cnt\_T\_lgc), k\_SoftStopEOTEnable\_Cnt\_lgc)) = 1) = True \\ TS3.2 \\ ((bitwise and (bitwise and (CwFound\_Cnt\_T\_lgc, CcwFound\_Cnt\_T\_lgc), k\_SoftStopEOTEnable\_Cnt\_lgc)) = 1) = False \\ TS3.2 \\ ((bitwise and (bitwise and (CwFound\_Cnt\_T\_lgc, CcwFound\_Cnt\_T\_lgc), k\_SoftStopEOTEnable\_Cnt\_lgc)) = 1) = False \\ TS3.2 \\ ((bitwise and (bitwise and (CwFound\_Cnt\_T\_lgc, CcwFound\_Cnt\_T\_lgc), k\_SoftStopEOTEnable\_Cnt\_lgc)) = 1) = True \\ TS3.2 \\ ((bitwise and (bitwise and (CwFound\_Cnt\_T\_lgc, CcwFound\_Cnt\_T\_lgc), k\_SoftStopEOTEnable\_Cnt\_lgc)) = 1) = True \\ TS3.2 \\ ((bitwise and (bitwise and (CwFound\_Cnt\_T\_lgc, CcwFound\_Cnt\_T\_lgc), k\_SoftStopEOTEnable\_Cnt\_lgc)) = 1) = True \\ TS3.2 \\ ((bitwise and (bitwise and (CwFound\_Cnt\_T\_lgc, CcwFound\_Cnt\_T\_lgc), k\_SoftStopEOTEnable\_Cnt\_lgc)) = 1) = True \\ TS3.2 \\ ((bitwise and (bitwise a$ 

| Test Step 3.1 (Repeat Count = 1) |              |                | <b>✓</b> |
|----------------------------------|--------------|----------------|----------|
| Name                             | Input Value  |                |          |
| CcwFound_Cnt_T_lgc               | 1            |                |          |
| CwFound_Cnt_T_lgc                | 1            |                |          |
| k_SoftStopEOTEnable_Cnt_lgc      | 1            |                |          |
| Name                             | Actual Value | Expected Value | Result   |
| EOTDetermination()               | 1            | 1              | ~        |

| T               |       |                          |       | <b>✓</b> |
|-----------------|-------|--------------------------|-------|----------|
| Actual Function | Count | Expected Function        | Count | Result   |
| *none*          | 0     | *** No Call Expected *** | 0     | ~        |

| Test Step 3.2 (Repeat Count = 1) |             |
|----------------------------------|-------------|
| Name                             | Input Value |
| CcwFound_Cnt_T_lgc               | 0           |

EOTDetermination

2015-06-29, 18:32:51+0530



| Name                        | Input Value  |                |        |
|-----------------------------|--------------|----------------|--------|
| CwFound_Cnt_T_lgc           | 0            |                |        |
| k_SoftStopEOTEnable_Cnt_lgc | 0            |                |        |
| Name                        | Actual Value | Expected Value | Result |
| EOTDetermination()          | 0            | 0              | ~      |

| Т               |       |                          | <b>✓</b> |        |
|-----------------|-------|--------------------------|----------|--------|
| Actual Function | Count | Expected Function        | Count    | Result |
| *none*          | 0     | *** No Call Expected *** | 0        | ~      |

2015-06-29, 18:45:01+0530



SES\_DetLmtPos

| Project     | EOTActuatorMng |
|-------------|----------------|
| Module      | EOTActuatorMng |
| Test Object | SES_DetLmtPos  |

## Instrumentation: Test Object Only

| Statement (C0) Coverage  | 100 % |
|--------------------------|-------|
| <b>Decision Coverage</b> | 100 % |
| Branch (C1) Coverage     | 100 % |
| MCC Coverage             | 100 % |
| MC/DC Coverage           | 100 % |

#### **Statistics**

| Total Testcases | 3 |   |
|-----------------|---|---|
| Successful      | 3 | ~ |
| Failed          | 0 |   |
| Not Executed    | 0 |   |

## **Module Properties**

| Project Root Directory | D:\Synergy_Work_Area\CBD_EOTActuatorMng\EOTActuatorMng   |  |  |  |
|------------------------|--|--|--|--|
| Configuration File     | D:\Synergy_Work_Area\CBD_EOTActuatorMng\EOTActuatorMng\UnitTestEnv\config \TMS570_GCC_UDE_CCS4_Config.xml  |  |  |  |
| Target Environment     | TI TMS 570 PLS UDE (Default)   |  |  |  |
| Kind of Test           | Unit Test  |  |  |  |
| Linker Options         |  |  |  |  |
| Source File(s)         |  |  |  |  |
| File                   | \$(PROJECTROOT)\NxtrLib\src\interpolation.c  |  |  |  |
| Compiler Options       | -D_DATA_ACCESS= -Dconst= -I\$(PROJECTROOT)\NxtrLib\include -I\$(PROJECTROOT)\StdDef\include -I\$(PROJECTROOT)\utp\contract \Ap_EOTActuatorMng -I\$(PROJECTROOT)\utp\contract -I\$(Compiler Install Path)\include |  |  |  |
| File                   | \$(PROJECTROOT)\src\Ap_EOTActuatorMng.c  |  |  |  |
| Compiler Options       | -D_DATA_ACCESS= -Dconst= -l\$(PROJECTROOT)\NxtrLib\include -l\$(PROJECTROOT)\StdDef\include -l\$(PROJECTROOT)\utp\contract \Ap_EOTActuatorMng -l\$(PROJECTROOT)\utp\contract -l\$(Compiler Install Path)\include |  |  |  |

| Name                    | Text                                   |
|-------------------------|--|
| Module 'EOTActuatorMng' | /************************************* |

| Attributes            |   |
|-----------------------|---|
| Name                  | Value   |
| Compiler Install Path | <pre>\$(ProgramFiles)\Texas Instruments\ccsv4\tools\compiler\tms470_4.9.5</pre> |
| Float Precision       | 9   |
| InitObjDir            | <pre>\$(PROJECTROOT)\UnitTestEnv\static_build_files\obj</pre>                   |
| InitSrcDir            | <pre>\$(PROJECTROOT)\UnitTestEnv\static_build_files\src</pre>                   |
| Linker File           | <pre>\$(PROJECTROOT)\UnitTestEnv\static_build_files\sys_link.cmd</pre>          |
| Makefile Template     | \$(PROJECTROOT)\UnitTestEnv\config\Nexteer_ts_make_ude_ti_tms570.tpl            |
| Target Install Path   | <pre>\$(ProgramFiles)\pls\UDE 3.2</pre>   |
| Time Unit             | Cycles  |

2015-06-29, 18:45:01+0530

SES\_DetLmtPos



| Attributes       |  |  |  |  |  |
|------------------|--|--|--|--|--|
| Name             | Value  |  |  |  |  |
| Timer Enabled    | false  |  |  |  |  |
| Timer Prescale   | 0  |  |  |  |  |
| Timer Resolution |  |  |  |  |  |
| UDE Config File  | \$(PROJECTROOT)\UnitTestEnv\config\TMS570_UDE_12PIN_JTAG.cfg                                   |  |  |  |  |
| Workspace File   | D:\Synergy_Work_Area\CBD_EOTActuatorMng\EOTActuatorMng\UnitTestEnv\config\UDE_TMS570_DEBUG.WSP |  |  |  |  |

Description



#### Test Case 1: Metrics Test

Specification Performance Metrics (With "None" Instrumentation and WithPS Environment)
CPU Cycles:

TS1.1 22 cycles TS1.2 32 cycles Vector Description

TS1.1"Shortest Execution Path:
((CWEOT\_HwDeg\_T\_u12p4 < k\_MinRackTrvl\_HwDeg\_u12p4)) or (CwEOT\_HwDeg\_T\_u12p4 > k\_MaxRackTrvl\_HwDeg\_u12p4)) ==> FALSE"
TS1.2"Longest Execution Path:
((CcwEOT\_HwDeg\_T\_s11p4 < NegMaxRackTrvl\_HwDeg\_T\_s11p4)) or (CcwEOT\_HwDeg\_T\_s11p4 > NegMinRackTrvl\_HwDeg\_T\_s11p4)) ==> TRUE"

| Test Step 1.1 (Repeat Count = 1) |              |                | ~      |
|----------------------------------|--------------|----------------|--------|
| Name                             | Input Value  |                |        |
| CcwEOT_HwDeg_T_f32               | -900.200012  |                |        |
| CwEOT_HwDeg_T_f32                | 500.700012   |                |        |
| HandWheelPos_HwDeg_T_f32         | 1440.10999   |                |        |
| k_MaxRackTrvl_HwDeg_u12p4        | 14208        |                |        |
| k_MinRackTrvl_HwDeg_u12p4        | 6160         |                |        |
| Name                             | Actual Value | Expected Value | Result |
| SES_DetLmtPos()                  | 500.700012   | 500.700012     | ~      |

| Т               |       |                          |       | <b>✓</b> |
|-----------------|-------|--------------------------|-------|----------|
| Actual Function | Count | Expected Function        | Count | Result   |
| *none*          | 0     | *** No Call Expected *** | 0     | •        |

| Test Step 1.2 (Repeat Count = 1) |              |                | <b>✓</b> |
|----------------------------------|--------------|----------------|----------|
| Name                             | Input Value  |                |          |
| CcwEOT_HwDeg_T_f32               | -1440.10999  |                |          |
| CwEOT_HwDeg_T_f32                | 100.300003   |                |          |
| HandWheelPos_HwDeg_T_f32         | -1400.09998  |                |          |
| k_MaxRackTrvl_HwDeg_u12p4        | 7104         |                |          |
| k_MinRackTrvl_HwDeg_u12p4        | 14336        |                |          |
| Name                             | Actual Value | Expected Value | Result   |
| SES_DetLmtPos()                  | -896         | -896           | ~        |

| T               |       |                          |       | <b>✓</b> |
|-----------------|-------|--------------------------|-------|----------|
| Actual Function | Count | Expected Function        | Count | Result   |
| *none*          | 0     | *** No Call Expected *** | 0     | ~        |



# Test Case 2: Boundary Test Specification Performance Metrics (With "None" Instrumentation and WithPS Environment) CPU Cycles: TS2.1 27 cycles

TS2.1 27 cycles
TS2.2 33 cycles
TS2.3 33 cycles
TS2.3 33 cycles
TS2.4 33 cycles
TS2.5 37 cycles
TS2.6 32 cycles
TS2.7 33 cycles
TS2.8 22 cycles
TS2.9 27 cycles
TS2.10 30 cycles
TS2.112 22 cycles
TS2.112 27 cycles
TS2.112 7 cycles
TS2.112 7 cycles
TS2.11 27 cycles
TS2.12 7 cycles
TS2.13 30 cycles
TS2.14 27 cycles
TS2.15 21 cycles
TS2.15 21 cycles
TS2.16 27 cycles
TS2.17 32 cycles
TS2.18 32 cycles
TS2.19 32 cycles
TS2.19 32 cycles

#### **Description** Vector Description

TS2.1CwEOT1\_HwDeg\_T\_f32 min
TS2.2CwEOT1\_HwDeg\_T\_f32 max
TS2.3CwEOT1\_HwDeg\_T\_f32 zero
TS2.4CcwEOT1\_HwDeg\_T\_f32 min
TS2.5CcwEOT1\_HwDeg\_T\_f32 min
TS2.5CcwEOT1\_HwDeg\_T\_f32 min
TS2.7HandWheelPos1\_HwDeg\_T\_f32 min
TS2.8HandWheelPos1\_HwDeg\_T\_f32 min
TS2.8HandWheelPos1\_HwDeg\_T\_f32 max
TS2.9HandWheelPos1\_HwDeg\_T\_f32 zero
TS2.10HandWheelPos1\_HwDeg\_T\_f32 pos
TS2.11HandWheelPos1\_HwDeg\_T\_f32 pos
TS2.11k\_MaxRackTrvl\_HwDeg\_u12p4 min
TS2.13k\_MaxRackTrvl\_HwDeg\_u12p4 min
TS2.15k\_MinRackTrvl\_HwDeg\_u12p4 min
TS2.16k\_MinRackTrvl\_HwDeg\_u12p4 min
TS2.17k\_MinRackTrvl\_HwDeg\_u12p4 min
TS2.17k\_MinRackTrvl\_HwDeg\_u12p4 min
TS2.17k\_MinRackTrvl\_HwDeg\_u12p4 mid/default
TS2.18All min
TS2.19All max

| Test Step 2.1 (Repeat Count = 1) |              |                | <b>✓</b> |
|----------------------------------|--------------|----------------|----------|
| Name                             | Input Value  |                |          |
| CcwEOT_HwDeg_T_f32               | -1300.021    |                |          |
| CwEOT_HwDeg_T_f32                | 0            |                |          |
| HandWheelPos_HwDeg_T_f32         | 252.451004   |                |          |
| k_MaxRackTrvl_HwDeg_u12p4        | 1776         |                |          |
| k_MinRackTrvl_HwDeg_u12p4        | 5840         |                |          |
| Name                             | Actual Value | Expected Value | Result   |
| SES_DetLmtPos()                  | 365          | 365            | ~        |

| Τ               |       |                          |       |        |  |
|-----------------|-------|--------------------------|-------|--------|--|
| Actual Function | Count | Expected Function        | Count | Result |  |
| *none*          | 0     | *** No Call Expected *** | 0     | -      |  |

| Test Step 2.2 (Repeat Count = 1) |              | <b>✓</b>       |        |
|----------------------------------|--------------|----------------|--------|
| Name                             | Input Value  |                |        |
| CcwEOT_HwDeg_T_f32               | -1200.02295  |                |        |
| CwEOT_HwDeg_T_f32                | 1440.10999   |                |        |
| HandWheelPos_HwDeg_T_f32         | 250.987      |                |        |
| k_MaxRackTrvl_HwDeg_u12p4        | 3552         |                |        |
| k_MinRackTrvl_HwDeg_u12p4        | 15456        |                |        |
| Name                             | Actual Value | Expected Value | Result |
| SES_DetLmtPos()                  | 966          | 966            | ~      |

| Τ               |       |                          |       |        |
|-----------------|-------|--------------------------|-------|--------|
| Actual Function | Count | Expected Function        | Count | Result |
| *none*          | 0     | *** No Call Expected *** | 0     | ~      |

| Test Step 2.3 (Repeat Count = 1) | <b>✓</b>    |
|----------------------------------|-------------|
| Name                             | Input Value |
| CcwEOT_HwDeg_T_f32               | -1100.245   |

2015-06-29, 18:45:01+0530



SES\_DetLmtPos

| Name                      | Input Value  |                |        |
|---------------------------|--------------|----------------|--------|
| CwEOT_HwDeg_T_f32         | 1000         |                |        |
| HandWheelPos_HwDeg_T_f32  | 150.154007   |                |        |
| k_MaxRackTrvl_HwDeg_u12p4 | 5328         |                |        |
| k_MinRackTrvl_HwDeg_u12p4 | 4400         |                |        |
| Name                      | Actual Value | Expected Value | Result |
| SES_DetLmtPos()           | 275          | 275            | ~      |

| T               |       |                          |       |        |  |
|-----------------|-------|--------------------------|-------|--------|--|
| Actual Function | Count | Expected Function        | Count | Result |  |
| *none*          | 0     | *** No Call Expected *** | 0     | ~      |  |

| Test Step 2.4 (Repeat Count = 1) |              |                | <b>✓</b> |
|----------------------------------|--------------|----------------|----------|
| Name                             | Input Value  |                |          |
| CcwEOT_HwDeg_T_f32               | -1440.10999  |                |          |
| CwEOT_HwDeg_T_f32                | 100.124001   |                |          |
| HandWheelPos_HwDeg_T_f32         | -1400.62402  |                |          |
| k_MaxRackTrvl_HwDeg_u12p4        | 7104         |                |          |
| k_MinRackTrvl_HwDeg_u12p4        | 14336        |                |          |
| Name                             | Actual Value | Expected Value | Result   |
| SES_DetLmtPos()                  | -896         | -896           | ~        |

| T               |       |                          |       |        |  |
|-----------------|-------|--------------------------|-------|--------|--|
| Actual Function | Count | Expected Function        | Count | Result |  |
| *none*          | 0     | *** No Call Expected *** | 0     | ~      |  |

| Test Step 2.5 (Repeat Count = 1) |              |                |        |
|----------------------------------|--------------|----------------|--------|
| Name                             | Input Value  |                |        |
| CcwEOT_HwDeg_T_f32               | 0            |                |        |
| CwEOT_HwDeg_T_f32                | 200.524002   |                |        |
| HandWheelPos_HwDeg_T_f32         | -1300.45801  |                |        |
| k_MaxRackTrvl_HwDeg_u12p4        | 8880         |                |        |
| k_MinRackTrvl_HwDeg_u12p4        | 4416         |                |        |
| Name                             | Actual Value | Expected Value | Result |
| SES_DetLmtPos()                  | -276         | -276           | ~      |

| T               |       |                          |       |        |  |
|-----------------|-------|--------------------------|-------|--------|--|
| Actual Function | Count | Expected Function        | Count | Result |  |
| *none*          | 0     | *** No Call Expected *** | 0     | ~      |  |

| Test Step 2.6 (Repeat Count = 1) |              |                | ✓.     |
|----------------------------------|--------------|----------------|--------|
| Name                             | Input Value  |                |        |
| CcwEOT_HwDeg_T_f32               | -1000        |                |        |
| CwEOT_HwDeg_T_f32                | 300.85199    |                |        |
| HandWheelPos_HwDeg_T_f32         | -1300.14697  |                |        |
| k_MaxRackTrvl_HwDeg_u12p4        | 10656        |                |        |
| k_MinRackTrvl_HwDeg_u12p4        | 11920        |                |        |
| Name                             | Actual Value | Expected Value | Result |
| SES_DetLmtPos()                  | -745         | -745           | ~      |

| T               |       |                          |       | V      |
|-----------------|-------|--------------------------|-------|--------|
| Actual Function | Count | Expected Function        | Count | Result |
| *none*          | 0     | *** No Call Expected *** | 0     |        |

| Test Step 2.7 (Repeat Count = 1) |             |
|----------------------------------|-------------|
| Name                             | Input Value |
| CcwEOT_HwDeg_T_f32               | -800.14801  |
| CwEOT_HwDeg_T_f32                | 400.960999  |
| HandWheelPos_HwDeg_T_f32         | -1440.10999 |
| k_MaxRackTrvl_HwDeg_u12p4        | 12432       |

2015-06-29, 18:45:01+0530



SES\_DetLmtPos

| Name                      | Input Value  |                |        |
|---------------------------|--------------|----------------|--------|
| k_MinRackTrvl_HwDeg_u12p4 | 2672         |                |        |
| Name                      | Actual Value | Expected Value | Result |
| SES_DetLmtPos()           | -167         | -167           | ~      |

| Т               |       |                          |       | <b>✓</b> |
|-----------------|-------|--------------------------|-------|----------|
| Actual Function | Count | Expected Function        | Count | Result   |
| *none*          | 0     | *** No Call Expected *** | 0     | ~        |

| Test Step 2.8 (Repeat Count = 1) |              |                | <b>✓</b> |
|----------------------------------|--------------|----------------|----------|
| Name                             | Input Value  |                |          |
| CcwEOT_HwDeg_T_f32               | -900.95697   |                |          |
| CwEOT_HwDeg_T_f32                | 500.157013   |                |          |
| HandWheelPos_HwDeg_T_f32         | 1440.10999   |                |          |
| k_MaxRackTrvl_HwDeg_u12p4        | 14208        |                |          |
| k_MinRackTrvl_HwDeg_u12p4        | 6160         |                |          |
| Name                             | Actual Value | Expected Value | Result   |
| SES_DetLmtPos()                  | 500.157013   | 500.157013     | ~        |

| T               |       |                          |       | V      |
|-----------------|-------|--------------------------|-------|--------|
| Actual Function | Count | Expected Function        | Count | Result |
| *none*          | 0     | *** No Call Expected *** | 0     | ~      |

| Test Step 2.9 (Repeat Count = 1) |              | ✓              |        |
|----------------------------------|--------------|----------------|--------|
| Name                             | Input Value  |                |        |
| CcwEOT_HwDeg_T_f32               | -700.351013  |                |        |
| CwEOT_HwDeg_T_f32                | 600.750977   |                |        |
| HandWheelPos_HwDeg_T_f32         | 0            |                |        |
| k_MaxRackTrvl_HwDeg_u12p4        | 15984        |                |        |
| k_MinRackTrvl_HwDeg_u12p4        | 13680        |                |        |
| Name                             | Actual Value | Expected Value | Result |
| SES_DetLmtPos()                  | 855          | 855            | ~      |

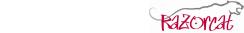
| T               |       |                          |       |        |  |
|-----------------|-------|--------------------------|-------|--------|--|
| Actual Function | Count | Expected Function        | Count | Result |  |
| *none*          | 0     | *** No Call Expected *** | 0     | ~      |  |

| Test Step 2.10 (Repeat Count = 1) |              | <b>✓</b>       |        |
|-----------------------------------|--------------|----------------|--------|
| Name                              | Input Value  |                |        |
| CcwEOT_HwDeg_T_f32                | -600.125427  |                |        |
| CwEOT_HwDeg_T_f32                 | 700.473022   |                |        |
| HandWheelPos_HwDeg_T_f32          | -500         |                |        |
| k_MaxRackTrvl_HwDeg_u12p4         | 16000        |                |        |
| k_MinRackTrvl_HwDeg_u12p4         | 6192         |                |        |
| Name                              | Actual Value | Expected Value | Result |
| SES_DetLmtPos()                   | -600.125427  | -600.125427    | ~      |

| Т               |       |                          |       | <b>✓</b> |
|-----------------|-------|--------------------------|-------|----------|
| Actual Function | Count | Expected Function        | Count | Result   |
| *none*          | 0     | *** No Call Expected *** | 0     | ~        |

| Test Step 2.11 (Repeat Count = 1) |              |                | ×      |
|-----------------------------------|--------------|----------------|--------|
| Name                              | Input Value  |                |        |
| CcwEOT_HwDeg_T_f32                | -500.653992  |                |        |
| CwEOT_HwDeg_T_f32                 | 800.950989   |                |        |
| HandWheelPos_HwDeg_T_f32          | 500          |                |        |
| k_MaxRackTrvl_HwDeg_u12p4         | 17776        |                |        |
| k_MinRackTrvl_HwDeg_u12p4         | 12064        |                |        |
| Name                              | Actual Value | Expected Value | Result |
| SES DetLmtPos()                   | 800.950989   | 800.950989     | •      |

2015-06-29, 18:45:01+0530





| Τ               |       |                          |       |      |    |
|-----------------|-------|--------------------------|-------|------|----|
| Actual Function | Count | Expected Function        | Count | Resu | lt |
| *none*          | 0     | *** No Call Expected *** | 0     |      | V  |

| Test Step 2.12 (Repeat Count = 1) |              |                | ✓      |
|-----------------------------------|--------------|----------------|--------|
| Name                              | Input Value  |                |        |
| CcwEOT_HwDeg_T_f32                | -666.85199   |                |        |
| CwEOT_HwDeg_T_f32                 | 111.752998   |                |        |
| HandWheelPos_HwDeg_T_f32          | 364.14801    |                |        |
| k_MaxRackTrvl_HwDeg_u12p4         | 0            |                |        |
| k_MinRackTrvI_HwDeg_u12p4         | 6048         |                |        |
| Name                              | Actual Value | Expected Value | Result |
| SES_DetLmtPos()                   | 378          | 378            | ~      |

| T               |       |                          |       | <b>✓</b> |
|-----------------|-------|--------------------------|-------|----------|
| Actual Function | Count | Expected Function        | Count | Result   |
| *none*          | 0     | *** No Call Expected *** | 0     | ~        |

| Test Step 2.13 (Repeat Count = 1) |              |                | <b>✓</b> |
|-----------------------------------|--------------|----------------|----------|
| Name                              | Input Value  |                |          |
| CcwEOT_HwDeg_T_f32                | -555.453003  |                |          |
| CwEOT_HwDeg_T_f32                 | 222.158997   |                |          |
| HandWheelPos_HwDeg_T_f32          | -574.950989  |                |          |
| k_MaxRackTrvl_HwDeg_u12p4         | 23040        |                |          |
| k_MinRackTrvl_HwDeg_u12p4         | 7152         |                |          |
| Name                              | Actual Value | Expected Value | Result   |
| SES_DetLmtPos()                   | -555.453003  | -555.453003    | ~        |

| T               |       |                          |       | <b>✓</b> |
|-----------------|-------|--------------------------|-------|----------|
| Actual Function | Count | Expected Function        | Count | Result   |
| *none*          | 0     | *** No Call Expected *** | 0     | ~        |

| Test Step 2.14 (Repeat Count = 1) |              |                | <b>✓</b> |
|-----------------------------------|--------------|----------------|----------|
| Name                              | Input Value  |                |          |
| CcwEOT_HwDeg_T_f32                | -444.623993  |                |          |
| CwEOT_HwDeg_T_f32                 | 333.356995   |                |          |
| HandWheelPos_HwDeg_T_f32          | 476.356995   |                |          |
| k_MaxRackTrvl_HwDeg_u12p4         | 9600         |                |          |
| k_MinRackTrvl_HwDeg_u12p4         | 10176        |                |          |
| Name                              | Actual Value | Expected Value | Result   |
| SES_DetLmtPos()                   | 636          | 636            | ~        |

| T               |       |                          |       | <b>✓</b> |
|-----------------|-------|--------------------------|-------|----------|
| Actual Function | Count | Expected Function        | Count | Result   |
| *none*          | 0     | *** No Call Expected *** | 0     | _        |

| Test Step 2.15 (Repeat Count = 1) |              |                | <b>✓</b> |
|-----------------------------------|--------------|----------------|----------|
| Name                              | Input Value  |                |          |
| CcwEOT_HwDeg_T_f32                | -333.351013  |                |          |
| CwEOT_HwDeg_T_f32                 | 444.756012   |                |          |
| HandWheelPos_HwDeg_T_f32          | 764.146973   |                |          |
| k_MaxRackTrvl_HwDeg_u12p4         | 19552        |                |          |
| k_MinRackTrvl_HwDeg_u12p4         | 0            |                |          |
| Name                              | Actual Value | Expected Value | Result   |
| SES_DetLmtPos()                   | 444.756012   | 444.756012     | ~        |

2015-06-29, 18:45:01+0530



SES\_DetLmtPos

| T               |       |                          |       |      |    |
|-----------------|-------|--------------------------|-------|------|----|
| Actual Function | Count | Expected Function        | Count | Resu | lt |
| *none*          | 0     | *** No Call Expected *** | 0     |      | V  |

| Test Step 2.16 (Repeat Count = 1) |              |                | ✓      |
|-----------------------------------|--------------|----------------|--------|
| Name                              | Input Value  |                |        |
| CcwEOT_HwDeg_T_f32                | -54.0125008  |                |        |
| CwEOT_HwDeg_T_f32                 | 34.9539986   |                |        |
| HandWheelPos_HwDeg_T_f32          | 63.3689995   |                |        |
| k_MaxRackTrvl_HwDeg_u12p4         | 256          |                |        |
| k_MinRackTrvl_HwDeg_u12p4         | 23040        |                |        |
| Name                              | Actual Value | Expected Value | Result |
| SES_DetLmtPos()                   | 1440         | 1440           | •      |

| Т               |       |                          |       |        |
|-----------------|-------|--------------------------|-------|--------|
| Actual Function | Count | Expected Function        | Count | Result |
| *none*          | 0     | *** No Call Expected *** | 0     | ~      |

| Test Step 2.17 (Repeat Count = 1) |              | ✓              |        |
|-----------------------------------|--------------|----------------|--------|
| Name                              | Input Value  |                |        |
| CcwEOT_HwDeg_T_f32                | -111.014801  |                |        |
| CwEOT_HwDeg_T_f32                 | 666.153015   |                |        |
| HandWheelPos_HwDeg_T_f32          | 176.145004   |                |        |
| k_MaxRackTrvl_HwDeg_u12p4         | 2128         |                |        |
| k_MinRackTrvl_HwDeg_u12p4         | 8800         |                |        |
| Name                              | Actual Value | Expected Value | Result |
| SES_DetLmtPos()                   | 550          | 550            | ~      |

| T               |       |                          |       | V      |
|-----------------|-------|--------------------------|-------|--------|
| Actual Function | Count | Expected Function        | Count | Result |
| *none*          | 0     | *** No Call Expected *** | 0     | ~      |

| Test Step 2.18 (Repeat Count = 1) |              |                | <b>✓</b> |
|-----------------------------------|--------------|----------------|----------|
| Name                              | Input Value  |                |          |
| CcwEOT_HwDeg_T_f32                | -1440.10999  |                |          |
| CwEOT_HwDeg_T_f32                 | 0            |                |          |
| HandWheelPos_HwDeg_T_f32          | -1440.10999  |                |          |
| k_MaxRackTrvl_HwDeg_u12p4         | 0            |                |          |
| k_MinRackTrvl_HwDeg_u12p4         | 0            |                |          |
| Name                              | Actual Value | Expected Value | Result   |
| SES_DetLmtPos()                   | 0            | 0              | ~        |

| T               |       |                          |       |        |  |  |
|-----------------|-------|--------------------------|-------|--------|--|--|
| Actual Function | Count | Expected Function        | Count | Result |  |  |
| *none*          | 0     | *** No Call Expected *** | 0     | ~      |  |  |

| Test Step 2.19 (Repeat Count = 1) |              |                |        |
|-----------------------------------|--------------|----------------|--------|
| Name                              | Input Value  |                |        |
| CcwEOT_HwDeg_T_f32                | 0            |                |        |
| CwEOT_HwDeg_T_f32                 | 1440.10999   |                |        |
| HandWheelPos_HwDeg_T_f32          | 1440.10999   |                |        |
| k_MaxRackTrvl_HwDeg_u12p4         | 23040        |                |        |
| k_MinRackTrvl_HwDeg_u12p4         | 23040        |                |        |
| Name                              | Actual Value | Expected Value | Result |
| SES_DetLmtPos()                   | 1440         | 1440           | ~      |





| T               |       |                          |       |      |          |  |
|-----------------|-------|--------------------------|-------|------|----------|--|
| Actual Function | Count | Expected Function        | Count | Resu | ılt      |  |
| *none*          | 0     | *** No Call Expected *** | 0     |      | <b>~</b> |  |

# **Test Case 3: Path Test** Performance Metrics (With "None" Instrumentation and WithPS Environment) Specification CPU Cycles: TS3.1 33 cycles TS3.2 30 cycles TS3.3 36 cycles TS3.4 27 cycles TS3.5 22 cycles TS3.6 33 cycles Description Vector Description TS3.1"(HandWheelPos1\_HwDeg\_T\_f32 < D\_ZERO\_ULS\_F32)=TRUE AND (CcwEOT\_HwDeg\_T\_s11p4 < NegMaxRackTrvl\_HwDeg\_T\_s11p4) Or (CcwEOT\_HwDeg\_T\_s11p4 > NegMinRackTrvl\_HwDeg\_T\_s11p4))=TRUE" TS3.2"(HandWheelPos1\_HwDeg\_T\_f32 < D\_ZERO\_ULS\_F32)=TRUE AND CCcwEOT\_HwDeg\_T\_s11p4 < NegMaxRackTrvl\_HwDeg\_T\_s11p4) Or (CcwEOT\_HwDeg\_T\_s11p4 > NegMinRackTrvl\_HwDeg\_T\_s11p4))=FALSE" TS3.3"(HandWheelPos1\_HwDeg\_T\_f32 < D\_ZERO\_ULS\_F32)=TRUE CCWEOT\_HwDeg\_T\_s11p4 < NegMaxRackTrvl\_HwDeg\_T\_s11p4) Or (CcwEOT\_HwDeg\_T\_s11p4 > NegMinRackTrvl\_HwDeg\_T\_s11p4))=TRUE" TS3.4"(HandWheelPos1\_HwDeg\_T\_f32 < D\_ZERO\_ULS\_F32)=FALSE AND ((CwEOT\_HwDeg\_T\_u12p4 < k\_MinRackTrvl\_HwDeg\_u12p4) Or (CwEOT\_HwDeg\_T\_u12p4 > k\_MaxRackTrvl\_HwDeg\_u12p4))=TRUE" TS3.5"(HandWheelPos1\_HwDeg\_T\_f32 < D\_ZERO\_ULS\_F32)=FALSE ((CwEOT\_HwDeg\_T\_u12p4 < k\_MinRackTrvl\_HwDeg\_u12p4) Or (CwEOT\_HwDeg\_T\_u12p4 > k\_MaxRackTrvl\_HwDeg\_u12p4))=FALSE" $TS3.6" (HandWheelPos1\_HwDeg\_T\_f32 < D\_ZERO\_ULS\_F32) = FALSE$

| Test Step 3.1 (Repeat Count = 1) |              |                |        |
|----------------------------------|--------------|----------------|--------|
| Name                             | Input Value  |                |        |
| CcwEOT_HwDeg_T_f32               | -600         |                |        |
| CwEOT_HwDeg_T_f32                | 1440.10999   |                |        |
| HandWheelPos_HwDeg_T_f32         | -250         |                |        |
| k_MaxRackTrvl_HwDeg_u12p4        | 8800         |                |        |
| k_MinRackTrvl_HwDeg_u12p4        | 8800         |                |        |
| Name                             | Actual Value | Expected Value | Result |
| SES_DetLmtPos()                  | -550         | -550           | ~      |

((CwEOT\_HwDeg\_T\_u12p4 < k\_MinRackTrvl\_HwDeg\_u12p4))=TRUE"

| T and the second se |       |                          |       |        |  |
|--|-------|--------------------------|-------|--------|--|
| Actual Function  | Count | Expected Function        | Count | Result |  |
| *none*   | 0     | *** No Call Expected *** | 0     | ~      |  |

| Test Step 3.2 (Repeat Count = 1) |              |                | <b>✓</b> |
|----------------------------------|--------------|----------------|----------|
| Name                             | Input Value  |                |          |
| CcwEOT_HwDeg_T_f32               | -550         |                |          |
| CwEOT_HwDeg_T_f32                | 1000         |                |          |
| HandWheelPos_HwDeg_T_f32         | -300         |                |          |
| k_MaxRackTrvl_HwDeg_u12p4        | 8800         |                |          |
| k_MinRackTrvl_HwDeg_u12p4        | 8800         |                |          |
| Name                             | Actual Value | Expected Value | Result   |
| SES_DetLmtPos()                  | -550         | -550           | ~        |

| Т               |       |                          |       |        |  |
|-----------------|-------|--------------------------|-------|--------|--|
| Actual Function | Count | Expected Function        | Count | Result |  |
| *none*          | 0     | *** No Call Expected *** | 0     | ~      |  |



SES\_DetLmtPos

| Test Step 3.3 (Repeat Count = 1) |              |                |        |
|----------------------------------|--------------|----------------|--------|
| Name                             | Input Value  |                |        |
| CcwEOT_HwDeg_T_f32               | -34.375      |                |        |
| CwEOT_HwDeg_T_f32                | 1000         |                |        |
| HandWheelPos_HwDeg_T_f32         | -300         |                |        |
| k_MaxRackTrvl_HwDeg_u12p4        | 8800         |                |        |
| k_MinRackTrvl_HwDeg_u12p4        | 8800         |                |        |
| Name                             | Actual Value | Expected Value | Result |
| SES_DetLmtPos()                  | -550         | -550           | ~      |

| T .             |       |                          |       |        |  |  |
|-----------------|-------|--------------------------|-------|--------|--|--|
| Actual Function | Count | Expected Function        | Count | Result |  |  |
| *none*          | 0     | *** No Call Expected *** | 0     | ~      |  |  |

| Test Step 3.4 (Repeat Count = 1) |              |                |        |
|----------------------------------|--------------|----------------|--------|
| Name                             | Input Value  |                |        |
| CcwEOT_HwDeg_T_f32               | -200         |                |        |
| CwEOT_HwDeg_T_f32                | 100          |                |        |
| HandWheelPos_HwDeg_T_f32         | 400          |                |        |
| k_MaxRackTrvl_HwDeg_u12p4        | 8800         |                |        |
| k_MinRackTrvl_HwDeg_u12p4        | 8800         |                |        |
| Name                             | Actual Value | Expected Value | Result |
| SES_DetLmtPos()                  | 550          | 550            | •      |

| Т               |       |                          |       |        |  |
|-----------------|-------|--------------------------|-------|--------|--|
| Actual Function | Count | Expected Function        | Count | Result |  |
| *none*          | 0     | *** No Call Expected *** | 0     | ~      |  |

| Test Step 3.5 (Repeat Count = 1) |              |                | <b>✓</b> |
|----------------------------------|--------------|----------------|----------|
| Name                             | Input Value  |                |          |
| CcwEOT_HwDeg_T_f32               | -300         |                |          |
| CwEOT_HwDeg_T_f32                | 550          |                |          |
| HandWheelPos_HwDeg_T_f32         | 500          |                |          |
| k_MaxRackTrvl_HwDeg_u12p4        | 8800         |                |          |
| k_MinRackTrvl_HwDeg_u12p4        | 8800         |                |          |
| Name                             | Actual Value | Expected Value | Result   |
| SES_DetLmtPos()                  | 550          | 550            | ✓        |

| Τ               |       |                          |       | ~      |
|-----------------|-------|--------------------------|-------|--------|
| Actual Function | Count | Expected Function        | Count | Result |
| *none*          | 0     | *** No Call Expected *** | 0     | ~      |

| Test Step 3.6 (Repeat Count = 1) |              |                | <b>✓</b> |
|----------------------------------|--------------|----------------|----------|
| Name                             | Input Value  |                |          |
| CcwEOT_HwDeg_T_f32               | -400         |                |          |
| CwEOT_HwDeg_T_f32                | 560          |                |          |
| HandWheelPos_HwDeg_T_f32         | 600          |                |          |
| k_MaxRackTrvl_HwDeg_u12p4        | 8800         |                |          |
| k_MinRackTrvI_HwDeg_u12p4        | 8800         |                |          |
| Name                             | Actual Value | Expected Value | Result   |
| SES_DetLmtPos()                  | 550          | 550            | ~        |

| T               |       |                          |       | V        |
|-----------------|-------|--------------------------|-------|----------|
| Actual Function | Count | Expected Function        | Count | Result   |
| *none*          | 0     | *** No Call Expected *** | 0     | <b>V</b> |

2015-06-29, 18:35:20+0530





| Project     | EOTActuatorMng |
|-------------|----------------|
| Module      | EOTActuatorMng |
| Test Object | EOTOrigImpact  |

## Instrumentation: Test Object Only

| Statement (C0) Coverage  | 100 % |
|--------------------------|-------|
| <b>Decision Coverage</b> | 100 % |
| Branch (C1) Coverage     | 100 % |
| MCC Coverage             | 100 % |
| MC/DC Coverage           | 100 % |

#### **Statistics**

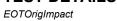
| Total Testcases | 3 |          |
|-----------------|---|----------|
| Successful      | 3 | <b>✓</b> |
| Failed          | 0 |          |
| Not Executed    | 0 |          |

## **Module Properties**

| Project Root Directory | D:\Synergy_Work_Area\CBD_EOTActuatorMng\EOTActuatorMng   |
|------------------------|--|
| Configuration File     | D:\Synergy_Work_Area\CBD_EOTActuatorMng\EOTActuatorMng\UnitTestEnv\config \TMS570_GCC_UDE_CCS4_Config.xml  |
| Target Environment     | TI TMS 570 PLS UDE (Default)   |
| Kind of Test           | Unit Test  |
| Linker Options         |  |
| Source File(s)         |  |
| File                   | \$(PROJECTROOT)\NxtrLib\src\interpolation.c  |
| Compiler Options       | -D_DATA_ACCESS= -Dconst= -I\$(PROJECTROOT)\NxtrLib\include -I\$(PROJECTROOT)\\StdDef\include -I\$(PROJECTROOT)\\utp\contract \Ap_EOTActuatorMng -I\$(PROJECTROOT)\\utp\contract -I\$(Compiler Install Path)\\include |
| File                   | \$(PROJECTROOT)\src\Ap_EOTActuatorMng.c  |
| Compiler Options       | -D_DATA_ACCESS= -Dconst= -I\$(PROJECTROOT)\NxtrLib\include -I\$(PROJECTROOT)\StdDef\include -I\$(PROJECTROOT)\utp\contract \Ap_EOTActuatorMng -I\$(PROJECTROOT)\utp\contract -I\$(Compiler Install Path)\include     |

| Name                    | Text                                   |
|-------------------------|--|
| Module 'EOTActuatorMng' | /************************************* |

| Attributes            |  |
|-----------------------|--|
| Name                  | Value  |
| Compiler Install Path | \$(ProgramFiles)\Texas Instruments\ccsv4\tools\compiler\tms470_4.9.5   |
| Float Precision       | 9  |
| InitObjDir            | \$(PROJECTROOT)\UnitTestEnv\static_build_files\obj                     |
| InitSrcDir            | \$(PROJECTROOT)\UnitTestEnv\static_build_files\src                     |
| Linker File           | <pre>\$(PROJECTROOT)\UnitTestEnv\static_build_files\sys_link.cmd</pre> |
| Makefile Template     | \$(PROJECTROOT)\UnitTestEnv\config\Nexteer_ts_make_ude_ti_tms570.tpl   |
| Target Install Path   | \$(ProgramFiles)\pls\UDE 3.2   |
| Time Unit             | Cycles   |





| <b>Attributes</b> |  |  |
|-------------------|--|--|
| Name              | Value  |  |
| Timer Enabled     | false  |  |
| Timer Prescale    | 0  |  |
| Timer Resolution  |  |  |
| UDE Config File   | \$(PROJECTROOT)\UnitTestEnv\config\TMS570_UDE_12PIN_JTAG.cfg                                   |  |
| Workspace File    | D:\Synergy_Work_Area\CBD_EOTActuatorMng\EOTActuatorMng\UnitTestEnv\config\UDE_TMS570_DEBUG.WSP |  |



#### **Test Case 1: Metrics Test**

Specification Performance Metrics (With "None" Instrumentation and WithPS Environment)
CPU Cycles:

TS1.1 136 cycles TS1.2 190 cycles

Description Vector Description

TS1.1"Shotest Execution Path:

(HandWheelAuth\_UIs\_T\_f32 < D\_HWPOSAUTHHILMT\_ULS\_F32) ==> FALSE;

(HandWheelPos\_HwDeg\_T\_f32 < D\_ZERO\_ULS\_F32) ==> FALSE;

(DeltaAstEOTLmt\_MtrRadpS\_T\_f32 < D\_ZERO\_ULS\_F32) ==> FALSE;

(VehicleSpeed3\_Kph\_T\_f32 > FPM\_FixedToFloat\_m(k\_EOTImpSpdEn\_Kph\_u9p7, u9p7\_T)) ==> FALSE"

TS1.2"Longest Execution Path:

Abs\_m(HwPosDiff\_HwDeg\_T\_f32) > FPM\_FixedToFloat\_m(k\_PosRampStep\_HwDeg\_u12p4, u12p4\_T) ==> FALSE;

(HandWheelPos\_HwDeg\_T\_f32 < D\_ZERO\_ULS\_F32) ==> TRUE;

(DeltaAstEOTLmt\_MtrRadpS\_T\_f32 < D\_ZERO\_ULS\_F32) ==> TRUE;

(VehicleSpeed3\_Kph\_T\_f32 > FPM\_FixedToFloat\_m(k\_EOTImpSpdEn\_Kph\_u9p7, u9p7\_T)) ==> TRUE"

| Test Step 1.1 (Repeat Count = 1)        |              |                    | <b>✓</b> |
|---|--------------|--------------------|----------|
| Name                                    | Input Value  |                    |          |
| CcwEOT_HwDeg_T_f32                      | -100.010002  |                    |          |
| CwEOT_HwDeg_T_f32                       | 0            |                    |          |
| EOTActuatorMng_EOTImpactPos_HwDeg_M_f32 | 350.600006   |                    |          |
| HandWheelAuth_Uls_T_f32                 | 0.10000001   |                    |          |
| HandWheelPos_HwDeg_T_f32                | 1.5          |                    |          |
| MotorVel_MtrRadpS_T_f32                 | 25.3999996   |                    |          |
| VehicleSpeed_Kph_T_f32                  | 0            |                    |          |
| k_EOTDefltPosition_HwDeg_u12p4          | 3200         |                    |          |
| k_EOTImpSpdEn_Kph_u9p7                  | 1280         |                    |          |
| k_PosRampStep_HwDeg_u12p4               | 10848        |                    |          |
| k_SpdlptScale_MtrNmpRadpS_u4p12         | 0            |                    |          |
| t_SpdlptTblXTbl_HwDeg_u12p4[0]          | 128          |                    |          |
| t_SpdlptTblXTbl_HwDeg_u12p4[1]          | 160          |                    |          |
| t_SpdlptTblYTbl_MtrRadpS_u12p4[0]       | 448          |                    |          |
| t_SpdlptTblYTbl_MtrRadpS_u12p4[1]       | 320          |                    |          |
| Name                                    | Actual Value | Expected Value     | Result   |
| EOTActuatorMng_EOTImpactPos_HwDeg_M_f32 | 200          | 200 ± 0.0000390625 | ~        |
| EOTOrigImpact()                         | 0            | 0 ± 0.0078125      | <b>✓</b> |

| T .                         |       |                             |       |        |  |
|-----------------------------|-------|-----------------------------|-------|--------|--|
| Actual Function             | Count | Expected Function           | Count | Result |  |
| IntplVarXY_u16_u16Xu16Y_Cnt | 1     | IntplVarXY_u16_u16Xu16Y_Cnt | 1     | ~      |  |

| Test Step 1.2 (Repeat Count = 1)        | Invest Value |                           |        |
|---|--------------|---------------------------|--------|
| Name                                    | Input Value  |                           |        |
| CcwEOT_HwDeg_T_f32                      | 0            |                           |        |
| CwEOT_HwDeg_T_f32                       | 1100.09998   |                           |        |
| EOTActuatorMng_EOTImpactPos_HwDeg_M_f32 | 110.199997   |                           |        |
| HandWheelAuth_Uls_T_f32                 | 1            |                           |        |
| HandWheelPos_HwDeg_T_f32                | -1.5         |                           |        |
| MotorVel_MtrRadpS_T_f32                 | 1.5          |                           |        |
| VehicleSpeed_Kph_T_f32                  | 40.2000008   |                           |        |
| k_EOTDefltPosition_HwDeg_u12p4          | 1600         |                           |        |
| k_EOTImpSpdEn_Kph_u9p7                  | 3840         |                           |        |
| k_PosRampStep_HwDeg_u12p4               | 48           |                           |        |
| k_SpdlptScale_MtrNmpRadpS_u4p12         | 80           |                           |        |
| t_SpdlptTblXTbl_HwDeg_u12p4[0]          | 1600         |                           |        |
| t_SpdlptTblXTbl_HwDeg_u12p4[1]          | 1952         |                           |        |
| t_SpdlptTblYTbl_MtrRadpS_u12p4[0]       | 480          |                           |        |
| t_SpdlptTblYTbl_MtrRadpS_u12p4[1]       | 336          |                           |        |
| Name                                    | Actual Value | Expected Value            | Result |
| EOTActuatorMng_EOTImpactPos_HwDeg_M_f32 | 107.199997   | 107.199997 ± 0.0000390625 | •      |
| EOTOrigImpact()                         | 8.80000019   | 8.80000019 ± 0.0078125    | •      |

| T                           |       |                             |       |        |  |
|-----------------------------|-------|-----------------------------|-------|--------|--|
| Actual Function             | Count | Expected Function           | Count | Result |  |
| IntplVarXY_u16_u16Xu16Y_Cnt | 1     | IntplVarXY_u16_u16Xu16Y_Cnt | 1     | ~      |  |

EOTOrigImpact





#### **Test Case 2: Boundary test**

#### Specification

```
Performance Metrics (With "None" Instrumentation and WithPS Environment)
CPU Cycles:

TS2.1 136 cycles
TS2.2 136 cycles
TS2.3 136 cycles
TS2.3 136 cycles
TS2.5 164 cycles
TS2.5 164 cycles
TS2.6 153 cycles
TS2.7 156 cycles
TS2.7 156 cycles
TS2.8 148 cycles
TS2.9 161 cycles
TS2.10 150 cycles
TS2.11 143 cycles
TS2.12 143 cycles
TS2.12 143 cycles
TS2.13 143 cycles
TS2.15 181 cycles
TS2.17 176 cycles
TS2.18 176 cycles
TS2.19 148 cycles
TS2.19 148 cycles
TS2.19 148 cycles
TS2.19 148 cycles
TS2.21 165 cycles
TS2.19 148 cycles
TS2.21 165 cycles
TS2.22 160 cycles
TS2.23 164 cycles
TS2.24 136 cycles
TS2.25 153 cycles
TS2.26 136 cycles
TS2.27 153 cycles
TS2.28 136 cycles
TS2.29 153 cycles
TS2.29 153 cycles
TS2.29 153 cycles
TS2.31 154 cycles
TS2.31 154 cycles
TS2.33 164 cycles
TS2.34 136 cycles
TS2.35 174 cycles
TS2.37 174 cycles
TS2.38 147 cycles
TS2.39 153 cycles
TS2.39 153 cycles
TS2.41 181 cycles
TS2.41 181 cycles
TS2.43 193 cycles
TS2.44 143 cycles
TS2.44 143 cycles
TS2.44 143 cycles
TS2.45 163 cycles
```

#### Description

#### Vector Description

```
TS2.1CwEOT_HwDeg_T_f32 min
  TS2.2CwEOT_HwDeg_T_f32 max
IS2.2CWEO1_HWDeg_T_f32 max
TS2.3CWEOT_HWDeg_T_f32 pos
TS2.4CcwEOT_HWDeg_T_f32 min
TS2.5CcwEOT_HWDeg_T_f32 min
TS2.5CcwEOT_HWDeg_T_f32 mid
TS2.7HandWheelAuth_Uls_T_f32 min
TS2.8HandWheelAuth_Uls_T_f32 max
TS2.9HandWheelAuth_Uls_T_f32 pos
TS2.10MotorVel_MtrRadpS_T_f32 min
TS2.11MotorVel_MtrRadpS_T_f32 max
TS2.12MotorVel_MtrRadpS_T_f32 max
 TS2.12MotorVel_MtrRadpS_T_f32 zero
TS2.13MotorVel_MtrRadpS_T_f32 neg
TS2.14MotorVel_MtrRadpS_T_f32 pos
 TS2.15HandWheelPos_HwDeg_T_f32 min
TS2.16HandWheelPos_HwDeg_T_f32 max
TS2.17HandWheelPos_HwDeg_T_f32 zero
   TS2.18HandWheelPos_HwDeg_T_f32 neg
TS2.16HandWheelPos_HwDeg_T_f32 pos
TS2.19HandWheelPos_HwDeg_T_f32 pos
TS2.20VehicleSpeed3_Kph_T_f32 min
TS2.21VehicleSpeed3_Kph_T_f32 max
TS2.22VehicleSpeed3_Kph_T_f32 pos
TS2.23EOTImpactPos_HwDeg_M_f32 min
TS2.24EOTImpactPos_HwDeg_M_f32 max
 TS2.25EOTImpactPos_HwDeg_M_f32 pos
TS2.26k_EOTDefltPosition_HwDeg_u12p4 min
TS2.27k_EOTDefltPosition_HwDeg_u12p4 max
  TS2.28k_EOTDefltPosition_HwDeg_u12p4 mid/default
TS2.26K_EOTDERITOSILION_HWDeg_u12p4 (Findred TS2.29t_SpdlptTbIXTbl_HwDeg_u12p4[2] min TS2.30t_SpdlptTbIXTbl_HwDeg_u12p4[2] mid TS2.31t_SpdlptTbIXTbl_HwDeg_u12p4[2] mid TS2.32t_SpdlptTbIYTbl_MtrRadpS_u12p4[2] mid TS2.33t_SpdlptTbIYTbl_MtrRadpS_u12p4[2] max TS2.34t_SpdlptTbIYTbl_MtrRadpS_u12p4[2] mid TS2.36t_SpdlptTbIYTbl_MtrRadpS_u12p4[2] mid TS2.36t_SpdlptTbIYTbl_MtrRadpS_u12p4[2] mid TS2.36t_SpdlptTbIYTbl_MtrRadpS_u12p4[2] mid TS2.36t_SpdlptTsqtlp.MtrRadpS_u12p4[2] mid TS2.36t_SpdlptTsqtlp.Mt
 TS2.35k_SpdlptScale_MtrNmpRadpS_u4p12 min
TS2.36k_SpdlptScale_MtrNmpRadpS_u4p12 max
TS2.37k_SpdlptScale_MtrNmpRadpS_u4p12 mid/default
  TS2.38k_EOTImpSpdEn_Kph_u9p7 min
 TS2.39k_EOTImpSpdEn_Kph_u9p7 max TS2.40k_EOTImpSpdEn_Kph_u9p7 mid/default
  TS2.41k_PosRampStep_HwDeg_u12p4 min
  TS2.42k_PosRampStep_HwDeg_u12p4 max
TS2.43k_PosRampStep_HwDeg_u12p4 mid/default
   TS2.44All min
  TS2.45All max
```

© Report created by TESSY V3.1.11, report template V2.1

5





| Test Step 2.1 (Repeat Count = 1)        |              |                | ✓      |
|---|--------------|----------------|--------|
| Name                                    | Input Value  |                |        |
| CcwEOT_HwDeg_T_f32                      | -100.568001  |                |        |
| CwEOT_HwDeg_T_f32                       | 0            |                |        |
| EOTActuatorMng_EOTImpactPos_HwDeg_M_f32 | 350.658386   |                |        |
| HandWheelAuth_Uls_T_f32                 | 0.10000001   |                |        |
| HandWheelPos_HwDeg_T_f32                | 940.020996   |                |        |
| MotorVel_MtrRadpS_T_f32                 | 0.5          |                |        |
| VehicleSpeed_Kph_T_f32                  | 10.2449999   |                |        |
| k_EOTDefltPosition_HwDeg_u12p4          | 3200         |                |        |
| k_EOTImpSpdEn_Kph_u9p7                  | 1280         |                |        |
| k_PosRampStep_HwDeg_u12p4               | 10848        |                |        |
| k_SpdlptScale_MtrNmpRadpS_u4p12         | 0            |                |        |
| t_SpdlptTblXTbl_HwDeg_u12p4[0]          | 128          |                |        |
| t_SpdlptTblXTbl_HwDeg_u12p4[1]          | 160          |                |        |
| t_SpdlptTblYTbl_MtrRadpS_u12p4[0]       | 320          |                |        |
| t_SpdlptTblYTbl_MtrRadpS_u12p4[1]       | 448          |                |        |
| Name                                    | Actual Value | Expected Value | Result |
| EOTActuatorMng_EOTImpactPos_HwDeg_M_f32 | 200          | 200            | ~      |
| EOTOrigImpact()                         | 8.80000019   | 8.80000019     | ✓      |

| T                           |       |                             |       | <b>✓</b> |
|-----------------------------|-------|-----------------------------|-------|----------|
| Actual Function             | Count | Expected Function           | Count | Result   |
| IntplVarXY_u16_u16Xu16Y_Cnt | 1     | IntplVarXY_u16_u16Xu16Y_Cnt | 1     | ~        |

| Test Step 2.2 (Repeat Count = 1)        |              |                | V        |
|---|--------------|----------------|----------|
| Name                                    | Input Value  |                |          |
| CcwEOT_HwDeg_T_f32                      | -200.574997  |                |          |
| CwEOT_HwDeg_T_f32                       | 1440.10999   |                |          |
| EOTActuatorMng_EOTImpactPos_HwDeg_M_f32 | 250.354095   |                |          |
| HandWheelAuth_Uls_T_f32                 | 0.20000003   |                |          |
| HandWheelPos_HwDeg_T_f32                | 900.02301    |                |          |
| MotorVel_MtrRadpS_T_f32                 | -0.5         |                |          |
| VehicleSpeed_Kph_T_f32                  | 0.10000001   |                |          |
| k_EOTDefltPosition_HwDeg_u12p4          | 4800         |                |          |
| k_EOTImpSpdEn_Kph_u9p7                  | 2560         |                |          |
| k_PosRampStep_HwDeg_u12p4               | 2016         |                |          |
| k_SpdlptScale_MtrNmpRadpS_u4p12         | 8            |                |          |
| t_SpdlptTblXTbl_HwDeg_u12p4[0]          | 160          |                |          |
| t_SpdlptTblXTbl_HwDeg_u12p4[1]          | 176          |                |          |
| t_SpdlptTblYTbl_MtrRadpS_u12p4[0]       | 336          |                |          |
| t_SpdlptTblYTbl_MtrRadpS_u12p4[1]       | 480          |                |          |
| Name                                    | Actual Value | Expected Value | Result   |
| EOTActuatorMng_EOTImpactPos_HwDeg_M_f32 | 300          | 300            | <b>✓</b> |
| EOTOrigImpact()                         | 0.0400390625 | 0.0400390625   | •        |

| T                           |       |                             |       |        |  |
|-----------------------------|-------|-----------------------------|-------|--------|--|
| Actual Function             | Count | Expected Function           | Count | Result |  |
| IntplVarXY_u16_u16Xu16Y_Cnt | 1     | IntplVarXY_u16_u16Xu16Y_Cnt | 1     | ~      |  |

| Test Step 2.3 (Repeat Count = 1)        |              | ✓ |
|---|--------------|---|
| Name                                    | Input Value  |   |
| CcwEOT_HwDeg_T_f32                      | -300.024994  |   |
| CwEOT_HwDeg_T_f32                       | 1000.09998   |   |
| EOTActuatorMng_EOTImpactPos_HwDeg_M_f32 | 150.783997   |   |
| HandWheelAuth_Uls_T_f32                 | 0.300000012  |   |
| HandWheelPos_HwDeg_T_f32                | 800.254028   |   |
| MotorVel_MtrRadpS_T_f32                 | 0.100000001  |   |
| VehicleSpeed_Kph_T_f32                  | 0.0500000007 |   |
| k_EOTDefltPosition_HwDeg_u12p4          | 6400         |   |
| k_EOTImpSpdEn_Kph_u9p7                  | 3840         |   |
| k_PosRampStep_HwDeg_u12p4               | 5696         |   |
| k_SpdIptScale_MtrNmpRadpS_u4p12         | 16           |   |
| t_SpdlptTblXTbl_HwDeg_u12p4[0]          | 192          |   |
| t_SpdlptTblXTbl_HwDeg_u12p4[1]          | 208          |   |
| t_SpdlptTblYTbl_MtrRadpS_u12p4[0]       | 352          |   |





| Name                                    | Input Value  |                |        |
|---|--------------|----------------|--------|
| t_SpdIptTbIYTbI_MtrRadpS_u12p4[1]       | 512          |                |        |
| Name                                    | Actual Value | Expected Value | Result |
| EOTActuatorMng_EOTImpactPos_HwDeg_M_f32 | 400          | 400            | ~      |
| EOTOrigImpact()                         | 0.0855468735 | 0.0855468735   | ✓      |

| T                           |       |                             |       |        |  |  |
|-----------------------------|-------|-----------------------------|-------|--------|--|--|
| Actual FunctioMtr□          | Count | Expected Function           | Count | Result |  |  |
| IntplVarXY_u16_u16Xu16Y_Cnt | 1     | IntplVarXY_u16_u16Xu16Y_Cnt | 1     | ~      |  |  |

| Test Step 2.4 (Repeat Count = 1)        |              | <b>✓</b> |
|---|--------------|----------|
| Name                                    | Input Value  |          |
| CcwEOT_HwDeg_T_f32                      | -1440.10999  |          |
| CwEOT_HwDeg_T_f32                       | 900.213989   |          |
| EOTActuatorMng_EOTImpactPos_HwDeg_M_f32 | 770.054016   |          |
| HandWheelAuth_Uls_T_f32                 | 1            |          |
| HandWheelPos_HwDeg_T_f32                | -650.453979  |          |
| MotorVel_MtrRadpS_T_f32                 | -0.100000001 |          |
| VehicleSpeed_Kph_T_f32                  | 20.4155998   |          |
| k_EOTDefltPosition_HwDeg_u12p4          | 8000         |          |
| k_EOTImpSpdEn_Kph_u9p7                  | 5120         |          |
| k_PosRampStep_HwDeg_u12p4               | 10816        |          |
| k_SpdlptScale_MtrNmpRadpS_u4p12         | 24           |          |
| t_SpdlptTblXTbl_HwDeg_u12p4[0]          | 208          |          |
| t_SpdlptTblXTbl_HwDeg_u12p4[1]          | 224          |          |
| t_SpdlptTblYTbl_MtrRadpS_u12p4[0]       | 368          |          |
| t_SpdlptTblYTbl_MtrRadpS_u12p4[1]       | 544          |          |

EOTOrigImpact



| Name                                    | Input Value  |                |        |
|---|--------------|----------------|--------|
| EOTActuatorMng_EOTImpactPos_HwDeg_M_f32 | 550.36499    |                |        |
| HandWheelAuth_Uls_T_f32                 | 0.89999976   |                |        |
| HandWheelPos_HwDeg_T_f32                | -780.453979  |                |        |
| MotorVel_MtrRadpS_T_f32                 | -0.200000003 |                |        |
| VehicleSpeed_Kph_T_f32                  | 0.0149999997 |                |        |
| k_EOTDefltPosition_HwDeg_u12p4          | 11200        |                |        |
| k_EOTImpSpdEn_Kph_u9p7                  | 7680         |                |        |
| k_PosRampStep_HwDeg_u12p4               | 9008         |                |        |
| k_SpdIptScale_MtrNmpRadpS_u4p12         | 39           |                |        |
| t_SpdlptTblXTbl_HwDeg_u12p4[0]          | 240          |                |        |
| t_SpdlptTblXTbl_HwDeg_u12p4[1]          | 288          |                |        |
| t_SpdlptTblYTbl_MtrRadpS_u12p4[0]       | 400          |                |        |
| t_SpdlptTblYTbl_MtrRadpS_u12p4[1]       | 608          |                |        |
| Name                                    | Actual Value | Expected Value | Result |
| EOTActuatorMng_EOTImpactPos_HwDeg_M_f32 | 700          | 700            | ~      |
| EOTOrigImpact()                         | 0.236132801  | 0.236132815    | ~      |

| T                           |       |                             |       | V      |
|-----------------------------|-------|-----------------------------|-------|--------|
| Actual Function             | Count | Expected Function           | Count | Result |
| IntplVarXY_u16_u16Xu16Y_Cnt | 1     | IntplVarXY_u16_u16Xu16Y_Cnt | 1     | ~      |

| Test Step 2.7 (Repeat Count = 1)        |              |                |          |
|---|--------------|----------------|----------|
| Name                                    | Input Value  |                |          |
| CcwEOT_HwDeg_T_f32                      | -400.054993  |                |          |
| CwEOT_HwDeg_T_f32                       | 600.125977   |                |          |
| EOTActuatorMng_EOTImpactPos_HwDeg_M_f32 | 220.645004   |                |          |
| HandWheelAuth_Uls_T_f32                 | 0            |                |          |
| HandWheelPos_HwDeg_T_f32                | -400.518005  |                |          |
| MotorVel_MtrRadpS_T_f32                 | 650          |                |          |
| VehicleSpeed_Kph_T_f32                  | 12.4636002   |                |          |
| k_EOTDefltPosition_HwDeg_u12p4          | 12800        |                |          |
| k_EOTImpSpdEn_Kph_u9p7                  | 8960         |                |          |
| k_PosRampStep_HwDeg_u12p4               | 5536         |                |          |
| k_SpdIptScale_MtrNmpRadpS_u4p12         | 47           |                |          |
| t_SpdlptTblXTbl_HwDeg_u12p4[0]          | 256          |                |          |
| t_SpdlptTblXTbl_HwDeg_u12p4[1]          | 320          |                |          |
| t_SpdlptTblYTbl_MtrRadpS_u12p4[0]       | 416          |                |          |
| t_SpdIptTbIYTbI_MtrRadpS_u12p4[1]       | 640          |                |          |
| Name                                    | Actual Value | Expected Value | Result   |
| EOTActuatorMng_EOTImpactPos_HwDeg_M_f32 | 800          | 800            | <b>✓</b> |
| EOTOrigImpact()                         | 0            | 0              | <b>✓</b> |

| T                           |       |                             |       |        |
|-----------------------------|-------|-----------------------------|-------|--------|
| Actual Function             | Count | Expected Function           | Count | Result |
| IntplVarXY_u16_u16Xu16Y_Cnt | 1     | IntplVarXY_u16_u16Xu16Y_Cnt | 1     | ~      |

| Test Step 2.8 (Repeat Count = 1)        |              |                | ✓.     |
|---|--------------|----------------|--------|
| Name                                    | Input Value  |                |        |
| CcwEOT_HwDeg_T_f32                      | -500.053986  |                |        |
| CwEOT_HwDeg_T_f32                       | 500.950989   |                |        |
| EOTActuatorMng_EOTImpactPos_HwDeg_M_f32 | 110.141998   |                |        |
| HandWheelAuth_Uls_T_f32                 | 1            |                |        |
| HandWheelPos_HwDeg_T_f32                | 400.643005   |                |        |
| MotorVel_MtrRadpS_T_f32                 | 0.30000012   |                |        |
| VehicleSpeed_Kph_T_f32                  | 11.4659996   |                |        |
| k_EOTDefltPosition_HwDeg_u12p4          | 1776         |                |        |
| k_EOTImpSpdEn_Kph_u9p7                  | 10240        |                |        |
| k_PosRampStep_HwDeg_u12p4               | 7456         |                |        |
| k_SpdlptScale_MtrNmpRadpS_u4p12         | 55           |                |        |
| t_SpdlptTblXTbl_HwDeg_u12p4[0]          | 272          |                |        |
| t_SpdlptTblXTbl_HwDeg_u12p4[1]          | 352          |                |        |
| t_SpdlptTblYTbl_MtrRadpS_u12p4[0]       | 432          |                |        |
| t_SpdlptTblYTbl_MtrRadpS_u12p4[1]       | 672          |                |        |
| Name                                    | Actual Value | Expected Value | Result |
| EOTActuatorMng_EOTImpactPos_HwDeg_M_f32 | 400.643005   | 400.643005     | ~      |
| EOTOrigImpact()                         | 0.358520508  | 0.358520508    | ~      |



| T                           |       |                             |       | V      |
|-----------------------------|-------|-----------------------------|-------|--------|
| Actual Function             | Count | Expected Function           | Count | Result |
| IntplVarXY_u16_u16Xu16Y_Cnt | 1     | IntplVarXY_u16_u16Xu16Y_Cnt | 1     | •      |

| Test Step 2.9 (Repeat Count = 1)        |              |                | <b>✓</b> |
|---|--------------|----------------|----------|
| Name                                    | Input Value  |                |          |
| CcwEOT_HwDeg_T_f32                      | -10.8540001  |                |          |
| CwEOT_HwDeg_T_f32                       | 400.356995   |                |          |
| EOTActuatorMng_EOTImpactPos_HwDeg_M_f32 | 100.153999   |                |          |
| HandWheelAuth_Uls_T_f32                 | 0.5          |                |          |
| HandWheelPos_HwDeg_T_f32                | -300.987     |                |          |
| MotorVel_MtrRadpS_T_f32                 | -0.30000012  |                |          |
| VehicleSpeed_Kph_T_f32                  | 9.46539974   |                |          |
| k_EOTDefltPosition_HwDeg_u12p4          | 3552         |                |          |
| k_EOTImpSpdEn_Kph_u9p7                  | 11520        |                |          |
| k_PosRampStep_HwDeg_u12p4               | 10976        |                |          |
| k_SpdlptScale_MtrNmpRadpS_u4p12         | 63           |                |          |
| t_SpdlptTblXTbl_HwDeg_u12p4[0]          | 288          |                |          |
| t_SpdlptTblXTbl_HwDeg_u12p4[1]          | 384          |                |          |
| t_SpdlptTblYTbl_MtrRadpS_u12p4[0]       | 448          |                |          |
| t_SpdlptTblYTbl_MtrRadpS_u12p4[1]       | 704          |                |          |
| Name                                    | Actual Value | Expected Value | Result   |
| EOTActuatorMng_EOTImpactPos_HwDeg_M_f32 | 222          | 222            | ~        |
| EOTOrigImpact()                         | 0.672143579  | 0.672143579    | <b>✓</b> |

| T                           |       |                             |       | V      |
|-----------------------------|-------|-----------------------------|-------|--------|
| Actual Function             | Count | Expected Function           | Count | Result |
| IntplVarXY_u16_u16Xu16Y_Cnt | 1     | IntplVarXY_u16_u16Xu16Y_Cnt | 1     | ~      |

| Test Step 2.10 (Repeat Count = 1)       |              |                | <b>✓</b> |
|---|--------------|----------------|----------|
| Name                                    | Input Value  |                |          |
| CcwEOT_HwDeg_T_f32                      | -700.122986  |                |          |
| CwEOT_HwDeg_T_f32                       | 300.156006   |                |          |
| EOTActuatorMng_EOTImpactPos_HwDeg_M_f32 | 200.725006   |                |          |
| HandWheelAuth_Uls_T_f32                 | 1            |                |          |
| HandWheelPos_HwDeg_T_f32                | 300.125      |                |          |
| MotorVel_MtrRadpS_T_f32                 | -1350        |                |          |
| VehicleSpeed_Kph_T_f32                  | 8.46459961   |                |          |
| k_EOTDefltPosition_HwDeg_u12p4          | 5328         |                |          |
| k_EOTImpSpdEn_Kph_u9p7                  | 13440        |                |          |
| k_PosRampStep_HwDeg_u12p4               | 2624         |                |          |
| k_SpdlptScale_MtrNmpRadpS_u4p12         | 70           |                |          |
| t_SpdIptTbIXTbI_HwDeg_u12p4[0]          | 304          |                |          |
| t_SpdIptTbIXTbI_HwDeg_u12p4[1]          | 416          |                |          |
| t_SpdlptTblYTbl_MtrRadpS_u12p4[0]       | 464          |                |          |
| t_SpdIptTbIYTbI_MtrRadpS_u12p4[1]       | 736          |                |          |
| Name                                    | Actual Value | Expected Value | Result   |
| EOTActuatorMng_EOTImpactPos_HwDeg_M_f32 | 300.125      | 300.125        | ✓        |
| EOTOrigImpact()                         | 0            | 0              | <b>✓</b> |

| T                           |       |                             |       |        |
|-----------------------------|-------|-----------------------------|-------|--------|
| Actual Function             | Count | Expected Function           | Count | Result |
| IntplVarXY_u16_u16Xu16Y_Cnt | 1     | IntplVarXY_u16_u16Xu16Y_Cnt | 1     | ~      |

| Test Step 2.11 (Repeat Count = 1)       |             | <b>✓</b> |
|---|-------------|----------|
| Name                                    | Input Value |          |
| CcwEOT_HwDeg_T_f32                      | -800.257019 |          |
| CwEOT_HwDeg_T_f32                       | 200.354004  |          |
| EOTActuatorMng_EOTImpactPos_HwDeg_M_f32 | 300.144012  |          |
| HandWheelAuth_Uls_T_f32                 | 0.419999987 |          |
| HandWheelPos_HwDeg_T_f32                | -200.546005 |          |
| MotorVel_MtrRadpS_T_f32                 | 1350        |          |
| VehicleSpeed_Kph_T_f32                  | 7.46470022  |          |

2015-06-29, 18:35:20+0530



| Name                                    | Input Value  |                |        |
|---|--------------|----------------|--------|
| k_EOTDefltPosition_HwDeg_u12p4          | 7104         |                |        |
| k_EOTImpSpdEn_Kph_u9p7                  | 19584        |                |        |
| k_PosRampStep_HwDeg_u12p4               | 12256        |                |        |
| k_SpdlptScale_MtrNmpRadpS_u4p12         | 78           |                |        |
| t_SpdlptTblXTbl_HwDeg_u12p4[0]          | 320          |                |        |
| t_SpdlptTblXTbl_HwDeg_u12p4[1]          | 448          |                |        |
| t_SpdlptTblYTbl_MtrRadpS_u12p4[0]       | 480          |                |        |
| t_SpdIptTbIYTbI_MtrRadpS_u12p4[1]       | 768          |                |        |
| Name                                    | Actual Value | Expected Value | Result |
| EOTActuatorMng_EOTImpactPos_HwDeg_M_f32 | 444          | 444            | ✓      |
| EOTOrigImpact()                         | 0            | 0              | ✓      |

| T                           |       |                             |      |        |    |
|-----------------------------|-------|-----------------------------|------|--------|----|
| Actual Function             | Count | Expected Function           | Coun | t Resu | lt |
| IntplVarXY_u16_u16Xu16Y_Cnt | 1     | IntplVarXY_u16_u16Xu16Y_Cnt | 1    |        |    |

| Name                                    | Input Value |  |
|---|-------------|--|
|   |             |  |
| CcwEOT_HwDeg_T_f32                      | -10.1540003 |  |
| CwEOT_HwDeg_T_f32                       | 400.984985  |  |
| EOTActuatorMng_EOTImpactPos_HwDeg_M_f32 | 100.853996  |  |
| HandWheelAuth_Uls_T_f32                 | 0.5         |  |
| HandWheelPos_HwDeg_T_f32                | -300.563995 |  |
| MotorVel_MtrRadpS_T_f32                 | 0           |  |
| VehicleSpeed_Kph_T_f32                  | 9.85400009  |  |
| k_EOTDefltPosition_HwDeg_u12p4          | 3552        |  |
| k_EOTImpSpdEn_Kph_u9p7                  | 11520       |  |
| k_PosRampStep_HwDeg_u12p4               | 10976       |  |
| k_SpdIptScale_MtrNmpRadpS_u4p12         | 86          |  |
| t_SpdlptTblXTbl_HwDeg_u12p4[0]          | 336         |  |
| t_SpdlptTblXTbl_HwDeg_u12p4[1]          | 480         |  |
| t_SpdlptTblYTbl_MtrRadpS_u12p4[0]       | 496         |  |
| t_SpdlptTblYTbl_MtrRadpS_u12p4[1]       | 800         |  |

EOTOrigImpact



2015-06-29, 18:35:20+0530



| Name                                    | Input Value  |                |          |  |
|---|--------------|----------------|----------|--|
| t_SpdlptTblXTbl_HwDeg_u12p4[1]          | 608          | 608            |          |  |
| t_SpdlptTblYTbl_MtrRadpS_u12p4[0]       | 560          | 560            |          |  |
| t_SpdlptTblYTbl_MtrRadpS_u12p4[1]       | 928          | 928            |          |  |
| Name                                    | Actual Value | Expected Value | Result   |  |
| EOTActuatorMng_EOTImpactPos_HwDeg_M_f32 | 1000.15802   | 1000.15802     | <b>✓</b> |  |
| EOTOrigImpact()                         | 1.64531243   | 1.64531255     | <b>✓</b> |  |

| T                           |       |                             |       | <b>✓</b> |
|-----------------------------|-------|-----------------------------|-------|----------|
| Actual Function             | Count | Expected Function           | Count | Result   |
| IntplVarXY u16 u16Xu16Y Cnt | 1     | IntplVarXY u16 u16Xu16Y Cnt | 1     |          |

| Test Step 2.17 (Repeat Count = 1)       |              |                | <b>✓</b> |
|---|--------------|----------------|----------|
| Name                                    | Input Value  |                |          |
| CcwEOT_HwDeg_T_f32                      | -150.751999  |                |          |
| CwEOT_HwDeg_T_f32                       | 450.356995   |                |          |
| EOTActuatorMng_EOTImpactPos_HwDeg_M_f32 | 900.354004   |                |          |
| HandWheelAuth_Uls_T_f32                 | 1            |                |          |
| HandWheelPos_HwDeg_T_f32                | 0            |                |          |
| MotorVel_MtrRadpS_T_f32                 | 0.600000024  |                |          |
| VehicleSpeed_Kph_T_f32                  | 1.03540003   |                |          |
| k_EOTDefltPosition_HwDeg_u12p4          | 1968         |                |          |
| k_EOTImpSpdEn_Kph_u9p7                  | 21376        |                |          |
| k_PosRampStep_HwDeg_u12p4               | 5856         |                |          |
| k_SpdlptScale_MtrNmpRadpS_u4p12         | 125          |                |          |
| t_SpdlptTblXTbl_HwDeg_u12p4[0]          | 416          |                |          |
| t_SpdlptTblXTbl_HwDeg_u12p4[1]          | 640          |                |          |
| t_SpdIptTbIYTbI_MtrRadpS_u12p4[0]       | 576          |                |          |
| t_SpdlptTblYTbl_MtrRadpS_u12p4[1]       | 960          |                |          |
| Name                                    | Actual Value | Expected Value | Result   |
| EOTActuatorMng_EOTImpactPos_HwDeg_M_f32 | 534.354004   | 534.354004     | ~        |
| EOTOrigImpact()                         | 1.81274414   | 1.81274414     | <b>✓</b> |

| Т                           |       |                             |       | <b>✓</b> |
|-----------------------------|-------|-----------------------------|-------|----------|
| Actual Function             | Count | Expected Function           | Count | Result   |
| IntplVarXY_u16_u16Xu16Y_Cnt | 1     | IntplVarXY_u16_u16Xu16Y_Cnt | 1     | ~        |

| Test Step 2.18 (Repeat Count = 1)       |              |                | ·      |
|---|--------------|----------------|--------|
| Name                                    | Input Value  |                |        |
| CcwEOT_HwDeg_T_f32                      | -250.964996  |                |        |
| CwEOT_HwDeg_T_f32                       | 550.656982   |                |        |
| EOTActuatorMng_EOTImpactPos_HwDeg_M_f32 | 1000.65002   |                |        |
| HandWheelAuth_Uls_T_f32                 | 1            |                |        |
| HandWheelPos_HwDeg_T_f32                | -400.100006  |                |        |
| MotorVel_MtrRadpS_T_f32                 | -0.600000024 |                |        |
| VehicleSpeed_Kph_T_f32                  | 16.0365009   |                |        |
| k_EOTDefltPosition_HwDeg_u12p4          | 3744         |                |        |
| k_EOTImpSpdEn_Kph_u9p7                  | 23680        |                |        |
| k_PosRampStep_HwDeg_u12p4               | 10464        |                |        |
| k_SpdlptScale_MtrNmpRadpS_u4p12         | 133          |                |        |
| t_SpdlptTblXTbl_HwDeg_u12p4[0]          | 432          |                |        |
| t_SpdlptTblXTbl_HwDeg_u12p4[1]          | 672          |                |        |
| t_SpdlptTblYTbl_MtrRadpS_u12p4[0]       | 592          |                |        |
| t_SpdIptTbIYTbI_MtrRadpS_u12p4[1]       | 992          |                |        |
| Name                                    | Actual Value | Expected Value | Result |
| EOTActuatorMng_EOTImpactPos_HwDeg_M_f32 | 400.100006   | 400.100006     | •      |
| EOTOrigImpact()                         | 1.99370122   | 1.99370122     | •      |

| T T                         |       |                             |       |        |
|-----------------------------|-------|-----------------------------|-------|--------|
| Actual Function             | Count | Expected Function           | Count | Result |
| IntplVarXY_u16_u16Xu16Y_Cnt | 1     | IntplVarXY_u16_u16Xu16Y_Cnt | 1     | ~      |





| Test Step 2.19 (Repeat Count = 1)       |              |                | <b>✓</b> |
|---|--------------|----------------|----------|
| Name                                    | Input Value  |                |          |
| CcwEOT_HwDeg_T_f32                      | -350.424988  |                |          |
| CwEOT_HwDeg_T_f32                       | 650.750977   |                |          |
| EOTActuatorMng_EOTImpactPos_HwDeg_M_f32 | 1100.47998   |                |          |
| HandWheelAuth_Uls_T_f32                 | 1            |                |          |
| HandWheelPos_HwDeg_T_f32                | 400.100006   |                |          |
| MotorVel_MtrRadpS_T_f32                 | 0.69999988   |                |          |
| VehicleSpeed_Kph_T_f32                  | 17.9869995   |                |          |
| k_EOTDefltPosition_HwDeg_u12p4          | 5520         |                |          |
| k_EOTImpSpdEn_Kph_u9p7                  | 20864        |                |          |
| k_PosRampStep_HwDeg_u12p4               | 3424         |                |          |
| k_SpdlptScale_MtrNmpRadpS_u4p12         | 140          |                |          |
| t_SpdlptTblXTbl_HwDeg_u12p4[0]          | 448          |                |          |
| t_SpdlptTblXTbl_HwDeg_u12p4[1]          | 704          |                |          |
| t_SpdlptTblYTbl_MtrRadpS_u12p4[0]       | 608          |                |          |
| t_SpdlptTblYTbl_MtrRadpS_u12p4[1]       | 1024         |                |          |
| Name                                    | Actual Value | Expected Value | Result   |
| EOTActuatorMng_EOTImpactPos_HwDeg_M_f32 | 886.47998    | 886.47998      | ~        |
| EOTOrigImpact()                         | 2.16357422   | 2.16357422     | <b>✓</b> |

| Τ                           |       |                             |       | <b>✓</b> |
|-----------------------------|-------|-----------------------------|-------|----------|
| Actual Function             | Count | Expected Function           | Count | Result   |
| IntplVarXY_u16_u16Xu16Y_Cnt | 1     | IntplVarXY_u16_u16Xu16Y_Cnt | 1     | ~        |

| Test Step 2.20 (Repeat Count = 1)       |              |                | ✓        |
|---|--------------|----------------|----------|
| Name                                    | Input Value  |                |          |
| CcwEOT_HwDeg_T_f32                      | -450.984009  |                |          |
| CwEOT_HwDeg_T_f32                       | 750.754028   |                |          |
| EOTActuatorMng_EOTImpactPos_HwDeg_M_f32 | 1200.97998   |                |          |
| HandWheelAuth_Uls_T_f32                 | 1            |                |          |
| HandWheelPos_HwDeg_T_f32                | 1000.25702   |                |          |
| MotorVel_MtrRadpS_T_f32                 | -0.69999988  |                |          |
| VehicleSpeed_Kph_T_f32                  | 0            |                |          |
| k_EOTDefltPosition_HwDeg_u12p4          | 7296         |                |          |
| k_EOTImpSpdEn_Kph_u9p7                  | 20992        |                |          |
| k_PosRampStep_HwDeg_u12p4               | 6912         |                |          |
| k_SpdIptScale_MtrNmpRadpS_u4p12         | 148          |                |          |
| t_SpdIptTbIXTbI_HwDeg_u12p4[0]          | 464          |                |          |
| t_SpdlptTblXTbl_HwDeg_u12p4[1]          | 736          |                |          |
| t_SpdIptTbIYTbI_MtrRadpS_u12p4[0]       | 624          |                |          |
| t_SpdIptTbIYTbI_MtrRadpS_u12p4[1]       | 1056         |                |          |
| Name                                    | Actual Value | Expected Value | Result   |
| EOTActuatorMng_EOTImpactPos_HwDeg_M_f32 | 1000.25702   | 1000.25702     | ~        |
| EOTOrigImpact()                         | 2.35947275   | 2.35947275     | <b>✓</b> |

| T T |                             |       |                             |       | ~      | P |
|-----|-----------------------------|-------|-----------------------------|-------|--------|---|
|     | Actual Function             | Count | Expected Function           | Count | Result | t |
|     | IntplVarXY_u16_u16Xu16Y_Cnt | 1     | IntplVarXY_u16_u16Xu16Y_Cnt | 1     | •      | ŗ |

| Test Step 2.21 (Repeat Count = 1)       |             | <b>~</b> |
|---|-------------|----------|
| Name                                    | Input Value |          |
| CcwEOT_HwDeg_T_f32                      | -550.354004 |          |
| CwEOT_HwDeg_T_f32                       | 850.952026  |          |
| EOTActuatorMng_EOTImpactPos_HwDeg_M_f32 | 1300.04004  |          |
| HandWheelAuth_Uls_T_f32                 | 0.449999988 |          |
| HandWheelPos_HwDeg_T_f32                | -1000.15399 |          |
| MotorVel_MtrRadpS_T_f32                 | 0.800000012 |          |
| VehicleSpeed_Kph_T_f32                  | 511.992188  |          |
| k_EOTDefltPosition_HwDeg_u12p4          | 9072        |          |
| k_EOTImpSpdEn_Kph_u9p7                  | 256         |          |
| k_PosRampStep_HwDeg_u12p4               | 10464       |          |
| k_SpdlptScale_MtrNmpRadpS_u4p12         | 156         |          |
| t_SpdIptTbIXTbI_HwDeg_u12p4[0]          | 480         |          |
| t_SpdIptTbIXTbI_HwDeg_u12p4[1]          | 768         |          |
| t_SpdIptTbIYTbI_MtrRadpS_u12p4[0]       | 640         |          |

2015-06-29, 18:35:20+0530



| Name                                    | Input Value  |                |        |
|---|--------------|----------------|--------|
| t_SpdIptTblYTbl_MtrRadpS_u12p4[1]       | 1088         |                |        |
| Name                                    | Actual Value | Expected Value | Result |
| EOTActuatorMng_EOTImpactPos_HwDeg_M_f32 | 567          | 567            | ~      |
| EOTOrigImpact()                         | 8.80000019   | 8.80000019     | ✓      |

| Т                           |       |                             |       | V      |
|-----------------------------|-------|-----------------------------|-------|--------|
| Actual Function             | Count | Expected Function           | Count | Result |
| IntplVarXY_u16_u16Xu16Y_Cnt | 1     | IntplVarXY_u16_u16Xu16Y_Cnt | 1     | ~      |

| Test Step 2.22 (Repeat Count = 1)       |              |                | ✓      |
|---|--------------|----------------|--------|
| Name                                    | Input Value  |                |        |
| CcwEOT_HwDeg_T_f32                      | -650.713989  |                |        |
| CwEOT_HwDeg_T_f32                       | 950.356995   |                |        |
| EOTActuatorMng_EOTImpactPos_HwDeg_M_f32 | 1400.02002   |                |        |
| HandWheelAuth_Uls_T_f32                 | 1            |                |        |
| HandWheelPos_HwDeg_T_f32                | 1100.44104   |                |        |
| MotorVel_MtrRadpS_T_f32                 | -0.800000012 |                |        |
| VehicleSpeed_Kph_T_f32                  | 11.1000004   |                |        |
| k_EOTDefltPosition_HwDeg_u12p4          | 10848        |                |        |
| k_EOTImpSpdEn_Kph_u9p7                  | 640          |                |        |
| k_PosRampStep_HwDeg_u12p4               | 10848        |                |        |
| k_SpdlptScale_MtrNmpRadpS_u4p12         | 164          |                |        |
| t_SpdlptTblXTbl_HwDeg_u12p4[0]          | 496          |                |        |
| t_SpdlptTblXTbl_HwDeg_u12p4[1]          | 800          |                |        |
| t_SpdIptTbIYTbI_MtrRadpS_u12p4[0]       | 656          |                |        |
| t_SpdlptTblYTbl_MtrRadpS_u12p4[1]       | 1120         |                |        |
| Name                                    | Actual Value | Expected Value | Result |
| EOTActuatorMng_EOTImpactPos_HwDeg_M_f32 | 1100.44104   | 1100.44104     | ~      |
| EOTOrigImpact()                         | 8.80000019   | 8.80000019     | ~      |

| T                           |       |                             |       | V      |
|-----------------------------|-------|-----------------------------|-------|--------|
| Actual Function             | Count | Expected Function           | Count | Result |
| IntplVarXY_u16_u16Xu16Y_Cnt | 1     | IntplVarXY_u16_u16Xu16Y_Cnt | 1     | ~      |

| Name                                    | Input Value                             |                |          |
|---|---|----------------|----------|
| CcwEOT_HwDeg_T_f32                      | -750.257996                             |                |          |
| CwEOT_HwDeg_T_f32                       | 1050.84998                              |                |          |
| EOTActuatorMng_EOTImpactPos_HwDeg_M_f32 | 0                                       |                |          |
|   | 0.600000024                             |                |          |
| HandWheelAuth_Uls_T_f32                 | *************************************** |                |          |
| HandWheelPos_HwDeg_T_f32                | -1100.24097                             |                |          |
| MotorVel_MtrRadpS_T_f32                 | 0.0010000005                            |                |          |
| VehicleSpeed_Kph_T_f32                  | 18.3540001                              |                |          |
| k_EOTDefltPosition_HwDeg_u12p4          | 12624                                   |                |          |
| k_EOTImpSpdEn_Kph_u9p7                  | 6016                                    |                |          |
| k_PosRampStep_HwDeg_u12p4               | 9072                                    |                |          |
| k_SpdlptScale_MtrNmpRadpS_u4p12         | 172                                     |                |          |
| t_SpdlptTblXTbl_HwDeg_u12p4[0]          | 512                                     |                |          |
| t_SpdlptTblXTbl_HwDeg_u12p4[1]          | 832                                     |                |          |
| t_SpdIptTbIYTbI_MtrRadpS_u12p4[0]       | 672                                     |                |          |
| t_SpdlptTblYTbl_MtrRadpS_u12p4[1]       | 1152                                    |                |          |
| Name                                    | Actual Value                            | Expected Value | Result   |
| EOTActuatorMng_EOTImpactPos_HwDeg_M_f32 | 789                                     | 789            | <b>→</b> |
| EOTOrigImpact()                         | 3.02339554                              | 3.02339554     | •        |

| T                           |       |                             |       | <b>✓</b> |
|-----------------------------|-------|-----------------------------|-------|----------|
| Actual Function             | Count | Expected Function           | Count | Result   |
| IntolVarXY u16 u16Xu16Y Cnt | 1     | IntplVarXY u16 u16Xu16Y Cnt | 1     |          |

| Test Step 2.24 (Repeat Count = 1) | <b>✓</b>    |
|-----------------------------------|-------------|
| Name                              | Input Value |
| CcwEOT_HwDeg_T_f32                | -850.025024 |
| CwEOT_HwDeg_T_f32                 | 1100.97998  |

EOTOrigImpact

EOTOrigImpact()

2015-06-29, 18:35:20+0530



| Name                                    | Input Value    |                |        |
|---|----------------|----------------|--------|
| EOTActuatorMng_EOTImpactPos_HwDeg_M_f32 | 1440.10999     |                |        |
| HandWheelAuth_Uls_T_f32                 | 0.5            |                |        |
| HandWheelPos_HwDeg_T_f32                | 1200.12097     |                |        |
| MotorVel_MtrRadpS_T_f32                 | -0.00200000009 |                |        |
| VehicleSpeed_Kph_T_f32                  | 19.8509998     |                |        |
| k_EOTDefltPosition_HwDeg_u12p4          | 12624          |                |        |
| k_EOTImpSpdEn_Kph_u9p7                  | 9472           |                |        |
| k_PosRampStep_HwDeg_u12p4               | 7296           |                |        |
| k_SpdlptScale_MtrNmpRadpS_u4p12         | 179            |                |        |
| t_SpdlptTblXTbl_HwDeg_u12p4[0]          | 528            |                |        |
| t_SpdlptTblXTbl_HwDeg_u12p4[1]          | 864            |                |        |
| t_SpdlptTblYTbl_MtrRadpS_u12p4[0]       | 688            |                |        |
| t_SpdlptTblYTbl_MtrRadpS_u12p4[1]       | 1184           |                |        |
| Name                                    | Actual Value   | Expected Value | Result |
| EOTActuatorMng EOTImpactPos HwDeg M f32 | 789            | 789            | -      |

| T                           |       |                             |       | V      |
|-----------------------------|-------|-----------------------------|-------|--------|
| Actual Function             | Count | Expected Function           | Count | Result |
| IntplVarXY_u16_u16Xu16Y_Cnt | 1     | IntplVarXY_u16_u16Xu16Y_Cnt | 1     | ~      |

1.87906301

1.87906301

| Test Step 2.25 (Repeat Count = 1)       |              |                |          |
|---|--------------|----------------|----------|
| Name                                    | Input Value  |                |          |
| CcwEOT_HwDeg_T_f32                      | -950.010986  |                |          |
| CwEOT_HwDeg_T_f32                       | 1200.44995   |                |          |
| EOTActuatorMng_EOTImpactPos_HwDeg_M_f32 | 600.099976   |                |          |
| HandWheelAuth_Uls_T_f32                 | 0.20000003   |                |          |
| HandWheelPos_HwDeg_T_f32                | -1200.54504  |                |          |
| MotorVel_MtrRadpS_T_f32                 | 0.0030000003 |                |          |
| VehicleSpeed_Kph_T_f32                  | 22.3649998   |                |          |
| k_EOTDefltPosition_HwDeg_u12p4          | 2480         |                |          |
| k_EOTImpSpdEn_Kph_u9p7                  | 6144         |                |          |
| k_PosRampStep_HwDeg_u12p4               | 5520         |                |          |
| k_SpdIptScale_MtrNmpRadpS_u4p12         | 187          |                |          |
| t_SpdlptTblXTbl_HwDeg_u12p4[0]          | 544          |                |          |
| t_SpdlptTblXTbl_HwDeg_u12p4[1]          | 896          |                |          |
| t_SpdlptTblYTbl_MtrRadpS_u12p4[0]       | 704          |                |          |
| t_SpdlptTblYTbl_MtrRadpS_u12p4[1]       | 1216         |                |          |
| Name                                    | Actual Value | Expected Value | Result   |
| EOTActuatorMng_EOTImpactPos_HwDeg_M_f32 | 155          | 155            | <b>✓</b> |
| EOTOrigImpact()                         | 2.00865221   | 2.00865221     | <b>✓</b> |

| T                           |       |                             |       |        |
|-----------------------------|-------|-----------------------------|-------|--------|
| Actual Function             | Count | Expected Function           | Count | Result |
| IntplVarXY_u16_u16Xu16Y_Cnt | 1     | IntplVarXY_u16_u16Xu16Y_Cnt | 1     | ~      |

| Test Step 2.26 (Repeat Count = 1)       |              |                | <b>✓</b> |
|---|--------------|----------------|----------|
| Name                                    | Input Value  |                |          |
| CcwEOT_HwDeg_T_f32                      | -142.110992  |                |          |
| CwEOT_HwDeg_T_f32                       | 111.851997   |                |          |
| EOTActuatorMng_EOTImpactPos_HwDeg_M_f32 | 111.220001   |                |          |
| HandWheelAuth_Uls_T_f32                 | 0.360000014  |                |          |
| HandWheelPos_HwDeg_T_f32                | 111.357002   |                |          |
| MotorVel_MtrRadpS_T_f32                 | 0.5          |                |          |
| VehicleSpeed_Kph_T_f32                  | 20.0440006   |                |          |
| k_EOTDefltPosition_HwDeg_u12p4          | 0            |                |          |
| k_EOTImpSpdEn_Kph_u9p7                  | 6272         |                |          |
| k_PosRampStep_HwDeg_u12p4               | 3744         |                |          |
| k_SpdlptScale_MtrNmpRadpS_u4p12         | 195          |                |          |
| t_SpdlptTblXTbl_HwDeg_u12p4[0]          | 560          |                |          |
| t_SpdlptTblXTbl_HwDeg_u12p4[1]          | 928          |                |          |
| t_SpdlptTblYTbl_MtrRadpS_u12p4[0]       | 720          |                |          |
| t_SpdlptTblYTbl_MtrRadpS_u12p4[1]       | 1248         |                |          |
| Name                                    | Actual Value | Expected Value | Result   |
| EOTActuatorMng_EOTImpactPos_HwDeg_M_f32 | 0            | 0              | ~        |
| EOTOrigImpact()                         | 2.11853027   | 2.11853027     | <b>✓</b> |





| Τ                           |       |                             |       | <b>✓</b> |
|-----------------------------|-------|-----------------------------|-------|----------|
| Actual Function             | Count | Expected Function           | Count | Result   |
| IntplVarXY_u16_u16Xu16Y_Cnt | 1     | IntplVarXY_u16_u16Xu16Y_Cnt | 1     | ~        |

| Test Step 2.27 (Repeat Count = 1)       |              |                | <b>✓</b> |
|---|--------------|----------------|----------|
| Name                                    | Input Value  |                |          |
| CcwEOT_HwDeg_T_f32                      | -1222.23999  |                |          |
| CwEOT_HwDeg_T_f32                       | 222.453995   |                |          |
| EOTActuatorMng_EOTImpactPos_HwDeg_M_f32 | 222.660004   |                |          |
| HandWheelAuth_Uls_T_f32                 | 0.44999988   |                |          |
| HandWheelPos_HwDeg_T_f32                | -112.153999  |                |          |
| MotorVel_MtrRadpS_T_f32                 | -0.5         |                |          |
| VehicleSpeed_Kph_T_f32                  | 15.2580004   |                |          |
| k_EOTDefltPosition_HwDeg_u12p4          | 13104        |                |          |
| k_EOTImpSpdEn_Kph_u9p7                  | 9600         |                |          |
| k_PosRampStep_HwDeg_u12p4               | 5136         |                |          |
| k_SpdlptScale_MtrNmpRadpS_u4p12         | 203          |                |          |
| t_SpdlptTblXTbl_HwDeg_u12p4[0]          | 576          |                |          |
| t_SpdlptTblXTbl_HwDeg_u12p4[1]          | 960          |                |          |
| t_SpdlptTblYTbl_MtrRadpS_u12p4[0]       | 736          |                |          |
| t_SpdlptTblYTbl_MtrRadpS_u12p4[1]       | 1280         |                |          |
| Name                                    | Actual Value | Expected Value | Result   |
| EOTActuatorMng_EOTImpactPos_HwDeg_M_f32 | 819          | 819            | ~        |
| EOTOrigImpact()                         | 2.25500488   | 2.25500488     | <b>~</b> |

| T                           |       |                             |       | V      |
|-----------------------------|-------|-----------------------------|-------|--------|
| Actual Function             | Count | Expected Function           | Count | Result |
| IntplVarXY_u16_u16Xu16Y_Cnt | 1     | IntplVarXY_u16_u16Xu16Y_Cnt | 1     | ~      |

| Test Step 2.28 (Repeat Count = 1)       | Innut Value  |                |        |
|---|--------------|----------------|--------|
| Name                                    | Input Value  |                |        |
| CcwEOT_HwDeg_T_f32                      | -1111.32996  |                |        |
| CwEOT_HwDeg_T_f32                       | 333.355988   |                |        |
| EOTActuatorMng_EOTImpactPos_HwDeg_M_f32 | 333.450012   |                |        |
| HandWheelAuth_Uls_T_f32                 | 0.649999976  |                |        |
| HandWheelPos_HwDeg_T_f32                | 222.783997   |                |        |
| MotorVel_MtrRadpS_T_f32                 | 0.100000001  |                |        |
| VehicleSpeed_Kph_T_f32                  | 0.0149999997 |                |        |
| k_EOTDefltPosition_HwDeg_u12p4          | 1600         |                |        |
| k_EOTImpSpdEn_Kph_u9p7                  | 4864         |                |        |
| k_PosRampStep_HwDeg_u12p4               | 1968         |                |        |
| k_SpdlptScale_MtrNmpRadpS_u4p12         | 211          |                |        |
| t_SpdlptTblXTbl_HwDeg_u12p4[0]          | 592          |                |        |
| t_SpdlptTblXTbl_HwDeg_u12p4[1]          | 992          |                |        |
| t_SpdlptTblYTbl_MtrRadpS_u12p4[0]       | 752          |                |        |
| t_SpdlptTblYTbl_MtrRadpS_u12p4[1]       | 1312         |                |        |
| Name                                    | Actual Value | Expected Value | Result |
| EOTActuatorMng_EOTImpactPos_HwDeg_M_f32 | 100          | 100            | •      |
| EOTOrigImpact()                         | 2.41599131   | 2.41599131     | •      |

| Т                           |       |                             |       | ~      |
|-----------------------------|-------|-----------------------------|-------|--------|
| Actual Function             | Count | Expected Function           | Count | Result |
| IntplVarXY_u16_u16Xu16Y_Cnt | 1     | IntplVarXY_u16_u16Xu16Y_Cnt | 1     | ~      |

| Test Step 2.29 (Repeat Count = 1)       |              | <b>✓</b> |
|---|--------------|----------|
| Name                                    | Input Value  |          |
| CcwEOT_HwDeg_T_f32                      | -999.419983  |          |
| CwEOT_HwDeg_T_f32                       | 444.394012   |          |
| EOTActuatorMng_EOTImpactPos_HwDeg_M_f32 | 444.579987   |          |
| HandWheelAuth_Uls_T_f32                 | 0.365999997  |          |
| HandWheelPos_HwDeg_T_f32                | -222.654007  |          |
| MotorVel_MtrRadpS_T_f32                 | -0.100000001 |          |
| VehicleSpeed_Kph_T_f32                  | 12.6739998   |          |

2015-06-29, 18:35:20+0530



| Name                                    | Input Value  |                |        |
|---|--------------|----------------|--------|
| k_EOTDefltPosition_HwDeg_u12p4          | 4080         |                |        |
| k_EOTImpSpdEn_Kph_u9p7                  | 9600         |                |        |
| k_PosRampStep_HwDeg_u12p4               | 11008        |                |        |
| k_SpdlptScale_MtrNmpRadpS_u4p12         | 218          |                |        |
| t_SpdlptTblXTbl_HwDeg_u12p4[0]          | 0            |                |        |
| t_SpdlptTblXTbl_HwDeg_u12p4[1]          | 0            |                |        |
| t_SpdlptTblYTbl_MtrRadpS_u12p4[0]       | 768          |                |        |
| t_SpdIptTbIYTbI_MtrRadpS_u12p4[1]       | 1344         |                |        |
| Name                                    | Actual Value | Expected Value | Result |
| EOTActuatorMng_EOTImpactPos_HwDeg_M_f32 | 255          | 255            | ~      |
| EOTOrigImpact()                         | 2.54936528   | 2.54936528     | ✓      |

| Т                           |       |                             |      |      | <b>✓</b> |
|-----------------------------|-------|-----------------------------|------|------|----------|
| Actual Function             | Count | Expected Function           | Coun | Resu | lt       |
| IntplVarXY_u16_u16Xu16Y_Cnt | 1     | IntplVarXY_u16_u16Xu16Y_Cnt | 1    |      | ~        |

| Test Step 2.30 (Repeat Count = 1) Name  | Input Value |  |
|---|-------------|--|
|   |             |  |
| CcwEOT_HwDeg_T_f32                      | -777.124023 |  |
| CwEOT_HwDeg_T_f32                       | 555.857971  |  |
| EOTActuatorMng_EOTImpactPos_HwDeg_M_f32 | 555.450012  |  |
| HandWheelAuth_Uls_T_f32                 | 0.865999997 |  |
| HandWheelPos_HwDeg_T_f32                | -353.247009 |  |
| MotorVel_MtrRadpS_T_f32                 | 0.200000003 |  |
| VehicleSpeed_Kph_T_f32                  | 11.3140001  |  |
| k_EOTDefltPosition_HwDeg_u12p4          | 5680        |  |
| k_EOTImpSpdEn_Kph_u9p7                  | 11392       |  |
| k_PosRampStep_HwDeg_u12p4               | 12432       |  |
| k_SpdlptScale_MtrNmpRadpS_u4p12         | 226         |  |
| t_SpdlptTblXTbl_HwDeg_u12p4[0]          | 2880        |  |
| t_SpdlptTblXTbl_HwDeg_u12p4[1]          | 2880        |  |
| t_SpdIptTbIYTbI_MtrRadpS_u12p4[0]       | 784         |  |
| t_SpdlptTblYTbl_MtrRadpS_u12p4[1]       | 1376        |  |



| Test Step 2.32 (Repeat Count = 1)       |              |                | ✓        |
|---|--------------|----------------|----------|
| Name                                    | Input Value  |                |          |
| CcwEOT_HwDeg_T_f32                      | -666.458008  |                |          |
| CwEOT_HwDeg_T_f32                       | 777.958984   |                |          |
| EOTActuatorMng_EOTImpactPos_HwDeg_M_f32 | 777.349976   |                |          |
| HandWheelAuth_Uls_T_f32                 | 0.765999973  |                |          |
| HandWheelPos_HwDeg_T_f32                | 444.157013   |                |          |
| MotorVel_MtrRadpS_T_f32                 | 650          |                |          |
| VehicleSpeed_Kph_T_f32                  | 8.14500046   |                |          |
| k_EOTDefltPosition_HwDeg_u12p4          | 8880         |                |          |
| k_EOTImpSpdEn_Kph_u9p7                  | 4864         |                |          |
| k_PosRampStep_HwDeg_u12p4               | 8880         |                |          |
| k_SpdIptScale_MtrNmpRadpS_u4p12         | 242          |                |          |
| t_SpdlptTblXTbl_HwDeg_u12p4[0]          | 608          |                |          |
| t_SpdlptTblXTbl_HwDeg_u12p4[1]          | 1024         |                |          |
| t_SpdlptTblYTbl_MtrRadpS_u12p4[0]       | 0            |                |          |
| t_SpdlptTblYTbl_MtrRadpS_u12p4[1]       | 0            |                |          |
| Name                                    | Actual Value | Expected Value | Result   |
| EOTActuatorMng_EOTImpactPos_HwDeg_M_f32 | 555          | 555            | <b>✓</b> |
| EOTOrigImpact()                         | 0            | 0              | <b>✓</b> |

| T                           |       |                             |       | <b>✓</b> |
|-----------------------------|-------|-----------------------------|-------|----------|
| Actual Function             | Count | Expected Function           | Count | Result   |
| IntplVarXY_u16_u16Xu16Y_Cnt | 1     | IntplVarXY_u16_u16Xu16Y_Cnt | 1     | ~        |

| Test Step 2.33 (Repeat Count = 1)       |              |                | ✓.       |
|---|--------------|----------------|----------|
| Name                                    | Input Value  |                |          |
| CcwEOT_HwDeg_T_f32                      | -555.874023  |                |          |
| CwEOT_HwDeg_T_f32                       | 888.754028   |                |          |
| EOTActuatorMng_EOTImpactPos_HwDeg_M_f32 | 888.450012   |                |          |
| HandWheelAuth_Uls_T_f32                 | 0.588        |                |          |
| HandWheelPos_HwDeg_T_f32                | -444.246002  |                |          |
| MotorVel_MtrRadpS_T_f32                 | 0.30000012   |                |          |
| VehicleSpeed_Kph_T_f32                  | 6.6571002    |                |          |
| k_EOTDefltPosition_HwDeg_u12p4          | 10480        |                |          |
| k_EOTImpSpdEn_Kph_u9p7                  | 11392        |                |          |
| k_PosRampStep_HwDeg_u12p4               | 7104         |                |          |
| k_SpdIptScale_MtrNmpRadpS_u4p12         | 0            |                |          |
| t_SpdlptTblXTbl_HwDeg_u12p4[0]          | 624          |                |          |
| t_SpdlptTblXTbl_HwDeg_u12p4[1]          | 1056         |                |          |
| t_SpdlptTblYTbl_MtrRadpS_u12p4[0]       | 65520        |                |          |
| t_SpdIptTbIYTbI_MtrRadpS_u12p4[1]       | 65520        |                |          |
| Name                                    | Actual Value | Expected Value | Result   |
| EOTActuatorMng_EOTImpactPos_HwDeg_M_f32 | 655          | 655            | <b>*</b> |
| EOTOrigImpact()                         | 0            | 0              | <b>✓</b> |

| T                           |       |                             |       |        |
|-----------------------------|-------|-----------------------------|-------|--------|
| Actual Function             | Count | Expected Function           | Count | Result |
| IntplVarXY_u16_u16Xu16Y_Cnt | 1     | IntplVarXY_u16_u16Xu16Y_Cnt | 1     | ~      |

| Test Step 2.34 (Repeat Count = 1)       |              | 🗸 |
|---|--------------|---|
| Name                                    | Input Value  |   |
| CcwEOT_HwDeg_T_f32                      | -444.144989  |   |
| CwEOT_HwDeg_T_f32                       | 999.45697    |   |
| EOTActuatorMng_EOTImpactPos_HwDeg_M_f32 | 999.849976   |   |
| HandWheelAuth_Uls_T_f32                 | 0.856000006  |   |
| HandWheelPos_HwDeg_T_f32                | 555.671021   |   |
| MotorVel_MtrRadpS_T_f32                 | -0.300000012 |   |
| VehicleSpeed_Kph_T_f32                  | 5.12589979   |   |
| k_EOTDefltPosition_HwDeg_u12p4          | 12080        |   |
| k_EOTImpSpdEn_Kph_u9p7                  | 6272         |   |
| k_PosRampStep_HwDeg_u12p4               | 5328         |   |
| k_SpdIptScale_MtrNmpRadpS_u4p12         | 257          |   |
| t_SpdlptTblXTbl_HwDeg_u12p4[0]          | 640          |   |

2015-06-29, 18:35:20+0530



| Name                                    | Input Value  |                |          |
|---|--------------|----------------|----------|
| t_SpdlptTblXTbl_HwDeg_u12p4[1]          | 1088         |                |          |
| t_SpdlptTblYTbl_MtrRadpS_u12p4[0]       | 240          |                |          |
| t_SpdlptTblYTbl_MtrRadpS_u12p4[1]       | 960          |                |          |
| Name                                    | Actual Value | Expected Value | Result   |
| EOTActuatorMng_EOTImpactPos_HwDeg_M_f32 | 755          | 755            | <b>✓</b> |
| EOTOrigImpact()                         | 0.922338843  | 0.922338843    | ~        |

| T |                             |       |                             |       | ,     |    |
|---|-----------------------------|-------|-----------------------------|-------|-------|----|
|   | Actual Function             | Count | Expected Function           | Count | Resul | it |
|   | IntplVarXY_u16_u16Xu16Y_Cnt | 1     | IntplVarXY_u16_u16Xu16Y_Cnt | 1     | •     |    |

| Test Step 2.35 (Repeat Count = 1)       |              |                | <b>✓</b> |
|---|--------------|----------------|----------|
| Name                                    | Input Value  |                |          |
| CcwEOT_HwDeg_T_f32                      | -333.984985  |                |          |
| CwEOT_HwDeg_T_f32                       | 423.157013   |                |          |
| EOTActuatorMng_EOTImpactPos_HwDeg_M_f32 | 1111.44995   |                |          |
| HandWheelAuth_Uls_T_f32                 | 0.266000003  |                |          |
| HandWheelPos_HwDeg_T_f32                | -555.317993  |                |          |
| MotorVel_MtrRadpS_T_f32                 | 0.40000006   |                |          |
| VehicleSpeed_Kph_T_f32                  | 4.31449986   |                |          |
| k_EOTDefltPosition_HwDeg_u12p4          | 7632         |                |          |
| k_EOTImpSpdEn_Kph_u9p7                  | 9472         |                |          |
| k_PosRampStep_HwDeg_u12p4               | 3552         |                |          |
| k_SpdlptScale_MtrNmpRadpS_u4p12         | 0            |                |          |
| t_SpdlptTblXTbl_HwDeg_u12p4[0]          | 656          |                |          |
| t_SpdlptTblXTbl_HwDeg_u12p4[1]          | 1120         |                |          |
| t_SpdlptTblYTbl_MtrRadpS_u12p4[0]       | 128          |                |          |
| t_SpdlptTblYTbl_MtrRadpS_u12p4[1]       | 160          |                |          |
| Name                                    | Actual Value | Expected Value | Result   |
| EOTActuatorMng_EOTImpactPos_HwDeg_M_f32 | 477          | 477            | ~        |
| EOTOrigImpact()                         | 0            | 0              | ~        |

| T                           |       |                             |       | <b>✓</b> |
|-----------------------------|-------|-----------------------------|-------|----------|
| Actual Function             | Count | Expected Function           | Count | Result   |
| IntplVarXY_u16_u16Xu16Y_Cnt | 1     | IntplVarXY_u16_u16Xu16Y_Cnt | 1     | ~        |

| Test Step 2.36 (Repeat Count = 1)       |              |                | <b>✓</b> |
|---|--------------|----------------|----------|
| Name                                    | Input Value  |                |          |
| CcwEOT_HwDeg_T_f32                      | -222.354004  |                |          |
| CwEOT_HwDeg_T_f32                       | 287.656006   |                |          |
| EOTActuatorMng_EOTImpactPos_HwDeg_M_f32 | 1265.14001   |                |          |
| HandWheelAuth_Uls_T_f32                 | 0.665000021  |                |          |
| HandWheelPos_HwDeg_T_f32                | 666.846008   |                |          |
| MotorVel_MtrRadpS_T_f32                 | -0.40000006  |                |          |
| VehicleSpeed_Kph_T_f32                  | 3.85100007   |                |          |
| k_EOTDefltPosition_HwDeg_u12p4          | 4432         |                |          |
| k_EOTImpSpdEn_Kph_u9p7                  | 4736         |                |          |
| k_PosRampStep_HwDeg_u12p4               | 1776         |                |          |
| k_SpdlptScale_MtrNmpRadpS_u4p12         | 1024         |                |          |
| t_SpdlptTblXTbl_HwDeg_u12p4[0]          | 672          |                |          |
| t_SpdlptTblXTbl_HwDeg_u12p4[1]          | 1152         |                |          |
| t_SpdlptTblYTbl_MtrRadpS_u12p4[0]       | 160          |                |          |
| t_SpdlptTblYTbl_MtrRadpS_u12p4[1]       | 176          |                |          |
| Name                                    | Actual Value | Expected Value | Result   |
| EOTActuatorMng_EOTImpactPos_HwDeg_M_f32 | 277          | 277            | ~        |
| EOTOrigImpact()                         | 2.6500001    | 2.6500001      | <b>✓</b> |

| Т                           |       |                             |       |        |
|-----------------------------|-------|-----------------------------|-------|--------|
| Actual Function             | Count | Expected Function           | Count | Result |
| IntplVarXY u16 u16Xu16Y Cnt | 1     | IntplVarXY u16 u16Xu16Y Cnt | 1     | ~      |



| Test Step 2.37 (Repeat Count = 1)       |              |                | <b>✓</b> |
|---|--------------|----------------|----------|
| Name                                    | Input Value  |                |          |
| CcwEOT_HwDeg_T_f32                      | -111.213997  |                |          |
| CwEOT_HwDeg_T_f32                       | 764.353027   |                |          |
| EOTActuatorMng_EOTImpactPos_HwDeg_M_f32 | 266.980011   |                |          |
| HandWheelAuth_Uls_T_f32                 | 0.354999989  |                |          |
| HandWheelPos_HwDeg_T_f32                | -666.95697   |                |          |
| MotorVel_MtrRadpS_T_f32                 | 0.600000024  |                |          |
| VehicleSpeed_Kph_T_f32                  | 2.35470009   |                |          |
| k_EOTDefltPosition_HwDeg_u12p4          | 7760         |                |          |
| k_EOTImpSpdEn_Kph_u9p7                  | 11392        |                |          |
| k_PosRampStep_HwDeg_u12p4               | 12272        |                |          |
| k_SpdlptScale_MtrNmpRadpS_u4p12         | 80           |                |          |
| t_SpdlptTblXTbl_HwDeg_u12p4[0]          | 688          |                |          |
| t_SpdlptTblXTbl_HwDeg_u12p4[1]          | 1184         |                |          |
| t_SpdlptTblYTbl_MtrRadpS_u12p4[0]       | 192          |                |          |
| t_SpdlptTblYTbl_MtrRadpS_u12p4[1]       | 208          |                |          |
| Name                                    | Actual Value | Expected Value | Result   |
| EOTActuatorMng_EOTImpactPos_HwDeg_M_f32 | 485          | 485            | ~        |
| EOTOrigImpact()                         | 0.2421875    | 0.2421875      | ✓        |

| Τ                           |       |                             |       | <b>✓</b> |
|-----------------------------|-------|-----------------------------|-------|----------|
| Actual Function             | Count | Expected Function           | Count | Result   |
| IntplVarXY_u16_u16Xu16Y_Cnt | 1     | IntplVarXY_u16_u16Xu16Y_Cnt | 1     | ~        |

| Test Step 2.38 (Repeat Count = 1)       |              |                | <b>✓</b> |
|---|--------------|----------------|----------|
| Name                                    | Input Value  |                |          |
| CcwEOT_HwDeg_T_f32                      | -739.057983  |                |          |
| CwEOT_HwDeg_T_f32                       | 785.452026   |                |          |
| EOTActuatorMng_EOTImpactPos_HwDeg_M_f32 | 766.169983   |                |          |
| HandWheelAuth_Uls_T_f32                 | 0.43000007   |                |          |
| HandWheelPos_HwDeg_T_f32                | 633.653992   |                |          |
| MotorVel_MtrRadpS_T_f32                 | 0.600000024  |                |          |
| VehicleSpeed_Kph_T_f32                  | 3.85739994   |                |          |
| k_EOTDefltPosition_HwDeg_u12p4          | 12560        |                |          |
| k_EOTImpSpdEn_Kph_u9p7                  | 0            |                |          |
| k_PosRampStep_HwDeg_u12p4               | 3920         |                |          |
| k_SpdlptScale_MtrNmpRadpS_u4p12         | 1            |                |          |
| t_SpdlptTblXTbl_HwDeg_u12p4[0]          | 704          |                |          |
| t_SpdlptTblXTbl_HwDeg_u12p4[1]          | 1216         |                |          |
| t_SpdlptTblYTbl_MtrRadpS_u12p4[0]       | 208          |                |          |
| t_SpdlptTblYTbl_MtrRadpS_u12p4[1]       | 224          |                |          |
| Name                                    | Actual Value | Expected Value | Result   |
| EOTActuatorMng_EOTImpactPos_HwDeg_M_f32 | 785          | 785            | ~        |
| EOTOrigImpact()                         | 8.80000019   | 8.80000019     | ✓        |

| Т                           |       |                             |       |        |
|-----------------------------|-------|-----------------------------|-------|--------|
| Actual Function             | Count | Expected Function           | Count | Result |
| IntplVarXY_u16_u16Xu16Y_Cnt | 1     | IntplVarXY_u16_u16Xu16Y_Cnt | 1     | •      |

| Test Step 2.39 (Repeat Count = 1)       |              | <b>✓</b> |
|---|--------------|----------|
| Name                                    | Input Value  |          |
| CcwEOT_HwDeg_T_f32                      | -684.020996  |          |
| CwEOT_HwDeg_T_f32                       | 645.252014   |          |
| EOTActuatorMng_EOTImpactPos_HwDeg_M_f32 | 596.469971   |          |
| HandWheelAuth_Uls_T_f32                 | 0.236599997  |          |
| HandWheelPos_HwDeg_T_f32                | -543.854004  |          |
| MotorVel_MtrRadpS_T_f32                 | -0.600000024 |          |
| VehicleSpeed_Kph_T_f32                  | 2.1257       |          |
| k_EOTDefltPosition_HwDeg_u12p4          | 9040         |          |
| k_EOTImpSpdEn_Kph_u9p7                  | 32640        |          |
| k_PosRampStep_HwDeg_u12p4               | 12256        |          |
| k_SpdIptScale_MtrNmpRadpS_u4p12         | 12           |          |
| t_SpdlptTblXTbl_HwDeg_u12p4[0]          | 720          |          |
| t_SpdlptTblXTbl_HwDeg_u12p4[1]          | 1248         |          |
| t_SpdlptTblYTbl_MtrRadpS_u12p4[0]       | 224          |          |

2015-06-29, 18:35:20+0530



| Name                                    | Input Value  |                |        |
|---|--------------|----------------|--------|
| t_SpdIptTbIYTbI_MtrRadpS_u12p4[1]       | 256          |                |        |
| Name                                    | Actual Value | Expected Value | Result |
| EOTActuatorMng_EOTImpactPos_HwDeg_M_f32 | 565          | 565            | ~      |
| EOTOrigImpact()                         | 0.0392578095 | 0.0392578132   | •      |

| Τ                           |       |                             |       |        |
|-----------------------------|-------|-----------------------------|-------|--------|
| Actual Function             | Count | Expected Function           | Count | Result |
| IntplVarXY_u16_u16Xu16Y_Cnt | 1     | IntplVarXY_u16_u16Xu16Y_Cnt | 1     | ~      |

| Test Step 2.40 (Repeat Count = 1)       |                   |              | ✓      |
|---|-------------------|--------------|--------|
| Name                                    | Input Value       |              |        |
| CcwEOT_HwDeg_T_f32                      | -538.611023       |              |        |
| CwEOT_HwDeg_T_f32                       | 867.741028        |              |        |
| EOTActuatorMng_EOTImpactPos_HwDeg_M_f32 | 497.070007        |              |        |
| HandWheelAuth_Uls_T_f32                 | 0.787999988       |              |        |
| HandWheelPos_HwDeg_T_f32                | 484.674988        |              |        |
| MotorVel_MtrRadpS_T_f32                 | 0.69999988        |              |        |
| VehicleSpeed_Kph_T_f32                  | 1.35409999        |              |        |
| k_EOTDefltPosition_HwDeg_u12p4          | 7632              |              |        |
| k_EOTImpSpdEn_Kph_u9p7                  | 3840              |              |        |
| k_PosRampStep_HwDeg_u12p4               | 736               |              |        |
| k_SpdlptScale_MtrNmpRadpS_u4p12         | 24                |              |        |
| t_SpdlptTblXTbl_HwDeg_u12p4[0]          | 736               |              |        |
| t_SpdlptTblXTbl_HwDeg_u12p4[1]          | 1280              |              |        |
| t_SpdIptTbIYTbI_MtrRadpS_u12p4[0]       | 240               |              |        |
| t_SpdIptTbIYTbI_MtrRadpS_u12p4[1]       | 288               |              |        |
| Name                                    | Actual Value Εχ   | pected Value | Result |
| EOTActuatorMng_EOTImpactPos_HwDeg_M_f32 | 477 477           | ,            | ~      |
| EOTOrigImpact()                         | 0.0837890655 0.08 | 837890655    | ~      |

| T                           |       |                             |       | V      |
|-----------------------------|-------|-----------------------------|-------|--------|
| Actual Function             | Count | Expected Function           | Count | Result |
| IntplVarXY_u16_u16Xu16Y_Cnt | 1     | IntplVarXY_u16_u16Xu16Y_Cnt | 1     | ~      |

| Test Step 2.41 (Repeat Count = 1)       |              |                           | <b>✓</b> |
|---|--------------|---------------------------|----------|
| Name                                    | Input Value  |                           |          |
| CcwEOT_HwDeg_T_f32                      | -644.124023  |                           |          |
| CwEOT_HwDeg_T_f32                       | 645.854004   |                           |          |
| EOTActuatorMng_EOTImpactPos_HwDeg_M_f32 | 1250.33997   |                           |          |
| HandWheelAuth_Uls_T_f32                 | 1            |                           |          |
| HandWheelPos_HwDeg_T_f32                | -1100.25403  |                           |          |
| MotorVel_MtrRadpS_T_f32                 | 0.10000001   |                           |          |
| VehicleSpeed_Kph_T_f32                  | 8.32450008   |                           |          |
| k_EOTDefltPosition_HwDeg_u12p4          | 8880         |                           |          |
| k_EOTImpSpdEn_Kph_u9p7                  | 4864         |                           |          |
| k_PosRampStep_HwDeg_u12p4               | 0            |                           |          |
| k_SpdIptScale_MtrNmpRadpS_u4p12         | 35           |                           |          |
| t_SpdlptTblXTbl_HwDeg_u12p4[0]          | 752          |                           |          |
| t_SpdlptTblXTbl_HwDeg_u12p4[1]          | 1312         |                           |          |
| t_SpdlptTblYTbl_MtrRadpS_u12p4[0]       | 256          |                           |          |
| t_SpdlptTblYTbl_MtrRadpS_u12p4[1]       | 320          |                           |          |
| Name                                    | Actual Value | Expected Value            | Result   |
| EOTActuatorMng_EOTImpactPos_HwDeg_M_f32 | 1250.33997   | 1250.33997 ± 0.0000390625 | -        |
| EOTOrigImpact()                         | 0.170043945  | 0.170043945 ± 0.0078125   | <b>✓</b> |

| T                           |       |                             |       | <b>✓</b> |
|-----------------------------|-------|-----------------------------|-------|----------|
| Actual Function             | Count | Expected Function           | Count | Result   |
| IntolVarXY u16 u16Xu16Y Cnt | 1     | IntolVarXY u16 u16Xu16Y Cnt | 1     |          |

| Test Step 2.42 (Repeat Count = 1) | <b>✓</b>    |
|-----------------------------------|-------------|
| Name                              | Input Value |
| CcwEOT_HwDeg_T_f32                | -555.953979 |
| CwEOT_HwDeg_T_f32                 | 386.653992  |

2015-06-29, 18:35:20+0530



| Name                                    | Input Value  |
|---|--------------|
| EOTActuatorMng_EOTImpactPos_HwDeg_M_f32 | 200.057999   |
| HandWheelAuth_Uls_T_f32                 | 1            |
| HandWheelPos_HwDeg_T_f32                | -1150.56006  |
| MotorVel_MtrRadpS_T_f32                 | -0.100000001 |
| VehicleSpeed_Kph_T_f32                  | 9.2578001    |
| k_EOTDefltPosition_HwDeg_u12p4          | 10656        |
| k_EOTImpSpdEn_Kph_u9p7                  | 9600         |
| k_PosRampStep_HwDeg_u12p4               | 13104        |
| k_SpdIptScale_MtrNmpRadpS_u4p12         | 47           |
| t_SpdlptTblXTbl_HwDeg_u12p4[0]          | 768          |
| t_SpdlptTblXTbl_HwDeg_u12p4[1]          | 1344         |
| t_SpdlptTblYTbl_MtrRadpS_u12p4[0]       | 272          |
| t_SpdlptTblYTbl_MtrRadpS_u12p4[1]       | 320          |





| Т                           |       |                             |       |        |
|-----------------------------|-------|-----------------------------|-------|--------|
| Actual Function             | Count | Expected Function           | Count | Result |
| IntplVarXY_u16_u16Xu16Y_Cnt | 1     | IntplVarXY_u16_u16Xu16Y_Cnt | 1     | ~      |

| Test Step 2.45 (Repeat Count = 1)       |              |                | <b>✓</b> |
|---|--------------|----------------|----------|
| Name                                    | Input Value  |                |          |
| CcwEOT_HwDeg_T_f32                      | 0            |                |          |
| CwEOT_HwDeg_T_f32                       | 1440.10999   |                |          |
| EOTActuatorMng_EOTImpactPos_HwDeg_M_f32 | 1440.10999   |                |          |
| HandWheelAuth_Uls_T_f32                 | 1            |                |          |
| HandWheelPos_HwDeg_T_f32                | 1440.10999   |                |          |
| MotorVel_MtrRadpS_T_f32                 | 1350         |                |          |
| VehicleSpeed_Kph_T_f32                  | 511.992188   |                |          |
| k_EOTDefltPosition_HwDeg_u12p4          | 13104        |                |          |
| k_EOTImpSpdEn_Kph_u9p7                  | 32640        |                |          |
| k_PosRampStep_HwDeg_u12p4               | 13104        |                |          |
| k_SpdlptScale_MtrNmpRadpS_u4p12         | 1024         |                |          |
| t_SpdlptTblXTbl_HwDeg_u12p4[0]          | 2880         |                |          |
| t_SpdlptTblXTbl_HwDeg_u12p4[1]          | 2880         |                |          |
| t_SpdlptTblYTbl_MtrRadpS_u12p4[0]       | 65520        |                |          |
| t_SpdlptTblYTbl_MtrRadpS_u12p4[1]       | 65520        |                |          |
| Name                                    | Actual Value | Expected Value | Result   |
| EOTActuatorMng_EOTImpactPos_HwDeg_M_f32 | 1440.10999   | 1440.10999     | <b>✓</b> |
| EOTOrigImpact()                         | 8.80000019   | 8.80000019     | <b>✓</b> |

| T                           |       |                             |       | V        |
|-----------------------------|-------|-----------------------------|-------|----------|
| Actual Function             | Count | Expected Function           | Count | Result   |
| IntplVarXY_u16_u16Xu16Y_Cnt | 1     | IntplVarXY_u16_u16Xu16Y_Cnt | 1     | <b>~</b> |



#### Test Case 3: Path Test Specification Performance Metrics (With "None" Instrumentation and WithPS Environment) CPU Cycles: TS3.1 156 cycles TS3.2 136 cycles TS3.3 164 cycles TS3.4 154 cycles TS3.5 164 cycles TS3.6 172 cycles TS3.7 164 cycles Description Vector Description $TS3.1 (VehicleSpeed3\_Kph\_T\_f32 > FPM\_FixedToFloat\_m(k\_EOTImpSpdEn\_Kph\_u9p7, u9p7\_T)) = TRUE\\ TS3.2" (VehicleSpeed3\_Kph\_T\_f32 > FPM\_FixedToFloat\_m(k\_EOTImpSpdEn\_Kph\_u9p7, u9p7\_T)) = FALSE\\ TS3.2" (VehicleSpeed3\_Kph\_T\_f32 > FPM\_FixedToFloat\_m(k\_EOTImpSpdEn\_Kph\_U9p7, upp7\_T)) = FALSE\\ TS3.2" (VehicleSpeed3\_Kph\_T\_f32 > FPM\_FixedToFloat\_m(k\_EOTImpSpdEn\_Kph\_T\_f32 > FPM\_FixedToFloat\_m(k\_EOTImpSpdEn\_Kph\_T\_f32 > FPM\_FixedToFloat\_m(k\_E$ AND $(HandWheelAuth\_Uls\_T\_f32 < D\_HWPOSAUTHHILMT\_ULS\_F32) = TRUE$ AND (HandWheelPos\_HwDeg\_T\_f32 < D\_ZERO\_ULS\_F32) = FALSE AND (DeltaAstEOTLmt MtrRadpS T f32 < D ZERO ULS F32) = FALSE" TS3.3"(VehicleSpeed3\_Kph\_T\_f32 > FPM\_FixedToFloat\_m(k\_EOTImpSpdEn\_Kph\_u9p7, u9p7\_T))=FALSE AND (HandWheelAuth\_Uls\_T\_f32 < D\_HWPOSAUTHHILMT\_ULS\_F32)=FALSE ÀND if (Abs\_f32\_m(HwPosDiff\_HwDeg\_T\_f32) > FPM\_FixedToFloat\_m(k\_PosRampStep\_HwDeg\_u12p4, u12p4\_T))=TRUE AND (HandWheelPos\_HwDeg\_T\_f32 < D\_ZERO\_ULS\_F32)=FALSE ÀND $\label{eq:continuity} $$(DeltaAstEOTLmt_MtrRadpS_T_{32} < D_ZERO_ULS_F32)=FALSE"$$TS3.4"(VehicleSpeed3_Kph_T_f32 > FPM_FixedToFloat_m(k_EOTImpSpdEn_Kph_u9p7, u9p7_T))=FALSE$$$(Astallar) = FALSE$$$(Astallar) = FALSE$$$$ $(HandWheelAuth\_Uls\_T\_f32 < D\_HWPOSAUTHHILMT\_ULS\_F32) = FALSE \\ AND$ if (Abs\_f32\_m(HwPosDiff\_HwDeg\_T\_f32) > FPM\_FixedToFloat\_m(k\_PosRampStep\_HwDeg\_u12p4, u12p4\_T))=TRUE AND (HandWheelPos\_HwDeg\_T\_f32 < D\_ZERO\_ULS\_F32)=FALSE $(DeltaAstEOTLmt\_MtrRadpS\_T\_f32 < D\_ZERO\_ULS\_F32) = TRUE$ TS3.5"(VehicleSpeed3\_Kph\_T\_f32 > FPM\_FixedToFloat\_m(k\_EOTImpSpdEn\_Kph\_u9p7, u9p7\_T))=FALSE AND (HandWheelAuth\_Uls\_T\_f32 < D\_HWPOSAUTHHILMT\_ULS\_F32)=FALSE ÀND if (Abs\_f32\_m(HwPosDiff\_HwDeg\_T\_f32) > FPM\_FixedToFloat\_m(k\_PosRampStep\_HwDeg\_u12p4, u12p4\_T))=FALSE AND (HandWheelPos\_HwDeg\_T\_f32 < D\_ZERO\_ULS\_F32)=FALSE (DeltaAstEOTLmt\_MtrRadpS\_T\_f32 < D\_ZERO\_ULS\_F32)=FALSE" TS3.6"(VehicleSpeed3\_Kph\_T\_f32 > FPM\_FixedToFloat\_m(k\_EOTImpSpdEn\_Kph\_u9p7, u9p7\_T))=FALSE $(HandWheelAuth\_Uls\_T\_f32 < D\_HWPOSAUTHHILMT\_ULS\_F32) = FALSE$ AND if (Abs\_f32\_m(HwPosDiff\_HwDeg\_T\_f32) > FPM\_FixedToFloat\_m(k\_PosRampStep\_HwDeg\_u12p4, u12p4\_T))=TRUE AND (HandWheelPos\_HwDeg\_T\_f32 < D\_ZERO\_ULS\_F32)=TRUE ÀND $(DeltaAstEOTLmt\_MtrRadpS\_T\_f32 < D\_ZERO\_ULS\_F32) = TRUE$

| TOO 74 CondinaThiy IlluDon T  | 10m 4[0] Aba a40 m/Cau/C   | OT 11Dag T addad . /aia44C\4 | Codint Thi VThi I had a man a 101 Thin |
|-------------------------------|----------------------------|------------------------------|--|
| 193 /1 Spoibilipix Hwiseo I I | UTZD4IUT = ADS ST6 MICCWEL | )   HWDea   STID4 + (SIDITO) | _SpdlptTblXTbl_HwDeg_u12p4[0])=>TRUE   |
|                               |                            |                              |  |

| Name                                    | Input Value  |                        |          |
|---|--------------|------------------------|----------|
| CcwEOT_HwDeg_T_f32                      | -100         |                        |          |
| CwEOT_HwDeg_T_f32                       | 1400         |                        |          |
| •                                       | 350          |                        |          |
| EOTActuatorMng_EOTImpactPos_HwDeg_M_f32 |              |                        |          |
| HandWheelAuth_Uls_T_f32                 | 0.100000001  |                        |          |
| HandWheelPos_HwDeg_T_f32                | -900         |                        |          |
| MotorVel_MtrRadpS_T_f32                 | 150          |                        |          |
| VehicleSpeed_Kph_T_f32                  | 180          |                        |          |
| k_EOTDefltPosition_HwDeg_u12p4          | 1600         |                        |          |
| k_EOTImpSpdEn_Kph_u9p7                  | 3840         |                        |          |
| k_PosRampStep_HwDeg_u12p4               | 48           |                        |          |
| k_SpdIptScale_MtrNmpRadpS_u4p12         | 80           |                        |          |
| t_SpdlptTblXTbl_HwDeg_u12p4[0]          | 400          |                        |          |
| t_SpdlptTblXTbl_HwDeg_u12p4[1]          | 800          |                        |          |
| t_SpdlptTblYTbl_MtrRadpS_u12p4[0]       | 240          |                        |          |
| t_SpdlptTblYTbl_MtrRadpS_u12p4[1]       | 960          |                        |          |
| Name                                    | Actual Value | Expected Value         | Result   |
| EOTActuatorMng_EOTImpactPos_HwDeg_M_f32 | 100          | 100 ± 0.0000390625     | ~        |
| EOTOrigImpact()                         | 8.80000019   | 8.80000019 ± 0.0078125 | <b>✓</b> |





| Τ                           |       |                             |       | <b>✓</b> |
|-----------------------------|-------|-----------------------------|-------|----------|
| Actual Function             | Count | Expected Function           | Count | Result   |
| IntplVarXY_u16_u16Xu16Y_Cnt | 1     | IntplVarXY_u16_u16Xu16Y_Cnt | 1     | ~        |

| Test Step 3.2 (Repeat Count = 1)        |              |                         | ✓        |
|---|--------------|-------------------------|----------|
| Name                                    | Input Value  |                         |          |
| CcwEOT_HwDeg_T_f32                      | -100         |                         |          |
| CwEOT_HwDeg_T_f32                       | 1440.10999   |                         |          |
| EOTActuatorMng_EOTImpactPos_HwDeg_M_f32 | 250          |                         |          |
| HandWheelAuth_Uls_T_f32                 | 0.20000003   |                         |          |
| HandWheelPos_HwDeg_T_f32                | 900          |                         |          |
| MotorVel_MtrRadpS_T_f32                 | 0.5          |                         |          |
| VehicleSpeed_Kph_T_f32                  | 0.10000001   |                         |          |
| k_EOTDefltPosition_HwDeg_u12p4          | 1600         |                         |          |
| k_EOTImpSpdEn_Kph_u9p7                  | 3840         |                         |          |
| k_PosRampStep_HwDeg_u12p4               | 48           |                         |          |
| k_SpdlptScale_MtrNmpRadpS_u4p12         | 80           |                         |          |
| t_SpdlptTblXTbl_HwDeg_u12p4[0]          | 400          |                         |          |
| t_SpdlptTblXTbl_HwDeg_u12p4[1]          | 800          |                         |          |
| t_SpdlptTblYTbl_MtrRadpS_u12p4[0]       | 240          |                         |          |
| t_SpdlptTblYTbl_MtrRadpS_u12p4[1]       | 960          |                         |          |
| Name                                    | Actual Value | Expected Value          | Result   |
| EOTActuatorMng_EOTImpactPos_HwDeg_M_f32 | 100          | 100 ± 0.0000390625      | ~        |
| EOTOrigImpact()                         | 0.283203125  | 0.283203125 ± 0.0078125 | <b>~</b> |

| T                           |       |                             |       | V      |
|-----------------------------|-------|-----------------------------|-------|--------|
| Actual Function             | Count | Expected Function           | Count | Result |
| IntplVarXY_u16_u16Xu16Y_Cnt | 1     | IntplVarXY_u16_u16Xu16Y_Cnt | 1     | ~      |

| Test Step 3.3 (Repeat Count = 1)        |              |                       | <b>~</b> |
|---|--------------|-----------------------|----------|
| Name                                    | Input Value  |                       |          |
| CcwEOT_HwDeg_T_f32                      | -400         |                       |          |
| CwEOT_HwDeg_T_f32                       | 1100         |                       |          |
| EOTActuatorMng_EOTImpactPos_HwDeg_M_f32 | 110          |                       |          |
| HandWheelAuth_Uls_T_f32                 | 1            |                       |          |
| HandWheelPos_HwDeg_T_f32                | 400          |                       |          |
| MotorVel_MtrRadpS_T_f32                 | 1            |                       |          |
| VehicleSpeed_Kph_T_f32                  | 0.20000003   |                       |          |
| k_EOTDefltPosition_HwDeg_u12p4          | 1600         |                       |          |
| k_EOTImpSpdEn_Kph_u9p7                  | 3840         |                       |          |
| k_PosRampStep_HwDeg_u12p4               | 48           |                       |          |
| k_SpdIptScale_MtrNmpRadpS_u4p12         | 80           |                       |          |
| t_SpdlptTblXTbl_HwDeg_u12p4[0]          | 400          |                       |          |
| t_SpdlptTblXTbl_HwDeg_u12p4[1]          | 800          |                       |          |
| t_SpdIptTbIYTbI_MtrRadpS_u12p4[0]       | 240          |                       |          |
| t_SpdlptTblYTbl_MtrRadpS_u12p4[1]       | 960          |                       |          |
| Name                                    | Actual Value | Expected Value        | Result   |
| EOTActuatorMng_EOTImpactPos_HwDeg_M_f32 | 113          | 113 ± 0.0000390625    | -        |
| EOTOrigImpact()                         | 0.2734375    | 0.2734375 ± 0.0078125 | <b>✓</b> |

| Т                           |       |                             |       | ~      |
|-----------------------------|-------|-----------------------------|-------|--------|
| Actual Function             | Count | Expected Function           | Count | Result |
| IntplVarXY_u16_u16Xu16Y_Cnt | 1     | IntplVarXY_u16_u16Xu16Y_Cnt | 1     | ~      |

| Test Step 3.4 (Repeat Count = 1)        |             | <b>✓</b> |
|---|-------------|----------|
| Name                                    | Input Value |          |
| CcwEOT_HwDeg_T_f32                      | -200        |          |
| CwEOT_HwDeg_T_f32                       | 1200        |          |
| EOTActuatorMng_EOTImpactPos_HwDeg_M_f32 | 500         |          |
| HandWheelAuth_Uls_T_f32                 | 1           |          |
| HandWheelPos_HwDeg_T_f32                | 400         |          |
| MotorVel_MtrRadpS_T_f32                 | -620        |          |
| VehicleSpeed_Kph_T_f32                  | 0.150000006 |          |

2015-06-29, 18:35:20+0530



| Name                                    | Input Value  |                    |        |
|---|--------------|--------------------|--------|
| k_EOTDefltPosition_HwDeg_u12p4          | 1600         |                    |        |
| k_EOTImpSpdEn_Kph_u9p7                  | 3840         |                    |        |
| k_PosRampStep_HwDeg_u12p4               | 48           |                    |        |
| k_SpdlptScale_MtrNmpRadpS_u4p12         | 80           |                    |        |
| t_SpdlptTblXTbl_HwDeg_u12p4[0]          | 400          |                    |        |
| t_SpdlptTblXTbl_HwDeg_u12p4[1]          | 800          |                    |        |
| t_SpdlptTblYTbl_MtrRadpS_u12p4[0]       | 240          |                    |        |
| t_SpdlptTblYTbl_MtrRadpS_u12p4[1]       | 960          |                    |        |
| Name                                    | Actual Value | Expected Value     | Result |
| EOTActuatorMng_EOTImpactPos_HwDeg_M_f32 | 497          | 497 ± 0.0000390625 | ~      |
| EOTOrigImpact()                         | 0            | 0 ± 0.0078125      | ✓      |

| T                           |       |                             |      |        |    |
|-----------------------------|-------|-----------------------------|------|--------|----|
| Actual Function             | Count | Expected Function           | Coun | t Resu | lt |
| IntplVarXY_u16_u16Xu16Y_Cnt | 1     | IntplVarXY_u16_u16Xu16Y_Cnt | 1    |        |    |

| Test Step 3.5 (Repeat Count = 1)        |              |                        | ✓        |
|---|--------------|------------------------|----------|
| Name                                    | Input Value  |                        |          |
| CcwEOT_HwDeg_T_f32                      | -300         |                        |          |
| CwEOT_HwDeg_T_f32                       | 1000         |                        |          |
| EOTActuatorMng_EOTImpactPos_HwDeg_M_f32 | 400          |                        |          |
| HandWheelAuth_Uls_T_f32                 | 1            |                        |          |
| HandWheelPos_HwDeg_T_f32                | 400          |                        |          |
| MotorVel_MtrRadpS_T_f32                 | 2            |                        |          |
| VehicleSpeed_Kph_T_f32                  | 0.20999993   |                        |          |
| k_EOTDefltPosition_HwDeg_u12p4          | 1600         |                        |          |
| k_EOTImpSpdEn_Kph_u9p7                  | 3840         |                        |          |
| k_PosRampStep_HwDeg_u12p4               | 48           |                        |          |
| k_SpdlptScale_MtrNmpRadpS_u4p12         | 80           |                        |          |
| t_SpdIptTbIXTbI_HwDeg_u12p4[0]          | 400          |                        |          |
| t_SpdlptTblXTbl_HwDeg_u12p4[1]          | 800          |                        |          |
| t_SpdIptTbIYTbI_MtrRadpS_u12p4[0]       | 240          |                        |          |
| t_SpdIptTbIYTbI_MtrRadpS_u12p4[1]       | 960          |                        |          |
| Name                                    | Actual Value | Expected Value         | Result   |
| EOTActuatorMng_EOTImpactPos_HwDeg_M_f32 | 400          | 400 ± 0.0000390625     | ~        |
| EOTOrigImpact()                         | 0.25390625   | 0.25390625 ± 0.0078125 | <b>✓</b> |

| Τ                           |       |                             |       | <b>✓</b> |
|-----------------------------|-------|-----------------------------|-------|----------|
| Actual Function             | Count | Expected Function           | Count | Result   |
| IntplVarXY_u16_u16Xu16Y_Cnt | 1     | IntplVarXY_u16_u16Xu16Y_Cnt | 1     | •        |

| Test Step 3.6 (Repeat Count = 1) ✓      |              |                    |          |
|---|--------------|--------------------|----------|
| Name                                    | Input Value  |                    |          |
| CcwEOT_HwDeg_T_f32                      | -500         |                    |          |
| CwEOT_HwDeg_T_f32                       | 1000         |                    |          |
| EOTActuatorMng_EOTImpactPos_HwDeg_M_f32 | 400          |                    |          |
| HandWheelAuth_Uls_T_f32                 | 1            |                    |          |
| HandWheelPos_HwDeg_T_f32                | -180         |                    |          |
| MotorVel_MtrRadpS_T_f32                 | -700         |                    |          |
| VehicleSpeed_Kph_T_f32                  | 0.12999995   |                    |          |
| k_EOTDefltPosition_HwDeg_u12p4          | 1600         |                    |          |
| k_EOTImpSpdEn_Kph_u9p7                  | 3840         |                    |          |
| k_PosRampStep_HwDeg_u12p4               | 48           |                    |          |
| k_SpdlptScale_MtrNmpRadpS_u4p12         | 80           |                    |          |
| t_SpdlptTblXTbl_HwDeg_u12p4[0]          | 400          |                    |          |
| t_SpdlptTblXTbl_HwDeg_u12p4[1]          | 800          |                    |          |
| t_SpdlptTblYTbl_MtrRadpS_u12p4[0]       | 240          |                    |          |
| t_SpdlptTblYTbl_MtrRadpS_u12p4[1]       | 960          |                    |          |
| Name                                    | Actual Value | Expected Value     | Result   |
| EOTActuatorMng_EOTImpactPos_HwDeg_M_f32 | 397          | 397 ± 0.0000390625 | ~        |
| EOTOrigImpact()                         | 0            | 0 ± 0.0078125      | <b>✓</b> |

| Τ                           |       |                             |       | <b>✓</b> |
|-----------------------------|-------|-----------------------------|-------|----------|
| Actual Function             | Count | Expected Function           | Count | Result   |
| IntplVarXY_u16_u16Xu16Y_Cnt | 1     | IntplVarXY_u16_u16Xu16Y_Cnt | 1     | ~        |





| Test Step 3.7 (Repeat Count = 1)        |              |                         | ✓        |
|---|--------------|-------------------------|----------|
| Name                                    | Input Value  |                         |          |
| CcwEOT_HwDeg_T_f32                      | 0            |                         |          |
| CwEOT_HwDeg_T_f32                       | 800.35199    |                         |          |
| EOTActuatorMng_EOTImpactPos_HwDeg_M_f32 | 660.015381   |                         |          |
| HandWheelAuth_Uls_T_f32                 | 0.800000012  |                         |          |
| HandWheelPos_HwDeg_T_f32                | -680.851013  |                         |          |
| MotorVel_MtrRadpS_T_f32                 | 0.200000003  |                         |          |
| VehicleSpeed_Kph_T_f32                  | 15.4560003   |                         |          |
| k_EOTDefltPosition_HwDeg_u12p4          | 9600         |                         |          |
| k_EOTImpSpdEn_Kph_u9p7                  | 6400         |                         |          |
| k_PosRampStep_HwDeg_u12p4               | 4096         |                         |          |
| k_SpdlptScale_MtrNmpRadpS_u4p12         | 32           |                         |          |
| t_SpdlptTblXTbl_HwDeg_u12p4[0]          | 224          |                         |          |
| t_SpdlptTblXTbl_HwDeg_u12p4[1]          | 256          |                         |          |
| t_SpdlptTblYTbl_MtrRadpS_u12p4[0]       | 384          |                         |          |
| t_SpdlptTblYTbl_MtrRadpS_u12p4[1]       | 576          |                         |          |
| Name                                    | Actual Value | Expected Value          | Result   |
| EOTActuatorMng_EOTImpactPos_HwDeg_M_f32 | 600          | 600 ± 0.0000390625      | <b>✓</b> |
| EOTOrigImpact()                         | 0.279687494  | 0.279687494 ± 0.0078125 | ~        |

| Τ                           |       |                             | <b>✓</b> |        |
|-----------------------------|-------|-----------------------------|----------|--------|
| Actual Function             | Count | Expected Function           | Count    | Result |
| IntplVarXY_u16_u16Xu16Y_Cnt | 1     | IntplVarXY_u16_u16Xu16Y_Cnt | 1        | ~      |

2015-06-29, 18:41:16+0530



SES\_CalcEOTGain

| Project     | EOTActuatorMng  |
|-------------|-----------------|
| Module      | EOTActuatorMng  |
| Test Object | SES_CalcEOTGain |

## Instrumentation: Test Object Only

| Statement (C0) Coverage | 100 % |
|-------------------------|-------|
| Decision Coverage       | 100 % |
| Branch (C1) Coverage    | 100 % |
| MC/DC Coverage          | 100 % |

#### **Statistics**

| Total Testcases | 3 |   |
|-----------------|---|---|
| Successful      | 3 | ~ |
| Failed          | 0 |   |
| Not Executed    | 0 |   |

## **Module Properties**

| Project Root Directory | D:\Synergy_Work_Area\CBD_EOTActuatorMng\EOTActuatorMng   |
|------------------------|--|
| Configuration File     | D:\Synergy_Work_Area\CBD_EOTActuatorMng\EOTActuatorMng\UnitTestEnv\config \TMS570_GCC_UDE_CCS4_Config.xml  |
| Target Environment     | TI TMS 570 PLS UDE (Default)   |
| Kind of Test           | Unit Test  |
| Linker Options         |  |
| Source File(s)         |  |
| File                   | \$(PROJECTROOT)\NxtrLib\src\interpolation.c  |
| Compiler Options       | -D_DATA_ACCESS= -Dconst= -I\$(PROJECTROOT)\NxtrLib\include -I\$(PROJECTROOT)\StdDef\include -I\$(PROJECTROOT)\utp\contract \Ap_EOTActuatorMng -I\$(PROJECTROOT)\utp\contract -I\$(Compiler Install Path)\include |
| File                   | \$(PROJECTROOT)\src\Ap_EOTActuatorMng.c  |
| Compiler Options       | -D_DATA_ACCESS= -Dconst= -I\$(PROJECTROOT)\NxtrLib\include -I\$(PROJECTROOT)\StdDef\include -I\$(PROJECTROOT)\utp\contract \Ap_EOTActuatorMng -I\$(PROJECTROOT)\utp\contract -I\$(Compiler Install Path)\include |

| Comments/Description/Specification |  |  |
|------------------------------------|--|--|
| Name                               | Text                                   |  |
| Module 'EOTActuatorMng'            | /************************************* |  |

| Attributes            |   |
|-----------------------|---|
| Name                  | Value   |
| Compiler Install Path | \$(ProgramFiles)\Texas Instruments\ccsv4\tools\compiler\tms470_4.9.5            |
| Float Precision       | 9   |
| InitObjDir            | <pre>\$(PROJECTROOT)\UnitTestEnv\static_build_files\obj</pre>                   |
| InitSrcDir            | \$(PROJECTROOT)\UnitTestEnv\static_build_files\src                              |
| Linker File           | <pre>\$(PROJECTROOT)\UnitTestEnv\static_build_files\sys_link.cmd</pre>          |
| Makefile Template     | <pre>\$(PROJECTROOT)\UnitTestEnv\config\Nexteer_ts_make_ude_ti_tms570.tpl</pre> |
| Target Install Path   | \$(ProgramFiles)\pls\UDE 3.2  |
| Time Unit             | Cycles  |
| Timer Enabled         | false   |

2015-06-29, 18:41:16+0530



SES\_CalcEOTGain

| Attributes       |  |  |
|------------------|--|--|
| Name             | Value  |  |
| Timer Prescale   | 0  |  |
| Timer Resolution |  |  |
| UDE Config File  | \$(PROJECTROOT)\UnitTestEnv\config\TMS570_UDE_12PIN_JTAG.cfg                                   |  |
| Workspace File   | D:\Synergy_Work_Area\CBD_EOTActuatorMng\EOTActuatorMng\UnitTestEnv\config\UDE_TMS570_DEBUG.WSP |  |



#### **Test Case 1: Metrics test**

Performance Metrics (With "None" Instrumentation and WithPS Environment)
CPU Cycles: Specification

TS1.1 2 cycles TS1.2 7 cycles

Description Vector Description

TS1.1"Shortest Execution Path: SESState\_Uls\_M\_enum = SES\_DISABLED" TS1.2"Longest Execution Path: SESState\_Uls\_M\_enum = Else"

| Test Step 1.1 (Repeat Count = 1)   |              |                |        |
|------------------------------------|--------------|----------------|--------|
| Name                               | Input Value  |                |        |
| EOTActuatorMng_SESState_Uls_M_enum | SES_DISABLED |                |        |
| EOTEnterGain_Uls_T_f32             | 0.20000003   |                |        |
| EOTExitGain_Uls_T_f32              | 0.69999988   |                |        |
| Name                               | Actual Value | Expected Value | Result |
| SES_CalcEOTGain()                  | 1            | 1              | ~      |

| Τ               |       |                          |       | <b>✓</b> |
|-----------------|-------|--------------------------|-------|----------|
| Actual Function | Count | Expected Function        | Count | Result   |
| *none*          | 0     | *** No Call Expected *** | 0     | ~        |

| Test Step 1.2 (Repeat Count = 1)   |              |                |        |
|------------------------------------|--------------|----------------|--------|
| Name                               | Input Value  |                |        |
| EOTActuatorMng_SESState_Uls_M_enum | SES_NORMAL   |                |        |
| EOTEnterGain_Uls_T_f32             | 0.10000001   |                |        |
| EOTExitGain_Uls_T_f32              | 0.69999988   |                |        |
| Name                               | Actual Value | Expected Value | Result |
| SES_CalcEOTGain()                  | 0.10000001   | 0.10000001     | ~      |

| T               |       |                          |       | <b>✓</b> |
|-----------------|-------|--------------------------|-------|----------|
| Actual Function | Count | Expected Function        | Count | Result   |
| *none*          | 0     | *** No Call Expected *** | 0     | <b>✓</b> |

#### Test Case 2: Boundary Test

Specification Performance Metrics (With "None" Instrumentation and WithPS Environment)
CPU Cycles:

TS2.1 7 cycles TS2.2 7 cycles TS2.2 7 cycles TS2.4 5 cycles TS2.5 5 cycles TS2.5 5 cycles TS2.7 2 cycles TS2.8 7 cycles TS2.8 7 cycles TS2.10 5 cycles TS2.11 2 cycles TS2.11 2 cycles

Description Vector Description

TS2.1EOTEnterGain\_Uls\_T\_f32min
TS2.2EOTEnterGain\_Uls\_T\_f32 max
TS2.3EOTEnterGain\_Uls\_T\_f32 pos
TS2.4EOTExitGain\_Uls\_T\_f32 min
TS2.5EOTExitGain\_Uls\_T\_f32 max
TS2.6EOTExitGain\_Uls\_T\_f32 pos
TS2.7SESState\_Uls\_M\_enum min
TS2.8SESState\_Uls\_M\_enum=1
TS2.9SESState\_Uls\_M\_enum=2
TS2.10SESState\_Uls\_M\_enum max
TS2.11All min
TS2.12All max

| Test St | tep 2.1 | (Repeat | Count = 1) |
|---------|---------|---------|------------|
|         |         |         |            |

TS2.12All max

| lest Step 2.1 (Repeat Count = 1)   |             |  |  |  |
|------------------------------------|-------------|--|--|--|
| Name                               | Input Value |  |  |  |
| EOTActuatorMng_SESState_Uls_M_enum | SES_NORMAL  |  |  |  |

SES\_CalcEOTGain

2015-06-29, 18:41:16+0530



| Name                   | Input Value  |                |        |
|------------------------|--------------|----------------|--------|
| EOTEnterGain_Uls_T_f32 | 0            |                |        |
| EOTExitGain_Uls_T_f32  | 0.89999976   |                |        |
| Name                   | Actual Value | Expected Value | Result |
| SES_CalcEOTGain()      | 0            | 0              | ~      |

| Τ               |       |                          |       | <b>✓</b> |
|-----------------|-------|--------------------------|-------|----------|
| Actual Function | Count | Expected Function        | Count | Result   |
| *none*          | 0     | *** No Call Expected *** | 0     | ~        |

| Test Step 2.2 (Repeat Count = 1)   |              |                | ✓.       |
|------------------------------------|--------------|----------------|----------|
| Name                               | Input Value  |                |          |
| EOTActuatorMng_SESState_Uls_M_enum | SES_ENTERING |                |          |
| EOTEnterGain_Uls_T_f32             | 1            |                |          |
| EOTExitGain_Uls_T_f32              | 0.800000012  |                |          |
| Name                               | Actual Value | Expected Value | Result   |
| SES_CalcEOTGain()                  | 1            | 1              | <b>✓</b> |

| T               |       |                          |       |        |  |
|-----------------|-------|--------------------------|-------|--------|--|
| Actual Function | Count | Expected Function        | Count | Result |  |
| *none*          | 0     | *** No Call Expected *** | 0     | ~      |  |

| Test Step 2.3 (Repeat Count = 1)   |              |                |          |
|------------------------------------|--------------|----------------|----------|
| Name                               | Input Value  |                |          |
| EOTActuatorMng_SESState_Uls_M_enum | SES_NORMAL   |                |          |
| EOTEnterGain_Uls_T_f32             | 0.5          |                |          |
| EOTExitGain_Uls_T_f32              | 0.69999988   |                |          |
| Name                               | Actual Value | Expected Value | Result   |
| SES_CalcEOTGain()                  | 0.5          | 0.5            | <b>✓</b> |

| T               |       |                          |       |        |  |  |
|-----------------|-------|--------------------------|-------|--------|--|--|
| Actual Function | Count | Expected Function        | Count | Result |  |  |
| *none*          | 0     | *** No Call Expected *** | 0     | ~      |  |  |

| Test Step 2.4 (Repeat Count = 1)   |              |                | ✓      |
|------------------------------------|--------------|----------------|--------|
| Name                               | Input Value  |                |        |
| EOTActuatorMng_SESState_Uls_M_enum | SES_EXITING  |                |        |
| EOTEnterGain_Uls_T_f32             | 0.10000001   |                |        |
| EOTExitGain_Uls_T_f32              | 0            |                |        |
| Name                               | Actual Value | Expected Value | Result |
| SES_CalcEOTGain()                  | 0            | 0              | ~      |

| Т               |       |                          |       |        |
|-----------------|-------|--------------------------|-------|--------|
| Actual Function | Count | Expected Function        | Count | Result |
| *none*          | 0     | *** No Call Expected *** | 0     | ~      |

| Test Step 2.5 (Repeat Count = 1)   |              |                | <b>✓</b> |
|------------------------------------|--------------|----------------|----------|
| Name                               | Input Value  |                |          |
| EOTActuatorMng_SESState_Uls_M_enum | SES_EXITING  |                |          |
| EOTEnterGain_Uls_T_f32             | 0.200000003  |                |          |
| EOTExitGain_Uls_T_f32              | 1            |                |          |
| Name                               | Actual Value | Expected Value | Result   |
| SES_CalcEOTGain()                  | 1            | 1              | ~        |

| T               |       |                          |       |        |
|-----------------|-------|--------------------------|-------|--------|
| Actual Function | Count | Expected Function        | Count | Result |
| *none*          | 0     | *** No Call Expected *** | 0     | ~      |



SES\_CalcEOTGain

| Test Step 2.6 (Repeat Count = 1)   |              |                | V      |
|------------------------------------|--------------|----------------|--------|
| Name                               | Input Value  |                |        |
| EOTActuatorMng_SESState_Uls_M_enum | SES_EXITING  |                |        |
| EOTEnterGain_Uls_T_f32             | 0.300000012  |                |        |
| EOTExitGain_Uls_T_f32              | 0.30000012   |                |        |
| Name                               | Actual Value | Expected Value | Result |
| SES_CalcEOTGain()                  | 0.300000012  | 0.300000012    | ~      |

| Τ               |       |                          |       |        |
|-----------------|-------|--------------------------|-------|--------|
| Actual Function | Count | Expected Function        | Count | Result |
| *none*          | 0     | *** No Call Expected *** | 0     | ~      |

| Test Step 2.7 (Repeat Count = 1)   |              |                |        |
|------------------------------------|--------------|----------------|--------|
| Name                               | Input Value  |                |        |
| EOTActuatorMng_SESState_Uls_M_enum | SES_DISABLED |                |        |
| EOTEnterGain_UIs_T_f32             | 0.40000006   |                |        |
| EOTExitGain_Uls_T_f32              | 0.100000001  |                |        |
| Name                               | Actual Value | Expected Value | Result |
| SES_CalcEOTGain()                  | 1            | 1              | ~      |

| T               |       |                          |       |      | <b>/</b> |
|-----------------|-------|--------------------------|-------|------|----------|
| Actual Function | Count | Expected Function        | Count | Resu | lt       |
| *none*          | 0     | *** No Call Expected *** | 0     |      | ~        |

| Test Step 2.8 (Repeat Count = 1)   |              |                | <b>✓</b> |
|------------------------------------|--------------|----------------|----------|
| Name                               | Input Value  |                |          |
| EOTActuatorMng_SESState_Uls_M_enum | SES_NORMAL   |                |          |
| EOTEnterGain_Uls_T_f32             | 0.40000006   |                |          |
| EOTExitGain_Uls_T_f32              | 0.10000001   |                |          |
| Name                               | Actual Value | Expected Value | Result   |
| SES_CalcEOTGain()                  | 0.40000006   | 0.40000006     | ~        |

| Т               |       |                          |       |        |
|-----------------|-------|--------------------------|-------|--------|
| Actual Function | Count | Expected Function        | Count | Result |
| *none*          | 0     | *** No Call Expected *** | 0     | ~      |

| Test Step 2.9 (Repeat Count = 1)   |              |                |        |  |
|------------------------------------|--------------|----------------|--------|--|
| Name                               | Input Value  |                |        |  |
| EOTActuatorMng_SESState_Uls_M_enum | SES_ENTERING |                |        |  |
| EOTEnterGain_UIs_T_f32             | 0.600000024  |                |        |  |
| EOTExitGain_Uls_T_f32              | 0.20000003   |                |        |  |
| Name                               | Actual Value | Expected Value | Result |  |
| SES_CalcEOTGain()                  | 0.600000024  | 0.600000024    | ~      |  |

| T               |       |                          |       |        |
|-----------------|-------|--------------------------|-------|--------|
| Actual Function | Count | Expected Function        | Count | Result |
| *none*          | 0     | *** No Call Expected *** | 0     | ~      |

| Test Step 2.10 (Repeat Count = 1)  |              |                |        |
|------------------------------------|--------------|----------------|--------|
| Name                               | Input Value  |                |        |
| EOTActuatorMng_SESState_Uls_M_enum | SES_EXITING  |                |        |
| EOTEnterGain_Uls_T_f32             | 0.600000024  |                |        |
| EOTExitGain_Uls_T_f32              | 0.20000003   |                |        |
| Name                               | Actual Value | Expected Value | Result |
| SES_CalcEOTGain()                  | 0.20000003   | 0.200000003    | ✓      |

SES\_CalcEOTGain

2015-06-29, 18:41:16+0530



| T               |       |                          |       | <b>✓</b> |
|-----------------|-------|--------------------------|-------|----------|
| Actual Function | Count | Expected Function        | Count | Result   |
| *none*          | 0     | *** No Call Expected *** | 0     | _        |

| Test Step 2.11 (Repeat Count = 1)  |              |                | <b>✓</b> |
|------------------------------------|--------------|----------------|----------|
| Name                               | Input Value  |                |          |
| EOTActuatorMng_SESState_Uls_M_enum | SES_DISABLED |                |          |
| EOTEnterGain_Uls_T_f32             | 0            |                |          |
| EOTExitGain_Uls_T_f32              | 0            |                |          |
| Name                               | Actual Value | Expected Value | Result   |
| SES_CalcEOTGain()                  | 1            | 1              | <b>~</b> |

| T               |       |                          |       | <b>✓</b> |
|-----------------|-------|--------------------------|-------|----------|
| Actual Function | Count | Expected Function        | Count | Result   |
| *none*          | 0     | *** No Call Expected *** | 0     | ~        |

| Test Step 2.12 (Repeat Count = 1)  |              |                | ~      |
|------------------------------------|--------------|----------------|--------|
| Name                               | Input Value  |                |        |
| EOTActuatorMng_SESState_Uls_M_enum | SES_EXITING  |                |        |
| EOTEnterGain_UIs_T_f32             | 1            |                |        |
| EOTExitGain_Uls_T_f32              | 1            |                |        |
| Name                               | Actual Value | Expected Value | Result |
| SES_CalcEOTGain()                  | 1            | 1              | ~      |

| T               |       |                          |       | <b>✓</b> |
|-----------------|-------|--------------------------|-------|----------|
| Actual Function | Count | Expected Function        | Count | Result   |
| *none*          | 0     | *** No Call Expected *** | 0     | ~        |

#### Test Case 3: Path Test

Performance Metrics (With "None" Instrumentation and WithPS Environment)
CPU Cycles: Specification

TS3.1 7 cycles TS3.2 2 cycles TS3.3 5 cycles

Description Vector Description

TS3.1SESState\_UIs\_M\_enum = Else TS3.2SESState\_UIs\_M\_enum = SES\_DISABLED TS3.3SESState\_UIs\_M\_enum = SES\_EXITING

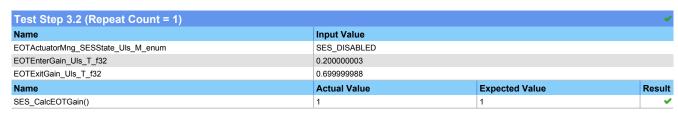
| Test Step 3.1 (Repeat Count = 1)   |              |                | <b>✓</b> |
|------------------------------------|--------------|----------------|----------|
| Name                               | Input Value  |                |          |
| EOTActuatorMng_SESState_Uls_M_enum | SES_NORMAL   |                |          |
| EOTEnterGain_Uls_T_f32             | 0.100000001  |                |          |
| EOTExitGain_Uls_T_f32              | 0.69999988   |                |          |
| Name                               | Actual Value | Expected Value | Result   |
| SES_CalcEOTGain()                  | 0.10000001   | 0.10000001     |          |

| T               |       |                          |       | ✓      |
|-----------------|-------|--------------------------|-------|--------|
| Actual Function | Count | Expected Function        | Count | Result |
| *none*          | 0     | *** No Call Expected *** | 0     | •      |

2015-06-29, 18:41:16+0530



SES\_CalcEOTGain



| Τ               |       |                          |       | V      |
|-----------------|-------|--------------------------|-------|--------|
| Actual Function | Count | Expected Function        | Count | Result |
| *none*          | 0     | *** No Call Expected *** | 0     | ~      |

| Test Step 3.3 (Repeat Count = 1)   |              |                | ✓      |
|------------------------------------|--------------|----------------|--------|
| Name                               | Input Value  |                |        |
| EOTActuatorMng_SESState_Uls_M_enum | SES_EXITING  |                |        |
| EOTEnterGain_Uls_T_f32             | 0.300000012  |                |        |
| EOTExitGain_Uls_T_f32              | 0.800000012  |                |        |
| Name                               | Actual Value | Expected Value | Result |
| SES_CalcEOTGain()                  | 0.800000012  | 0.800000012    | ~      |

| T               |       |                          |       | <b>✓</b> |
|-----------------|-------|--------------------------|-------|----------|
| Actual Function | Count | Expected Function        | Count | Result   |
| *none*          | 0     | *** No Call Expected *** | 0     | ~        |

2015-06-29, 18:49:35+0530





 Project
 EOTActuatorMng

 Module
 EOTActuatorMng

 Test Object
 SES\_StateCtrl

#### Instrumentation: Test Object Only

| Statement (C0) Coverage | 100 % |
|-------------------------|-------|
| Decision Coverage       | 100 % |
| Branch (C1) Coverage    | 100 % |
| MCC Coverage            | 100 % |
| MC/DC Coverage          | 100 % |

#### **Statistics**

| Total Testcases | 3 |   |
|-----------------|---|---|
| Successful      | 3 | ✓ |
| Failed          | 0 |   |
| Not Executed    | 0 |   |

#### **Module Properties**

| Project Root Directory | D:\Synergy_Work_Area\CBD_EOTActuatorMng\EOTActuatorMng  |
|------------------------|---|
| Configuration File     | D:\Synergy_Work_Area\CBD_EOTActuatorMng\EOTActuatorMng\UnitTestEnv\config \TMS570_GCC_UDE_CCS4_Config.xml   |
| Target Environment     | TI TMS 570 PLS UDE (Default)  |
| Kind of Test           | Unit Test   |
| Linker Options         |   |
| Source File(s)         |   |
| File                   | \$(PROJECTROOT)\NxtrLib\src\interpolation.c   |
| Compiler Options       | -D_DATA_ACCESS= -Dconst= -I\$(PROJECTROOT)\NxtrLib\include -I\$(PROJECTROOT)\StdDef\include -I\$(PROJECTROOT)\utp\contract \Ap_EOTActuatorMng -I\$(PROJECTROOT)\utp\contract -I\$(Compiler Install Path)\u00edinclude |
| File                   | \$(PROJECTROOT)\src\Ap_EOTActuatorMng.c   |
| Compiler Options       | -D_DATA_ACCESS= -Dconst= -I\$(PROJECTROOT)\NxtrLib\include -I\$(PROJECTROOT)\StdDef\include -I\$(PROJECTROOT)\utp\contract \Ap_EOTActuatorMng -I\$(PROJECTROOT)\utp\contract -I\$(Compiler Install Path)\include      |

| Name                     | Text   |
|--------------------------|--|
| /lodule 'EOTActuatorMng' | /**Mame of Tester:Priti Manglekar Code File(s) Under Test:Ap_EOTActuatorMng.c Code File(s) Version:19 Module Design Document:End_of_Travel_Actuator_Management_MDD.docx Module Design Document Version:25 Data Dictionary Version:21 Unit Test Plan Version:11 Optimization Level:Level 2 Compiler (CodeGen) Version:TMS470_4.9.5 Model Type:Excel Macro Model Version:Nexteer EPS Unit Test Tool 2.7d/EPS Library 1.32 Total FLASH Used (Bytes):2914 Total RAM Used (Bytes):2914 Total CALS Used (Bytes):170 Special Test Requirements: Test Date:6/29/2015 Comments:"NOTE 1: Inline functions defined in GlobalMacro.h are not unittested. NOTE 2: ""CBD_Sandbox_dbg.map"" is embedded for reference." |

| Attributes            |  |
|-----------------------|--|
| Name                  | Value  |
| Compiler Install Path | \$(ProgramFiles)\Texas Instruments\ccsv4\tools\compiler\tms470_4.9.5   |
| Float Precision       | 9  |
| InitObjDir            | <pre>\$(PROJECTROOT)\UnitTestEnv\static_build_files\obj</pre>          |
| InitSrcDir            | \$(PROJECTROOT)\UnitTestEnv\static_build_files\src                     |
| Linker File           | <pre>\$(PROJECTROOT)\UnitTestEnv\static_build_files\sys_link.cmd</pre> |
| Makefile Template     | \$(PROJECTROOT)\UnitTestEnv\config\Nexteer_ts_make_ude_ti_tms570.tpl   |
| Target Install Path   | <pre>\$(ProgramFiles)\pls\UDE 3.2</pre>                                |
| Time Unit             | Cycles   |

2015-06-29, 18:49:35+0530



| Attributes       |  |
|------------------|--|
| Name             | Value  |
| Timer Enabled    | false  |
| Timer Prescale   | 0  |
| Timer Resolution |  |
| UDE Config File  | \$(PROJECTROOT)\UnitTestEnv\config\TMS570_UDE_12PIN_JTAG.cfg                                   |
| Workspace File   | D:\Synergy_Work_Area\CBD_EOTActuatorMng\EOTActuatorMng\UnitTestEnv\config\UDE_TMS570_DEBUG.WSP |



```
Specification

Performance Metrics (With "None" Instrumentation and WithBy Environment)
CPU Cycles:

TS1.1 64 cycles
TS1.2 389 cycles

Description

Vector Description

TS1.1"Shortest Execution Path:
((HandWheelAuth1_UIs_T_f32 < FPM_FixedToFloat_m(k_EOTDynConf_UIs_u8p8, u8p8_T)) Or (VehicleSpeed2_Kph_T_f32 >= FPM_FixedToFloat_m(k_EOTImpSpdEn_Kph_u9p7, u9p7_T)) Or (EOTDet_Cnt_T_lgc = False) Or (EOTDisable_Cnt_T_lgc = True)) ==> TRUE;
StatePrivectRes_UIs_T_u16 = D_SESSTATE_PRI1_ULS_U16"
TS1.2"Longest Execution Path:
((HandWheelAuth_UIs_T_f32 < FPM_FixedToFloat_m(k_EOTImpSpdEn_Kph_u9p7, u9p7_T)) ||
(VehicleSpeed Kph_T_f32 >= FPM_FixedToFloat_m(k_EOTImpSpdEn_Kph_u9p7, u9p7_T)) ||
(EOTDet_Cnt_T_lgc == FALSE) ||
(EOTDisable_Cnt_T_lgc == FRLSE) ||
(EOTDisable_Cnt_T_lgc == TRUE)) => FALSE
(((EOTActuatorMng_OutputRampMultLtd_M_f32 <= k_EOTActiveRegionBypassMaxThresh_UIs_f32) && (SESNextState_UIs_T_enum == SES_DISABLED)) ||
(Abs_f32_m(HandWheelPos_HwDeg_T_f32) <= (Abs_f32_m(LimitPosition_HwDeg_T_f32) - Max_m(EOTEnterGainVal_HwDeg_T_f32, EOTPosDepDampVal_HwDeg_T_f32)) |) >> FRUE
(FiltHwTrq_HwMm_T_f32 < (O_MINUSONE_ULS_F32* EOTDeltaTrqThrsh_HwNm_T_f32)) >> TRUE
(EOTActuatorMng_SESState_UIs_M_enum != SES_DISABLED)) >> TRUE
```

| Test Step 1.1 (Repeat Count = 1)         |             |
|--|-------------|
| Name                                     | Input Value |
| EOTActuatorMng_OutputRampMultLtd_M_f32   | 0.531000018 |
| EOTActuatorMng_SESState_Uls_M_enum       | SES_NORMAL  |
| EOTDet_Cnt_T_lgc                         | 1           |
| EOTDisable_Cnt_T_lgc                     | 1           |
| FiltHwTrq_HwNm_T_f32                     | -10         |
| HandWheelAuth_Uls_T_f32                  | 0.89999976  |
| HandWheelPos_HwDeg_T_f32                 | 600.450012  |
| LimitPosition_HwDeg_T_f32                | 1100.19995  |
| VehicleSpeed_Kph_T_f32                   | 10.6700001  |
| k_EOTActiveRegionBypassMaxThresh_Uls_f32 | 0.257999986 |
| k_EOTDeltaTrqThrsh_HwNm_u9p7             | 0           |
| k_EOTDynConf_Uls_u8p8                    | 205         |
| k_EOTImpSpdEn_Kph_u9p7                   | 3840        |
| t2_EOTEnterGainX_HwDeg_u12p4[0][0]       | 1440        |
| t2_EOTEnterGainX_HwDeg_u12p4[0][1]       | 960         |
| t2_EOTEnterGainX_HwDeg_u12p4[0][2]       | 480         |
| t2_EOTEnterGainX_HwDeg_u12p4[0][3]       | 320         |
| t2_EOTEnterGainX_HwDeg_u12p4[1][0]       | 1600        |
| t2_EOTEnterGainX_HwDeg_u12p4[1][1]       | 2400        |
| t2_EOTEnterGainX_HwDeg_u12p4[1][2]       | 3200        |
| t2_EOTEnterGainX_HwDeg_u12p4[1][3]       | 4000        |
| t2 EOTEnterGainX HwDeg u12p4[2][0]       |             |

 $\ensuremath{\texttt{@}}$  Report created by TESSY V3.1.11, report template V2.1



| Test Step 1.2 (Repeat Count = 1)         |              |                | ✓      |
|--|--------------|----------------|--------|
| Name                                     | Input Value  |                |        |
| EOTActuatorMng OutputRampMultLtd M f32   | 0.99000001   |                |        |
| EOTActuatorMng SESState Uls M enum       | SES NORMAL   |                |        |
| EOTDet_Cnt_T_lgc                         | 1            |                |        |
| EOTDisable Cnt T lgc                     | 0            |                |        |
| FiltHwTrg HwNm T f32                     | -9.67000008  |                |        |
| HandWheelAuth Uls T f32                  | 0.920000017  |                |        |
| HandWheelPos HwDeg T f32                 | 694.370972   |                |        |
| LimitPosition HwDeg T f32                | -500.450012  |                |        |
| VehicleSpeed_Kph_T_f32                   | 24.1000004   |                |        |
| k EOTActiveRegionBypassMaxThresh Uls f32 | 0.0430000015 |                |        |
| k_EOTDeltaTrqThrsh_HwNm_u9p7             | 896          |                |        |
| k EOTDynConf Uls u8p8                    | 233          |                |        |
| k EOTImpSpdEn Kph u9p7                   | 7936         |                |        |
| t2_EOTEnterGainX_HwDeg_u12p4[0][0]       | 0            |                |        |
| t2_EOTEnterGainX_HwDeg_u12p4[0][1]       | 96           |                |        |
| t2 EOTEnterGainX HwDeg u12p4[0][2]       | 192          |                |        |
| t2_EOTEnterGainX_HwDeg_u12p4[0][3]       | 400          |                |        |
| t2_EOTEnterGainX_HwDeg_u12p4[1][0]       | 800          |                |        |
| t2_EOTEnterGainX_HwDeg_u12p4[1][1]       | 2384         |                |        |
| t2_EOTEnterGainX_HwDeg_u12p4[1][2]       | 2400         |                |        |
| t2_EOTEnterGainX_HwDeg_u12p4[1][3]       | 2416         |                |        |
| t2_EOTEnterGainX_HwDeg_u12p4[2][0]       | 1440         |                |        |
| t2_EOTEnterGainX_HwDeg_u12p4[2][1]       | 4304         |                |        |
| t2_EOTEnterGainX_HwDeg_u12p4[2][2]       | 4320         |                |        |
| t2_EOTEnterGainX_HwDeg_u12p4[2][3]       | 4336         |                |        |
| t2_EOTEnterGainX_HwDeg_u12p4[3][0]       | 2080         |                |        |
| t2_EOTEnterGainX_HwDeg_u12p4[3][1]       | 6224         |                |        |
| t2_EOTEnterGainX_HwDeg_u12p4[3][2]       | 6240         |                |        |
| t2_EOTEnterGainX_HwDeg_u12p4[3][3]       | 6256         |                |        |
| t2_EOTPosDepDmpTblX_HwDeg_u12p4[0][0]    | 48           |                |        |
| t2_EOTPosDepDmpTblX_HwDeg_u12p4[0][1]    | 400          |                |        |
| t2_EOTPosDepDmpTblX_HwDeg_u12p4[1][0]    | 560          |                |        |
| t2_EOTPosDepDmpTblX_HwDeg_u12p4[1][1]    | 720          |                |        |
| t2_EOTPosDepDmpTblX_HwDeg_u12p4[2][0]    | 960          |                |        |
| t2_EOTPosDepDmpTblX_HwDeg_u12p4[2][1]    | 1344         |                |        |
| t2_EOTPosDepDmpTblX_HwDeg_u12p4[3][0]    | 848          |                |        |
| t2_EOTPosDepDmpTblX_HwDeg_u12p4[3][1]    | 4336         |                |        |
| t_EOTEnterGainVspd_Kph_u9p7[0]           | 5120         |                |        |
| t_EOTEnterGainVspd_Kph_u9p7[1]           | 15232        |                |        |
| t_EOTEnterGainVspd_Kph_u9p7[2]           | 15360        |                |        |
| t_EOTEnterGainVspd_Kph_u9p7[3]           | 15488        |                |        |
| Name                                     | Actual Value | Expected Value | Result |
| EOTActuatorMng_SESState_Uls_M_enum       | SES_EXITING  | SES_EXITING    |        |

2015-06-29, 18:49:35+0530



Test Case 2: Boundary Test

SES\_StateCtrl

© Report created by TESSY V3.1.11, report template V2.1

2015-06-29, 18:49:35+0530



#### Specification

SES\_StateCtrl

Performance Metrics (With "None" Instrumentation and WithPS Environment)
CPU Cycles:

TS2.1 400 cycles
TS2.2 385 cycles
TS2.3 363 cycles
TS2.4 386 cycles
TS2.5 386 cycles
TS2.6 362 cycles
TS2.6 362 cycles
TS2.7 227 cycles
TS2.9 226 cycles
TS2.9 226 cycles
TS2.10 225 cycles
TS2.11 250 cycles
TS2.11 250 cycles
TS2.12 248 cycles
TS2.12 248 cycles
TS2.13 225 cycles
TS2.12 248 cycles
TS2.14 248 cycles
TS2.15 260 cycles
TS2.15 260 cycles
TS2.17 48 cycles
TS2.17 48 cycles
TS2.18 48 cycles
TS2.19 225 cycles
TS2.20 48 cycles
TS2.10 225 cycles
TS2.21 261 cycles
TS2.22 48 cycles
TS2.23 261 cycles
TS2.23 261 cycles
TS2.23 261 cycles
TS2.24 48 cycles
TS2.25 48 cycles
TS2.27 48 cycles
TS2.27 48 cycles
TS2.28 246 cycles
TS2.29 48 cycles
TS2.21 48 cycles
TS2.30 246 cycles
TS2.31 48 cycles
TS2.32 48 cycles
TS2.33 48 cycles
TS2.34 48 cycles
TS2.35 48 cycles
TS2.35 48 cycles
TS2.37 48 cycles
TS2.38 48 cycles
TS2.39 48 cycles
TS2.40 48 cycles
TS2.41 48 cycles
TS2.42 48 cycles
TS2.43 225 cycles
TS2.44 203 cycles
TS2.45 403 cycles
TS2.47 264 cycles
TS2.48 27 cycles
TS2.49 225 cycles
TS2.49 225 cycles
TS2.50 227 cycles
TS2.50 227 cycles
TS2.51 384 cycles
TS2.53 384 cycles
TS2.55 384 cycles
TS2.55 384 cycles



#### **Description** Vector Description

TS2.1FiltHwTrq\_HwNm\_T\_f32 min TS2.2FiltHwTrq\_HwNm\_T\_f32 max TS2.3FiltHwTrq\_HwNm\_T\_f32 zero TS2.4FiltHwTrq\_HwNm\_T\_f32 pos TS2.5FiltHwTrq\_HwNm\_T\_f32 neg TS2.6LimitPosition1\_HwDeg\_T\_f32 min TS2.7LimitPosition1\_HwDeg\_T\_f32 max TS2.8LimitPosition1\_HwDeg\_T\_f32 zero TS2.9LimitPosition1\_HwDeg\_T\_j32\_zero
TS2.9LimitPosition1\_HwDeg\_T\_f32\_neg
TS2.10LimitPosition1\_HwDeg\_T\_f32\_pos
TS2.11HandWheelPos5\_HwDeg\_T\_f32\_min
TS2.12HandWheelPos5\_HwDeg\_T\_f32\_max
TS2.13HandWheelPos5\_HwDeg\_T\_f32\_zero
TS2.14HandWheelPos5\_HwDeg\_T\_f32\_neg TS2.14HandWheelPos5\_HwDeg\_T\_f32 neg
TS2.15HandWheelPos5\_HwDeg\_T\_f32 pos
TS2.16HandWheelAuth1\_Uls\_T\_f32 min
TS2.16HandWheelAuth1\_Uls\_T\_f32 min
TS2.17HandWheelAuth1\_Uls\_T\_f32 max
TS2.18HandWheelAuth1\_Uls\_T\_f32 pos
TS2.19VehicleSpeed2\_Kph\_T\_f32 min
TS2.20VehicleSpeed2\_Kph\_T\_f32 max
TS2.21VehicleSpeed2\_Kph\_T\_f32 pos
TS2.22EOTDet\_Cnt\_T\_lgc min
TS2.23EOTDet\_Cnt\_T\_lgc max
TS2.24EOTDisable\_Cnt\_T\_lgc min
TS2.25EOTDisable\_Cnt\_T\_lgc max
TS2.26SESState\_Uls\_M\_enum = 0
TS2.27SESState\_Uls\_M\_enum = 1
TS2.28SESState\_Uls\_M\_enum = 2 TS2.28SESState\_Uls\_M\_enum = 2 TS2.29SESState\_UIs\_M\_enum = 3
TS2.30k\_EOTDynConf\_UIs\_u8p8 min
TS2.31k\_EOTDynConf\_UIs\_u8p8 max TS2.32k\_EOTDynConf\_Uls\_u8p8 mid/default TS2.33k\_EOTImpSpdEn\_Kph\_u9p7 min TS2.34k\_EOTImpSpdEn\_Kph\_u9p7 max TS2.35k\_EOTImpSpdEn\_Kph\_u9p7 mid/default TS2.36t2\_EOTPosDepDmpTblX\_HwDeg\_u12p4[2] min TS2.37t2\_EOTPosDepDmpTblX\_HwDeg\_u12p4[2] max TS2.38t2\_EOTPosDepDmpTblX\_HwDeg\_u12p4[2] mid TS2.39t2\_EOTEnterGainX1\_HwDeg\_u12p4[4]min TS2.40t2\_EOTEnterGainX1\_HwDeg\_u12p4[4] max TS2.41t2\_EOTEnterGainX1\_HwDeg\_u12p4[4] mid TS2.42t\_EOTEnterGainVspd\_Kph\_u9p7[4] min TS2.43t\_EOTEnterGainVspd\_Kph\_u9p7[4] max TS2.44t\_EOTEnterGainVspd\_Kph\_u9p7[4] mid TS2.45k\_EOTDeltaTrqThrsh\_HwNm\_u9p7 min/default TS2.46k\_EOTDeltaTrqThrsh\_HwNm\_u9p7 max TS2.47k\_EOTDeltaTrqThrsh\_HwNm\_u9p7 mid TS2.48EOTActuatorMng\_OutputRampMultLtd\_M\_f32 = Min TS2.49EOTActuatorMng\_OutputRampMultLtd\_M\_f32 = Max TS2.50EOTActuatorMng\_OutputRampMultLtd\_M\_f32 = Mid TS2.51k\_EOTActiveRegionBypassMaxThresh\_UIs\_f32 = Min/default TS2.52k\_EOTActiveRegionBypassMaxThresh\_UIs\_f32 = Max TS2.53k\_EOTActiveRegionBypassMaxThresh\_UIs\_f32 = Mid TS2.54AII min TS2 55All max

| Name   | Input Value  |
|--|--------------|
| EOTActuatorMng OutputRampMultLtd M f32                                   | 0.284999996  |
| EOTActuatorMng SESState Uls M enum                                       | SES ENTERING |
| EOTDet Cnt T Igc   | 1            |
| EOTDisable Cnt T Iqc   | 0            |
| FiltHwTrq HwNm T f32   | -10          |
| HandWheelAuth Uls T f32  | 0.89999976   |
| HandWheelPos HwDeg T f32   | 1200.44995   |
| imitPosition HwDeg T f32   | 1100.02002   |
| /ehicleSpeed Kph T f32   | 40.3470001   |
| EOTActiveRegionBypassMaxThresh Uls f32                                   | 0.9900001    |
| EOTActiveRegionBypassimaxTrilesit_Ois_i32                                | 1152         |
| EOTDella Hqffilisti_Hwikiti_usp/   | 26           |
| EOTIMpSpdEn Kph u9p7   | 5376         |
| _EOTIMpspuEn_kpn_uspr<br>2_EOTEnterGainX_HwDeg_u12p4[0][0]               | 0            |
| 2_EOTEINEIGainX_HwDeg_u12p4[0][0]<br>2_EOTEINEIGainX_HwDeg_u12p4[0][1]   | 80           |
| 2_EOTEItlerGainX_nwbeg_u12p4[0][1]<br>2_EOTEItlerGainX_Hwbeg_u12p4[0][2] | 176          |
| 2_EOTEnterGainX_HwDeg_u12p4[0][2]  | 320          |
| 2_EOTEINEIGainX_nwbeg_u12p4[0][0]<br>2_EOTEINEIGainX_Hwbeg_u12p4[1][0]   | 480          |
|  | 1424         |
| 2_EOTEnterGainX_HwDeg_u12p4[1][1] 2 EOTEnterGainX HwDeg u12p4[1][2]      | 1424         |
|  | 1456         |
| 2_EOTEnterGainX_HwDeg_u12p4[1][3]  | 1120         |
| 2_EOTEnterGainX_HwDeg_u12p4[2][0]  | 3344         |
| 2_EOTEnterGainX_HwDeg_u12p4[2][1]  |              |
| 2_EOTEnterGainX_HwDeg_u12p4[2][2]  | 3360<br>3376 |
| 2_EOTEnterGainX_HwDeg_u12p4[2][3]  | 1760         |
| 2_EOTEnterGainX_HwDeg_u12p4[3][0]<br>2_EOTEnterGainX_HwDeg_u12p4[3][1]   | 5264         |

2015-06-29, 18:49:35+0530



| Name                                  | Input Value  |                |        |
|---------------------------------------|--------------|----------------|--------|
| t2 EOTEnterGainX HwDeg u12p4[3][2]    | 5280         |                |        |
| t2 EOTEnterGainX HwDeg u12p4[3][3]    | 5296         |                |        |
| t2_EOTPosDepDmpTblX_HwDeg_u12p4[0][0] | 16           |                |        |
| t2_EOTPosDepDmpTblX_HwDeg_u12p4[0][1] | 80           |                |        |
| t2_EOTPosDepDmpTblX_HwDeg_u12p4[1][0] | 448          |                |        |
| t2_EOTPosDepDmpTblX_HwDeg_u12p4[1][1] | 1120         |                |        |
| t2_EOTPosDepDmpTblX_HwDeg_u12p4[2][0] | 640          |                |        |
| t2_EOTPosDepDmpTblX_HwDeg_u12p4[2][1] | 1024         |                |        |
| t2_EOTPosDepDmpTblX_HwDeg_u12p4[3][0] | 640          |                |        |
| t2_EOTPosDepDmpTblX_HwDeg_u12p4[3][1] | 4016         |                |        |
| t_EOTEnterGainVspd_Kph_u9p7[0]        | 2560         |                |        |
| t_EOTEnterGainVspd_Kph_u9p7[1]        | 7552         |                |        |
| t_EOTEnterGainVspd_Kph_u9p7[2]        | 7680         |                |        |
| t_EOTEnterGainVspd_Kph_u9p7[3]        | 7808         |                |        |
| Name                                  | Actual Value | Expected Value | Result |
| EOTActuatorMng_SESState_Uls_M_enum    | SES_EXITING  | SES_EXITING    | ~      |

| Test Step 2.2 (Repeat Count = 1)         |              |                |       |
|--|--------------|----------------|-------|
| Name                                     | Input Value  |                |       |
| EOTActuatorMng_OutputRampMultLtd_M_f32   | 0.699000001  |                |       |
| EOTActuatorMng_SESState_Uls_M_enum       | SES_NORMAL   |                |       |
| EOTDet_Cnt_T_lgc                         | 1            |                |       |
| EOTDisable_Cnt_T_lgc                     | 0            |                |       |
| FiltHwTrq_HwNm_T_f32                     | 10           |                |       |
| HandWheelAuth_Uls_T_f32                  | 0.94999988   |                |       |
| HandWheelPos_HwDeg_T_f32                 | 1250.31995   |                |       |
| LimitPosition_HwDeg_T_f32                | -1200.05005  |                |       |
| VehicleSpeed_Kph_T_f32                   | 30.3540001   |                |       |
| k_EOTActiveRegionBypassMaxThresh_Uls_f32 | 0.677999973  |                |       |
| k_EOTDeltaTrqThrsh_HwNm_u9p7             | 1280         |                |       |
| k_EOTDynConf_Uls_u8p8                    | 51           |                |       |
| k_EOTImpSpdEn_Kph_u9p7                   | 5504         |                |       |
| t2_EOTEnterGainX_HwDeg_u12p4[0][0]       | 160          |                |       |
| t2_EOTEnterGainX_HwDeg_u12p4[0][1]       | 320          |                |       |
| t2_EOTEnterGainX_HwDeg_u12p4[0][2]       | 480          |                |       |
| t2_EOTEnterGainX_HwDeg_u12p4[0][3]       | 640          |                |       |
| t2_EOTEnterGainX_HwDeg_u12p4[1][0]       | 496          |                |       |
| t2_EOTEnterGainX_HwDeg_u12p4[1][1]       | 1472         |                |       |
| t2_EOTEnterGainX_HwDeg_u12p4[1][2]       | 1488         |                |       |
| t2_EOTEnterGainX_HwDeg_u12p4[1][3]       | 1504         |                |       |
| t2_EOTEnterGainX_HwDeg_u12p4[2][0]       | 1136         |                |       |
| t2_EOTEnterGainX_HwDeg_u12p4[2][1]       | 3392         |                |       |
| t2_EOTEnterGainX_HwDeg_u12p4[2][2]       | 3408         |                |       |
| t2_EOTEnterGainX_HwDeg_u12p4[2][3]       | 3424         |                |       |
| t2_EOTEnterGainX_HwDeg_u12p4[3][0]       | 1776         |                |       |
| t2_EOTEnterGainX_HwDeg_u12p4[3][1]       | 5312         |                |       |
| t2_EOTEnterGainX_HwDeg_u12p4[3][2]       | 5328         |                |       |
| t2_EOTEnterGainX_HwDeg_u12p4[3][3]       | 5344         |                |       |
| t2_EOTPosDepDmpTblX_HwDeg_u12p4[0][0]    | 48           |                |       |
| t2_EOTPosDepDmpTblX_HwDeg_u12p4[0][1]    | 96           |                |       |
| t2_EOTPosDepDmpTblX_HwDeg_u12p4[1][0]    | 480          |                |       |
| t2_EOTPosDepDmpTblX_HwDeg_u12p4[1][1]    | 1136         |                |       |
| t2_EOTPosDepDmpTblX_HwDeg_u12p4[2][0]    | 656          |                |       |
| t2_EOTPosDepDmpTbIX_HwDeg_u12p4[2][1]    | 1040         |                |       |
| t2_EOTPosDepDmpTbIX_HwDeg_u12p4[3][0]    | 672          |                |       |
| t2_EOTPosDepDmpTbIX_HwDeg_u12p4[3][1]    | 4032         |                |       |
| t_EOTEnterGainVspd_Kph_u9p7[0]           | 2688         |                |       |
| t_EOTEnterGainVspd_Kph_u9p7[1]           | 7936         |                |       |
| t_EOTEnterGainVspd_Kph_u9p7[2]           | 8064         |                |       |
| t_EOTEnterGainVspd_Kph_u9p7[3]           | 8192         |                |       |
| Name                                     | Actual Value | Expected Value | Resul |
| EOTActuatorMng_SESState_Uls_M_enum       | SES NORMAL   | SES NORMAL     | 11000 |

| Test Step 2.3 (Repeat Count = 1)       | <b>✓</b>     |
|--|--------------|
| Name                                   | Input Value  |
| EOTActuatorMng_OutputRampMultLtd_M_f32 | 0.883000016  |
| EOTActuatorMng_SESState_Uls_M_enum     | SES_ENTERING |
| EOTDet_Cnt_T_lgc                       | 1            |

2015-06-29, 18:49:35+0530



| Name                                     | Input Value  |                |        |
|--|--------------|----------------|--------|
| EOTDisable_Cnt_T_lgc                     | 0            |                |        |
| FiltHwTrq_HwNm_T_f32                     | 0            |                |        |
| HandWheelAuth_Uls_T_f32                  | 0.83999974   |                |        |
| HandWheelPos_HwDeg_T_f32                 | 1155.84998   |                |        |
| LimitPosition_HwDeg_T_f32                | 1200.35999   |                |        |
| VehicleSpeed_Kph_T_f32                   | 36.1500015   |                |        |
| k_EOTActiveRegionBypassMaxThresh_Uls_f32 | 0.633000016  |                |        |
| k_EOTDeltaTrqThrsh_HwNm_u9p7             | 896          |                |        |
| k_EOTDynConf_Uls_u8p8                    | 102          |                |        |
| k_EOTImpSpdEn_Kph_u9p7                   | 5632         |                |        |
| t2_EOTEnterGainX_HwDeg_u12p4[0][0]       | 800          |                |        |
| t2_EOTEnterGainX_HwDeg_u12p4[0][1]       | 960          |                |        |
| t2_EOTEnterGainX_HwDeg_u12p4[0][2]       | 1120         |                |        |
| t2_EOTEnterGainX_HwDeg_u12p4[0][3]       | 1280         |                |        |
| t2_EOTEnterGainX_HwDeg_u12p4[1][0]       | 512          |                |        |
| t2_EOTEnterGainX_HwDeg_u12p4[1][1]       | 1520         |                |        |
| t2_EOTEnterGainX_HwDeg_u12p4[1][2]       | 1536         |                |        |
| t2_EOTEnterGainX_HwDeg_u12p4[1][3]       | 1552         |                |        |
| t2_EOTEnterGainX_HwDeg_u12p4[2][0]       | 1152         |                |        |
| t2_EOTEnterGainX_HwDeg_u12p4[2][1]       | 3440         |                |        |
| t2_EOTEnterGainX_HwDeg_u12p4[2][2]       | 3456         |                |        |
| t2_EOTEnterGainX_HwDeg_u12p4[2][3]       | 3472         |                |        |
| t2_EOTEnterGainX_HwDeg_u12p4[3][0]       | 1792         |                |        |
| t2_EOTEnterGainX_HwDeg_u12p4[3][1]       | 5360         |                |        |
| t2_EOTEnterGainX_HwDeg_u12p4[3][2]       | 5376         |                |        |
| t2_EOTEnterGainX_HwDeg_u12p4[3][3]       | 5392         |                |        |
| t2_EOTPosDepDmpTblX_HwDeg_u12p4[0][0]    | 80           |                |        |
| t2_EOTPosDepDmpTblX_HwDeg_u12p4[0][1]    | 112          |                |        |
| t2_EOTPosDepDmpTblX_HwDeg_u12p4[1][0]    | 512          |                |        |
| t2_EOTPosDepDmpTblX_HwDeg_u12p4[1][1]    | 1152         |                |        |
| t2_EOTPosDepDmpTblX_HwDeg_u12p4[2][0]    | 672          |                |        |
| t2_EOTPosDepDmpTblX_HwDeg_u12p4[2][1]    | 1056         |                |        |
| t2_EOTPosDepDmpTblX_HwDeg_u12p4[3][0]    | 704          |                |        |
| t2_EOTPosDepDmpTblX_HwDeg_u12p4[3][1]    | 4048         |                |        |
| t_EOTEnterGainVspd_Kph_u9p7[0]           | 2816         |                |        |
| t_EOTEnterGainVspd_Kph_u9p7[1]           | 8320         |                |        |
| t_EOTEnterGainVspd_Kph_u9p7[2]           | 8448         |                |        |
| t_EOTEnterGainVspd_Kph_u9p7[3]           | 8576         |                |        |
| Name                                     | Actual Value | Expected Value | Result |
| EOTActuatorMng_SESState_Uls_M_enum       | SES_ENTERING | SES_ENTERING   | ~      |

| EOTActuatorMng_OutputRampMultLtd_M_f32 0.                   |            |
|---|------------|
| EOTActuatorMng_SESState_Uls_M_enum SI<br>EOTDet_Cnt_T_lgc 1 | SES_NORMAL |
| EOTDet_Cnt_T_lgc 1  |            |
|   |            |
| FOTDisable Cnt T lac  |            |
| LOTDISABIC_OTILIT_IGC                                       | .0999999   |
| FiltHwTrq_HwNm_T_f32 5.                                     |            |
| HandWheelAuth_Uls_T_f32 0.                                  | .850000024 |
| HandWheelPos_HwDeg_T_f32                                    | 150.70996  |
| LimitPosition_HwDeg_T_f32                                   | 000.53998  |
| VehicleSpeed_Kph_T_f32 39                                   | 9.7859993  |
| k_EOTActiveRegionBypassMaxThresh_Uls_f32 0.                 | .284000009 |
| k_EOTDeltaTrqThrsh_HwNm_u9p7 76                             | 68         |
| k_EOTDynConf_Uls_u8p8                                       | 54         |
| k_EOTImpSpdEn_Kph_u9p7 57                                   | 760        |
| t2_EOTEnterGainX_HwDeg_u12p4[0][0]                          | 440        |
| t2_EOTEnterGainX_HwDeg_u12p4[0][1]                          | 600        |
| t2_EOTEnterGainX_HwDeg_u12p4[0][2]                          | 760        |
| t2_EOTEnterGainX_HwDeg_u12p4[0][3]                          | 920        |
| t2_EOTEnterGainX_HwDeg_u12p4[1][0] 52                       | 28         |
| t2_EOTEnterGainX_HwDeg_u12p4[1][1]                          | 568        |
| t2_EOTEnterGainX_HwDeg_u12p4[1][2]                          | 584        |
| t2_EOTEnterGainX_HwDeg_u12p4[1][3]                          | 600        |
| t2_EOTEnterGainX_HwDeg_u12p4[2][0]                          | 168        |
| t2_EOTEnterGainX_HwDeg_u12p4[2][1] 34                       | 488        |
| t2_EOTEnterGainX_HwDeg_u12p4[2][2] 35                       | 504        |
| t2_EOTEnterGainX_HwDeg_u12p4[2][3] 35                       | 520        |
| t2_EOTEnterGainX_HwDeg_u12p4[3][0]                          | 808        |
| t2_EOTEnterGainX_HwDeg_u12p4[3][1] 54                       | 408        |
| t2_EOTEnterGainX_HwDeg_u12p4[3][2] 54                       | 424        |

2015-06-29, 18:49:35+0530



| Name                                  | Input Value  |                |        |
|---------------------------------------|--------------|----------------|--------|
| t2_EOTEnterGainX_HwDeg_u12p4[3][3]    | 5440         |                |        |
| t2_EOTPosDepDmpTblX_HwDeg_u12p4[0][0] | 112          |                |        |
| t2_EOTPosDepDmpTblX_HwDeg_u12p4[0][1] | 128          |                |        |
| t2_EOTPosDepDmpTblX_HwDeg_u12p4[1][0] | 544          |                |        |
| t2_EOTPosDepDmpTblX_HwDeg_u12p4[1][1] | 1168         |                |        |
| t2_EOTPosDepDmpTblX_HwDeg_u12p4[2][0] | 688          |                |        |
| t2_EOTPosDepDmpTblX_HwDeg_u12p4[2][1] | 1072         |                |        |
| t2_EOTPosDepDmpTblX_HwDeg_u12p4[3][0] | 784          |                |        |
| t2_EOTPosDepDmpTblX_HwDeg_u12p4[3][1] | 4064         |                |        |
| t_EOTEnterGainVspd_Kph_u9p7[0]        | 2944         |                |        |
| t_EOTEnterGainVspd_Kph_u9p7[1]        | 8704         |                |        |
| t_EOTEnterGainVspd_Kph_u9p7[2]        | 8832         |                |        |
| t_EOTEnterGainVspd_Kph_u9p7[3]        | 8960         |                |        |
| Name                                  | Actual Value | Expected Value | Result |
| EOTActuatorMng_SESState_Uls_M_enum    | SES_NORMAL   | SES_NORMAL     | ~      |

| Test Step 2.5 (Repeat Count = 1)         |              |                | ✓      |
|--|--------------|----------------|--------|
| Name                                     | Input Value  |                |        |
| EOTActuatorMng_OutputRampMultLtd_M_f32   | 0.949999988  |                |        |
| EOTActuatorMng_SESState_Uls_M_enum       | SES_ENTERING |                |        |
| EOTDet_Cnt_T_lgc                         | 1            |                |        |
| EOTDisable_Cnt_T_lgc                     | 0            |                |        |
| FiltHwTrq_HwNm_T_f32                     | -5.0999999   |                |        |
| HandWheelAuth_UIs_T_f32                  | 0.860000014  |                |        |
| HandWheelPos_HwDeg_T_f32                 | 1300.31995   |                |        |
| LimitPosition_HwDeg_T_f32                | 1300.78003   |                |        |
| VehicleSpeed_Kph_T_f32                   | 41.6139984   |                |        |
| k_EOTActiveRegionBypassMaxThresh_Uls_f32 | 0.81099999   |                |        |
| k_EOTDeltaTrqThrsh_HwNm_u9p7             | 640          |                |        |
| k_EOTDynConf_Uls_u8p8                    | 77           |                |        |
| k_EOTImpSpdEn_Kph_u9p7                   | 5888         |                |        |
| t2_EOTEnterGainX_HwDeg_u12p4[0][0]       | 0            |                |        |
| t2_EOTEnterGainX_HwDeg_u12p4[0][1]       | 96           |                |        |
| t2_EOTEnterGainX_HwDeg_u12p4[0][2]       | 160          |                |        |
| t2_EOTEnterGainX_HwDeg_u12p4[0][3]       | 352          |                |        |
| t2_EOTEnterGainX_HwDeg_u12p4[1][0]       | 544          |                |        |
| t2_EOTEnterGainX_HwDeg_u12p4[1][1]       | 1616         |                |        |
| t2_EOTEnterGainX_HwDeg_u12p4[1][2]       | 1632         |                |        |
| t2_EOTEnterGainX_HwDeg_u12p4[1][3]       | 1648         |                |        |
| t2_EOTEnterGainX_HwDeg_u12p4[2][0]       | 1184         |                |        |
| t2_EOTEnterGainX_HwDeg_u12p4[2][1]       | 3536         |                |        |
| t2_EOTEnterGainX_HwDeg_u12p4[2][2]       | 3552         |                |        |
| t2_EOTEnterGainX_HwDeg_u12p4[2][3]       | 3568         |                |        |
| t2_EOTEnterGainX_HwDeg_u12p4[3][0]       | 1824         |                |        |
| t2_EOTEnterGainX_HwDeg_u12p4[3][1]       | 5456         |                |        |
| t2_EOTEnterGainX_HwDeg_u12p4[3][2]       | 5472         |                |        |
| t2_EOTEnterGainX_HwDeg_u12p4[3][3]       | 5488         |                |        |
| t2_EOTPosDepDmpTblX_HwDeg_u12p4[0][0]    | 144          |                |        |
| t2_EOTPosDepDmpTblX_HwDeg_u12p4[0][1]    | 304          |                |        |
| t2_EOTPosDepDmpTblX_HwDeg_u12p4[1][0]    | 576          |                |        |
| t2_EOTPosDepDmpTblX_HwDeg_u12p4[1][1]    | 1184         |                |        |
| t2_EOTPosDepDmpTblX_HwDeg_u12p4[2][0]    | 704          |                |        |
| t2_EOTPosDepDmpTblX_HwDeg_u12p4[2][1]    | 1088         |                |        |
| t2_EOTPosDepDmpTblX_HwDeg_u12p4[3][0]    | 768          |                |        |
| t2_EOTPosDepDmpTblX_HwDeg_u12p4[3][1]    | 4080         |                |        |
| t_EOTEnterGainVspd_Kph_u9p7[0]           | 3072         |                |        |
| t_EOTEnterGainVspd_Kph_u9p7[1]           | 9088         |                |        |
| t_EOTEnterGainVspd_Kph_u9p7[2]           | 9216         |                |        |
| t_EOTEnterGainVspd_Kph_u9p7[3]           | 9344         |                |        |
| Name                                     | Actual Value | Expected Value | Result |
| EOTActuatorMng_SESState_Uls_M_enum       | SES_EXITING  | SES_EXITING    | ~      |

| Test Step 2.6 (Repeat Count = 1)       |              | <b>✓</b> |
|--|--------------|----------|
| Name                                   | Input Value  |          |
| EOTActuatorMng_OutputRampMultLtd_M_f32 | 0.616999984  |          |
| EOTActuatorMng_SESState_Uls_M_enum     | SES_ENTERING |          |
| EOTDet_Cnt_T_lgc                       | 1            |          |
| EOTDisable_Cnt_T_lgc                   | 0            |          |

SES\_StateCtrl

2015-06-29, 18:49:35+0530



| Name                                     | Input Value  |                |        |
|--|--------------|----------------|--------|
| FiltHwTrq_HwNm_T_f32                     | 1.21000004   |                |        |
| HandWheelAuth_Uls_T_f32                  | 0.89999976   |                |        |
| HandWheelPos_HwDeg_T_f32                 | 150.610001   |                |        |
| LimitPosition_HwDeg_T_f32                | -1440.10999  |                |        |
| VehicleSpeed_Kph_T_f32                   | 28.9740009   |                |        |
| k_EOTActiveRegionBypassMaxThresh_Uls_f32 | 0.344000012  |                |        |
| k_EOTDeltaTrqThrsh_HwNm_u9p7             | 512          |                |        |
| k_EOTDynConf_Uls_u8p8                    | 205          |                |        |
| k_EOTImpSpdEn_Kph_u9p7                   | 6016         |                |        |
| t2_EOTEnterGainX_HwDeg_u12p4[0][0]       | 160          |                |        |
| t2_EOTEnterGainX_HwDeg_u12p4[0][1]       | 336          |                |        |
| t2_EOTEnterGainX_HwDeg_u12p4[0][2]       | 480          |                |        |
| t2_EOTEnterGainX_HwDeg_u12p4[0][3]       | 656          |                |        |
| t2_EOTEnterGainX_HwDeg_u12p4[1][0]       | 560          |                |        |
| t2_EOTEnterGainX_HwDeg_u12p4[1][1]       | 1664         |                |        |
| t2_EOTEnterGainX_HwDeg_u12p4[1][2]       | 1680         |                |        |
| t2_EOTEnterGainX_HwDeg_u12p4[1][3]       | 1696         |                |        |
| t2_EOTEnterGainX_HwDeg_u12p4[2][0]       | 1200         |                |        |
| t2_EOTEnterGainX_HwDeg_u12p4[2][1]       | 3584         |                |        |
| t2_EOTEnterGainX_HwDeg_u12p4[2][2]       | 3600         |                |        |
| t2_EOTEnterGainX_HwDeg_u12p4[2][3]       | 3616         |                |        |
| t2_EOTEnterGainX_HwDeg_u12p4[3][0]       | 1840         |                |        |
| t2_EOTEnterGainX_HwDeg_u12p4[3][1]       | 5504         |                |        |
| t2_EOTEnterGainX_HwDeg_u12p4[3][2]       | 5520         |                |        |
| t2_EOTEnterGainX_HwDeg_u12p4[3][3]       | 5536         |                |        |
| t2_EOTPosDepDmpTblX_HwDeg_u12p4[0][0]    | 128          |                |        |
| t2_EOTPosDepDmpTblX_HwDeg_u12p4[0][1]    | 160          |                |        |
| t2_EOTPosDepDmpTblX_HwDeg_u12p4[1][0]    | 608          |                |        |
| t2_EOTPosDepDmpTbIX_HwDeg_u12p4[1][1]    | 1200         |                |        |
| t2_EOTPosDepDmpTblX_HwDeg_u12p4[2][0]    | 720          |                |        |
| t2_EOTPosDepDmpTblX_HwDeg_u12p4[2][1]    | 1104         |                |        |
| t2_EOTPosDepDmpTblX_HwDeg_u12p4[3][0]    | 800          |                |        |
| t2_EOTPosDepDmpTblX_HwDeg_u12p4[3][1]    | 4096         |                |        |
| t_EOTEnterGainVspd_Kph_u9p7[0]           | 3200         |                |        |
| t_EOTEnterGainVspd_Kph_u9p7[1]           | 9472         |                |        |
| t_EOTEnterGainVspd_Kph_u9p7[2]           | 9600         |                |        |
| t_EOTEnterGainVspd_Kph_u9p7[3]           | 9728         |                |        |
| Name                                     | Actual Value | Expected Value | Result |
| EOTActuatorMng_SESState_Uls_M_enum       | SES_NORMAL   | SES_NORMAL     | ~      |

| Took Ston 2.7 (Depost Count = 4)         |             |
|--|-------------|
| Test Step 2.7 (Repeat Count = 1)         |             |
| Name                                     | Input Value |
| EOTActuatorMng_OutputRampMultLtd_M_f32   | 0.245000005 |
| EOTActuatorMng_SESState_Uls_M_enum       | SES_NORMAL  |
| EOTDet_Cnt_T_lgc                         | 1           |
| EOTDisable_Cnt_T_lgc                     | 0           |
| FiltHwTrq_HwNm_T_f32                     | -1.53999996 |
| HandWheelAuth_Uls_T_f32                  | 0.889999986 |
| HandWheelPos_HwDeg_T_f32                 | -250.279999 |
| LimitPosition_HwDeg_T_f32                | 1440.10999  |
| VehicleSpeed_Kph_T_f32                   | 12.1540003  |
| k_EOTActiveRegionBypassMaxThresh_Uls_f32 | 0.660000026 |
| k_EOTDeltaTrqThrsh_HwNm_u9p7             | 384         |
| k_EOTDynConf_Uls_u8p8                    | 128         |
| k_EOTImpSpdEn_Kph_u9p7                   | 6144        |
| t2_EOTEnterGainX_HwDeg_u12p4[0][0]       | 800         |
| t2_EOTEnterGainX_HwDeg_u12p4[0][1]       | 960         |
| t2_EOTEnterGainX_HwDeg_u12p4[0][2]       | 1152        |
| t2_EOTEnterGainX_HwDeg_u12p4[0][3]       | 1296        |
| t2_EOTEnterGainX_HwDeg_u12p4[1][0]       | 576         |
| t2_EOTEnterGainX_HwDeg_u12p4[1][1]       | 1712        |
| t2_EOTEnterGainX_HwDeg_u12p4[1][2]       | 1728        |
| t2_EOTEnterGainX_HwDeg_u12p4[1][3]       | 1744        |
| t2_EOTEnterGainX_HwDeg_u12p4[2][0]       | 1216        |
| t2_EOTEnterGainX_HwDeg_u12p4[2][1]       | 3632        |
| t2_EOTEnterGainX_HwDeg_u12p4[2][2]       | 3648        |
| t2_EOTEnterGainX_HwDeg_u12p4[2][3]       | 3664        |
| t2_EOTEnterGainX_HwDeg_u12p4[3][0]       | 1856        |
| t2_EOTEnterGainX_HwDeg_u12p4[3][1]       | 5552        |
| t2_EOTEnterGainX_HwDeg_u12p4[3][2]       | 5568        |
| t2_EOTEnterGainX_HwDeg_u12p4[3][3]       | 5584        |

2015-06-29, 18:49:35+0530



| Name                                  | Input Value  |                |        |
|---------------------------------------|--------------|----------------|--------|
| t2_EOTPosDepDmpTblX_HwDeg_u12p4[0][0] | 112          |                |        |
| t2_EOTPosDepDmpTblX_HwDeg_u12p4[0][1] | 176          |                |        |
| t2_EOTPosDepDmpTblX_HwDeg_u12p4[1][0] | 640          |                |        |
| t2_EOTPosDepDmpTblX_HwDeg_u12p4[1][1] | 1216         |                |        |
| t2_EOTPosDepDmpTblX_HwDeg_u12p4[2][0] | 736          |                |        |
| t2_EOTPosDepDmpTblX_HwDeg_u12p4[2][1] | 1120         |                |        |
| t2_EOTPosDepDmpTblX_HwDeg_u12p4[3][0] | 832          |                |        |
| t2_EOTPosDepDmpTblX_HwDeg_u12p4[3][1] | 4112         |                |        |
| t_EOTEnterGainVspd_Kph_u9p7[0]        | 3328         |                |        |
| t_EOTEnterGainVspd_Kph_u9p7[1]        | 9856         |                |        |
| t_EOTEnterGainVspd_Kph_u9p7[2]        | 9984         |                |        |
| t_EOTEnterGainVspd_Kph_u9p7[3]        | 10112        |                |        |
| Name                                  | Actual Value | Expected Value | Result |
| EOTActuatorMng_SESState_Uls_M_enum    | SES_NORMAL   | SES_NORMAL     | ~      |

| Test Step 2.8 (Repeat Count = 1)         |              |                | <b>→</b> |
|--|--------------|----------------|----------|
| Name                                     | Input Value  |                |          |
| EOTActuatorMng_OutputRampMultLtd_M_f32   | 0.853999972  |                |          |
| EOTActuatorMng_SESState_Uls_M_enum       | SES_ENTERING |                |          |
| EOTDet_Cnt_T_lgc                         | 1            |                |          |
| EOTDisable_Cnt_T_lgc                     | 0            |                |          |
| FiltHwTrq_HwNm_T_f32                     | 2.8499999    |                |          |
| HandWheelAuth_Uls_T_f32                  | 0.87999995   |                |          |
| HandWheelPos_HwDeg_T_f32                 | 250.740005   |                |          |
| LimitPosition_HwDeg_T_f32                | 0            |                |          |
| VehicleSpeed_Kph_T_f32                   | 16.0540009   |                |          |
| k_EOTActiveRegionBypassMaxThresh_Uls_f32 | 0.734000027  |                |          |
| k_EOTDeltaTrqThrsh_HwNm_u9p7             | 256          |                |          |
| k_EOTDynConf_Uls_u8p8                    | 26           |                |          |
| k_EOTImpSpdEn_Kph_u9p7                   | 6272         |                |          |
| t2_EOTEnterGainX_HwDeg_u12p4[0][0]       | 1440         |                |          |
| t2_EOTEnterGainX_HwDeg_u12p4[0][1]       | 1632         |                |          |
| t2_EOTEnterGainX_HwDeg_u12p4[0][2]       | 1776         |                |          |
| t2_EOTEnterGainX_HwDeg_u12p4[0][3]       | 2400         |                |          |
| t2_EOTEnterGainX_HwDeg_u12p4[1][0]       | 592          |                |          |
| t2_EOTEnterGainX_HwDeg_u12p4[1][1]       | 1760         |                |          |
| t2_EOTEnterGainX_HwDeg_u12p4[1][2]       | 1776         |                |          |
| t2_EOTEnterGainX_HwDeg_u12p4[1][3]       | 1792         |                |          |
| t2_EOTEnterGainX_HwDeg_u12p4[2][0]       | 1232         |                |          |
| t2_EOTEnterGainX_HwDeg_u12p4[2][1]       | 3680         |                |          |
| t2_EOTEnterGainX_HwDeg_u12p4[2][2]       | 3696         |                |          |
| t2_EOTEnterGainX_HwDeg_u12p4[2][3]       | 3712         |                |          |
| t2_EOTEnterGainX_HwDeg_u12p4[3][0]       | 1872         |                |          |
| t2_EOTEnterGainX_HwDeg_u12p4[3][1]       | 5600         |                |          |
| t2_EOTEnterGainX_HwDeg_u12p4[3][2]       | 5616         |                |          |
| t2_EOTEnterGainX_HwDeg_u12p4[3][3]       | 5632         |                |          |
| t2_EOTPosDepDmpTblX_HwDeg_u12p4[0][0]    | 96           |                |          |
| t2_EOTPosDepDmpTblX_HwDeg_u12p4[0][1]    | 192          |                |          |
| t2_EOTPosDepDmpTblX_HwDeg_u12p4[1][0]    | 672          |                |          |
| t2_EOTPosDepDmpTblX_HwDeg_u12p4[1][1]    | 1232         |                |          |
| t2_EOTPosDepDmpTblX_HwDeg_u12p4[2][0]    | 752          |                |          |
| t2_EOTPosDepDmpTblX_HwDeg_u12p4[2][1]    | 1136         |                |          |
| t2_EOTPosDepDmpTblX_HwDeg_u12p4[3][0]    | 864          |                |          |
| t2_EOTPosDepDmpTblX_HwDeg_u12p4[3][1]    | 4128         |                |          |
| t_EOTEnterGainVspd_Kph_u9p7[0]           | 3456         |                |          |
| t_EOTEnterGainVspd_Kph_u9p7[1]           | 10240        |                |          |
| t_EOTEnterGainVspd_Kph_u9p7[2]           | 10368        |                |          |
| t_EOTEnterGainVspd_Kph_u9p7[3]           | 10496        |                |          |
| Name                                     | Actual Value | Expected Value | Result   |
| EOTActuatorMng_SESState_Uls_M_enum       | SES ENTERING | SES ENTERING   |          |

| Test Step 2.9 (Repeat Count = 1)       |             | <b>✓</b> |
|--|-------------|----------|
| Name                                   | Input Value |          |
| EOTActuatorMng_OutputRampMultLtd_M_f32 | 0.204999998 |          |
| EOTActuatorMng_SESState_Uls_M_enum     | SES_NORMAL  |          |
| EOTDet_Cnt_T_lgc                       | 1           |          |
| EOTDisable_Cnt_T_lgc                   | 0           |          |
| FiltHwTrq_HwNm_T_f32                   | -2.3599999  |          |

2015-06-29, 18:49:35+0530



| Name                                     | Input Value  |                |        |
|--|--------------|----------------|--------|
| HandWheelAuth_Uls_T_f32                  | 0.87000005   |                |        |
| HandWheelPos_HwDeg_T_f32                 | -350.609985  |                |        |
| LimitPosition_HwDeg_T_f32                | -1000.09998  |                |        |
| VehicleSpeed_Kph_T_f32                   | 18.1560001   |                |        |
| k_EOTActiveRegionBypassMaxThresh_Uls_f32 | 0.093999968  |                |        |
| k_EOTDeltaTrqThrsh_HwNm_u9p7             | 128          |                |        |
| k_EOTDynConf_Uls_u8p8                    | 51           |                |        |
| k_EOTImpSpdEn_Kph_u9p7                   | 6400         |                |        |
| t2_EOTEnterGainX_HwDeg_u12p4[0][0]       | 0            |                |        |
| t2_EOTEnterGainX_HwDeg_u12p4[0][1]       | 64           |                |        |
| t2_EOTEnterGainX_HwDeg_u12p4[0][2]       | 160          |                |        |
| t2_EOTEnterGainX_HwDeg_u12p4[0][3]       | 368          |                |        |
| t2_EOTEnterGainX_HwDeg_u12p4[1][0]       | 608          |                |        |
| t2_EOTEnterGainX_HwDeg_u12p4[1][1]       | 1808         |                |        |
| t2_EOTEnterGainX_HwDeg_u12p4[1][2]       | 1824         |                |        |
| t2_EOTEnterGainX_HwDeg_u12p4[1][3]       | 1840         |                |        |
| t2_EOTEnterGainX_HwDeg_u12p4[2][0]       | 1248         |                |        |
| t2_EOTEnterGainX_HwDeg_u12p4[2][1]       | 3728         |                |        |
| t2_EOTEnterGainX_HwDeg_u12p4[2][2]       | 3744         |                |        |
| t2_EOTEnterGainX_HwDeg_u12p4[2][3]       | 3760         |                |        |
| t2_EOTEnterGainX_HwDeg_u12p4[3][0]       | 1888         |                |        |
| t2_EOTEnterGainX_HwDeg_u12p4[3][1]       | 5648         |                |        |
| t2_EOTEnterGainX_HwDeg_u12p4[3][2]       | 5664         |                |        |
| t2_EOTEnterGainX_HwDeg_u12p4[3][3]       | 5680         |                |        |
| t2_EOTPosDepDmpTblX_HwDeg_u12p4[0][0]    | 80           |                |        |
| t2_EOTPosDepDmpTblX_HwDeg_u12p4[0][1]    | 208          |                |        |
| t2_EOTPosDepDmpTblX_HwDeg_u12p4[1][0]    | 704          |                |        |
| t2_EOTPosDepDmpTblX_HwDeg_u12p4[1][1]    | 1248         |                |        |
| t2_EOTPosDepDmpTblX_HwDeg_u12p4[2][0]    | 768          |                |        |
| t2_EOTPosDepDmpTblX_HwDeg_u12p4[2][1]    | 1152         |                |        |
| t2_EOTPosDepDmpTblX_HwDeg_u12p4[3][0]    | 896          |                |        |
| t2_EOTPosDepDmpTblX_HwDeg_u12p4[3][1]    | 4144         |                |        |
| t_EOTEnterGainVspd_Kph_u9p7[0]           | 3584         |                |        |
| t_EOTEnterGainVspd_Kph_u9p7[1]           | 10624        |                |        |
| t_EOTEnterGainVspd_Kph_u9p7[2]           | 10752        |                |        |
| t_EOTEnterGainVspd_Kph_u9p7[3]           | 10880        |                |        |
| Name                                     | Actual Value | Expected Value | Result |
| EOTActuatorMng_SESState_Uls_M_enum       | SES_NORMAL   | SES_NORMAL     | •      |
|  |              |                |        |

| Test Step 2.10 (Repeat Count = 1)        | <b>✓</b>     |
|--|--------------|
| Name                                     | Input Value  |
| EOTActuatorMng_OutputRampMultLtd_M_f32   | 0.388999999  |
| EOTActuatorMng_SESState_Uls_M_enum       | SES_ENTERING |
| EOTDet_Cnt_T_lgc                         | 1            |
| EOTDisable_Cnt_T_lgc                     | 0            |
| FiltHwTrq_HwNm_T_f32                     | 3.45000005   |
| HandWheelAuth_Uls_T_f32                  | 0.850000024  |
| HandWheelPos_HwDeg_T_f32                 | 350.970001   |
| LimitPosition_HwDeg_T_f32                | 1000.09998   |
| VehicleSpeed_Kph_T_f32                   | 22.7579994   |
| k_EOTActiveRegionBypassMaxThresh_Uls_f32 | 0.075000003  |
| k_EOTDeltaTrqThrsh_HwNm_u9p7             | 1152         |
| k_EOTDynConf_Uls_u8p8                    | 77           |
| k_EOTImpSpdEn_Kph_u9p7                   | 6528         |
| t2_EOTEnterGainX_HwDeg_u12p4[0][0]       | 160          |
| t2_EOTEnterGainX_HwDeg_u12p4[0][1]       | 352          |
| t2_EOTEnterGainX_HwDeg_u12p4[0][2]       | 480          |
| t2_EOTEnterGainX_HwDeg_u12p4[0][3]       | 720          |
| t2_EOTEnterGainX_HwDeg_u12p4[1][0]       | 624          |
| t2_EOTEnterGainX_HwDeg_u12p4[1][1]       | 1856         |
| t2_EOTEnterGainX_HwDeg_u12p4[1][2]       | 1872         |
| t2_EOTEnterGainX_HwDeg_u12p4[1][3]       | 1888         |
| t2_EOTEnterGainX_HwDeg_u12p4[2][0]       | 1264         |
| t2_EOTEnterGainX_HwDeg_u12p4[2][1]       | 3776         |
| t2_EOTEnterGainX_HwDeg_u12p4[2][2]       | 3792         |
| t2_EOTEnterGainX_HwDeg_u12p4[2][3]       | 3808         |
| t2_EOTEnterGainX_HwDeg_u12p4[3][0]       | 1904         |
| t2_EOTEnterGainX_HwDeg_u12p4[3][1]       | 5696         |
| t2_EOTEnterGainX_HwDeg_u12p4[3][2]       | 5712         |
| t2_EOTEnterGainX_HwDeg_u12p4[3][3]       | 5728         |
| t2_EOTPosDepDmpTblX_HwDeg_u12p4[0][0]    | 64           |

2015-06-29, 18:49:35+0530



| Name                                  | Input Value  |                |        |
|---------------------------------------|--------------|----------------|--------|
| t2_EOTPosDepDmpTblX_HwDeg_u12p4[0][1] | 224          |                |        |
| t2_EOTPosDepDmpTblX_HwDeg_u12p4[1][0] | 736          |                |        |
| t2_EOTPosDepDmpTblX_HwDeg_u12p4[1][1] | 1264         |                |        |
| t2_EOTPosDepDmpTblX_HwDeg_u12p4[2][0] | 784          |                |        |
| t2_EOTPosDepDmpTblX_HwDeg_u12p4[2][1] | 1168         |                |        |
| t2_EOTPosDepDmpTblX_HwDeg_u12p4[3][0] | 928          |                |        |
| t2_EOTPosDepDmpTblX_HwDeg_u12p4[3][1] | 4160         |                |        |
| t_EOTEnterGainVspd_Kph_u9p7[0]        | 3712         |                |        |
| t_EOTEnterGainVspd_Kph_u9p7[1]        | 11008        |                |        |
| t_EOTEnterGainVspd_Kph_u9p7[2]        | 11136        |                |        |
| t_EOTEnterGainVspd_Kph_u9p7[3]        | 11264        |                |        |
| Name                                  | Actual Value | Expected Value | Result |
| EOTActuatorMng_SESState_Uls_M_enum    | SES_NORMAL   | SES_NORMAL     | ~      |

| Test Step 2.11 (Repeat Count = 1)        |              |                | <b>✓</b> |
|--|--------------|----------------|----------|
| Name                                     | Input Value  |                |          |
| EOTActuatorMng OutputRampMultLtd M f32   | 0.157000005  |                |          |
| EOTActuatorMng SESState Uls M enum       | SES NORMAL   |                |          |
| EOTDet Cnt T Igc                         | 1            |                |          |
| EOTDisable_Cnt_T_lgc                     | 0            |                |          |
| FiltHwTrg HwNm T f32                     | -3.1500001   |                |          |
| HandWheelAuth Uls T f32                  | 0.959999979  |                |          |
| HandWheelPos HwDeg T f32                 | -1440.10999  |                |          |
| LimitPosition HwDeg T f32                | -1100.84998  |                |          |
| VehicleSpeed_Kph_T_f32                   | 27.0450001   |                |          |
| k EOTActiveRegionBypassMaxThresh Uls f32 | 0.595000029  |                |          |
| k_EOTDeltaTrqThrsh_HwNm_u9p7             | 1024         |                |          |
| k_EOTDynConf_Uls_u8p8                    | 230          |                |          |
| k_EOTImpSpdEn_Kph_u9p7                   | 6656         |                |          |
| t2_EOTEnterGainX_HwDeg_u12p4[0][0]       | 800          |                |          |
| t2_EOTEnterGainX_HwDeg_u12p4[0][1]       | 960          |                |          |
| t2_EOTEnterGainX_HwDeg_u12p4[0][2]       | 1120         |                |          |
| t2 EOTEnterGainX HwDeg u12p4[0][3]       | 1280         |                |          |
| t2_EOTEnterGainX_HwDeg_u12p4[1][0]       | 640          |                |          |
| t2_EOTEnterGainX_HwDeg_u12p4[1][1]       | 1904         |                |          |
| t2_EOTEnterGainX_HwDeg_u12p4[1][2]       | 1920         |                |          |
| t2_EOTEnterGainX_HwDeg_u12p4[1][3]       | 1936         |                |          |
| t2_EOTEnterGainX_HwDeg_u12p4[2][0]       | 1280         |                |          |
| t2_EOTEnterGainX_HwDeg_u12p4[2][1]       | 3824         |                |          |
| t2_EOTEnterGainX_HwDeg_u12p4[2][2]       | 3840         |                |          |
| t2_EOTEnterGainX_HwDeg_u12p4[2][3]       | 3856         |                |          |
| t2_EOTEnterGainX_HwDeg_u12p4[3][0]       | 1920         |                |          |
| t2_EOTEnterGainX_HwDeg_u12p4[3][1]       | 5744         |                |          |
| t2_EOTEnterGainX_HwDeg_u12p4[3][2]       | 5760         |                |          |
| t2_EOTEnterGainX_HwDeg_u12p4[3][3]       | 5776         |                |          |
| t2_EOTPosDepDmpTblX_HwDeg_u12p4[0][0]    | 48           |                |          |
| t2_EOTPosDepDmpTblX_HwDeg_u12p4[0][1]    | 240          |                |          |
| t2_EOTPosDepDmpTblX_HwDeg_u12p4[1][0]    | 768          |                |          |
| t2_EOTPosDepDmpTblX_HwDeg_u12p4[1][1]    | 1280         |                |          |
| t2_EOTPosDepDmpTblX_HwDeg_u12p4[2][0]    | 800          |                |          |
| t2_EOTPosDepDmpTblX_HwDeg_u12p4[2][1]    | 1184         |                |          |
| t2_EOTPosDepDmpTblX_HwDeg_u12p4[3][0]    | 800          |                |          |
| t2_EOTPosDepDmpTblX_HwDeg_u12p4[3][1]    | 4176         |                |          |
| t_EOTEnterGainVspd_Kph_u9p7[0]           | 3840         |                |          |
| t_EOTEnterGainVspd_Kph_u9p7[1]           | 11392        |                |          |
| t_EOTEnterGainVspd_Kph_u9p7[2]           | 11520        |                |          |
| t_EOTEnterGainVspd_Kph_u9p7[3]           | 11648        |                |          |
| Name                                     | Actual Value | Expected Value | Result   |
| EOTActuatorMng_SESState_Uls_M_enum       | SES_NORMAL   | SES_NORMAL     | ~        |

| Test Step 2.12 (Repeat Count = 1)      | <b>✓</b>     |
|--|--------------|
| Name                                   | Input Value  |
| EOTActuatorMng_OutputRampMultLtd_M_f32 | 0.321999997  |
| EOTActuatorMng_SESState_Uls_M_enum     | SES_ENTERING |
| EOTDet_Cnt_T_lgc                       | 1            |
| EOTDisable_Cnt_T_lgc                   | 0            |
| FiltHwTrq_HwNm_T_f32                   | 4.98000002   |
| HandWheelAuth_Uls_T_f32                | 0.970000029  |

t2\_EOTPosDepDmpTblX\_HwDeg\_u12p4[1][1]

 $t2\_EOTPosDepDmpTblX\_HwDeg\_u12p4[2][0]$ 

t2\_EOTPosDepDmpTblX\_HwDeg\_u12p4[2][1]

 $t2\_EOTPosDepDmpTblX\_HwDeg\_u12p4[3][0]$ 

t2\_EOTPosDepDmpTblX\_HwDeg\_u12p4[3][1]

t\_EOTEnterGainVspd\_Kph\_u9p7[0]

t\_EOTEnterGainVspd\_Kph\_u9p7[1] t\_EOTEnterGainVspd\_Kph\_u9p7[2]

t\_EOTEnterGainVspd\_Kph\_u9p7[3]

EOTActuatorMng\_SESState\_Uls\_M\_enum

SES StateCtrl

2015-06-29, 18:49:35+0530



Name Input Value HandWheelPos\_HwDeg\_T\_f32 1440.10999 LimitPosition\_HwDeg\_T\_f32 900.450012 VehicleSpeed\_Kph\_T\_f32 11.0539999 k\_EOTActiveRegionBypassMaxThresh\_Uls\_f32 0.0869999975 k EOTDeltaTrqThrsh\_HwNm\_u9p7 896 k\_EOTDynConf\_Uls\_u8p8 246 k\_EOTImpSpdEn\_Kph\_u9p7 6784 1440 t2\_EOTEnterGainX\_HwDeg\_u12p4[0][0] t2\_EOTEnterGainX\_HwDeg\_u12p4[0][1] 1920 1760 t2\_EOTEnterGainX\_HwDeg\_u12p4[0][2] t2\_EOTEnterGainX\_HwDeg\_u12p4[0][3] 2000 t2\_EOTEnterGainX\_HwDeg\_u12p4[1][0] 656 t2\_EOTEnterGainX\_HwDeg\_u12p4[1][1] 1952 t2\_EOTEnterGainX\_HwDeg\_u12p4[1][2] 1968 t2\_EOTEnterGainX\_HwDeg\_u12p4[1][3] 1984 1296 t2\_EOTEnterGainX\_HwDeg\_u12p4[2][0] t2\_EOTEnterGainX\_HwDeg\_u12p4[2][1] 3872 t2\_EOTEnterGainX\_HwDeg\_u12p4[2][2] 3888 t2\_EOTEnterGainX\_HwDeg\_u12p4[2][3] 3904 t2\_EOTEnterGainX\_HwDeg\_u12p4[3][0] 1936 t2\_EOTEnterGainX\_HwDeg\_u12p4[3][1] 5792 t2\_EOTEnterGainX\_HwDeg\_u12p4[3][2] 5808 t2\_EOTEnterGainX\_HwDeg\_u12p4[3][3] 5824 t2\_EOTPosDepDmpTblX\_HwDeg\_u12p4[0][0] 32 t2\_EOTPosDepDmpTblX\_HwDeg\_u12p4[0][1] 256 t2\_EOTPosDepDmpTblX\_HwDeg\_u12p4[1][0] 800

1296

816

1200

816

4192

3968 11776

11904

12032 Actual Value

SES\_ENTERING

**Expected Value** 

SES\_ENTERING

| Test Step 2.13 (Repeat Count = 1)        |               |
|--|---------------|
| Name                                     | Input Value   |
| EOTActuatorMng_OutputRampMultLtd_M_f32   | 0.247999996   |
| EOTActuatorMng_SESState_Uls_M_enum       | SES_NORMAL    |
| EOTDet_Cnt_T_lgc                         | 1             |
| EOTDisable_Cnt_T_lgc                     | 0             |
| FiltHwTrq_HwNm_T_f32                     | -4.71999979   |
| HandWheelAuth_Uls_T_f32                  | 0.94999988    |
| HandWheelPos_HwDeg_T_f32                 | 0             |
| LimitPosition_HwDeg_T_f32                | -900.390015   |
| VehicleSpeed_Kph_T_f32                   | 14.1269999    |
| k_EOTActiveRegionBypassMaxThresh_Uls_f32 | 0.00899999961 |
| k_EOTDeltaTrqThrsh_HwNm_u9p7             | 768           |
| k_EOTDynConf_Uls_u8p8                    | 236           |
| k_EOTImpSpdEn_Kph_u9p7                   | 6912          |
| t2_EOTEnterGainX_HwDeg_u12p4[0][0]       | 0             |
| t2_EOTEnterGainX_HwDeg_u12p4[0][1]       | 80            |
| t2_EOTEnterGainX_HwDeg_u12p4[0][2]       | 160           |
| t2_EOTEnterGainX_HwDeg_u12p4[0][3]       | 320           |
| t2_EOTEnterGainX_HwDeg_u12p4[1][0]       | 672           |
| t2_EOTEnterGainX_HwDeg_u12p4[1][1]       | 2000          |
| t2_EOTEnterGainX_HwDeg_u12p4[1][2]       | 2016          |
| t2_EOTEnterGainX_HwDeg_u12p4[1][3]       | 2032          |
| t2_EOTEnterGainX_HwDeg_u12p4[2][0]       | 1312          |
| t2_EOTEnterGainX_HwDeg_u12p4[2][1]       | 3920          |
| t2_EOTEnterGainX_HwDeg_u12p4[2][2]       | 3936          |
| t2_EOTEnterGainX_HwDeg_u12p4[2][3]       | 3952          |
| t2_EOTEnterGainX_HwDeg_u12p4[3][0]       | 1952          |
| t2_EOTEnterGainX_HwDeg_u12p4[3][1]       | 5840          |
| t2_EOTEnterGainX_HwDeg_u12p4[3][2]       | 5856          |
| t2_EOTEnterGainX_HwDeg_u12p4[3][3]       | 5872          |
| t2_EOTPosDepDmpTblX_HwDeg_u12p4[0][0]    | 16            |
|  |               |

272

t2\_EOTPosDepDmpTblX\_HwDeg\_u12p4[0][1]

2015-06-29, 18:49:35+0530



| Name                                  | Input Value  |                |        |
|---------------------------------------|--------------|----------------|--------|
| t2_EOTPosDepDmpTblX_HwDeg_u12p4[1][0] | 832          |                |        |
| t2_EOTPosDepDmpTblX_HwDeg_u12p4[1][1] | 1312         |                |        |
| t2_EOTPosDepDmpTblX_HwDeg_u12p4[2][0] | 832          |                |        |
| t2_EOTPosDepDmpTblX_HwDeg_u12p4[2][1] | 1216         |                |        |
| t2_EOTPosDepDmpTblX_HwDeg_u12p4[3][0] | 864          |                |        |
| t2_EOTPosDepDmpTblX_HwDeg_u12p4[3][1] | 4208         |                |        |
| t_EOTEnterGainVspd_Kph_u9p7[0]        | 4096         |                |        |
| t_EOTEnterGainVspd_Kph_u9p7[1]        | 12160        |                |        |
| t_EOTEnterGainVspd_Kph_u9p7[2]        | 12288        |                |        |
| t_EOTEnterGainVspd_Kph_u9p7[3]        | 12416        |                |        |
| Name                                  | Actual Value | Expected Value | Result |
| EOTActuatorMng_SESState_Uls_M_enum    | SES_NORMAL   | SES_NORMAL     | ~      |

| Test Step 2.14 (Repeat Count = 1)        |              |                | <b>✓</b> |
|--|--------------|----------------|----------|
| Name                                     | Input Value  |                |          |
| EOTActuatorMng_OutputRampMultLtd_M_f32   | 0.643999994  |                |          |
| EOTActuatorMng SESState Uls M enum       | SES ENTERING |                |          |
| EOTDet Cnt T Igc                         | 1            |                |          |
| EOTDisable Cnt T lgc                     | 0            |                |          |
| FiltHwTrg HwNm T f32                     | 6.25         |                |          |
| HandWheelAuth Uls T f32                  | 0.980000019  |                |          |
| HandWheelPos HwDeg T f32                 | -900.099976  |                |          |
| LimitPosition HwDeg T f32                | 800.469971   |                |          |
| VehicleSpeed Kph T f32                   | 15.0539999   |                |          |
| k EOTActiveRegionBypassMaxThresh Uls f32 | 0.395999998  |                |          |
| k EOTDeltaTrgThrsh HwNm u9p7             | 640          |                |          |
| k_EOTDynConf_Uls_u8p8                    | 233          |                |          |
| k_EOTImpSpdEn_Kph_u9p7                   | 7040         |                |          |
| t2_EOTEnterGainX_HwDeg_u12p4[0][0]       | 160          |                |          |
| t2_EOTEnterGainX_HwDeg_u12p4[0][1]       | 352          |                |          |
| t2_EOTEnterGainX_HwDeg_u12p4[0][2]       | 480          |                |          |
| t2_EOTEnterGainX_HwDeg_u12p4[0][3]       | 704          |                |          |
| t2_EOTEnterGainX_HwDeg_u12p4[1][0]       | 688          |                |          |
| t2_EOTEnterGainX_HwDeg_u12p4[1][1]       | 2048         |                |          |
| t2_EOTEnterGainX_HwDeg_u12p4[1][2]       | 2064         |                |          |
| t2_EOTEnterGainX_HwDeg_u12p4[1][3]       | 2080         |                |          |
| t2_EOTEnterGainX_HwDeg_u12p4[2][0]       | 1328         |                |          |
| t2_EOTEnterGainX_HwDeg_u12p4[2][1]       | 3968         |                |          |
| t2_EOTEnterGainX_HwDeg_u12p4[2][2]       | 3984         |                |          |
| t2_EOTEnterGainX_HwDeg_u12p4[2][3]       | 4000         |                |          |
| t2_EOTEnterGainX_HwDeg_u12p4[3][0]       | 1968         |                |          |
| t2_EOTEnterGainX_HwDeg_u12p4[3][1]       | 5888         |                |          |
| t2_EOTEnterGainX_HwDeg_u12p4[3][2]       | 5904         |                |          |
| t2_EOTEnterGainX_HwDeg_u12p4[3][3]       | 5920         |                |          |
| t2_EOTPosDepDmpTblX_HwDeg_u12p4[0][0]    | 0            |                |          |
| t2_EOTPosDepDmpTblX_HwDeg_u12p4[0][1]    | 288          |                |          |
| t2_EOTPosDepDmpTblX_HwDeg_u12p4[1][0]    | 864          |                |          |
| t2_EOTPosDepDmpTblX_HwDeg_u12p4[1][1]    | 1328         |                |          |
| t2_EOTPosDepDmpTblX_HwDeg_u12p4[2][0]    | 848          |                |          |
| t2_EOTPosDepDmpTblX_HwDeg_u12p4[2][1]    | 1232         |                |          |
| t2_EOTPosDepDmpTblX_HwDeg_u12p4[3][0]    | 896          |                |          |
| t2_EOTPosDepDmpTblX_HwDeg_u12p4[3][1]    | 4224         |                |          |
| t_EOTEnterGainVspd_Kph_u9p7[0]           | 4224         |                |          |
| t_EOTEnterGainVspd_Kph_u9p7[1]           | 12544        |                |          |
| t_EOTEnterGainVspd_Kph_u9p7[2]           | 12672        |                |          |
| t_EOTEnterGainVspd_Kph_u9p7[3]           | 12800        |                |          |
| Name                                     | Actual Value | Expected Value | Result   |
| EOTActuatorMng_SESState_Uls_M_enum       | SES_ENTERING | SES_ENTERING   | ~        |

| Test Step 2.15 (Repeat Count = 1)      | <b>→</b>    |
|--|-------------|
| Name                                   | Input Value |
| EOTActuatorMng_OutputRampMultLtd_M_f32 | 0.688000023 |
| EOTActuatorMng_SESState_Uls_M_enum     | SES_NORMAL  |
| EOTDet_Cnt_T_lgc                       | 1           |
| EOTDisable_Cnt_T_lgc                   | 0           |
| FiltHwTrq_HwNm_T_f32                   | -6.15999985 |
| HandWheelAuth_Uls_T_f32                | 0.910000026 |
| HandWheelPos_HwDeg_T_f32               | 900.099976  |

2015-06-29, 18:49:35+0530



| Name                                     | Input Value  |                |          |
|--|--------------|----------------|----------|
| LimitPosition_HwDeg_T_f32                | -800.450012  |                |          |
| VehicleSpeed_Kph_T_f32                   | 16.0340004   |                |          |
| k_EOTActiveRegionBypassMaxThresh_Uls_f32 | 0.331        |                |          |
| k_EOTDeltaTrqThrsh_HwNm_u9p7             | 512          |                |          |
| k_EOTDynConf_Uls_u8p8                    | 230          |                |          |
| k_EOTImpSpdEn_Kph_u9p7                   | 7168         |                |          |
| t2_EOTEnterGainX_HwDeg_u12p4[0][0]       | 800          |                |          |
| t2_EOTEnterGainX_HwDeg_u12p4[0][1]       | 960          |                |          |
| t2_EOTEnterGainX_HwDeg_u12p4[0][2]       | 1120         |                |          |
| t2_EOTEnterGainX_HwDeg_u12p4[0][3]       | 1280         |                |          |
| t2_EOTEnterGainX_HwDeg_u12p4[1][0]       | 704          |                |          |
| t2_EOTEnterGainX_HwDeg_u12p4[1][1]       | 2096         |                |          |
| t2_EOTEnterGainX_HwDeg_u12p4[1][2]       | 2112         |                |          |
| t2_EOTEnterGainX_HwDeg_u12p4[1][3]       | 2128         |                |          |
| t2_EOTEnterGainX_HwDeg_u12p4[2][0]       | 1344         |                |          |
| t2_EOTEnterGainX_HwDeg_u12p4[2][1]       | 4016         |                |          |
| t2_EOTEnterGainX_HwDeg_u12p4[2][2]       | 4032         |                |          |
| t2_EOTEnterGainX_HwDeg_u12p4[2][3]       | 4048         |                |          |
| t2_EOTEnterGainX_HwDeg_u12p4[3][0]       | 1984         |                |          |
| t2_EOTEnterGainX_HwDeg_u12p4[3][1]       | 5936         |                |          |
| t2_EOTEnterGainX_HwDeg_u12p4[3][2]       | 5952         |                |          |
| t2_EOTEnterGainX_HwDeg_u12p4[3][3]       | 5968         |                |          |
| t2_EOTPosDepDmpTblX_HwDeg_u12p4[0][0]    | 144          |                |          |
| t2_EOTPosDepDmpTblX_HwDeg_u12p4[0][1]    | 304          |                |          |
| t2_EOTPosDepDmpTblX_HwDeg_u12p4[1][0]    | 896          |                |          |
| t2_EOTPosDepDmpTblX_HwDeg_u12p4[1][1]    | 1344         |                |          |
| t2_EOTPosDepDmpTblX_HwDeg_u12p4[2][0]    | 864          |                |          |
| t2_EOTPosDepDmpTblX_HwDeg_u12p4[2][1]    | 1248         |                |          |
| t2_EOTPosDepDmpTblX_HwDeg_u12p4[3][0]    | 928          |                |          |
| t2_EOTPosDepDmpTblX_HwDeg_u12p4[3][1]    | 4240         |                |          |
| t_EOTEnterGainVspd_Kph_u9p7[0]           | 4352         |                |          |
| t_EOTEnterGainVspd_Kph_u9p7[1]           | 12928        |                |          |
| t_EOTEnterGainVspd_Kph_u9p7[2]           | 13056        |                |          |
| t_EOTEnterGainVspd_Kph_u9p7[3]           | 13184        |                |          |
| Name                                     | Actual Value | Expected Value | Result   |
| EOTActuatorMng_SESState_Uls_M_enum       | SES_EXITING  | SES_EXITING    | <b>✓</b> |

| Test Step 2.16 (Repeat Count = 1)        | <b>✓</b>     |
|--|--------------|
| Name                                     | Input Value  |
| EOTActuatorMng_OutputRampMultLtd_M_f32   | 0.177000001  |
| EOTActuatorMng_SESState_Uls_M_enum       | SES_ENTERING |
| EOTDet_Cnt_T_lgc                         | 0            |
| EOTDisable_Cnt_T_lgc                     | 1            |
| FiltHwTrq_HwNm_T_f32                     | 7.88999987   |
| HandWheelAuth_Uls_T_f32                  | 0            |
| HandWheelPos_HwDeg_T_f32                 | 400.809998   |
| LimitPosition_HwDeg_T_f32                | 700.869995   |
| VehicleSpeed_Kph_T_f32                   | 18.0473003   |
| k_EOTActiveRegionBypassMaxThresh_Uls_f32 | 0.0540000014 |
| k_EOTDeltaTrqThrsh_HwNm_u9p7             | 384          |
| k_EOTDynConf_Uls_u8p8                    | 32000        |
| k_EOTImpSpdEn_Kph_u9p7                   | 7296         |
| t2_EOTEnterGainX_HwDeg_u12p4[0][0]       | 1440         |
| t2_EOTEnterGainX_HwDeg_u12p4[0][1]       | 1616         |
| t2_EOTEnterGainX_HwDeg_u12p4[0][2]       | 1760         |
| t2_EOTEnterGainX_HwDeg_u12p4[0][3]       | 2000         |
| t2_EOTEnterGainX_HwDeg_u12p4[1][0]       | 720          |
| t2_EOTEnterGainX_HwDeg_u12p4[1][1]       | 2144         |
| t2_EOTEnterGainX_HwDeg_u12p4[1][2]       | 2160         |
| t2_EOTEnterGainX_HwDeg_u12p4[1][3]       | 2176         |
| t2_EOTEnterGainX_HwDeg_u12p4[2][0]       | 1360         |
| t2_EOTEnterGainX_HwDeg_u12p4[2][1]       | 4064         |
| t2_EOTEnterGainX_HwDeg_u12p4[2][2]       | 4080         |
| t2_EOTEnterGainX_HwDeg_u12p4[2][3]       | 4096         |
| t2_EOTEnterGainX_HwDeg_u12p4[3][0]       | 2000         |
| t2_EOTEnterGainX_HwDeg_u12p4[3][1]       | 5984         |
| t2_EOTEnterGainX_HwDeg_u12p4[3][2]       | 6000         |
| t2_EOTEnterGainX_HwDeg_u12p4[3][3]       | 6016         |
| t2_EOTPosDepDmpTblX_HwDeg_u12p4[0][0]    | 128          |
| t2_EOTPosDepDmpTblX_HwDeg_u12p4[0][1]    | 320          |
| t2_EOTPosDepDmpTblX_HwDeg_u12p4[1][0]    | 928          |

2015-06-29, 18:49:35+0530



| Name                                  | Input Value  |                |        |
|---------------------------------------|--------------|----------------|--------|
| t2_EOTPosDepDmpTblX_HwDeg_u12p4[1][1] | 1360         |                |        |
| t2_EOTPosDepDmpTblX_HwDeg_u12p4[2][0] | 880          |                |        |
| t2_EOTPosDepDmpTblX_HwDeg_u12p4[2][1] | 1264         |                |        |
| t2_EOTPosDepDmpTblX_HwDeg_u12p4[3][0] | 800          |                |        |
| t2_EOTPosDepDmpTblX_HwDeg_u12p4[3][1] | 4256         |                |        |
| t_EOTEnterGainVspd_Kph_u9p7[0]        | 4480         |                |        |
| t_EOTEnterGainVspd_Kph_u9p7[1]        | 13312        |                |        |
| t_EOTEnterGainVspd_Kph_u9p7[2]        | 13440        |                |        |
| t_EOTEnterGainVspd_Kph_u9p7[3]        | 13568        |                |        |
| Name                                  | Actual Value | Expected Value | Result |
| EOTActuatorMng_SESState_Uls_M_enum    | SES_DISABLED | SES_DISABLED   | ~      |

| Test Step 2.17 (Repeat Count = 1)        |              |                | ✓                                     |
|--|--------------|----------------|---------------------------------------|
| Name                                     | Input Value  |                |                                       |
| EOTActuatorMng_OutputRampMultLtd_M_f32   | 0.014000004  |                |                                       |
| EOTActuatorMng SESState Uls M enum       | SES NORMAL   |                |                                       |
| EOTDet Cnt T Igc                         | 0            |                |                                       |
| EOTDisable Cnt T Igc                     | 1            |                |                                       |
| FiltHwTrg HwNm T f32                     | -7.86999989  |                |                                       |
| HandWheelAuth Uls T f32                  | 1            |                |                                       |
| HandWheelPos HwDeg T f32                 | 422.070007   |                |                                       |
| LimitPosition HwDeg T f32                | -700.23999   |                |                                       |
| VehicleSpeed Kph T f32                   | 20.5639992   |                |                                       |
| k EOTActiveRegionBypassMaxThresh Uls f32 | 0.38899999   |                |                                       |
| k EOTDeltaTrqThrsh HwNm u9p7             | 256          |                |                                       |
| k EOTDynConf Uls u8p8                    | 51200        |                |                                       |
| k EOTImpSpdEn Kph u9p7                   | 7424         |                |                                       |
| t2 EOTEnterGainX HwDeg u12p4[0][0]       | 0            |                |                                       |
| t2 EOTEnterGainX HwDeg u12p4[0][1]       | 80           |                |                                       |
| t2 EOTEnterGainX HwDeg u12p4[0][2]       | 160          |                |                                       |
| t2 EOTEnterGainX HwDeg u12p4[0][3]       | 320          |                |                                       |
| t2 EOTEnterGainX HwDeg u12p4[1][0]       | 736          |                |                                       |
| t2 EOTEnterGainX HwDeg u12p4[1][1]       | 2192         |                |                                       |
| t2 EOTEnterGainX HwDeg u12p4[1][2]       | 2208         |                |                                       |
| t2 EOTEnterGainX HwDeg u12p4[1][3]       | 2224         |                |                                       |
| t2_EOTEnterGainX_HwDeg_u12p4[2][0]       | 1376         |                |                                       |
| t2_EOTEnterGainX_HwDeg_u12p4[2][1]       | 4112         |                |                                       |
| t2 EOTEnterGainX HwDeg u12p4[2][2]       | 4128         |                |                                       |
| t2_EOTEnterGainX_HwDeg_u12p4[2][3]       | 4144         |                |                                       |
| t2_EOTEnterGainX_HwDeg_u12p4[3][0]       | 2016         |                |                                       |
| t2_EOTEnterGainX_HwDeg_u12p4[3][1]       | 6032         |                |                                       |
| t2_EOTEnterGainX_HwDeg_u12p4[3][2]       | 6048         |                |                                       |
| t2_EOTEnterGainX_HwDeg_u12p4[3][3]       | 6064         |                |                                       |
| t2_EOTPosDepDmpTblX_HwDeg_u12p4[0][0]    | 112          |                |                                       |
| t2_EOTPosDepDmpTblX_HwDeg_u12p4[0][1]    | 336          |                |                                       |
| t2_EOTPosDepDmpTblX_HwDeg_u12p4[1][0]    | 960          |                |                                       |
| t2_EOTPosDepDmpTblX_HwDeg_u12p4[1][1]    | 1376         |                |                                       |
| t2_EOTPosDepDmpTblX_HwDeg_u12p4[2][0]    | 896          |                |                                       |
| t2_EOTPosDepDmpTblX_HwDeg_u12p4[2][1]    | 1280         |                |                                       |
| t2_EOTPosDepDmpTblX_HwDeg_u12p4[3][0]    | 832          |                |                                       |
| t2_EOTPosDepDmpTblX_HwDeg_u12p4[3][1]    | 4272         |                |                                       |
| t_EOTEnterGainVspd_Kph_u9p7[0]           | 4608         |                |                                       |
| t_EOTEnterGainVspd_Kph_u9p7[1]           | 13696        |                |                                       |
| t_EOTEnterGainVspd_Kph_u9p7[2]           | 13824        |                |                                       |
| t_EOTEnterGainVspd_Kph_u9p7[3]           | 13952        |                |                                       |
| Name                                     | Actual Value | Expected Value | Result                                |
| EOTActuatorMng_SESState_Uls_M_enum       | SES DISABLED | SES DISABLED   | · · · · · · · · · · · · · · · · · · · |
|  |              |                |                                       |

| Test Step 2.18 (Repeat Count = 1)      |              | <b>✓</b> |
|--|--------------|----------|
| Name                                   | Input Value  |          |
| EOTActuatorMng_OutputRampMultLtd_M_f32 | 0.577000022  |          |
| EOTActuatorMng_SESState_Uls_M_enum     | SES_ENTERING |          |
| EOTDet_Cnt_T_lgc                       | 1            |          |
| EOTDisable_Cnt_T_lgc                   | 0            |          |
| FiltHwTrq_HwNm_T_f32                   | 8.64999962   |          |
| HandWheelAuth_Uls_T_f32                | 0.823400021  |          |
| HandWheelPos_HwDeg_T_f32               | 555.340027   |          |
| LimitPosition_HwDeg_T_f32              | 600.150024   |          |

2015-06-29, 18:49:35+0530



| Name                                     | Input Value  |                |          |
|--|--------------|----------------|----------|
| VehicleSpeed_Kph_T_f32                   | 25.4990005   |                |          |
| k_EOTActiveRegionBypassMaxThresh_Uls_f32 | 0.995000005  |                |          |
| k_EOTDeltaTrqThrsh_HwNm_u9p7             | 128          |                |          |
| k_EOTDynConf_Uls_u8p8                    | 3072         |                |          |
| k_EOTImpSpdEn_Kph_u9p7                   | 7552         |                |          |
| t2_EOTEnterGainX_HwDeg_u12p4[0][0]       | 192          |                |          |
| t2_EOTEnterGainX_HwDeg_u12p4[0][1]       | 352          |                |          |
| t2_EOTEnterGainX_HwDeg_u12p4[0][2]       | 480          |                |          |
| t2_EOTEnterGainX_HwDeg_u12p4[0][3]       | 672          |                |          |
| t2_EOTEnterGainX_HwDeg_u12p4[1][0]       | 752          |                |          |
| t2_EOTEnterGainX_HwDeg_u12p4[1][1]       | 2240         |                |          |
| t2_EOTEnterGainX_HwDeg_u12p4[1][2]       | 2256         |                |          |
| t2_EOTEnterGainX_HwDeg_u12p4[1][3]       | 2272         |                |          |
| t2_EOTEnterGainX_HwDeg_u12p4[2][0]       | 1392         |                |          |
| t2_EOTEnterGainX_HwDeg_u12p4[2][1]       | 4160         |                |          |
| t2_EOTEnterGainX_HwDeg_u12p4[2][2]       | 4176         |                |          |
| t2_EOTEnterGainX_HwDeg_u12p4[2][3]       | 4192         |                |          |
| t2_EOTEnterGainX_HwDeg_u12p4[3][0]       | 2032         |                |          |
| t2_EOTEnterGainX_HwDeg_u12p4[3][1]       | 6080         |                |          |
| t2_EOTEnterGainX_HwDeg_u12p4[3][2]       | 6096         |                |          |
| t2_EOTEnterGainX_HwDeg_u12p4[3][3]       | 6112         |                |          |
| t2_EOTPosDepDmpTblX_HwDeg_u12p4[0][0]    | 96           |                |          |
| t2_EOTPosDepDmpTblX_HwDeg_u12p4[0][1]    | 352          |                |          |
| t2_EOTPosDepDmpTblX_HwDeg_u12p4[1][0]    | 992          |                |          |
| t2_EOTPosDepDmpTblX_HwDeg_u12p4[1][1]    | 1392         |                |          |
| t2_EOTPosDepDmpTblX_HwDeg_u12p4[2][0]    | 912          |                |          |
| t2_EOTPosDepDmpTblX_HwDeg_u12p4[2][1]    | 1296         |                |          |
| t2_EOTPosDepDmpTblX_HwDeg_u12p4[3][0]    | 864          |                |          |
| t2_EOTPosDepDmpTblX_HwDeg_u12p4[3][1]    | 4288         |                |          |
| t_EOTEnterGainVspd_Kph_u9p7[0]           | 4736         |                |          |
| t_EOTEnterGainVspd_Kph_u9p7[1]           | 14080        |                |          |
| t_EOTEnterGainVspd_Kph_u9p7[2]           | 14208        |                |          |
| t_EOTEnterGainVspd_Kph_u9p7[3]           | 14336        |                |          |
| Name                                     | Actual Value | Expected Value | Result   |
| EOTActuatorMng_SESState_Uls_M_enum       | SES_DISABLED | SES_DISABLED   | <b>✓</b> |

| Test Step 2.19 (Repeat Count = 1)   |             |
|---|-------------|
| Name  | Input Value |
| EOTActuatorMng OutputRampMultLtd M f32                                      | 0.83999974  |
| EOTActuatorMng_Cutput/camp/wattate_w_152 EOTActuatorMng SESState Uls M enum | SES NORMAL  |
| EOTActidatorining_SESState_ois_in/_entitin                                  | 1           |
| EOTDisable_Cnt_T_lgc  | 0           |
| FiltHwTrq HwNm T f32  | -8.36999989 |
| HandWheelAuth Uls T f32   | 0.89999976  |
| HandWheelPos HwDeg T f32  | 578.140015  |
| LimitPosition HwDeg T f32   | -600.869995 |
| VehicleSpeed Kph T f32  | 0           |
| k EOTActiveRegionBypassMaxThresh UIs f32                                    | 0.20999993  |
| k_EOTDeltaTrqThrsh_HwNm_u9p7  | 1152        |
| k_EOTDynConf_Uls_u8p8   | 223         |
| k EOTImpSpdEn Kph u9p7  | 7680        |
| t2 EOTEnterGainX HwDeg u12p4[0][0]  | 832         |
| t2 EOTEnterGainX HwDeg u12p4[0][1]  | 1008        |
| t2 EOTEnterGainX HwDeg u12p4[0][2]  | 1184        |
| t2 EOTEnterGainX HwDeg u12p4[0][3]  | 1360        |
| t2 EOTEnterGainX HwDeg u12p4[1][0]  | 768         |
| t2_EOTEnterGainX_HwDeg_u12p4[1][1]  | 2288        |
| t2_EOTEnterGainX_HwDeg_u12p4[1][2]  | 2304        |
| t2 EOTEnterGainX HwDeg u12p4[1][3]  | 2320        |
| t2 EOTEnterGainX HwDeg u12p4[2][0]  | 1408        |
| t2 EOTEnterGainX HwDeg u12p4[2][1]  | 4208        |
| t2 EOTEnterGainX HwDeg u12p4[2][2]  | 4224        |
| t2_EOTEnterGainX_HwDeg_u12p4[2][3]  | 4240        |
| t2_EOTEnterGainX_HwDeg_u12p4[3][0]  | 2048        |
| t2_EOTEnterGainX_HwDeg_u12p4[3][1]  | 6128        |
| t2_EOTEnterGainX_HwDeg_u12p4[3][2]  | 6144        |
| t2_EOTEnterGainX_HwDeg_u12p4[3][3]  | 6160        |
| t2_EOTPosDepDmpTblX_HwDeg_u12p4[0][0]                                       | 80          |
| t2_EOTPosDepDmpTblX_HwDeg_u12p4[0][1]                                       | 368         |
| t2_EOTPosDepDmpTblX_HwDeg_u12p4[1][0]                                       | 1024        |
| t2_EOTPosDepDmpTbIX_HwDeg_u12p4[1][1]                                       | 1408        |

2015-06-29, 18:49:35+0530



| Name                                  | Input Value  |                |        |
|---------------------------------------|--------------|----------------|--------|
| t2_EOTPosDepDmpTblX_HwDeg_u12p4[2][0] | 928          |                |        |
| t2_EOTPosDepDmpTblX_HwDeg_u12p4[2][1] | 1312         |                |        |
| t2_EOTPosDepDmpTblX_HwDeg_u12p4[3][0] | 896          |                |        |
| t2_EOTPosDepDmpTblX_HwDeg_u12p4[3][1] | 4304         |                |        |
| t_EOTEnterGainVspd_Kph_u9p7[0]        | 4864         |                |        |
| t_EOTEnterGainVspd_Kph_u9p7[1]        | 14464        |                |        |
| t_EOTEnterGainVspd_Kph_u9p7[2]        | 14592        |                |        |
| t_EOTEnterGainVspd_Kph_u9p7[3]        | 14720        |                |        |
| Name                                  | Actual Value | Expected Value | Result |
| EOTActuatorMng_SESState_Uls_M_enum    | SES_NORMAL   | SES_NORMAL     | ~      |

SES\_StateCtrl

2015-06-29, 18:49:35+0530



| Name                                     | Input Value  |                |          |
|--|--------------|----------------|----------|
| k_EOTActiveRegionBypassMaxThresh_Uls_f32 | 0.0430000015 |                |          |
| k_EOTDeltaTrqThrsh_HwNm_u9p7             | 896          |                |          |
| k_EOTDynConf_Uls_u8p8                    | 233          |                |          |
| k_EOTImpSpdEn_Kph_u9p7                   | 7936         |                |          |
| t2_EOTEnterGainX_HwDeg_u12p4[0][0]       | 0            |                |          |
| t2_EOTEnterGainX_HwDeg_u12p4[0][1]       | 96           |                |          |
| t2_EOTEnterGainX_HwDeg_u12p4[0][2]       | 192          |                |          |
| t2_EOTEnterGainX_HwDeg_u12p4[0][3]       | 400          |                |          |
| t2_EOTEnterGainX_HwDeg_u12p4[1][0]       | 800          |                |          |
| t2_EOTEnterGainX_HwDeg_u12p4[1][1]       | 2384         |                |          |
| t2_EOTEnterGainX_HwDeg_u12p4[1][2]       | 2400         |                |          |
| t2_EOTEnterGainX_HwDeg_u12p4[1][3]       | 2416         |                |          |
| t2_EOTEnterGainX_HwDeg_u12p4[2][0]       | 1440         |                |          |
| t2_EOTEnterGainX_HwDeg_u12p4[2][1]       | 4304         |                |          |
| t2_EOTEnterGainX_HwDeg_u12p4[2][2]       | 4320         |                |          |
| t2_EOTEnterGainX_HwDeg_u12p4[2][3]       | 4336         |                |          |
| t2_EOTEnterGainX_HwDeg_u12p4[3][0]       | 2080         |                |          |
| t2_EOTEnterGainX_HwDeg_u12p4[3][1]       | 6224         |                |          |
| t2_EOTEnterGainX_HwDeg_u12p4[3][2]       | 6240         |                |          |
| t2_EOTEnterGainX_HwDeg_u12p4[3][3]       | 6256         |                |          |
| t2_EOTPosDepDmpTblX_HwDeg_u12p4[0][0]    | 48           |                |          |
| t2_EOTPosDepDmpTblX_HwDeg_u12p4[0][1]    | 400          |                |          |
| t2_EOTPosDepDmpTblX_HwDeg_u12p4[1][0]    | 560          |                |          |
| t2_EOTPosDepDmpTblX_HwDeg_u12p4[1][1]    | 720          |                |          |
| t2_EOTPosDepDmpTblX_HwDeg_u12p4[2][0]    | 960          |                |          |
| t2_EOTPosDepDmpTblX_HwDeg_u12p4[2][1]    | 1344         |                |          |
| t2_EOTPosDepDmpTblX_HwDeg_u12p4[3][0]    | 848          |                |          |
| t2_EOTPosDepDmpTblX_HwDeg_u12p4[3][1]    | 4336         |                |          |
| t_EOTEnterGainVspd_Kph_u9p7[0]           | 5120         |                |          |
| t_EOTEnterGainVspd_Kph_u9p7[1]           | 15232        |                |          |
| t_EOTEnterGainVspd_Kph_u9p7[2]           | 15360        |                |          |
| t_EOTEnterGainVspd_Kph_u9p7[3]           | 15488        |                |          |
| Name                                     | Actual Value | Expected Value | Result   |
| EOTActuatorMng_SESState_Uls_M_enum       | SES_EXITING  | SES_EXITING    | <b>✓</b> |
|  |              |                |          |

| Test Step 2.22 (Repeat Count = 1)        | ✓ • • • • • • • • • • • • • • • • • • • |
|--|---|
| Name                                     | Input Value                             |
| EOTActuatorMng_OutputRampMultLtd_M_f32   | 0.748000026                             |
| EOTActuatorMng_SESState_Uls_M_enum       | SES_ENTERING                            |
| EOTDet_Cnt_T_lgc                         | 0                                       |
| EOTDisable_Cnt_T_lgc                     | 0                                       |
| FiltHwTrq_HwNm_T_f32                     | 6.9400006                               |
| HandWheelAuth_Uls_T_f32                  | 0.980000019                             |
| HandWheelPos_HwDeg_T_f32                 | -900.064026                             |
| LimitPosition_HwDeg_T_f32                | 800.280029                              |
| VehicleSpeed_Kph_T_f32                   | 15.3540001                              |
| k_EOTActiveRegionBypassMaxThresh_Uls_f32 | 0.69599998                              |
| k_EOTDeltaTrqThrsh_HwNm_u9p7             | 640                                     |
| k_EOTDynConf_Uls_u8p8                    | 233                                     |
| k_EOTImpSpdEn_Kph_u9p7                   | 7040                                    |
| t2_EOTEnterGainX_HwDeg_u12p4[0][0]       | 160                                     |
| t2_EOTEnterGainX_HwDeg_u12p4[0][1]       | 352                                     |
| t2_EOTEnterGainX_HwDeg_u12p4[0][2]       | 480                                     |
| t2_EOTEnterGainX_HwDeg_u12p4[0][3]       | 704                                     |
| t2_EOTEnterGainX_HwDeg_u12p4[1][0]       | 688                                     |
| t2_EOTEnterGainX_HwDeg_u12p4[1][1]       | 2048                                    |
| t2_EOTEnterGainX_HwDeg_u12p4[1][2]       | 2064                                    |
| t2_EOTEnterGainX_HwDeg_u12p4[1][3]       | 2080                                    |
| t2_EOTEnterGainX_HwDeg_u12p4[2][0]       | 1328                                    |
| t2_EOTEnterGainX_HwDeg_u12p4[2][1]       | 3968                                    |
| t2_EOTEnterGainX_HwDeg_u12p4[2][2]       | 3984                                    |
| t2_EOTEnterGainX_HwDeg_u12p4[2][3]       | 4000                                    |
| t2_EOTEnterGainX_HwDeg_u12p4[3][0]       | 1968                                    |
| t2_EOTEnterGainX_HwDeg_u12p4[3][1]       | 5888                                    |
| t2_EOTEnterGainX_HwDeg_u12p4[3][2]       | 5904                                    |
| t2_EOTEnterGainX_HwDeg_u12p4[3][3]       | 5920                                    |
| t2_EOTPosDepDmpTblX_HwDeg_u12p4[0][0]    | 0                                       |
| t2_EOTPosDepDmpTbIX_HwDeg_u12p4[0][1]    | 288                                     |
| t2_EOTPosDepDmpTblX_HwDeg_u12p4[1][0]    | 864                                     |
| t2_EOTPosDepDmpTbIX_HwDeg_u12p4[1][1]    | 1328                                    |
| t2_EOTPosDepDmpTblX_HwDeg_u12p4[2][0]    | 848                                     |

2015-06-29, 18:49:35+0530



| Name                                  | Input Value  |                |        |
|---------------------------------------|--------------|----------------|--------|
| t2_EOTPosDepDmpTblX_HwDeg_u12p4[2][1] | 1232         |                |        |
| t2_EOTPosDepDmpTblX_HwDeg_u12p4[3][0] | 896          |                |        |
| t2_EOTPosDepDmpTblX_HwDeg_u12p4[3][1] | 4224         |                |        |
| t_EOTEnterGainVspd_Kph_u9p7[0]        | 4224         |                |        |
| t_EOTEnterGainVspd_Kph_u9p7[1]        | 12544        |                |        |
| t_EOTEnterGainVspd_Kph_u9p7[2]        | 12672        |                |        |
| t_EOTEnterGainVspd_Kph_u9p7[3]        | 12800        |                |        |
| Name                                  | Actual Value | Expected Value | Result |
| EOTActuatorMng_SESState_Uls_M_enum    | SES_DISABLED | SES_DISABLED   | ✓      |

| Test Step 2.23 (Repeat Count = 1)        |              |                | ✓      |
|--|--------------|----------------|--------|
| Name                                     | Input Value  |                |        |
| EOTActuatorMng_OutputRampMultLtd_M_f32   | 0.769999981  |                |        |
| EOTActuatorMng_SESState_Uls_M_enum       | SES NORMAL   |                |        |
| EOTDet Cnt T Igc                         | 1            |                |        |
| EOTDisable Cnt T lgc                     | 0            |                |        |
| FiltHwTrq HwNm T f32                     | -6.17999983  |                |        |
| HandWheelAuth Uls T f32                  | 0.910000026  |                |        |
| HandWheelPos_HwDeg_T_f32                 | 900.036987   |                |        |
| LimitPosition_HwDeg_T_f32                | -800.469971  |                |        |
| VehicleSpeed_Kph_T_f32                   | 16.6539993   |                |        |
| k_EOTActiveRegionBypassMaxThresh_Uls_f32 | 0.61500001   |                |        |
| k_EOTDeltaTrqThrsh_HwNm_u9p7             | 512          |                |        |
| k_EOTDynConf_Uls_u8p8                    | 230          |                |        |
| k_EOTImpSpdEn_Kph_u9p7                   | 7168         |                |        |
| t2_EOTEnterGainX_HwDeg_u12p4[0][0]       | 800          |                |        |
| t2_EOTEnterGainX_HwDeg_u12p4[0][1]       | 960          |                |        |
| t2_EOTEnterGainX_HwDeg_u12p4[0][2]       | 1120         |                |        |
| t2_EOTEnterGainX_HwDeg_u12p4[0][3]       | 1280         |                |        |
| t2_EOTEnterGainX_HwDeg_u12p4[1][0]       | 704          |                |        |
| t2_EOTEnterGainX_HwDeg_u12p4[1][1]       | 2096         |                |        |
| t2_EOTEnterGainX_HwDeg_u12p4[1][2]       | 2112         |                |        |
| t2_EOTEnterGainX_HwDeg_u12p4[1][3]       | 2128         |                |        |
| t2_EOTEnterGainX_HwDeg_u12p4[2][0]       | 1344         |                |        |
| t2_EOTEnterGainX_HwDeg_u12p4[2][1]       | 4016         |                |        |
| t2_EOTEnterGainX_HwDeg_u12p4[2][2]       | 4032         |                |        |
| t2_EOTEnterGainX_HwDeg_u12p4[2][3]       | 4048         |                |        |
| t2_EOTEnterGainX_HwDeg_u12p4[3][0]       | 1984         |                |        |
| t2_EOTEnterGainX_HwDeg_u12p4[3][1]       | 5936         |                |        |
| t2_EOTEnterGainX_HwDeg_u12p4[3][2]       | 5952         |                |        |
| t2_EOTEnterGainX_HwDeg_u12p4[3][3]       | 5968         |                |        |
| t2_EOTPosDepDmpTblX_HwDeg_u12p4[0][0]    | 144          |                |        |
| t2_EOTPosDepDmpTblX_HwDeg_u12p4[0][1]    | 304          |                |        |
| t2_EOTPosDepDmpTblX_HwDeg_u12p4[1][0]    | 896          |                |        |
| t2_EOTPosDepDmpTblX_HwDeg_u12p4[1][1]    | 1344         |                |        |
| t2_EOTPosDepDmpTblX_HwDeg_u12p4[2][0]    | 864          |                |        |
| t2_EOTPosDepDmpTblX_HwDeg_u12p4[2][1]    | 1248         |                |        |
| t2_EOTPosDepDmpTblX_HwDeg_u12p4[3][0]    | 928          |                |        |
| t2_EOTPosDepDmpTblX_HwDeg_u12p4[3][1]    | 4240         |                |        |
| t_EOTEnterGainVspd_Kph_u9p7[0]           | 4352         |                |        |
| t_EOTEnterGainVspd_Kph_u9p7[1]           | 12928        |                |        |
| t_EOTEnterGainVspd_Kph_u9p7[2]           | 13056        |                |        |
| t_EOTEnterGainVspd_Kph_u9p7[3]           | 13184        |                |        |
| Name                                     | Actual Value | Expected Value | Result |
| EOTActuatorMng_SESState_Uls_M_enum       | SES_EXITING  | SES_EXITING    | ~      |

| Test Step 2.24 (Repeat Count = 1)        |              |  |
|--|--------------|--|
| Name                                     | Input Value  |  |
| EOTActuatorMng_OutputRampMultLtd_M_f32   | 0.832000017  |  |
| EOTActuatorMng_SESState_Uls_M_enum       | SES_DISABLED |  |
| EOTDet_Cnt_T_lgc                         | 1            |  |
| EOTDisable_Cnt_T_lgc                     | 0            |  |
| FiltHwTrq_HwNm_T_f32                     | 2.5          |  |
| HandWheelAuth_Uls_T_f32                  | 0.949999988  |  |
| HandWheelPos_HwDeg_T_f32                 | 333.414001   |  |
| LimitPosition_HwDeg_T_f32                | 300.829987   |  |
| VehicleSpeed_Kph_T_f32                   | 27.4580002   |  |
| k EOTActiveRegionBypassMaxThresh Uls f32 | 0.20000003   |  |

SES\_StateCtrl

2015-06-29, 18:49:35+0530



| Name                                  | Input Value  |                |        |
|---------------------------------------|--------------|----------------|--------|
| k_EOTDeltaTrqThrsh_HwNm_u9p7          | 512          |                |        |
| k_EOTDynConf_Uls_u8p8                 | 51200        |                |        |
| k_EOTImpSpdEn_Kph_u9p7                | 8320         |                |        |
| t2_EOTEnterGainX_HwDeg_u12p4[0][0]    | 1456         |                |        |
| t2_EOTEnterGainX_HwDeg_u12p4[0][1]    | 1616         |                |        |
| t2_EOTEnterGainX_HwDeg_u12p4[0][2]    | 1840         |                |        |
| t2_EOTEnterGainX_HwDeg_u12p4[0][3]    | 2048         |                |        |
| t2_EOTEnterGainX_HwDeg_u12p4[1][0]    | 848          |                |        |
| t2_EOTEnterGainX_HwDeg_u12p4[1][1]    | 2528         |                |        |
| t2_EOTEnterGainX_HwDeg_u12p4[1][2]    | 2544         |                |        |
| t2_EOTEnterGainX_HwDeg_u12p4[1][3]    | 2560         |                |        |
| t2_EOTEnterGainX_HwDeg_u12p4[2][0]    | 1488         |                |        |
| t2_EOTEnterGainX_HwDeg_u12p4[2][1]    | 4448         |                |        |
| t2_EOTEnterGainX_HwDeg_u12p4[2][2]    | 4464         |                |        |
| t2_EOTEnterGainX_HwDeg_u12p4[2][3]    | 4480         |                |        |
| t2_EOTEnterGainX_HwDeg_u12p4[3][0]    | 2128         |                |        |
| t2_EOTEnterGainX_HwDeg_u12p4[3][1]    | 6368         |                |        |
| t2_EOTEnterGainX_HwDeg_u12p4[3][2]    | 6384         |                |        |
| t2_EOTEnterGainX_HwDeg_u12p4[3][3]    | 6400         |                |        |
| t2_EOTPosDepDmpTblX_HwDeg_u12p4[0][0] | 48           |                |        |
| t2_EOTPosDepDmpTblX_HwDeg_u12p4[0][1] | 240          |                |        |
| t2_EOTPosDepDmpTblX_HwDeg_u12p4[1][0] | 928          |                |        |
| t2_EOTPosDepDmpTblX_HwDeg_u12p4[1][1] | 4240         |                |        |
| t2_EOTPosDepDmpTblX_HwDeg_u12p4[2][0] | 1056         |                |        |
| t2_EOTPosDepDmpTblX_HwDeg_u12p4[2][1] | 1440         |                |        |
| t2_EOTPosDepDmpTblX_HwDeg_u12p4[3][0] | 640          |                |        |
| t2_EOTPosDepDmpTblX_HwDeg_u12p4[3][1] | 3376         |                |        |
| t_EOTEnterGainVspd_Kph_u9p7[0]        | 5504         |                |        |
| t_EOTEnterGainVspd_Kph_u9p7[1]        | 16384        |                |        |
| t_EOTEnterGainVspd_Kph_u9p7[2]        | 16512        |                |        |
| t_EOTEnterGainVspd_Kph_u9p7[3]        | 16640        |                |        |
| Name                                  | Actual Value | Expected Value | Result |
| EOTActuatorMng_SESState_Uls_M_enum    | SES_DISABLED | SES_DISABLED   | ~      |

| Test Step 2.25 (Repeat Count = 1)        |             | V |
|--|-------------|---|
| Name                                     | Input Value |   |
| EOTActuatorMng OutputRampMultLtd M f32   | 0.275000006 |   |
| EOTActuatorMng SESState Uls M enum       | SES EXITING |   |
| EOTDet Cnt T Igc                         | 1           |   |
| EOTDisable Cnt T lgc                     | 1           |   |
| FiltHwTrg HwNm T f32                     | -2.5        |   |
| HandWheelAuth Uls T f32                  | 0.899999976 |   |
| HandWheelPos HwDeg T f32                 | 444.816986  |   |
| LimitPosition_HwDeg_T_f32                | -300.290009 |   |
| VehicleSpeed_Kph_T_f32                   | 25.5400009  |   |
| k_EOTActiveRegionBypassMaxThresh_Uls_f32 | 0.372000009 |   |
| k_EOTDeltaTrqThrsh_HwNm_u9p7             | 384         |   |
| k_EOTDynConf_Uls_u8p8                    | 21504       |   |
| k_EOTImpSpdEn_Kph_u9p7                   | 8448        |   |
| t2_EOTEnterGainX_HwDeg_u12p4[0][0]       | 1504        |   |
| t2_EOTEnterGainX_HwDeg_u12p4[0][1]       | 4496        |   |
| t2_EOTEnterGainX_HwDeg_u12p4[0][2]       | 4512        |   |
| t2_EOTEnterGainX_HwDeg_u12p4[0][3]       | 4528        |   |
| t2_EOTEnterGainX_HwDeg_u12p4[1][0]       | 864         |   |
| t2_EOTEnterGainX_HwDeg_u12p4[1][1]       | 2576        |   |
| t2_EOTEnterGainX_HwDeg_u12p4[1][2]       | 2592        |   |
| t2_EOTEnterGainX_HwDeg_u12p4[1][3]       | 2608        |   |
| t2_EOTEnterGainX_HwDeg_u12p4[2][0]       | 1504        |   |
| t2_EOTEnterGainX_HwDeg_u12p4[2][1]       | 4496        |   |
| t2_EOTEnterGainX_HwDeg_u12p4[2][2]       | 4512        |   |
| t2_EOTEnterGainX_HwDeg_u12p4[2][3]       | 4528        |   |
| t2_EOTEnterGainX_HwDeg_u12p4[3][0]       | 2144        |   |
| t2_EOTEnterGainX_HwDeg_u12p4[3][1]       | 6416        |   |
| t2_EOTEnterGainX_HwDeg_u12p4[3][2]       | 6432        |   |
| t2_EOTEnterGainX_HwDeg_u12p4[3][3]       | 6448        |   |
| t2_EOTPosDepDmpTblX_HwDeg_u12p4[0][0]    | 32          |   |
| t2_EOTPosDepDmpTblX_HwDeg_u12p4[0][1]    | 256         |   |
| t2_EOTPosDepDmpTblX_HwDeg_u12p4[1][0]    | 800         |   |
| t2_EOTPosDepDmpTblX_HwDeg_u12p4[1][1]    | 4256        |   |
| t2_EOTPosDepDmpTblX_HwDeg_u12p4[2][0]    | 1072        |   |
| t2_EOTPosDepDmpTblX_HwDeg_u12p4[2][1]    | 1456        |   |

SES\_StateCtrl

2015-06-29, 18:49:35+0530



| Name                                  | Input Value  |                |          |
|---------------------------------------|--------------|----------------|----------|
| t2_EOTPosDepDmpTblX_HwDeg_u12p4[3][0] | 192          |                |          |
| t2_EOTPosDepDmpTblX_HwDeg_u12p4[3][1] | 3392         |                |          |
| t_EOTEnterGainVspd_Kph_u9p7[0]        | 5632         |                |          |
| t_EOTEnterGainVspd_Kph_u9p7[1]        | 16768        |                |          |
| t_EOTEnterGainVspd_Kph_u9p7[2]        | 16896        |                |          |
| t_EOTEnterGainVspd_Kph_u9p7[3]        | 17024        |                |          |
| Name                                  | Actual Value | Expected Value | Result   |
| EOTActuatorMng_SESState_Uls_M_enum    | SES DISABLED | SES DISABLED   | <b>✓</b> |

| Test Step 2.26 (Repeat Count = 1)        |              |                | <b>✓</b> |
|--|--------------|----------------|----------|
| Name                                     | Input Value  |                |          |
| EOTActuatorMng OutputRampMultLtd M f32   | 0.331        |                |          |
| EOTActuatorMng SESState UIs M enum       | SES DISABLED |                |          |
| EOTDet_Cnt_T_lgc                         | 1            |                |          |
| EOTDisable Cnt T lgc                     | 1            |                |          |
| FiltHwTrq_HwNm_T_f32                     | -2           |                |          |
| HandWheelAuth Uls T f32                  | 0.870000005  |                |          |
| HandWheelPos_HwDeg_T_f32                 | -350.200989  |                |          |
| LimitPosition HwDeg T f32                | -1000.03998  |                |          |
| VehicleSpeed_Kph_T_f32                   | 18.8899994   |                |          |
| k EOTActiveRegionBypassMaxThresh Uls f32 | 0.465000004  |                |          |
| k EOTDeltaTrqThrsh HwNm u9p7             | 128          |                |          |
| k EOTDynConf Uls u8p8                    | 3072         |                |          |
| k_EOTImpSpdEn_Kph_u9p7                   | 6400         |                |          |
| t2 EOTEnterGainX HwDeg u12p4[0][0]       | 1520         |                |          |
| t2_EOTEnterGainX_HwDeg_u12p4[0][1]       | 4544         |                |          |
| t2_EOTEnterGainX_HwDeg_u12p4[0][2]       | 4560         |                |          |
| t2_EOTEnterGainX_HwDeg_u12p4[0][3]       | 4576         |                |          |
| t2_EOTEnterGainX_HwDeg_u12p4[1][0]       | 880          |                |          |
| t2_EOTEnterGainX_HwDeg_u12p4[1][1]       | 2624         |                |          |
| t2_EOTEnterGainX_HwDeg_u12p4[1][2]       | 2640         |                |          |
| t2_EOTEnterGainX_HwDeg_u12p4[1][3]       | 2656         |                |          |
| t2_EOTEnterGainX_HwDeg_u12p4[2][0]       | 1520         |                |          |
| t2_EOTEnterGainX_HwDeg_u12p4[2][1]       | 4544         |                |          |
| t2_EOTEnterGainX_HwDeg_u12p4[2][2]       | 4560         |                |          |
| t2_EOTEnterGainX_HwDeg_u12p4[2][3]       | 4576         |                |          |
| t2_EOTEnterGainX_HwDeg_u12p4[3][0]       | 2160         |                |          |
| t2_EOTEnterGainX_HwDeg_u12p4[3][1]       | 6464         |                |          |
| t2_EOTEnterGainX_HwDeg_u12p4[3][2]       | 6480         |                |          |
| t2_EOTEnterGainX_HwDeg_u12p4[3][3]       | 6496         |                |          |
| t2_EOTPosDepDmpTblX_HwDeg_u12p4[0][0]    | 16           |                |          |
| t2_EOTPosDepDmpTblX_HwDeg_u12p4[0][1]    | 272          |                |          |
| t2_EOTPosDepDmpTblX_HwDeg_u12p4[1][0]    | 352          |                |          |
| t2_EOTPosDepDmpTblX_HwDeg_u12p4[1][1]    | 4272         |                |          |
| t2_EOTPosDepDmpTblX_HwDeg_u12p4[2][0]    | 1088         |                |          |
| t2_EOTPosDepDmpTblX_HwDeg_u12p4[2][1]    | 1472         |                |          |
| t2_EOTPosDepDmpTblX_HwDeg_u12p4[3][0]    | 704          |                |          |
| t2_EOTPosDepDmpTblX_HwDeg_u12p4[3][1]    | 3408         |                |          |
| t_EOTEnterGainVspd_Kph_u9p7[0]           | 5760         |                |          |
| t_EOTEnterGainVspd_Kph_u9p7[1]           | 17152        |                |          |
| t_EOTEnterGainVspd_Kph_u9p7[2]           | 17280        |                |          |
| t_EOTEnterGainVspd_Kph_u9p7[3]           | 17408        |                |          |
| Name                                     | Actual Value | Expected Value | Result   |
| EOTActuatorMng_SESState_Uls_M_enum       | SES_DISABLED | SES_DISABLED   | ~        |

| Test Step 2.27 (Repeat Count = 1)        |             | <u> </u> |
|--|-------------|----------|
| Name                                     | Input Value |          |
| EOTActuatorMng_OutputRampMultLtd_M_f32   | 0.666000009 |          |
| EOTActuatorMng_SESState_Uls_M_enum       | SES_NORMAL  |          |
| EOTDet_Cnt_T_lgc                         | 0           |          |
| EOTDisable_Cnt_T_lgc                     | 1           |          |
| FiltHwTrq_HwNm_T_f32                     | 9.5         |          |
| HandWheelAuth_Uls_T_f32                  | 0.879999995 |          |
| HandWheelPos_HwDeg_T_f32                 | -333.51001  |          |
| LimitPosition_HwDeg_T_f32                | 777.653992  |          |
| VehicleSpeed_Kph_T_f32                   | 14.8959999  |          |
| k_EOTActiveRegionBypassMaxThresh_Uls_f32 | 0.99000001  |          |
| k_EOTDeltaTrqThrsh_HwNm_u9p7             | 512         |          |

2015-06-29, 18:49:35+0530



| Name                                  | Input Value  |                |        |
|---------------------------------------|--------------|----------------|--------|
| k_EOTDynConf_Uls_u8p8                 | 9216         |                |        |
| k_EOTImpSpdEn_Kph_u9p7                | 4736         |                |        |
| t2_EOTEnterGainX_HwDeg_u12p4[0][0]    | 1536         |                |        |
| t2_EOTEnterGainX_HwDeg_u12p4[0][1]    | 4592         |                |        |
| t2_EOTEnterGainX_HwDeg_u12p4[0][2]    | 4608         |                |        |
| t2_EOTEnterGainX_HwDeg_u12p4[0][3]    | 4624         |                |        |
| t2_EOTEnterGainX_HwDeg_u12p4[1][0]    | 896          |                |        |
| t2_EOTEnterGainX_HwDeg_u12p4[1][1]    | 2672         |                |        |
| t2_EOTEnterGainX_HwDeg_u12p4[1][2]    | 2688         |                |        |
| t2_EOTEnterGainX_HwDeg_u12p4[1][3]    | 2704         |                |        |
| t2_EOTEnterGainX_HwDeg_u12p4[2][0]    | 1536         |                |        |
| t2_EOTEnterGainX_HwDeg_u12p4[2][1]    | 4592         |                |        |
| t2_EOTEnterGainX_HwDeg_u12p4[2][2]    | 4608         |                |        |
| t2_EOTEnterGainX_HwDeg_u12p4[2][3]    | 4624         |                |        |
| t2_EOTEnterGainX_HwDeg_u12p4[3][0]    | 2176         |                |        |
| t2_EOTEnterGainX_HwDeg_u12p4[3][1]    | 6512         |                |        |
| t2_EOTEnterGainX_HwDeg_u12p4[3][2]    | 6528         |                |        |
| t2_EOTEnterGainX_HwDeg_u12p4[3][3]    | 6544         |                |        |
| t2_EOTPosDepDmpTblX_HwDeg_u12p4[0][0] | 0            |                |        |
| t2_EOTPosDepDmpTblX_HwDeg_u12p4[0][1] | 288          |                |        |
| t2_EOTPosDepDmpTblX_HwDeg_u12p4[1][0] | 384          |                |        |
| t2_EOTPosDepDmpTblX_HwDeg_u12p4[1][1] | 4288         |                |        |
| t2_EOTPosDepDmpTblX_HwDeg_u12p4[2][0] | 1104         |                |        |
| t2_EOTPosDepDmpTblX_HwDeg_u12p4[2][1] | 1488         |                |        |
| t2_EOTPosDepDmpTblX_HwDeg_u12p4[3][0] | 256          |                |        |
| t2_EOTPosDepDmpTblX_HwDeg_u12p4[3][1] | 3424         |                |        |
| t_EOTEnterGainVspd_Kph_u9p7[0]        | 5888         |                |        |
| t_EOTEnterGainVspd_Kph_u9p7[1]        | 17536        |                |        |
| t_EOTEnterGainVspd_Kph_u9p7[2]        | 17664        |                |        |
| t_EOTEnterGainVspd_Kph_u9p7[3]        | 17792        |                |        |
| Name                                  | Actual Value | Expected Value | Result |
| EOTActuatorMng_SESState_Uls_M_enum    | SES_DISABLED | SES_DISABLED   | •      |

| Test Step 2.28 (Repeat Count = 1)        |              |  |
|--|--------------|--|
| Name                                     | Input Value  |  |
| EOTActuatorMng_OutputRampMultLtd_M_f32   | 0.663999975  |  |
| EOTActuatorMng_SESState_Uls_M_enum       | SES_ENTERING |  |
| EOTDet_Cnt_T_lgc                         | 1            |  |
| EOTDisable_Cnt_T_lgc                     | 0            |  |
| FiltHwTrq_HwNm_T_f32                     | 3.5          |  |
| HandWheelAuth_Uls_T_f32                  | 0.899999976  |  |
| HandWheelPos_HwDeg_T_f32                 | -854.036987  |  |
| LimitPosition_HwDeg_T_f32                | 111.650002   |  |
| VehicleSpeed_Kph_T_f32                   | 10.0564003   |  |
| k_EOTActiveRegionBypassMaxThresh_Uls_f32 | 0.606000006  |  |
| k_EOTDeltaTrqThrsh_HwNm_u9p7             | 256          |  |
| k_EOTDynConf_Uls_u8p8                    | 0            |  |
| k_EOTImpSpdEn_Kph_u9p7                   | 8576         |  |
| t2_EOTEnterGainX_HwDeg_u12p4[0][0]       | 1552         |  |
| t2_EOTEnterGainX_HwDeg_u12p4[0][1]       | 4640         |  |
| t2_EOTEnterGainX_HwDeg_u12p4[0][2]       | 4656         |  |
| t2_EOTEnterGainX_HwDeg_u12p4[0][3]       | 4672         |  |
| t2_EOTEnterGainX_HwDeg_u12p4[1][0]       | 912          |  |
| t2_EOTEnterGainX_HwDeg_u12p4[1][1]       | 2720         |  |
| t2_EOTEnterGainX_HwDeg_u12p4[1][2]       | 2736         |  |
| t2_EOTEnterGainX_HwDeg_u12p4[1][3]       | 2752         |  |
| t2_EOTEnterGainX_HwDeg_u12p4[2][0]       | 1552         |  |
| t2_EOTEnterGainX_HwDeg_u12p4[2][1]       | 4640         |  |
| t2_EOTEnterGainX_HwDeg_u12p4[2][2]       | 4656         |  |
| t2_EOTEnterGainX_HwDeg_u12p4[2][3]       | 4672         |  |
| t2_EOTEnterGainX_HwDeg_u12p4[3][0]       | 2192         |  |
| t2_EOTEnterGainX_HwDeg_u12p4[3][1]       | 6560         |  |
| t2_EOTEnterGainX_HwDeg_u12p4[3][2]       | 6576         |  |
| t2_EOTEnterGainX_HwDeg_u12p4[3][3]       | 6592         |  |
| t2_EOTPosDepDmpTblX_HwDeg_u12p4[0][0]    | 144          |  |
| t2_EOTPosDepDmpTblX_HwDeg_u12p4[0][1]    | 304          |  |
| t2_EOTPosDepDmpTblX_HwDeg_u12p4[1][0]    | 896          |  |
| t2_EOTPosDepDmpTblX_HwDeg_u12p4[1][1]    | 4304         |  |
| t2_EOTPosDepDmpTblX_HwDeg_u12p4[2][0]    | 1120         |  |
| t2_EOTPosDepDmpTbIX_HwDeg_u12p4[2][1]    | 1504         |  |
| t2_EOTPosDepDmpTblX_HwDeg_u12p4[3][0]    | 288          |  |

2015-06-29, 18:49:35+0530



| Name                                  | Input Value  |                |        |
|---------------------------------------|--------------|----------------|--------|
| t2_EOTPosDepDmpTblX_HwDeg_u12p4[3][1] | 3440         |                |        |
| t_EOTEnterGainVspd_Kph_u9p7[0]        | 6016         |                |        |
| t_EOTEnterGainVspd_Kph_u9p7[1]        | 17920        |                |        |
| t_EOTEnterGainVspd_Kph_u9p7[2]        | 18048        |                |        |
| t_EOTEnterGainVspd_Kph_u9p7[3]        | 18176        |                |        |
| Name                                  | Actual Value | Expected Value | Result |
| EOTActuatorMng_SESState_Uls_M_enum    | SES_ENTERING | SES_ENTERING   | ~      |

| Name                                   | Input Value  |                |        |
|--|--------------|----------------|--------|
| EOTActuatorMng OutputRampMultLtd M f32 | 0.0489999987 |                |        |
| EOTActuatorMng SESState Uls M enum     | SES EXITING  |                |        |
| EOTDet Cnt T lgc                       | 0            |                |        |
| EOTDisable Cnt T lgc                   | 1            |                |        |
| FiltHwTrg HwNm T f32                   | 9.5          |                |        |
| HandWheelAuth Uls T f32                | 0.879999995  |                |        |
| HandWheelPos HwDeg T f32               | -333.51001   |                |        |
| LimitPosition HwDeg T f32              | 777.653992   |                |        |
| /ehicleSpeed Kph T f32                 | 14.8959999   |                |        |
| EOTActiveRegionBypassMaxThresh Uls f32 | 0.91900003   |                |        |
| EOTDeltaTrqThrsh HwNm u9p7             | 512          |                |        |
| EOTDynConf Uls u8p8                    | 9216         |                |        |
| C EOTImpSpdEn Kph u9p7                 | 4736         |                |        |
| 2 EOTEnterGainX HwDeg u12p4[0][0]      | 1536         |                |        |
| 2 EOTEnterGainX HwDeg u12p4[0][1]      | 4592         |                |        |
| 2 EOTEnterGainX HwDeg u12p4[0][2]      | 4608         |                |        |
| 2_EOTEnterGainX_HwDeg_u12p4[0][3]      | 4624         |                |        |
| 2_EOTEnterGainX_HwDeg_u12p4[1][0]      | 896          |                |        |
| 2 EOTEnterGainX HwDeg u12p4[1][1]      | 2672         |                |        |
| 2 EOTEnterGainX HwDeg u12p4[1][2]      | 2688         |                |        |
| 2 EOTEnterGainX HwDeg u12p4[1][3]      | 2704         |                |        |
| 2_EOTEnterGainX_HwDeg_u12p4[2][0]      | 1536         |                |        |
| 2_EOTEnterGainX_HwDeg_u12p4[2][1]      | 4592         |                |        |
| 2 EOTEnterGainX HwDeg u12p4[2][2]      | 4608         |                |        |
| 2 EOTEnterGainX HwDeg u12p4[2][3]      | 4624         |                |        |
| 2_EOTEnterGainX_HwDeg_u12p4[3][0]      | 2176         |                |        |
| 2_EOTEnterGainX_HwDeg_u12p4[3][1]      | 6512         |                |        |
| 2_EOTEnterGainX_HwDeg_u12p4[3][2]      | 6528         |                |        |
| 2 EOTEnterGainX HwDeg u12p4[3][3]      | 6544         |                |        |
| 2_EOTPosDepDmpTblX_HwDeg_u12p4[0][0]   | 0            |                |        |
| 2_EOTPosDepDmpTblX_HwDeg_u12p4[0][1]   | 288          |                |        |
| 2_EOTPosDepDmpTblX_HwDeg_u12p4[1][0]   | 384          |                |        |
| 2 EOTPosDepDmpTblX HwDeg u12p4[1][1]   | 4288         |                |        |
| 2_EOTPosDepDmpTblX_HwDeg_u12p4[2][0]   | 1104         |                |        |
| 2_EOTPosDepDmpTblX_HwDeg_u12p4[2][1]   | 1488         |                |        |
| 2_EOTPosDepDmpTblX_HwDeg_u12p4[3][0]   | 256          |                |        |
| 2_EOTPosDepDmpTblX_HwDeg_u12p4[3][1]   | 3424         |                |        |
| _EOTEnterGainVspd_Kph_u9p7[0]          | 5888         |                |        |
| _EOTEnterGainVspd_Kph_u9p7[1]          | 17536        |                |        |
| _EOTEnterGainVspd_Kph_u9p7[2]          | 17664        |                |        |
| _EOTEnterGainVspd_Kph_u9p7[3]          | 17792        |                |        |
| Name                                   | Actual Value | Expected Value | Result |
| EOTActuatorMng_SESState_Uls_M_enum     | SES DISABLED | SES DISABLED   | / /    |

| Test Step 2.30 (Repeat Count = 1)        |              | <b>√</b> |
|--|--------------|----------|
| Name                                     | Input Value  |          |
| EOTActuatorMng_OutputRampMultLtd_M_f32   | 0.771000028  |          |
| EOTActuatorMng_SESState_Uls_M_enum       | SES_ENTERING |          |
| EOTDet_Cnt_T_lgc                         | 1            |          |
| EOTDisable_Cnt_T_lgc                     | 0            |          |
| FiltHwTrq_HwNm_T_f32                     | 3.5          |          |
| HandWheelAuth_Uls_T_f32                  | 0.899999976  |          |
| HandWheelPos_HwDeg_T_f32                 | -854.036987  |          |
| LimitPosition_HwDeg_T_f32                | 111.650002   |          |
| VehicleSpeed_Kph_T_f32                   | 10.0564003   |          |
| k_EOTActiveRegionBypassMaxThresh_Uls_f32 | 0.273000002  |          |
| k_EOTDeltaTrqThrsh_HwNm_u9p7             | 256          |          |
| k_EOTDynConf_Uls_u8p8                    | 0            |          |

2015-06-29, 18:49:35+0530



| Name                                  | Input Value  |                |        |
|---------------------------------------|--------------|----------------|--------|
| k_EOTImpSpdEn_Kph_u9p7                | 8576         |                |        |
| t2_EOTEnterGainX_HwDeg_u12p4[0][0]    | 1552         |                |        |
| t2_EOTEnterGainX_HwDeg_u12p4[0][1]    | 4640         |                |        |
| t2_EOTEnterGainX_HwDeg_u12p4[0][2]    | 4656         |                |        |
| t2_EOTEnterGainX_HwDeg_u12p4[0][3]    | 4672         |                |        |
| t2_EOTEnterGainX_HwDeg_u12p4[1][0]    | 912          |                |        |
| t2_EOTEnterGainX_HwDeg_u12p4[1][1]    | 2720         |                |        |
| t2_EOTEnterGainX_HwDeg_u12p4[1][2]    | 2736         |                |        |
| t2_EOTEnterGainX_HwDeg_u12p4[1][3]    | 2752         |                |        |
| t2_EOTEnterGainX_HwDeg_u12p4[2][0]    | 1552         |                |        |
| t2_EOTEnterGainX_HwDeg_u12p4[2][1]    | 4640         |                |        |
| t2_EOTEnterGainX_HwDeg_u12p4[2][2]    | 4656         |                |        |
| t2_EOTEnterGainX_HwDeg_u12p4[2][3]    | 4672         |                |        |
| t2_EOTEnterGainX_HwDeg_u12p4[3][0]    | 2192         |                |        |
| t2_EOTEnterGainX_HwDeg_u12p4[3][1]    | 6560         |                |        |
| t2_EOTEnterGainX_HwDeg_u12p4[3][2]    | 6576         |                |        |
| t2_EOTEnterGainX_HwDeg_u12p4[3][3]    | 6592         |                |        |
| t2_EOTPosDepDmpTblX_HwDeg_u12p4[0][0] | 144          |                |        |
| t2_EOTPosDepDmpTblX_HwDeg_u12p4[0][1] | 304          |                |        |
| t2_EOTPosDepDmpTblX_HwDeg_u12p4[1][0] | 896          |                |        |
| t2_EOTPosDepDmpTblX_HwDeg_u12p4[1][1] | 4304         |                |        |
| t2_EOTPosDepDmpTblX_HwDeg_u12p4[2][0] | 1120         |                |        |
| t2_EOTPosDepDmpTblX_HwDeg_u12p4[2][1] | 1504         |                |        |
| t2_EOTPosDepDmpTblX_HwDeg_u12p4[3][0] | 288          |                |        |
| t2_EOTPosDepDmpTblX_HwDeg_u12p4[3][1] | 3440         |                |        |
| t_EOTEnterGainVspd_Kph_u9p7[0]        | 6016         |                |        |
| t_EOTEnterGainVspd_Kph_u9p7[1]        | 17920        |                |        |
| t_EOTEnterGainVspd_Kph_u9p7[2]        | 18048        |                |        |
| t_EOTEnterGainVspd_Kph_u9p7[3]        | 18176        |                |        |
| Name                                  | Actual Value | Expected Value | Result |
| EOTActuatorMng_SESState_Uls_M_enum    | SES_ENTERING | SES_ENTERING   |        |

| Test Step 2.31 (Repeat Count = 1)        | ✓            |
|--|--------------|
| Name                                     | Input Value  |
| EOTActuatorMng_OutputRampMultLtd_M_f32   | 0.0599999987 |
| EOTActuatorMng_SESState_Uls_M_enum       | SES_NORMAL   |
| EOTDet_Cnt_T_lgc                         | 1            |
| EOTDisable_Cnt_T_lgc                     | 0            |
| FiltHwTrq_HwNm_T_f32                     | -3.5         |
| HandWheelAuth_Uls_T_f32                  | 0.94999988   |
| HandWheelPos_HwDeg_T_f32                 | 999.064026   |
| LimitPosition_HwDeg_T_f32                | -111.449997  |
| VehicleSpeed_Kph_T_f32                   | 20.4599991   |
| k_EOTActiveRegionBypassMaxThresh_Uls_f32 | 0.875999987  |
| k_EOTDeltaTrqThrsh_HwNm_u9p7             | 128          |
| k_EOTDynConf_Uls_u8p8                    | 65535        |
| k_EOTImpSpdEn_Kph_u9p7                   | 8704         |
| t2_EOTEnterGainX_HwDeg_u12p4[0][0]       | 1568         |
| t2_EOTEnterGainX_HwDeg_u12p4[0][1]       | 4688         |
| t2_EOTEnterGainX_HwDeg_u12p4[0][2]       | 4704         |
| t2_EOTEnterGainX_HwDeg_u12p4[0][3]       | 4720         |
| t2_EOTEnterGainX_HwDeg_u12p4[1][0]       | 928          |
| t2_EOTEnterGainX_HwDeg_u12p4[1][1]       | 2768         |
| t2_EOTEnterGainX_HwDeg_u12p4[1][2]       | 2784         |
| t2_EOTEnterGainX_HwDeg_u12p4[1][3]       | 2800         |
| t2_EOTEnterGainX_HwDeg_u12p4[2][0]       | 1568         |
| t2_EOTEnterGainX_HwDeg_u12p4[2][1]       | 4688         |
| t2_EOTEnterGainX_HwDeg_u12p4[2][2]       | 4704         |
| t2_EOTEnterGainX_HwDeg_u12p4[2][3]       | 4720         |
| t2_EOTEnterGainX_HwDeg_u12p4[3][0]       | 2208         |
| t2_EOTEnterGainX_HwDeg_u12p4[3][1]       | 6608         |
| t2_EOTEnterGainX_HwDeg_u12p4[3][2]       | 6624         |
| t2_EOTEnterGainX_HwDeg_u12p4[3][3]       | 6640         |
| t2_EOTPosDepDmpTblX_HwDeg_u12p4[0][0]    | 480          |
| t2_EOTPosDepDmpTblX_HwDeg_u12p4[0][1]    | 2656         |
| t2_EOTPosDepDmpTblX_HwDeg_u12p4[1][0]    | 928          |
| t2_EOTPosDepDmpTblX_HwDeg_u12p4[1][1]    | 4320         |
| t2_EOTPosDepDmpTblX_HwDeg_u12p4[2][0]    | 1280         |
| t2_EOTPosDepDmpTblX_HwDeg_u12p4[2][1]    | 736          |
| t2_EOTPosDepDmpTblX_HwDeg_u12p4[3][0]    | 640          |
| t2_EOTPosDepDmpTblX_HwDeg_u12p4[3][1]    | 3456         |

2015-06-29, 18:49:35+0530



| Name                               | Input Value  |                |        |
|------------------------------------|--------------|----------------|--------|
| t_EOTEnterGainVspd_Kph_u9p7[0]     | 6144         |                |        |
| t_EOTEnterGainVspd_Kph_u9p7[1]     | 18304        |                |        |
| t_EOTEnterGainVspd_Kph_u9p7[2]     | 18432        |                |        |
| t_EOTEnterGainVspd_Kph_u9p7[3]     | 18560        |                |        |
| Name                               | Actual Value | Expected Value | Result |
| EOTActuatorMng_SESState_Uls_M_enum | SES_DISABLED | SES_DISABLED   | ~      |

| Test Step 2.32 (Repeat Count = 1)        |              |                | ✓      |
|--|--------------|----------------|--------|
| Name                                     | Input Value  |                |        |
| EOTActuatorMng OutputRampMultLtd M f32   | 0.291000009  |                |        |
| EOTActuatorMng SESState Uls M enum       | SES ENTERING |                |        |
| EOTDet Cnt T Igc                         | 0            |                |        |
| EOTDisable Cnt T lgc                     | 1            |                |        |
| FiltHwTrg HwNm T f32                     | 4.5          |                |        |
| HandWheelAuth Uls T f32                  | 0.839999974  |                |        |
| HandWheelPos HwDeg T f32                 | -888.070984  |                |        |
| LimitPosition HwDeg T f32                | 222.654007   |                |        |
| VehicleSpeed Kph T f32                   | 5.01499987   |                |        |
| k EOTActiveRegionBypassMaxThresh Uls f32 | 0.349000007  |                |        |
| k EOTDeltaTrqThrsh HwNm u9p7             | 1152         |                |        |
| k EOTDynConf Uls u8p8                    | 205          |                |        |
| k EOTImpSpdEn Kph u9p7                   | 8832         |                |        |
| t2_EOTEnterGainX_HwDeg_u12p4[0][0]       | 1584         |                |        |
| t2 EOTEnterGainX HwDeg u12p4[0][1]       | 4736         |                |        |
| t2 EOTEnterGainX HwDeg u12p4[0][2]       | 4752         |                |        |
| t2 EOTEnterGainX HwDeg u12p4[0][3]       | 4768         |                |        |
| t2_EOTEnterGainX_HwDeg_u12p4[1][0]       | 944          |                |        |
| t2_EOTEnterGainX_HwDeg_u12p4[1][1]       | 2816         |                |        |
| t2 EOTEnterGainX HwDeg u12p4[1][2]       | 2832         |                |        |
| t2_EOTEnterGainX_HwDeg_u12p4[1][3]       | 2848         |                |        |
| t2 EOTEnterGainX HwDeg u12p4[2][0]       | 1584         |                |        |
| t2_EOTEnterGainX_HwDeg_u12p4[2][1]       | 4736         |                |        |
| t2 EOTEnterGainX HwDeg u12p4[2][2]       | 4752         |                |        |
| t2 EOTEnterGainX HwDeg u12p4[2][3]       | 4768         |                |        |
| t2 EOTEnterGainX HwDeg u12p4[3][0]       | 2224         |                |        |
| t2_EOTEnterGainX_HwDeg_u12p4[3][1]       | 6656         |                |        |
| t2_EOTEnterGainX_HwDeg_u12p4[3][2]       | 6672         |                |        |
| t2_EOTEnterGainX_HwDeg_u12p4[3][3]       | 6688         |                |        |
| t2_EOTPosDepDmpTblX_HwDeg_u12p4[0][0]    | 352          |                |        |
| t2_EOTPosDepDmpTblX_HwDeg_u12p4[0][1]    | 2672         |                |        |
| t2_EOTPosDepDmpTblX_HwDeg_u12p4[1][0]    | 800          |                |        |
| t2_EOTPosDepDmpTblX_HwDeg_u12p4[1][1]    | 4336         |                |        |
| t2_EOTPosDepDmpTblX_HwDeg_u12p4[2][0]    | 1312         |                |        |
| t2_EOTPosDepDmpTbIX_HwDeg_u12p4[2][1]    | 752          |                |        |
| t2_EOTPosDepDmpTblX_HwDeg_u12p4[3][0]    | 352          |                |        |
| t2_EOTPosDepDmpTblX_HwDeg_u12p4[3][1]    | 3472         |                |        |
| t_EOTEnterGainVspd_Kph_u9p7[0]           | 6272         |                |        |
| t_EOTEnterGainVspd_Kph_u9p7[1]           | 18688        |                |        |
| t_EOTEnterGainVspd_Kph_u9p7[2]           | 18816        |                |        |
| t_EOTEnterGainVspd_Kph_u9p7[3]           | 18944        |                |        |
| Name                                     | Actual Value | Expected Value | Result |
| EOTActuatorMng_SESState_Uls_M_enum       | SES DISABLED | SES DISABLED   | ~      |

| Test Step 2.33 (Repeat Count = 1)        | <b>✓</b>    |
|--|-------------|
| Name                                     | Input Value |
| EOTActuatorMng_OutputRampMultLtd_M_f32   | 0.218999997 |
| EOTActuatorMng_SESState_Uls_M_enum       | SES_NORMAL  |
| EOTDet_Cnt_T_lgc                         | 1           |
| EOTDisable_Cnt_T_lgc                     | 0           |
| FiltHwTrq_HwNm_T_f32                     | -4.5        |
| HandWheelAuth_Uls_T_f32                  | 0.850000024 |
| HandWheelPos_HwDeg_T_f32                 | 888.034973  |
| LimitPosition_HwDeg_T_f32                | -222.354996 |
| VehicleSpeed_Kph_T_f32                   | 15.1560001  |
| k_EOTActiveRegionBypassMaxThresh_Uls_f32 | 0.388000011 |
| k_EOTDeltaTrqThrsh_HwNm_u9p7             | 1024        |
| k_EOTDynConf_Uls_u8p8                    | 21760       |
| k_EOTImpSpdEn_Kph_u9p7                   | 0           |

2015-06-29, 18:49:35+0530



| Name                                  | Input Value  |                |        |
|---------------------------------------|--------------|----------------|--------|
| t2_EOTEnterGainX_HwDeg_u12p4[0][0]    | 1600         |                |        |
| t2_EOTEnterGainX_HwDeg_u12p4[0][1]    | 4784         |                |        |
| t2_EOTEnterGainX_HwDeg_u12p4[0][2]    | 4800         |                |        |
| t2_EOTEnterGainX_HwDeg_u12p4[0][3]    | 4816         |                |        |
| t2_EOTEnterGainX_HwDeg_u12p4[1][0]    | 960          |                |        |
| t2_EOTEnterGainX_HwDeg_u12p4[1][1]    | 2864         |                |        |
| t2_EOTEnterGainX_HwDeg_u12p4[1][2]    | 2880         |                |        |
| t2_EOTEnterGainX_HwDeg_u12p4[1][3]    | 2896         |                |        |
| t2_EOTEnterGainX_HwDeg_u12p4[2][0]    | 1600         |                |        |
| t2_EOTEnterGainX_HwDeg_u12p4[2][1]    | 4784         |                |        |
| t2_EOTEnterGainX_HwDeg_u12p4[2][2]    | 4800         |                |        |
| t2_EOTEnterGainX_HwDeg_u12p4[2][3]    | 4816         |                |        |
| t2_EOTEnterGainX_HwDeg_u12p4[3][0]    | 2240         |                |        |
| t2_EOTEnterGainX_HwDeg_u12p4[3][1]    | 6704         |                |        |
| t2_EOTEnterGainX_HwDeg_u12p4[3][2]    | 6720         |                |        |
| t2_EOTEnterGainX_HwDeg_u12p4[3][3]    | 6736         |                |        |
| t2_EOTPosDepDmpTblX_HwDeg_u12p4[0][0] | 336          |                |        |
| t2_EOTPosDepDmpTblX_HwDeg_u12p4[0][1] | 480          |                |        |
| t2_EOTPosDepDmpTblX_HwDeg_u12p4[1][0] | 320          |                |        |
| t2_EOTPosDepDmpTblX_HwDeg_u12p4[1][1] | 800          |                |        |
| t2_EOTPosDepDmpTblX_HwDeg_u12p4[2][0] | 320          |                |        |
| t2_EOTPosDepDmpTblX_HwDeg_u12p4[2][1] | 0            |                |        |
| t2_EOTPosDepDmpTblX_HwDeg_u12p4[3][0] | 4480         |                |        |
| t2_EOTPosDepDmpTblX_HwDeg_u12p4[3][1] | 5760         |                |        |
| t_EOTEnterGainVspd_Kph_u9p7[0]        | 6400         |                |        |
| t_EOTEnterGainVspd_Kph_u9p7[1]        | 19072        |                |        |
| t_EOTEnterGainVspd_Kph_u9p7[2]        | 19200        |                |        |
| t_EOTEnterGainVspd_Kph_u9p7[3]        | 19328        |                |        |
| Name                                  | Actual Value | Expected Value | Result |
| EOTActuatorMng_SESState_Uls_M_enum    | SES_DISABLED | SES_DISABLED   | ·      |

| Test Step 2.34 (Repeat Count = 1)        |              |
|--|--------------|
| Name                                     | Input Value  |
| EOTActuatorMng_OutputRampMultLtd_M_f32   | 0.148000002  |
| EOTActuatorMng SESState Uls M enum       | SES ENTERING |
| EOTDet_Cnt_T_lgc                         | 0            |
| EOTDisable_Cnt_T_lgc                     | 1.           |
| FiltHwTrq_HwNm_T_f32                     | 5.5          |
| HandWheelAuth_Uls_T_f32                  | 0.860000014  |
| HandWheelPos_HwDeg_T_f32                 | -777.067017  |
| LimitPosition_HwDeg_T_f32                | 333.544006   |
| VehicleSpeed_Kph_T_f32                   | 25.0650005   |
| k_EOTActiveRegionBypassMaxThresh_Uls_f32 | 0.217999995  |
| k_EOTDeltaTrqThrsh_HwNm_u9p7             | 896          |
| k_EOTDynConf_Uls_u8p8                    | 17664        |
| k_EOTImpSpdEn_Kph_u9p7                   | 32640        |
| t2_EOTEnterGainX_HwDeg_u12p4[0][0]       | 1616         |
| t2_EOTEnterGainX_HwDeg_u12p4[0][1]       | 4832         |
| t2_EOTEnterGainX_HwDeg_u12p4[0][2]       | 4848         |
| t2_EOTEnterGainX_HwDeg_u12p4[0][3]       | 4864         |
| t2_EOTEnterGainX_HwDeg_u12p4[1][0]       | 976          |
| t2_EOTEnterGainX_HwDeg_u12p4[1][1]       | 2912         |
| t2_EOTEnterGainX_HwDeg_u12p4[1][2]       | 2928         |
| t2_EOTEnterGainX_HwDeg_u12p4[1][3]       | 2944         |
| t2_EOTEnterGainX_HwDeg_u12p4[2][0]       | 1616         |
| t2_EOTEnterGainX_HwDeg_u12p4[2][1]       | 4832         |
| t2_EOTEnterGainX_HwDeg_u12p4[2][2]       | 4848         |
| t2_EOTEnterGainX_HwDeg_u12p4[2][3]       | 4864         |
| t2_EOTEnterGainX_HwDeg_u12p4[3][0]       | 2256         |
| t2_EOTEnterGainX_HwDeg_u12p4[3][1]       | 6752         |
| t2_EOTEnterGainX_HwDeg_u12p4[3][2]       | 6768         |
| t2_EOTEnterGainX_HwDeg_u12p4[3][3]       | 6784         |
| t2_EOTPosDepDmpTblX_HwDeg_u12p4[0][0]    | 352          |
| t2_EOTPosDepDmpTblX_HwDeg_u12p4[0][1]    | 496          |
| t2_EOTPosDepDmpTblX_HwDeg_u12p4[1][0]    | 336          |
| t2_EOTPosDepDmpTbIX_HwDeg_u12p4[1][1]    | 960          |
| t2_EOTPosDepDmpTbIX_HwDeg_u12p4[2][0]    | 3200         |
| t2_EOTPosDepDmpTbIX_HwDeg_u12p4[2][1]    | 4800         |
| t2_EOTPosDepDmpTblX_HwDeg_u12p4[3][0]    | 3520         |
| t2_EOTPosDepDmpTbIX_HwDeg_u12p4[3][1]    | 5760         |
| t_EOTEnterGainVspd_Kph_u9p7[0]           | 6528         |

2015-06-29, 18:49:35+0530



| Name                               | Input Value  |                |        |
|------------------------------------|--------------|----------------|--------|
| t_EOTEnterGainVspd_Kph_u9p7[1]     | 19456        |                |        |
| t_EOTEnterGainVspd_Kph_u9p7[2]     | 19584        |                |        |
| t_EOTEnterGainVspd_Kph_u9p7[3]     | 19712        |                |        |
| Name                               | Actual Value | Expected Value | Result |
| EOTActuatorMng_SESState_Uls_M_enum | SES_DISABLED | SES_DISABLED   | ~      |

| Test Step 2.35 (Repeat Count = 1)        |              |                | ✓        |
|--|--------------|----------------|----------|
| Name                                     | Input Value  |                |          |
| EOTActuatorMng OutputRampMultLtd M f32   | 0.768999994  |                |          |
| EOTActuatorMng SESState Uls M enum       | SES NORMAL   |                |          |
| EOTDet Cnt T Igc                         | 1            |                |          |
| EOTDisable Cnt T lgc                     | 0            |                |          |
| FiltHwTrg HwNm T f32                     | -5.5         |                |          |
| HandWheelAuth Uls T f32                  | 0.89999976   |                |          |
| HandWheelPos HwDeg T f32                 | 777.315002   |                |          |
| LimitPosition HwDeg T f32                | -333.544006  |                |          |
| VehicleSpeed Kph T f32                   | 28.0779991   |                |          |
| k EOTActiveRegionBypassMaxThresh Uls f32 | 0.611000001  |                |          |
| k_EOTDeltaTrqThrsh_HwNm_u9p7             | 768          |                |          |
| k EOTDynConf Uls u8p8                    | 8704         |                |          |
| k EOTImpSpdEn Kph u9p7                   | 3840         |                |          |
| t2 EOTEnterGainX HwDeg u12p4[0][0]       | 1632         |                |          |
| t2 EOTEnterGainX HwDeg u12p4[0][1]       | 4880         |                |          |
| t2 EOTEnterGainX HwDeg u12p4[0][2]       | 4896         |                |          |
| t2 EOTEnterGainX HwDeg u12p4[0][3]       | 4912         |                |          |
| t2 EOTEnterGainX HwDeg u12p4[1][0]       | 992          |                |          |
| t2_EOTEnterGainX_HwDeg_u12p4[1][1]       | 2960         |                |          |
| t2_EOTEnterGainX_HwDeg_u12p4[1][2]       | 2976         |                |          |
| t2_EOTEnterGainX_HwDeg_u12p4[1][3]       | 2992         |                |          |
| t2 EOTEnterGainX HwDeg u12p4[2][0]       | 1632         |                |          |
| t2_EOTEnterGainX_HwDeg_u12p4[2][1]       | 4880         |                |          |
| t2 EOTEnterGainX HwDeg u12p4[2][2]       | 4896         |                |          |
| t2_EOTEnterGainX_HwDeg_u12p4[2][3]       | 4912         |                |          |
| t2 EOTEnterGainX HwDeg u12p4[3][0]       | 2272         |                |          |
| t2_EOTEnterGainX_HwDeg_u12p4[3][1]       | 6800         |                |          |
| t2_EOTEnterGainX_HwDeg_u12p4[3][2]       | 6816         |                |          |
| t2_EOTEnterGainX_HwDeg_u12p4[3][3]       | 6832         |                |          |
| t2_EOTPosDepDmpTblX_HwDeg_u12p4[0][0]    | 368          |                |          |
| t2_EOTPosDepDmpTblX_HwDeg_u12p4[0][1]    | 512          |                |          |
| t2_EOTPosDepDmpTblX_HwDeg_u12p4[1][0]    | 352          |                |          |
| t2_EOTPosDepDmpTblX_HwDeg_u12p4[1][1]    | 1440         |                |          |
| t2_EOTPosDepDmpTblX_HwDeg_u12p4[2][0]    | 3360         |                |          |
| t2_EOTPosDepDmpTblX_HwDeg_u12p4[2][1]    | 4960         |                |          |
| t2_EOTPosDepDmpTblX_HwDeg_u12p4[3][0]    | 4640         |                |          |
| t2_EOTPosDepDmpTblX_HwDeg_u12p4[3][1]    | 5760         |                |          |
| t_EOTEnterGainVspd_Kph_u9p7[0]           | 6656         |                |          |
| t_EOTEnterGainVspd_Kph_u9p7[1]           | 19840        |                |          |
| t_EOTEnterGainVspd_Kph_u9p7[2]           | 19968        |                |          |
| t_EOTEnterGainVspd_Kph_u9p7[3]           | 20096        |                |          |
|  |              | Expected Value | Book!!   |
| Name                                     | Actual Value | Expected Value | Result   |
| EOTActuatorMng_SESState_Uls_M_enum       | SES_DISABLED | SES_DISABLED   | <b>✓</b> |

| Test Step 2.36 (Repeat Count = 1)        |              | V |
|--|--------------|---|
| Name                                     | Input Value  |   |
| EOTActuatorMng_OutputRampMultLtd_M_f32   | 0.654999971  |   |
| EOTActuatorMng_SESState_Uls_M_enum       | SES_ENTERING |   |
| EOTDet_Cnt_T_lgc                         | 0            |   |
| EOTDisable_Cnt_T_lgc                     | 1            |   |
| FiltHwTrq_HwNm_T_f32                     | 6.5          |   |
| HandWheelAuth_Uls_T_f32                  | 0.889999986  |   |
| HandWheelPos_HwDeg_T_f32                 | -666.057007  |   |
| LimitPosition_HwDeg_T_f32                | 444.993988   |   |
| VehicleSpeed_Kph_T_f32                   | 12.9809999   |   |
| k_EOTActiveRegionBypassMaxThresh_Uls_f32 | 0.328000009  |   |
| k_EOTDeltaTrqThrsh_HwNm_u9p7             | 640          |   |
| k_EOTDynConf_Uls_u8p8                    | 19200        |   |
| k_EOTImpSpdEn_Kph_u9p7                   | 3968         |   |
| t2_EOTEnterGainX_HwDeg_u12p4[0][0]       | 544          |   |

2015-06-29, 18:49:35+0530



| Name                                  | Input Value  |                |        |
|---------------------------------------|--------------|----------------|--------|
| t2_EOTEnterGainX_HwDeg_u12p4[0][1]    | 1616         |                |        |
| t2_EOTEnterGainX_HwDeg_u12p4[0][2]    | 1632         |                |        |
| t2_EOTEnterGainX_HwDeg_u12p4[0][3]    | 1648         |                |        |
| t2_EOTEnterGainX_HwDeg_u12p4[1][0]    | 1008         |                |        |
| t2_EOTEnterGainX_HwDeg_u12p4[1][1]    | 3008         |                |        |
| t2_EOTEnterGainX_HwDeg_u12p4[1][2]    | 3024         |                |        |
| t2_EOTEnterGainX_HwDeg_u12p4[1][3]    | 3040         |                |        |
| t2_EOTEnterGainX_HwDeg_u12p4[2][0]    | 1648         |                |        |
| t2_EOTEnterGainX_HwDeg_u12p4[2][1]    | 4928         |                |        |
| t2_EOTEnterGainX_HwDeg_u12p4[2][2]    | 4944         |                |        |
| t2_EOTEnterGainX_HwDeg_u12p4[2][3]    | 4960         |                |        |
| t2_EOTEnterGainX_HwDeg_u12p4[3][0]    | 2288         |                |        |
| t2_EOTEnterGainX_HwDeg_u12p4[3][1]    | 6848         |                |        |
| t2_EOTEnterGainX_HwDeg_u12p4[3][2]    | 6864         |                |        |
| t2_EOTEnterGainX_HwDeg_u12p4[3][3]    | 6880         |                |        |
| t2_EOTPosDepDmpTblX_HwDeg_u12p4[0][0] | 0            |                |        |
| t2_EOTPosDepDmpTblX_HwDeg_u12p4[0][1] | 0            |                |        |
| t2_EOTPosDepDmpTblX_HwDeg_u12p4[1][0] | 0            |                |        |
| t2_EOTPosDepDmpTblX_HwDeg_u12p4[1][1] | 0            |                |        |
| t2_EOTPosDepDmpTblX_HwDeg_u12p4[2][0] | 0            |                |        |
| t2_EOTPosDepDmpTblX_HwDeg_u12p4[2][1] | 0            |                |        |
| t2_EOTPosDepDmpTblX_HwDeg_u12p4[3][0] | 0            |                |        |
| t2_EOTPosDepDmpTblX_HwDeg_u12p4[3][1] | 0            |                |        |
| t_EOTEnterGainVspd_Kph_u9p7[0]        | 6784         |                |        |
| t_EOTEnterGainVspd_Kph_u9p7[1]        | 20224        |                |        |
| t_EOTEnterGainVspd_Kph_u9p7[2]        | 20352        |                |        |
| t_EOTEnterGainVspd_Kph_u9p7[3]        | 20480        |                |        |
| Name                                  | Actual Value | Expected Value | Result |
| EOTActuatorMng_SESState_Uls_M_enum    | SES_DISABLED | SES_DISABLED   | ~      |

| Test Step 2.37 (Repeat Count = 1)        |                           |
|--|---------------------------|
| Name                                     | Input Value               |
| EOTActuatorMng OutputRampMultLtd M f32   | 0.377000004               |
| EOTActuatorMng SESState Uls M enum       |                           |
| ·  | SES_NORMAL                |
| EOTDet_Cnt_T_lgc                         | 1                         |
| EOTDisable_Cnt_T_lgc                     | -6.5                      |
| FiltHwTrq_HwNm_T_f32                     |                           |
| HandWheelAuth_Uls_T_f32                  | 0.879999995<br>666.314026 |
| HandWheelPos_HwDeg_T_f32                 |                           |
| LimitPosition_HwDeg_T_f32                | -444.740997               |
| VehicleSpeed_Kph_T_f32                   | 16.1280003                |
| k_EOTActiveRegionBypassMaxThresh_Uls_f32 | 0.0270000007              |
| k_EOTDeltaTrqThrsh_HwNm_u9p7             | 1152                      |
| k_EOTDynConf_Uls_u8p8                    | 32000                     |
| k_EOTImpSpdEn_Kph_u9p7                   | 4096                      |
| t2_EOTEnterGainX_HwDeg_u12p4[0][0]       | 560                       |
| t2_EOTEnterGainX_HwDeg_u12p4[0][1]       | 1664                      |
| t2_EOTEnterGainX_HwDeg_u12p4[0][2]       | 1680                      |
| t2_EOTEnterGainX_HwDeg_u12p4[0][3]       | 1696                      |
| t2_EOTEnterGainX_HwDeg_u12p4[1][0]       | 1024                      |
| t2_EOTEnterGainX_HwDeg_u12p4[1][1]       | 3056                      |
| t2_EOTEnterGainX_HwDeg_u12p4[1][2]       | 3072                      |
| t2_EOTEnterGainX_HwDeg_u12p4[1][3]       | 3088                      |
| t2_EOTEnterGainX_HwDeg_u12p4[2][0]       | 1664                      |
| t2_EOTEnterGainX_HwDeg_u12p4[2][1]       | 4976                      |
| t2_EOTEnterGainX_HwDeg_u12p4[2][2]       | 4992                      |
| t2_EOTEnterGainX_HwDeg_u12p4[2][3]       | 5008                      |
| t2_EOTEnterGainX_HwDeg_u12p4[3][0]       | 2304                      |
| t2_EOTEnterGainX_HwDeg_u12p4[3][1]       | 6896                      |
| t2_EOTEnterGainX_HwDeg_u12p4[3][2]       | 6912                      |
| t2_EOTEnterGainX_HwDeg_u12p4[3][3]       | 6928                      |
| t2_EOTPosDepDmpTblX_HwDeg_u12p4[0][0]    | 5760                      |
| t2_EOTPosDepDmpTblX_HwDeg_u12p4[0][1]    | 5760                      |
| t2_EOTPosDepDmpTblX_HwDeg_u12p4[1][0]    | 5760                      |
| t2_EOTPosDepDmpTblX_HwDeg_u12p4[1][1]    | 5760                      |
| t2_EOTPosDepDmpTblX_HwDeg_u12p4[2][0]    | 5760                      |
| t2_EOTPosDepDmpTblX_HwDeg_u12p4[2][1]    | 5760                      |
| t2_EOTPosDepDmpTblX_HwDeg_u12p4[3][0]    | 5760                      |
| t2_EOTPosDepDmpTblX_HwDeg_u12p4[3][1]    | 5760                      |
| t_EOTEnterGainVspd_Kph_u9p7[0]           | 6912                      |
| t_EOTEnterGainVspd_Kph_u9p7[1]           | 20608                     |

2015-06-29, 18:49:35+0530



| Name                               | Input Value  |                |        |
|------------------------------------|--------------|----------------|--------|
| t_EOTEnterGainVspd_Kph_u9p7[2]     | 20736        |                |        |
| t_EOTEnterGainVspd_Kph_u9p7[3]     | 20864        |                |        |
| Name                               | Actual Value | Expected Value | Result |
| EOTActuatorMng_SESState_Uls_M_enum | SES_DISABLED | SES_DISABLED   | ~      |

| Test Step 2.38 (Repeat Count = 1)        |              |                | <b>✓</b> |
|--|--------------|----------------|----------|
| Name                                     | Input Value  |                |          |
| EOTActuatorMng OutputRampMultLtd M f32   | 0.85799998   |                |          |
| EOTActuatorMng SESState Uls M enum       | SES ENTERING |                |          |
| EOTDet Cnt T Igc                         | 1            |                |          |
| EOTDisable Cnt T lgc                     | 0            |                |          |
| FiltHwTrg HwNm T f32                     | 7.5          |                |          |
| HandWheelAuth Uls T f32                  | 0.870000005  |                |          |
| HandWheelPos HwDeg T f32                 | -555.057983  |                |          |
| LimitPosition HwDeg T f32                | 555.387024   |                |          |
| VehicleSpeed Kph T f32                   | 18.0510006   |                |          |
| k EOTActiveRegionBypassMaxThresh UIs f32 | 0.89899989   |                |          |
| k EOTDeltaTrqThrsh HwNm u9p7             | 1024         |                |          |
| k EOTDynConf Uls u8p8                    | 51200        |                |          |
| k EOTImpSpdEn Kph u9p7                   | 4224         |                |          |
| t2_EOTEnterGainX_HwDeg_u12p4[0][0]       | 576          |                |          |
| t2 EOTEnterGainX HwDeg u12p4[0][1]       | 1712         |                |          |
| t2 EOTEnterGainX HwDeg u12p4[0][2]       | 1728         |                |          |
| t2 EOTEnterGainX HwDeg u12p4[0][3]       | 1744         |                |          |
| t2 EOTEnterGainX HwDeg u12p4[1][0]       | 1040         |                |          |
| t2 EOTEnterGainX HwDeg u12p4[1][1]       | 3104         |                |          |
| t2_EOTEnterGainX_HwDeg_u12p4[1][2]       | 3120         |                |          |
| t2_EOTEnterGainX_HwDeg_u12p4[1][3]       | 3136         |                |          |
| t2 EOTEnterGainX HwDeg u12p4[2][0]       | 1680         |                |          |
| t2_EOTEnterGainX_HwDeg_u12p4[2][1]       | 5024         |                |          |
| t2_EOTEnterGainX_HwDeg_u12p4[2][2]       | 5040         |                |          |
| t2 EOTEnterGainX HwDeg u12p4[2][3]       | 5056         |                |          |
| t2 EOTEnterGainX HwDeg u12p4[3][0]       | 2320         |                |          |
| t2 EOTEnterGainX HwDeg u12p4[3][1]       | 6944         |                |          |
| t2_EOTEnterGainX_HwDeg_u12p4[3][2]       | 6960         |                |          |
| t2_EOTEnterGainX_HwDeg_u12p4[3][3]       | 6976         |                |          |
| t2_EOTPosDepDmpTblX_HwDeg_u12p4[0][0]    | 0            |                |          |
| t2_EOTPosDepDmpTbIX_HwDeg_u12p4[0][1]    | 1920         |                |          |
| t2_EOTPosDepDmpTbIX_HwDeg_u12p4[1][0]    | 0            |                |          |
| t2_EOTPosDepDmpTbIX_HwDeg_u12p4[1][1]    | 1920         |                |          |
| t2 EOTPosDepDmpTblX HwDeg u12p4[2][0]    | 0            |                |          |
| t2_EOTPosDepDmpTbIX_HwDeg_u12p4[2][1]    | 1920         |                |          |
| t2_EOTPosDepDmpTblX_HwDeg_u12p4[3][0]    | 0            |                |          |
| t2_EOTPosDepDmpTblX_HwDeg_u12p4[3][1]    | 1920         |                |          |
| t_EOTEnterGainVspd_Kph_u9p7[0]           | 7040         |                |          |
| t_EOTEnterGainVspd_Kph_u9p7[1]           | 20992        |                |          |
| t_EOTEnterGainVspd_Kph_u9p7[2]           | 21120        |                |          |
| t_EOTEnterGainVspd_Kph_u9p7[3]           | 21248        |                |          |
| Name                                     | Actual Value | Expected Value | Result   |
| EOTActuatorMng_SESState_Uls_M_enum       | SES DISABLED | SES DISABLED   | ixesuit  |

| Test Step 2.39 (Repeat Count = 1)        |             | <b>✓</b> |
|--|-------------|----------|
| Name                                     | Input Value |          |
| EOTActuatorMng_OutputRampMultLtd_M_f32   | 0.698000014 |          |
| EOTActuatorMng_SESState_Uls_M_enum       | SES_NORMAL  |          |
| EOTDet_Cnt_T_lgc                         | 0           |          |
| EOTDisable_Cnt_T_lgc                     | 1           |          |
| FiltHwTrq_HwNm_T_f32                     | -7.5        |          |
| HandWheelAuth_Uls_T_f32                  | 0.850000024 |          |
| HandWheelPos_HwDeg_T_f32                 | 555.317017  |          |
| LimitPosition_HwDeg_T_f32                | -555.146973 |          |
| VehicleSpeed_Kph_T_f32                   | 22.0575008  |          |
| k_EOTActiveRegionBypassMaxThresh_Uls_f32 | 0.933000028 |          |
| k_EOTDeltaTrqThrsh_HwNm_u9p7             | 896         |          |
| k_EOTDynConf_Uls_u8p8                    | 3072        |          |
| k_EOTImpSpdEn_Kph_u9p7                   | 4352        |          |
| t2_EOTEnterGainX_HwDeg_u12p4[0][0]       | 0           |          |
| t2_EOTEnterGainX_HwDeg_u12p4[0][1]       | 0           |          |

2015-06-29, 18:49:35+0530



| Name                                  | Input Value  |                |        |
|---------------------------------------|--------------|----------------|--------|
| t2_EOTEnterGainX_HwDeg_u12p4[0][2]    | 0            |                |        |
| t2_EOTEnterGainX_HwDeg_u12p4[0][3]    | 0            |                |        |
| t2_EOTEnterGainX_HwDeg_u12p4[1][0]    | 0            |                |        |
| t2_EOTEnterGainX_HwDeg_u12p4[1][1]    | 0            |                |        |
| t2_EOTEnterGainX_HwDeg_u12p4[1][2]    | 0            |                |        |
| t2_EOTEnterGainX_HwDeg_u12p4[1][3]    | 0            |                |        |
| t2_EOTEnterGainX_HwDeg_u12p4[2][0]    | 0            |                |        |
| t2_EOTEnterGainX_HwDeg_u12p4[2][1]    | 0            |                |        |
| t2_EOTEnterGainX_HwDeg_u12p4[2][2]    | 0            |                |        |
| t2_EOTEnterGainX_HwDeg_u12p4[2][3]    | 0            |                |        |
| t2_EOTEnterGainX_HwDeg_u12p4[3][0]    | 0            |                |        |
| t2_EOTEnterGainX_HwDeg_u12p4[3][1]    | 0            |                |        |
| t2_EOTEnterGainX_HwDeg_u12p4[3][2]    | 0            |                |        |
| t2_EOTEnterGainX_HwDeg_u12p4[3][3]    | 0            |                |        |
| t2_EOTPosDepDmpTblX_HwDeg_u12p4[0][0] | 400          |                |        |
| t2_EOTPosDepDmpTblX_HwDeg_u12p4[0][1] | 544          |                |        |
| t2_EOTPosDepDmpTblX_HwDeg_u12p4[1][0] | 800          |                |        |
| t2_EOTPosDepDmpTblX_HwDeg_u12p4[1][1] | 1184         |                |        |
| t2_EOTPosDepDmpTblX_HwDeg_u12p4[2][0] | 944          |                |        |
| t2_EOTPosDepDmpTblX_HwDeg_u12p4[2][1] | 1328         |                |        |
| t2_EOTPosDepDmpTblX_HwDeg_u12p4[3][0] | 656          |                |        |
| t2_EOTPosDepDmpTblX_HwDeg_u12p4[3][1] | 1040         |                |        |
| t_EOTEnterGainVspd_Kph_u9p7[0]        | 7168         |                |        |
| t_EOTEnterGainVspd_Kph_u9p7[1]        | 21376        |                |        |
| t_EOTEnterGainVspd_Kph_u9p7[2]        | 21504        |                |        |
| t_EOTEnterGainVspd_Kph_u9p7[3]        | 21632        |                |        |
| Name                                  | Actual Value | Expected Value | Result |
| EOTActuatorMng_SESState_Uls_M_enum    | SES_DISABLED | SES_DISABLED   | ~      |

| Test Step 2.40 (Repeat Count = 1)        |              | • |
|--|--------------|---|
| Name                                     | Input Value  |   |
| EOTActuatorMng_OutputRampMultLtd_M_f32   | 0.680999994  |   |
| EOTActuatorMng_SESState_Uls_M_enum       | SES_ENTERING |   |
| EOTDet_Cnt_T_lgc                         | 0            |   |
| EOTDisable_Cnt_T_lgc                     | 1            |   |
| FiltHwTrq_HwNm_T_f32                     | 8.5          |   |
| HandWheelAuth_Uls_T_f32                  | 0.860000014  |   |
| HandWheelPos_HwDeg_T_f32                 | -444.217987  |   |
| LimitPosition_HwDeg_T_f32                | 666.953979   |   |
| VehicleSpeed_Kph_T_f32                   | 27.0540009   |   |
| k_EOTActiveRegionBypassMaxThresh_Uls_f32 | 0.980000019  |   |
| k_EOTDeltaTrqThrsh_HwNm_u9p7             | 768          |   |
| k_EOTDynConf_Uls_u8p8                    | 5888         |   |
| k_EOTImpSpdEn_Kph_u9p7                   | 4480         |   |
| t2_EOTEnterGainX_HwDeg_u12p4[0][0]       | 14400        |   |
| t2_EOTEnterGainX_HwDeg_u12p4[0][1]       | 14400        |   |
| t2_EOTEnterGainX_HwDeg_u12p4[0][2]       | 14400        |   |
| t2_EOTEnterGainX_HwDeg_u12p4[0][3]       | 14400        |   |
| t2_EOTEnterGainX_HwDeg_u12p4[1][0]       | 14400        |   |
| t2_EOTEnterGainX_HwDeg_u12p4[1][1]       | 14400        |   |
| t2_EOTEnterGainX_HwDeg_u12p4[1][2]       | 14400        |   |
| t2_EOTEnterGainX_HwDeg_u12p4[1][3]       | 14400        |   |
| t2_EOTEnterGainX_HwDeg_u12p4[2][0]       | 14400        |   |
| t2_EOTEnterGainX_HwDeg_u12p4[2][1]       | 14400        |   |
| t2_EOTEnterGainX_HwDeg_u12p4[2][2]       | 14400        |   |
| t2_EOTEnterGainX_HwDeg_u12p4[2][3]       | 14400        |   |
| t2_EOTEnterGainX_HwDeg_u12p4[3][0]       | 14400        |   |
| t2_EOTEnterGainX_HwDeg_u12p4[3][1]       | 14400        |   |
| t2_EOTEnterGainX_HwDeg_u12p4[3][2]       | 14400        |   |
| t2_EOTEnterGainX_HwDeg_u12p4[3][3]       | 14400        |   |
| t2_EOTPosDepDmpTblX_HwDeg_u12p4[0][0]    | 416          |   |
| t2_EOTPosDepDmpTblX_HwDeg_u12p4[0][1]    | 560          |   |
| t2_EOTPosDepDmpTblX_HwDeg_u12p4[1][0]    | 816          |   |
| t2_EOTPosDepDmpTblX_HwDeg_u12p4[1][1]    | 1200         |   |
| t2_EOTPosDepDmpTblX_HwDeg_u12p4[2][0]    | 960          |   |
| t2_EOTPosDepDmpTblX_HwDeg_u12p4[2][1]    | 1344         |   |
| t2_EOTPosDepDmpTblX_HwDeg_u12p4[3][0]    | 672          |   |
| t2_EOTPosDepDmpTblX_HwDeg_u12p4[3][1]    | 1056         |   |
| t EOTEnterGainVspd Kph u9p7[0]           | 7296         |   |
| t EOTEnterGainVspd Kph u9p7[1]           | 21760        |   |
| t_EOTEnterGainVspd_Kph_u9p7[2]           | 21888        |   |

2015-06-29, 18:49:35+0530



| Name                               | Input Value  |                |        |
|------------------------------------|--------------|----------------|--------|
| t_EOTEnterGainVspd_Kph_u9p7[3]     | 22016        |                |        |
| Name                               | Actual Value | Expected Value | Result |
| EOTActuatorMng_SESState_Uls_M_enum | SES_DISABLED | SES_DISABLED   | ~      |

| Test Step 2.41 (Repeat Count = 1)            |              |                | <b>✓</b> |
|--|--------------|----------------|----------|
| Name   | Input Value  |                |          |
| EOTActuatorMng_OutputRampMultLtd_M_f32       | 0.56099999   |                |          |
| EOTActuatorMng_SESState_Uls_M_enum           | SES_NORMAL   |                |          |
| EOTDet_Cnt_T_lgc                             | 1            |                |          |
| EOTDisable_Cnt_T_lgc                         | 0            |                |          |
| FiltHwTrq_HwNm_T_f32                         | -8.5         |                |          |
| HandWheelAuth_Uls_T_f32                      | 0.850000024  |                |          |
| HandWheelPos_HwDeg_T_f32                     | 444.316986   |                |          |
| LimitPosition_HwDeg_T_f32                    | -666.380981  |                |          |
| VehicleSpeed_Kph_T_f32                       | 11.5550003   |                |          |
| k_EOTActiveRegionBypassMaxThresh_Uls_f32     | 0.69999988   |                |          |
| k_EOTDeltaTrqThrsh_HwNm_u9p7                 | 640          |                |          |
| k_EOTDynConf_Uls_u8p8                        | 16640        |                |          |
| k_EOTImpSpdEn_Kph_u9p7                       | 4608         |                |          |
| t2_EOTEnterGainX_HwDeg_u12p4[0][0]           | 0            |                |          |
| t2_EOTEnterGainX_HwDeg_u12p4[0][1]           | 480          |                |          |
| t2_EOTEnterGainX_HwDeg_u12p4[0][2]           | 960          |                |          |
| t2_EOTEnterGainX_HwDeg_u12p4[0][3]           | 1440         |                |          |
| t2_EOTEnterGainX_HwDeg_u12p4[1][0]           | 0            |                |          |
| t2_EOTEnterGainX_HwDeg_u12p4[1][1]           | 480          |                |          |
| t2_EOTEnterGainX_HwDeg_u12p4[1][2]           | 960          |                |          |
| t2_EOTEnterGainX_HwDeg_u12p4[1][3]           | 1440         |                |          |
| t2_EOTEnterGainX_HwDeg_u12p4[2][0]           | 0            |                |          |
| t2_EOTEnterGainX_HwDeg_u12p4[2][1]           | 480          |                |          |
| t2_EOTEnterGainX_HwDeg_u12p4[2][2]           | 960          |                |          |
| t2_EOTEnterGainX_HwDeg_u12p4[2][3]           | 1440         |                |          |
| t2_EOTEnterGainX_HwDeg_u12p4[3][0]           | 0            |                |          |
| t2_EOTEnterGainX_HwDeg_u12p4[3][1]           | 480          |                |          |
| t2_EOTEnterGainX_HwDeg_u12p4[3][2]           | 960          |                |          |
| t2_EOTEnterGainX_HwDeg_u12p4[3][3]           | 1440         |                |          |
| t2_EOTPosDepDmpTblX_HwDeg_u12p4[0][0]        | 432          |                |          |
| t2_EOTPosDepDmpTblX_HwDeg_u12p4[0][1]        | 576          |                |          |
| t2_EOTPosDepDmpTblX_HwDeg_u12p4[1][0]        | 832          |                |          |
| t2_EOTPosDepDmpTblX_HwDeg_u12p4[1][1]        | 1216         |                |          |
| t2_EOTPosDepDmpTblX_HwDeg_u12p4[2][0]        | 976          |                |          |
| t2_EOTPosDepDmpTblX_HwDeg_u12p4[2][1]        | 1360         |                |          |
| t2_EOTPosDepDmpTblX_HwDeg_u12p4[3][0]        | 688          |                |          |
| t2_EOTPosDepDmpTblX_HwDeg_u12p4[3][1]        | 1072         |                |          |
| t_EOTEnterGainVspd_Kph_u9p7[0]               | 7424         |                |          |
| t_EOTEnterGainVspd_Kph_u9p7[1]               | 22144        |                |          |
| t_EOTEnterGainVspd_Kph_u9p7[2]               | 22272        |                |          |
| t_EOTEnterGainVspd_Kph_u9p7[3]               | 22400        |                |          |
| Name   | Actual Value | Expected Value | Result   |
| EOTActuatorMng_SESState_Uls_M_enum           | SES DISABLED | SES DISABLED   | result   |
| LO I Actuato I WING LOCITATE COS INITERIOR I | OLO_DIOADLLD | OLO_DIOADLLD   |          |

| Test Step 2.42 (Repeat Count = 1)        |              |
|--|--------------|
| Name                                     | Input Value  |
| EOTActuatorMng_OutputRampMultLtd_M_f32   | 0.871999979  |
| EOTActuatorMng_SESState_Uls_M_enum       | SES_ENTERING |
| EOTDet_Cnt_T_lgc                         | 1            |
| EOTDisable_Cnt_T_lgc                     | 0            |
| FiltHwTrq_HwNm_T_f32                     | 9.5          |
| HandWheelAuth_Uls_T_f32                  | 0.87999995   |
| HandWheelPos_HwDeg_T_f32                 | -333.212006  |
| LimitPosition_HwDeg_T_f32                | 777.049988   |
| VehicleSpeed_Kph_T_f32                   | 14.1569996   |
| k_EOTActiveRegionBypassMaxThresh_Uls_f32 | 0.153999999  |
| k_EOTDeltaTrqThrsh_HwNm_u9p7             | 512          |
| k_EOTDynConf_Uls_u8p8                    | 18           |
| k_EOTImpSpdEn_Kph_u9p7                   | 4736         |
| t2_EOTEnterGainX_HwDeg_u12p4[0][0]       | 1760         |
| t2_EOTEnterGainX_HwDeg_u12p4[0][1]       | 5264         |
| t2_EOTEnterGainX_HwDeg_u12p4[0][2]       | 5280         |

2015-06-29, 18:49:35+0530



| Name                                  | Input Value  |                |        |
|---------------------------------------|--------------|----------------|--------|
| t2_EOTEnterGainX_HwDeg_u12p4[0][3]    | 5296         |                |        |
| t2_EOTEnterGainX_HwDeg_u12p4[1][0]    | 1456         |                |        |
| t2_EOTEnterGainX_HwDeg_u12p4[1][1]    | 4352         |                |        |
| t2_EOTEnterGainX_HwDeg_u12p4[1][2]    | 4368         |                |        |
| t2_EOTEnterGainX_HwDeg_u12p4[1][3]    | 4384         |                |        |
| t2_EOTEnterGainX_HwDeg_u12p4[2][0]    | 672          |                |        |
| t2_EOTEnterGainX_HwDeg_u12p4[2][1]    | 2000         |                |        |
| t2_EOTEnterGainX_HwDeg_u12p4[2][2]    | 2016         |                |        |
| t2_EOTEnterGainX_HwDeg_u12p4[2][3]    | 2032         |                |        |
| t2_EOTEnterGainX_HwDeg_u12p4[3][0]    | 1232         |                |        |
| t2_EOTEnterGainX_HwDeg_u12p4[3][1]    | 3680         |                |        |
| t2_EOTEnterGainX_HwDeg_u12p4[3][2]    | 3696         |                |        |
| t2_EOTEnterGainX_HwDeg_u12p4[3][3]    | 3712         |                |        |
| t2_EOTPosDepDmpTblX_HwDeg_u12p4[0][0] | 448          |                |        |
| t2_EOTPosDepDmpTblX_HwDeg_u12p4[0][1] | 592          |                |        |
| t2_EOTPosDepDmpTblX_HwDeg_u12p4[1][0] | 848          |                |        |
| t2_EOTPosDepDmpTblX_HwDeg_u12p4[1][1] | 1232         |                |        |
| t2_EOTPosDepDmpTblX_HwDeg_u12p4[2][0] | 992          |                |        |
| t2_EOTPosDepDmpTblX_HwDeg_u12p4[2][1] | 1376         |                |        |
| t2_EOTPosDepDmpTblX_HwDeg_u12p4[3][0] | 704          |                |        |
| t2_EOTPosDepDmpTblX_HwDeg_u12p4[3][1] | 1088         |                |        |
| t_EOTEnterGainVspd_Kph_u9p7[0]        | 0            |                |        |
| t_EOTEnterGainVspd_Kph_u9p7[1]        | 0            |                |        |
| t_EOTEnterGainVspd_Kph_u9p7[2]        | 0            |                |        |
| t_EOTEnterGainVspd_Kph_u9p7[3]        | 0            |                |        |
| Name                                  | Actual Value | Expected Value | Result |
| EOTActuatorMng SESState Uls M enum    | SES NORMAL   | SES NORMAL     | •      |





| Test Step 2.43 (Repeat Count = 1)        |              |                | <b>✓</b> |
|--|--------------|----------------|----------|
| Name                                     | Input Value  |                |          |
| EOTActuatorMng_OutputRampMultLtd_M_f32   | 0.971000016  |                |          |
| EOTActuatorMng_SESState_Uls_M_enum       | SES_NORMAL   |                |          |
| EOTDet_Cnt_T_lgc                         | 1            |                |          |
| EOTDisable_Cnt_T_lgc                     | 0            |                |          |
| FiltHwTrq_HwNm_T_f32                     | -9.5         |                |          |
| HandWheelAuth_Uls_T_f32                  | 0.899999976  |                |          |
| HandWheelPos_HwDeg_T_f32                 | 333.313995   |                |          |
| LimitPosition_HwDeg_T_f32                | -777.067017  |                |          |
| VehicleSpeed_Kph_T_f32                   | 15.0469999   |                |          |
| k_EOTActiveRegionBypassMaxThresh_Uls_f32 | 0.374000013  |                |          |
| k_EOTDeltaTrqThrsh_HwNm_u9p7             | 384          |                |          |
| k_EOTDynConf_Uls_u8p8                    | 205          |                |          |
| k_EOTImpSpdEn_Kph_u9p7                   | 4864         |                |          |
| t2_EOTEnterGainX_HwDeg_u12p4[0][0]       | 1776         |                |          |
| t2_EOTEnterGainX_HwDeg_u12p4[0][1]       | 5312         |                |          |
| t2_EOTEnterGainX_HwDeg_u12p4[0][2]       | 5328         |                |          |
| t2_EOTEnterGainX_HwDeg_u12p4[0][3]       | 5344         |                |          |
| t2_EOTEnterGainX_HwDeg_u12p4[1][0]       | 1472         |                |          |
| t2_EOTEnterGainX_HwDeg_u12p4[1][1]       | 4400         |                |          |
| t2_EOTEnterGainX_HwDeg_u12p4[1][2]       | 4416         |                |          |
| t2_EOTEnterGainX_HwDeg_u12p4[1][3]       | 4432         |                |          |
| t2_EOTEnterGainX_HwDeg_u12p4[2][0]       | 688          |                |          |
| t2_EOTEnterGainX_HwDeg_u12p4[2][1]       | 2048         |                |          |
| t2_EOTEnterGainX_HwDeg_u12p4[2][2]       | 2064         |                |          |
| t2_EOTEnterGainX_HwDeg_u12p4[2][3]       | 2080         |                |          |
| t2_EOTEnterGainX_HwDeg_u12p4[3][0]       | 1248         |                |          |
| t2_EOTEnterGainX_HwDeg_u12p4[3][1]       | 3728         |                |          |
| t2_EOTEnterGainX_HwDeg_u12p4[3][2]       | 3744         |                |          |
| t2_EOTEnterGainX_HwDeg_u12p4[3][3]       | 3760         |                |          |
| t2_EOTPosDepDmpTblX_HwDeg_u12p4[0][0]    | 464          |                |          |
| t2_EOTPosDepDmpTblX_HwDeg_u12p4[0][1]    | 608          |                |          |
| t2_EOTPosDepDmpTblX_HwDeg_u12p4[1][0]    | 864          |                |          |
| t2_EOTPosDepDmpTblX_HwDeg_u12p4[1][1]    | 1248         |                |          |
| t2_EOTPosDepDmpTbIX_HwDeg_u12p4[2][0]    | 1008         |                |          |
| t2_EOTPosDepDmpTblX_HwDeg_u12p4[2][1]    | 1392         |                |          |
| t2_EOTPosDepDmpTblX_HwDeg_u12p4[3][0]    | 720          |                |          |
| t2_EOTPosDepDmpTblX_HwDeg_u12p4[3][1]    | 1104         |                |          |
| t_EOTEnterGainVspd_Kph_u9p7[0]           | 32640        |                |          |
| t_EOTEnterGainVspd_Kph_u9p7[1]           | 32640        |                |          |
| t_EOTEnterGainVspd_Kph_u9p7[2]           | 32640        |                |          |
| t_EOTEnterGainVspd_Kph_u9p7[3]           | 32640        |                |          |
| Name                                     | Actual Value | Expected Value | Result   |
| EOTActuatorMng_SESState_Uls_M_enum       | SES_NORMAL   | SES_NORMAL     | <b>✓</b> |

| Test Step 2.44 (Repeat Count = 1)        | <b>√</b>     |
|--|--------------|
| Name                                     | Input Value  |
| EOTActuatorMng_OutputRampMultLtd_M_f32   | 0.702000022  |
| EOTActuatorMng_SESState_Uls_M_enum       | SES_ENTERING |
| EOTDet_Cnt_T_lgc                         | 1            |
| EOTDisable_Cnt_T_lgc                     | 0            |
| FiltHwTrq_HwNm_T_f32                     | 1.70000005   |
| HandWheelAuth_Uls_T_f32                  | 0.8125       |
| HandWheelPos_HwDeg_T_f32                 | -222.011002  |
| LimitPosition_HwDeg_T_f32                | 888.046997   |
| VehicleSpeed_Kph_T_f32                   | 16.0170002   |
| k_EOTActiveRegionBypassMaxThresh_Uls_f32 | 0.787        |
| k_EOTDeltaTrqThrsh_HwNm_u9p7             | 256          |
| k_EOTDynConf_Uls_u8p8                    | 205          |
| k_EOTImpSpdEn_Kph_u9p7                   | 4992         |
| t2_EOTEnterGainX_HwDeg_u12p4[0][0]       | 1792         |
| t2_EOTEnterGainX_HwDeg_u12p4[0][1]       | 5360         |
| t2_EOTEnterGainX_HwDeg_u12p4[0][2]       | 5376         |
| t2_EOTEnterGainX_HwDeg_u12p4[0][3]       | 5392         |
| t2_EOTEnterGainX_HwDeg_u12p4[1][0]       | 1488         |
| t2_EOTEnterGainX_HwDeg_u12p4[1][1]       | 4448         |
| t2_EOTEnterGainX_HwDeg_u12p4[1][2]       | 4464         |
| t2_EOTEnterGainX_HwDeg_u12p4[1][3]       | 4480         |
| t2_EOTEnterGainX_HwDeg_u12p4[2][0]       | 704          |
| t2_EOTEnterGainX_HwDeg_u12p4[2][1]       | 2096         |

2015-06-29, 18:49:35+0530



| Name                                  | Input Value  |                |        |
|---------------------------------------|--------------|----------------|--------|
| t2_EOTEnterGainX_HwDeg_u12p4[2][2]    | 2112         |                |        |
| t2_EOTEnterGainX_HwDeg_u12p4[2][3]    | 2128         |                |        |
| t2_EOTEnterGainX_HwDeg_u12p4[3][0]    | 1264         |                |        |
| t2_EOTEnterGainX_HwDeg_u12p4[3][1]    | 3776         |                |        |
| t2_EOTEnterGainX_HwDeg_u12p4[3][2]    | 3792         |                |        |
| t2_EOTEnterGainX_HwDeg_u12p4[3][3]    | 3808         |                |        |
| t2_EOTPosDepDmpTblX_HwDeg_u12p4[0][0] | 480          |                |        |
| t2_EOTPosDepDmpTblX_HwDeg_u12p4[0][1] | 624          |                |        |
| t2_EOTPosDepDmpTblX_HwDeg_u12p4[1][0] | 880          |                |        |
| t2_EOTPosDepDmpTblX_HwDeg_u12p4[1][1] | 1264         |                |        |
| t2_EOTPosDepDmpTblX_HwDeg_u12p4[2][0] | 1024         |                |        |
| t2_EOTPosDepDmpTblX_HwDeg_u12p4[2][1] | 1408         |                |        |
| t2_EOTPosDepDmpTblX_HwDeg_u12p4[3][0] | 736          |                |        |
| t2_EOTPosDepDmpTblX_HwDeg_u12p4[3][1] | 1120         |                |        |
| t_EOTEnterGainVspd_Kph_u9p7[0]        | 0            |                |        |
| t_EOTEnterGainVspd_Kph_u9p7[1]        | 640          |                |        |
| t_EOTEnterGainVspd_Kph_u9p7[2]        | 1280         |                |        |
| t_EOTEnterGainVspd_Kph_u9p7[3]        | 2560         |                |        |
| Name                                  | Actual Value | Expected Value | Result |
| EOTActuatorMng_SESState_Uls_M_enum    | SES_NORMAL   | SES_NORMAL     | ~      |

| Test Step 2.45 (Repeat Count = 1)        |              |                |        |
|--|--------------|----------------|--------|
| Name                                     | Input Value  |                |        |
| EOTActuatorMng_OutputRampMultLtd_M_f32   | 0.850000024  |                |        |
| EOTActuatorMng_SESState_Uls_M_enum       | SES_NORMAL   |                |        |
| EOTDet_Cnt_T_lgc                         | 1            |                |        |
| EOTDisable_Cnt_T_lgc                     | 0            |                |        |
| FiltHwTrq_HwNm_T_f32                     | -2.5999999   |                |        |
| HandWheelAuth_Uls_T_f32                  | 0.89999976   |                |        |
| HandWheelPos_HwDeg_T_f32                 | 500.049988   |                |        |
| LimitPosition_HwDeg_T_f32                | 700.093994   |                |        |
| VehicleSpeed_Kph_T_f32                   | 18.375       |                |        |
| k_EOTActiveRegionBypassMaxThresh_Uls_f32 | 0.335000008  |                |        |
| k_EOTDeltaTrqThrsh_HwNm_u9p7             | 0            |                |        |
| k_EOTDynConf_Uls_u8p8                    | 205          |                |        |
| k_EOTImpSpdEn_Kph_u9p7                   | 5120         |                |        |
| t2_EOTEnterGainX_HwDeg_u12p4[0][0]       | 1808         |                |        |
| t2_EOTEnterGainX_HwDeg_u12p4[0][1]       | 5408         |                |        |
| t2_EOTEnterGainX_HwDeg_u12p4[0][2]       | 5424         |                |        |
| t2_EOTEnterGainX_HwDeg_u12p4[0][3]       | 5440         |                |        |
| t2_EOTEnterGainX_HwDeg_u12p4[1][0]       | 1504         |                |        |
| t2_EOTEnterGainX_HwDeg_u12p4[1][1]       | 4496         |                |        |
| t2_EOTEnterGainX_HwDeg_u12p4[1][2]       | 4512         |                |        |
| t2_EOTEnterGainX_HwDeg_u12p4[1][3]       | 4528         |                |        |
| t2_EOTEnterGainX_HwDeg_u12p4[2][0]       | 720          |                |        |
| t2_EOTEnterGainX_HwDeg_u12p4[2][1]       | 2144         |                |        |
| t2_EOTEnterGainX_HwDeg_u12p4[2][2]       | 2160         |                |        |
| t2_EOTEnterGainX_HwDeg_u12p4[2][3]       | 2176         |                |        |
| t2_EOTEnterGainX_HwDeg_u12p4[3][0]       | 1280         |                |        |
| t2_EOTEnterGainX_HwDeg_u12p4[3][1]       | 3824         |                |        |
| t2_EOTEnterGainX_HwDeg_u12p4[3][2]       | 3840         |                |        |
| t2 EOTEnterGainX HwDeg u12p4[3][3]       | 3856         |                |        |
| t2_EOTPosDepDmpTblX_HwDeg_u12p4[0][0]    | 496          |                |        |
| t2_EOTPosDepDmpTblX_HwDeg_u12p4[0][1]    | 640          |                |        |
| t2_EOTPosDepDmpTblX_HwDeg_u12p4[1][0]    | 896          |                |        |
| t2_EOTPosDepDmpTblX_HwDeg_u12p4[1][1]    | 1280         |                |        |
| t2_EOTPosDepDmpTblX_HwDeg_u12p4[2][0]    | 1040         |                |        |
| t2 EOTPosDepDmpTbIX HwDeg u12p4[2][1]    | 1424         |                |        |
| t2_EOTPosDepDmpTblX_HwDeg_u12p4[3][0]    | 752          |                |        |
| t2 EOTPosDepDmpTbIX HwDeg u12p4[3][1]    | 1136         |                |        |
| t EOTEnterGainVspd Kph u9p7[0]           | 0            |                |        |
| t EOTEnterGainVspd Kph u9p7[1]           | 640          |                |        |
| t EOTEnterGainVspd Kph u9p7[2]           | 1408         |                |        |
| t EOTEnterGainVspd Kph u9p7[3]           | 2560         |                |        |
| Name                                     | Actual Value | Expected Value | Result |
| EOTActuatorMng SESState Uls M enum       | SES EXITING  | SES EXITING    | rtooun |





| Test Step 2.46 (Repeat Count = 1)        |              |                |          |
|--|--------------|----------------|----------|
| Name                                     | Input Value  |                |          |
| EOTActuatorMng_OutputRampMultLtd_M_f32   | 0.0860000029 |                |          |
| EOTActuatorMng_SESState_Uls_M_enum       | SES_ENTERING |                |          |
| EOTDet_Cnt_T_lgc                         | 1            |                |          |
| EOTDisable_Cnt_T_lgc                     | 0            |                |          |
| FiltHwTrq_HwNm_T_f32                     | 3.33999991   |                |          |
| HandWheelAuth_Uls_T_f32                  | 0.910000026  |                |          |
| HandWheelPos_HwDeg_T_f32                 | 600.059998   |                |          |
| LimitPosition_HwDeg_T_f32                | 701.039978   |                |          |
| VehicleSpeed_Kph_T_f32                   | 20.4580002   |                |          |
| k_EOTActiveRegionBypassMaxThresh_Uls_f32 | 0.0920000002 |                |          |
| k_EOTDeltaTrqThrsh_HwNm_u9p7             | 1280         |                |          |
| k_EOTDynConf_Uls_u8p8                    | 230          |                |          |
| k_EOTImpSpdEn_Kph_u9p7                   | 5248         |                |          |
| t2_EOTEnterGainX_HwDeg_u12p4[0][0]       | 1824         |                |          |
| t2_EOTEnterGainX_HwDeg_u12p4[0][1]       | 5456         |                |          |
| t2_EOTEnterGainX_HwDeg_u12p4[0][2]       | 5472         |                |          |
| t2_EOTEnterGainX_HwDeg_u12p4[0][3]       | 5488         |                |          |
| t2_EOTEnterGainX_HwDeg_u12p4[1][0]       | 1520         |                |          |
| t2_EOTEnterGainX_HwDeg_u12p4[1][1]       | 4544         |                |          |
| t2_EOTEnterGainX_HwDeg_u12p4[1][2]       | 4560         |                |          |
| t2_EOTEnterGainX_HwDeg_u12p4[1][3]       | 4576         |                |          |
| t2_EOTEnterGainX_HwDeg_u12p4[2][0]       | 736          |                |          |
| t2_EOTEnterGainX_HwDeg_u12p4[2][1]       | 2192         |                |          |
| t2_EOTEnterGainX_HwDeg_u12p4[2][2]       | 2208         |                |          |
| t2_EOTEnterGainX_HwDeg_u12p4[2][3]       | 2224         |                |          |
| t2_EOTEnterGainX_HwDeg_u12p4[3][0]       | 160          |                |          |
| t2_EOTEnterGainX_HwDeg_u12p4[3][1]       | 352          |                |          |
| t2_EOTEnterGainX_HwDeg_u12p4[3][2]       | 480          |                |          |
| t2_EOTEnterGainX_HwDeg_u12p4[3][3]       | 704          |                |          |
| t2_EOTPosDepDmpTblX_HwDeg_u12p4[0][0]    | 512          |                |          |
| t2_EOTPosDepDmpTblX_HwDeg_u12p4[0][1]    | 656          |                |          |
| t2_EOTPosDepDmpTblX_HwDeg_u12p4[1][0]    | 912          |                |          |
| t2_EOTPosDepDmpTblX_HwDeg_u12p4[1][1]    | 1296         |                |          |
| t2_EOTPosDepDmpTblX_HwDeg_u12p4[2][0]    | 1056         |                |          |
| t2_EOTPosDepDmpTblX_HwDeg_u12p4[2][1]    | 1440         |                |          |
| t2_EOTPosDepDmpTblX_HwDeg_u12p4[3][0]    | 768          |                |          |
| t2_EOTPosDepDmpTblX_HwDeg_u12p4[3][1]    | 1152         |                |          |
| t_EOTEnterGainVspd_Kph_u9p7[0]           | 1280         |                |          |
| t_EOTEnterGainVspd_Kph_u9p7[1]           | 2560         |                |          |
| t_EOTEnterGainVspd_Kph_u9p7[2]           | 3840         |                |          |
| t_EOTEnterGainVspd_Kph_u9p7[3]           | 5120         |                |          |
| Name                                     | Actual Value | Expected Value | Result   |
| EOTActuatorMng_SESState_Uls_M_enum       | SES ENTERING | SES ENTERING   | , 100 di |

| Test Step 2.47 (Repeat Count = 1)        | ·           |
|--|-------------|
| Name                                     | Input Value |
| EOTActuatorMng_OutputRampMultLtd_M_f32   | 0.61500001  |
| EOTActuatorMng_SESState_Uls_M_enum       | SES_NORMAL  |
| EOTDet_Cnt_T_lgc                         | 1           |
| EOTDisable_Cnt_T_lgc                     | 0           |
| FiltHwTrq_HwNm_T_f32                     | -4.28000021 |
| HandWheelAuth_Uls_T_f32                  | 0.920000017 |
| HandWheelPos_HwDeg_T_f32                 | 897.789978  |
| LimitPosition_HwDeg_T_f32                | 712.060974  |
| VehicleSpeed_Kph_T_f32                   | 25.4559994  |
| k_EOTActiveRegionBypassMaxThresh_Uls_f32 | 0.526000023 |
| k_EOTDeltaTrqThrsh_HwNm_u9p7             | 128         |
| k_EOTDynConf_Uls_u8p8                    | 233         |
| k_EOTImpSpdEn_Kph_u9p7                   | 5376        |
| t2_EOTEnterGainX_HwDeg_u12p4[0][0]       | 1840        |
| t2_EOTEnterGainX_HwDeg_u12p4[0][1]       | 5504        |
| t2_EOTEnterGainX_HwDeg_u12p4[0][2]       | 5520        |
| t2_EOTEnterGainX_HwDeg_u12p4[0][3]       | 5536        |
| t2_EOTEnterGainX_HwDeg_u12p4[1][0]       | 1536        |
| t2_EOTEnterGainX_HwDeg_u12p4[1][1]       | 4592        |
| t2_EOTEnterGainX_HwDeg_u12p4[1][2]       | 4608        |
| t2_EOTEnterGainX_HwDeg_u12p4[1][3]       | 4624        |
| t2_EOTEnterGainX_HwDeg_u12p4[2][0]       | 752         |
| t2_EOTEnterGainX_HwDeg_u12p4[2][1]       | 2240        |

2015-06-29, 18:49:35+0530



| Name                                  | Input Value  |                |        |
|---------------------------------------|--------------|----------------|--------|
| t2_EOTEnterGainX_HwDeg_u12p4[2][2]    | 2256         |                |        |
| t2_EOTEnterGainX_HwDeg_u12p4[2][3]    | 2272         |                |        |
| t2_EOTEnterGainX_HwDeg_u12p4[3][0]    | 800          |                |        |
| t2_EOTEnterGainX_HwDeg_u12p4[3][1]    | 960          |                |        |
| t2_EOTEnterGainX_HwDeg_u12p4[3][2]    | 1120         |                |        |
| t2_EOTEnterGainX_HwDeg_u12p4[3][3]    | 1280         |                |        |
| t2_EOTPosDepDmpTblX_HwDeg_u12p4[0][0] | 320          |                |        |
| t2_EOTPosDepDmpTblX_HwDeg_u12p4[0][1] | 480          |                |        |
| t2_EOTPosDepDmpTblX_HwDeg_u12p4[1][0] | 928          |                |        |
| t2_EOTPosDepDmpTblX_HwDeg_u12p4[1][1] | 1312         |                |        |
| t2_EOTPosDepDmpTblX_HwDeg_u12p4[2][0] | 1072         |                |        |
| t2_EOTPosDepDmpTblX_HwDeg_u12p4[2][1] | 1456         |                |        |
| t2_EOTPosDepDmpTblX_HwDeg_u12p4[3][0] | 784          |                |        |
| t2_EOTPosDepDmpTblX_HwDeg_u12p4[3][1] | 1168         |                |        |
| t_EOTEnterGainVspd_Kph_u9p7[0]        | 6400         |                |        |
| t_EOTEnterGainVspd_Kph_u9p7[1]        | 7680         |                |        |
| t_EOTEnterGainVspd_Kph_u9p7[2]        | 8960         |                |        |
| t_EOTEnterGainVspd_Kph_u9p7[3]        | 10240        |                |        |
| Name                                  | Actual Value | Expected Value | Result |
| EOTActuatorMng_SESState_Uls_M_enum    | SES_EXITING  | SES_EXITING    | ~      |

| Name                                     | Input Value  |                |       |
|--|--------------|----------------|-------|
| EOTActuatorMng OutputRampMultLtd M f32   | 0            |                |       |
| EOTActuatorMng SESState Uls M enum       | SES ENTERING |                |       |
| EOTDet_Cnt_T_lgc                         | 1            |                |       |
| EOTDisable Cnt T Igc                     | 0            |                |       |
| FiltHwTrq HwNm T f32                     | 9.5          |                |       |
| HandWheelAuth Uls T f32                  | 0.879999995  |                |       |
| HandWheelPos HwDeg T f32                 | -333.212006  |                |       |
| LimitPosition_HwDeg_T_f32                | 777.049988   |                |       |
| VehicleSpeed Kph T f32                   | 14.1569996   |                |       |
| k EOTActiveRegionBypassMaxThresh Uls f32 | 0.375        |                |       |
| k_EOTDeltaTrqThrsh_HwNm_u9p7             | 512          |                |       |
| k EOTDynConf Uls u8p8                    | 18           |                |       |
| k EOTImpSpdEn Kph u9p7                   | 4736         |                |       |
| t2_EOTEnterGainX_HwDeg_u12p4[0][0]       | 1760         |                |       |
| t2 EOTEnterGainX HwDeg u12p4[0][1]       | 5264         |                |       |
| t2 EOTEnterGainX HwDeg u12p4[0][2]       | 5280         |                |       |
| t2_EOTEnterGainX_HwDeg_u12p4[0][3]       | 5296         |                |       |
| t2 EOTEnterGainX HwDeg u12p4[1][0]       | 1456         |                |       |
| t2_EOTEnterGainX_HwDeg_u12p4[1][1]       | 4352         |                |       |
| t2 EOTEnterGainX HwDeg u12p4[1][2]       | 4368         |                |       |
| t2_EOTEnterGainX_HwDeg_u12p4[1][3]       | 4384         |                |       |
| t2_EOTEnterGainX_HwDeg_u12p4[2][0]       | 672          |                |       |
| t2_EOTEnterGainX_HwDeg_u12p4[2][1]       | 2000         |                |       |
| t2 EOTEnterGainX HwDeg u12p4[2][2]       | 2016         |                |       |
| t2_EOTEnterGainX_HwDeg_u12p4[2][3]       | 2032         |                |       |
| t2 EOTEnterGainX HwDeg u12p4[3][0]       | 1232         |                |       |
| t2 EOTEnterGainX HwDeg u12p4[3][1]       | 3680         |                |       |
| t2_EOTEnterGainX_HwDeg_u12p4[3][2]       | 3696         |                |       |
| t2 EOTEnterGainX HwDeg u12p4[3][3]       | 3712         |                |       |
| t2_EOTPosDepDmpTbIX_HwDeg_u12p4[0][0]    | 448          |                |       |
| t2_EOTPosDepDmpTblX_HwDeg_u12p4[0][1]    | 592          |                |       |
| t2 EOTPosDepDmpTblX HwDeg u12p4[1][0]    | 848          |                |       |
| t2_EOTPosDepDmpTblX_HwDeg_u12p4[1][1]    | 1232         |                |       |
| t2_EOTPosDepDmpTblX_HwDeg_u12p4[2][0]    | 992          |                |       |
| t2_EOTPosDepDmpTblX_HwDeg_u12p4[2][1]    | 1376         |                |       |
| t2_EOTPosDepDmpTblX_HwDeg_u12p4[3][0]    | 704          |                |       |
| t2_EOTPosDepDmpTblX_HwDeg_u12p4[3][1]    | 1088         |                |       |
| t_EOTEnterGainVspd_Kph_u9p7[0]           | 7040         |                |       |
| t_EOTEnterGainVspd_Kph_u9p7[1]           | 20992        |                |       |
| t_EOTEnterGainVspd_Kph_u9p7[2]           | 21120        |                |       |
| t_EOTEnterGainVspd_Kph_u9p7[3]           | 21248        |                |       |
| Name                                     | Actual Value | Expected Value | Resul |
| EOTActuatorMng SESState Uls M enum       | SES NORMAL   | SES NORMAL     |       |





| Test Step 2.49 (Repeat Count = 1)        |              |                | <b>✓</b> |
|--|--------------|----------------|----------|
| Name                                     | Input Value  |                |          |
| EOTActuatorMng_OutputRampMultLtd_M_f32   | 1            |                |          |
| EOTActuatorMng_SESState_Uls_M_enum       | SES_NORMAL   |                |          |
| EOTDet_Cnt_T_lgc                         | 1            |                |          |
| EOTDisable_Cnt_T_lgc                     | 0            |                |          |
| FiltHwTrq_HwNm_T_f32                     | -9.5         |                |          |
| HandWheelAuth_Uls_T_f32                  | 0.899999976  |                |          |
| HandWheelPos_HwDeg_T_f32                 | 333.313995   |                |          |
| LimitPosition_HwDeg_T_f32                | -777.067017  |                |          |
| VehicleSpeed_Kph_T_f32                   | 15.0469999   |                |          |
| k_EOTActiveRegionBypassMaxThresh_Uls_f32 | 0.519999981  |                |          |
| k_EOTDeltaTrqThrsh_HwNm_u9p7             | 384          |                |          |
| k_EOTDynConf_Uls_u8p8                    | 205          |                |          |
| k_EOTImpSpdEn_Kph_u9p7                   | 4864         |                |          |
| t2_EOTEnterGainX_HwDeg_u12p4[0][0]       | 1776         |                |          |
| t2_EOTEnterGainX_HwDeg_u12p4[0][1]       | 5312         |                |          |
| t2_EOTEnterGainX_HwDeg_u12p4[0][2]       | 5328         |                |          |
| t2_EOTEnterGainX_HwDeg_u12p4[0][3]       | 5344         |                |          |
| t2_EOTEnterGainX_HwDeg_u12p4[1][0]       | 1472         |                |          |
| t2_EOTEnterGainX_HwDeg_u12p4[1][1]       | 4400         |                |          |
| t2_EOTEnterGainX_HwDeg_u12p4[1][2]       | 4416         |                |          |
| t2_EOTEnterGainX_HwDeg_u12p4[1][3]       | 4432         |                |          |
| t2_EOTEnterGainX_HwDeg_u12p4[2][0]       | 688          |                |          |
| t2_EOTEnterGainX_HwDeg_u12p4[2][1]       | 2048         |                |          |
| t2_EOTEnterGainX_HwDeg_u12p4[2][2]       | 2064         |                |          |
| t2_EOTEnterGainX_HwDeg_u12p4[2][3]       | 2080         |                |          |
| t2_EOTEnterGainX_HwDeg_u12p4[3][0]       | 1248         |                |          |
| t2_EOTEnterGainX_HwDeg_u12p4[3][1]       | 3728         |                |          |
| t2_EOTEnterGainX_HwDeg_u12p4[3][2]       | 3744         |                |          |
| t2_EOTEnterGainX_HwDeg_u12p4[3][3]       | 3760         |                |          |
| t2_EOTPosDepDmpTblX_HwDeg_u12p4[0][0]    | 464          |                |          |
| t2_EOTPosDepDmpTblX_HwDeg_u12p4[0][1]    | 608          |                |          |
| t2_EOTPosDepDmpTblX_HwDeg_u12p4[1][0]    | 864          |                |          |
| t2_EOTPosDepDmpTblX_HwDeg_u12p4[1][1]    | 1248         |                |          |
| t2_EOTPosDepDmpTbIX_HwDeg_u12p4[2][0]    | 1008         |                |          |
| t2_EOTPosDepDmpTbIX_HwDeg_u12p4[2][1]    | 1392         |                |          |
| t2_EOTPosDepDmpTbIX_HwDeg_u12p4[3][0]    | 720          |                |          |
| t2_EOTPosDepDmpTbIX_HwDeg_u12p4[3][1]    | 1104         |                |          |
| t_EOTEnterGainVspd_Kph_u9p7[0]           | 7168         |                |          |
| t_EOTEnterGainVspd_Kph_u9p7[1]           | 21376        |                |          |
| t_EOTEnterGainVspd_Kph_u9p7[2]           | 21504        |                |          |
| t_EOTEnterGainVspd_Kph_u9p7[3]           | 21632        |                |          |
| Name                                     | Actual Value | Expected Value | Result   |
| EOTActuatorMng_SESState_Uls_M_enum       | SES_NORMAL   | SES_NORMAL     | ~        |

| Test Step 2.50 (Repeat Count = 1)        | <b>✓</b>     |
|--|--------------|
| Name                                     | Input Value  |
| EOTActuatorMng_OutputRampMultLtd_M_f32   | 0.637000024  |
| EOTActuatorMng_SESState_Uls_M_enum       | SES_ENTERING |
| EOTDet_Cnt_T_lgc                         | 1            |
| EOTDisable_Cnt_T_lgc                     | 0            |
| FiltHwTrq_HwNm_T_f32                     | 1.70000005   |
| HandWheelAuth_Uls_T_f32                  | 0.8125       |
| HandWheelPos_HwDeg_T_f32                 | -222.011002  |
| LimitPosition_HwDeg_T_f32                | 888.046997   |
| VehicleSpeed_Kph_T_f32                   | 16.0170002   |
| k_EOTActiveRegionBypassMaxThresh_Uls_f32 | 0.842999995  |
| k_EOTDeltaTrqThrsh_HwNm_u9p7             | 256          |
| k_EOTDynConf_Uls_u8p8                    | 205          |
| k_EOTImpSpdEn_Kph_u9p7                   | 4992         |
| t2_EOTEnterGainX_HwDeg_u12p4[0][0]       | 1792         |
| t2_EOTEnterGainX_HwDeg_u12p4[0][1]       | 5360         |
| t2_EOTEnterGainX_HwDeg_u12p4[0][2]       | 5376         |
| t2_EOTEnterGainX_HwDeg_u12p4[0][3]       | 5392         |
| t2_EOTEnterGainX_HwDeg_u12p4[1][0]       | 1488         |
| t2_EOTEnterGainX_HwDeg_u12p4[1][1]       | 4448         |
| t2_EOTEnterGainX_HwDeg_u12p4[1][2]       | 4464         |
| t2_EOTEnterGainX_HwDeg_u12p4[1][3]       | 4480         |
| t2_EOTEnterGainX_HwDeg_u12p4[2][0]       | 704          |
| t2_EOTEnterGainX_HwDeg_u12p4[2][1]       | 2096         |

2015-06-29, 18:49:35+0530



| Name                                  | Input Value  |                |        |
|---------------------------------------|--------------|----------------|--------|
| t2_EOTEnterGainX_HwDeg_u12p4[2][2]    | 2112         |                |        |
| t2_EOTEnterGainX_HwDeg_u12p4[2][3]    | 2128         |                |        |
| t2_EOTEnterGainX_HwDeg_u12p4[3][0]    | 1264         |                |        |
| t2_EOTEnterGainX_HwDeg_u12p4[3][1]    | 3776         |                |        |
| t2_EOTEnterGainX_HwDeg_u12p4[3][2]    | 3792         |                |        |
| t2_EOTEnterGainX_HwDeg_u12p4[3][3]    | 3808         |                |        |
| t2_EOTPosDepDmpTblX_HwDeg_u12p4[0][0] | 480          |                |        |
| t2_EOTPosDepDmpTblX_HwDeg_u12p4[0][1] | 624          |                |        |
| t2_EOTPosDepDmpTbIX_HwDeg_u12p4[1][0] | 880          |                |        |
| t2_EOTPosDepDmpTblX_HwDeg_u12p4[1][1] | 1264         |                |        |
| t2_EOTPosDepDmpTbIX_HwDeg_u12p4[2][0] | 1024         |                |        |
| t2_EOTPosDepDmpTblX_HwDeg_u12p4[2][1] | 1408         |                |        |
| t2_EOTPosDepDmpTbIX_HwDeg_u12p4[3][0] | 736          |                |        |
| t2_EOTPosDepDmpTblX_HwDeg_u12p4[3][1] | 1120         |                |        |
| t_EOTEnterGainVspd_Kph_u9p7[0]        | 7296         |                |        |
| t_EOTEnterGainVspd_Kph_u9p7[1]        | 21760        |                |        |
| t_EOTEnterGainVspd_Kph_u9p7[2]        | 21888        |                |        |
| t_EOTEnterGainVspd_Kph_u9p7[3]        | 22016        |                |        |
| Name                                  | Actual Value | Expected Value | Result |
| EOTActuatorMng_SESState_Uls_M_enum    | SES_NORMAL   | SES_NORMAL     | •      |

| Test Step 2.51 (Repeat Count = 1)        |              |                |        |
|--|--------------|----------------|--------|
| Name                                     | Input Value  |                |        |
| EOTActuatorMng_OutputRampMultLtd_M_f32   | 0.559000015  |                |        |
| EOTActuatorMng_SESState_Uls_M_enum       | SES_NORMAL   |                |        |
| EOTDet_Cnt_T_lgc                         | 1            |                |        |
| EOTDisable_Cnt_T_lgc                     | 0            |                |        |
| FiltHwTrq_HwNm_T_f32                     | -2.5999999   |                |        |
| HandWheelAuth_Uls_T_f32                  | 0.89999976   |                |        |
| HandWheelPos_HwDeg_T_f32                 | 500.049988   |                |        |
| LimitPosition_HwDeg_T_f32                | 700.093994   |                |        |
| VehicleSpeed_Kph_T_f32                   | 18.375       |                |        |
| k_EOTActiveRegionBypassMaxThresh_Uls_f32 | 0            |                |        |
| k_EOTDeltaTrqThrsh_HwNm_u9p7             | 896          |                |        |
| k_EOTDynConf_Uls_u8p8                    | 205          |                |        |
| k_EOTImpSpdEn_Kph_u9p7                   | 5120         |                |        |
| t2_EOTEnterGainX_HwDeg_u12p4[0][0]       | 1808         |                |        |
| t2_EOTEnterGainX_HwDeg_u12p4[0][1]       | 5408         |                |        |
| t2_EOTEnterGainX_HwDeg_u12p4[0][2]       | 5424         |                |        |
| t2_EOTEnterGainX_HwDeg_u12p4[0][3]       | 5440         |                |        |
| t2_EOTEnterGainX_HwDeg_u12p4[1][0]       | 1504         |                |        |
| t2_EOTEnterGainX_HwDeg_u12p4[1][1]       | 4496         |                |        |
| t2_EOTEnterGainX_HwDeg_u12p4[1][2]       | 4512         |                |        |
| t2_EOTEnterGainX_HwDeg_u12p4[1][3]       | 4528         |                |        |
| t2_EOTEnterGainX_HwDeg_u12p4[2][0]       | 720          |                |        |
| t2_EOTEnterGainX_HwDeg_u12p4[2][1]       | 2144         |                |        |
| t2_EOTEnterGainX_HwDeg_u12p4[2][2]       | 2160         |                |        |
| t2_EOTEnterGainX_HwDeg_u12p4[2][3]       | 2176         |                |        |
| t2_EOTEnterGainX_HwDeg_u12p4[3][0]       | 1280         |                |        |
| t2_EOTEnterGainX_HwDeg_u12p4[3][1]       | 3824         |                |        |
| t2_EOTEnterGainX_HwDeg_u12p4[3][2]       | 3840         |                |        |
| t2_EOTEnterGainX_HwDeg_u12p4[3][3]       | 3856         |                |        |
| t2_EOTPosDepDmpTblX_HwDeg_u12p4[0][0]    | 496          |                |        |
| t2_EOTPosDepDmpTblX_HwDeg_u12p4[0][1]    | 640          |                |        |
| t2_EOTPosDepDmpTblX_HwDeg_u12p4[1][0]    | 896          |                |        |
| t2_EOTPosDepDmpTblX_HwDeg_u12p4[1][1]    | 1280         |                |        |
| t2_EOTPosDepDmpTblX_HwDeg_u12p4[2][0]    | 1040         |                |        |
| t2_EOTPosDepDmpTblX_HwDeg_u12p4[2][1]    | 1424         |                |        |
| t2_EOTPosDepDmpTblX_HwDeg_u12p4[3][0]    | 752          |                |        |
| t2_EOTPosDepDmpTblX_HwDeg_u12p4[3][1]    | 1136         |                |        |
| t_EOTEnterGainVspd_Kph_u9p7[0]           | 0            |                |        |
| t EOTEnterGainVspd Kph u9p7[1]           | 640          |                |        |
| t_EOTEnterGainVspd_Kph_u9p7[2]           | 1408         |                |        |
| t_EOTEnterGainVspd_Kph_u9p7[3]           | 2560         |                |        |
| Name                                     | Actual Value | Expected Value | Result |
| EOTActuatorMng SESState Uls M enum       | SES NORMAL   | SES NORMAL     | rtodun |





| Test Step 2.52 (Repeat Count = 1)        |              |                | <b>✓</b> |
|--|--------------|----------------|----------|
| Name                                     | Input Value  |                |          |
| EOTActuatorMng_OutputRampMultLtd_M_f32   | 0.10000001   |                |          |
| EOTActuatorMng_SESState_Uls_M_enum       | SES_ENTERING |                |          |
| EOTDet_Cnt_T_lgc                         | 1            |                |          |
| EOTDisable_Cnt_T_lgc                     | 0            |                |          |
| FiltHwTrq_HwNm_T_f32                     | 3.33999991   |                |          |
| HandWheelAuth_Uls_T_f32                  | 0.910000026  |                |          |
| HandWheelPos_HwDeg_T_f32                 | 600.059998   |                |          |
| LimitPosition_HwDeg_T_f32                | 701.039978   |                |          |
| VehicleSpeed_Kph_T_f32                   | 20.4580002   |                |          |
| k EOTActiveRegionBypassMaxThresh Uls f32 | 1            |                |          |
| k_EOTDeltaTrqThrsh_HwNm_u9p7             | 768          |                |          |
| k EOTDynConf Uls u8p8                    | 230          |                |          |
| k EOTImpSpdEn Kph u9p7                   | 5248         |                |          |
| t2 EOTEnterGainX HwDeg u12p4[0][0]       | 1824         |                |          |
| t2_EOTEnterGainX_HwDeg_u12p4[0][1]       | 5456         |                |          |
| t2 EOTEnterGainX HwDeg u12p4[0][2]       | 5472         |                |          |
| t2_EOTEnterGainX_HwDeg_u12p4[0][3]       | 5488         |                |          |
| t2_EOTEnterGainX_HwDeg_u12p4[1][0]       | 1520         |                |          |
| t2_EOTEnterGainX_HwDeg_u12p4[1][1]       | 4544         |                |          |
| t2_EOTEnterGainX_HwDeg_u12p4[1][2]       | 4560         |                |          |
| t2_EOTEnterGainX_HwDeg_u12p4[1][3]       | 4576         |                |          |
| t2_EOTEnterGainX_HwDeg_u12p4[2][0]       | 736          |                |          |
| t2_EOTEnterGainX_HwDeg_u12p4[2][1]       | 2192         |                |          |
| t2_EOTEnterGainX_HwDeg_u12p4[2][2]       | 2208         |                |          |
| t2_EOTEnterGainX_HwDeg_u12p4[2][3]       | 2224         |                |          |
| t2_EOTEnterGainX_HwDeg_u12p4[3][0]       | 160          |                |          |
| t2_EOTEnterGainX_HwDeg_u12p4[3][1]       | 352          |                |          |
| t2_EOTEnterGainX_HwDeg_u12p4[3][2]       | 480          |                |          |
| t2_EOTEnterGainX_HwDeg_u12p4[3][3]       | 704          |                |          |
| t2_EOTPosDepDmpTblX_HwDeg_u12p4[0][0]    | 512          |                |          |
| t2_EOTPosDepDmpTblX_HwDeg_u12p4[0][1]    | 656          |                |          |
| t2_EOTPosDepDmpTblX_HwDeg_u12p4[1][0]    | 912          |                |          |
| t2_EOTPosDepDmpTblX_HwDeg_u12p4[1][1]    | 1296         |                |          |
| t2_EOTPosDepDmpTblX_HwDeg_u12p4[2][0]    | 1056         |                |          |
| t2_EOTPosDepDmpTblX_HwDeg_u12p4[2][1]    | 1440         |                |          |
| t2_EOTPosDepDmpTblX_HwDeg_u12p4[3][0]    | 768          |                |          |
| t2_EOTPosDepDmpTblX_HwDeg_u12p4[3][1]    | 1152         |                |          |
| t_EOTEnterGainVspd_Kph_u9p7[0]           | 1280         |                |          |
| t_EOTEnterGainVspd_Kph_u9p7[1]           | 2560         |                |          |
| t_EOTEnterGainVspd_Kph_u9p7[2]           | 3840         |                |          |
| t_EOTEnterGainVspd_Kph_u9p7[3]           | 5120         |                |          |
| Name                                     | Actual Value | Expected Value | Result   |
| EOTActuatorMng_SESState_Uls_M_enum       | SES_ENTERING | SES_ENTERING   | ~        |

| Test Step 2.53 (Repeat Count = 1)        | <b>✓</b>     |
|--|--------------|
| Name                                     | Input Value  |
| EOTActuatorMng_OutputRampMultLtd_M_f32   | 0.0320000015 |
| EOTActuatorMng_SESState_Uls_M_enum       | SES_NORMAL   |
| EOTDet_Cnt_T_lgc                         | 1            |
| EOTDisable_Cnt_T_lgc                     | 0            |
| FiltHwTrq_HwNm_T_f32                     | -4.28000021  |
| HandWheelAuth_Uls_T_f32                  | 0.920000017  |
| HandWheelPos_HwDeg_T_f32                 | 897.789978   |
| LimitPosition_HwDeg_T_f32                | 712.060974   |
| VehicleSpeed_Kph_T_f32                   | 25.4559994   |
| k_EOTActiveRegionBypassMaxThresh_Uls_f32 | 0.519999981  |
| k_EOTDeltaTrqThrsh_HwNm_u9p7             | 640          |
| k_EOTDynConf_Uls_u8p8                    | 233          |
| k_EOTImpSpdEn_Kph_u9p7                   | 5376         |
| t2_EOTEnterGainX_HwDeg_u12p4[0][0]       | 1840         |
| t2_EOTEnterGainX_HwDeg_u12p4[0][1]       | 5504         |
| t2_EOTEnterGainX_HwDeg_u12p4[0][2]       | 5520         |
| t2_EOTEnterGainX_HwDeg_u12p4[0][3]       | 5536         |
| t2_EOTEnterGainX_HwDeg_u12p4[1][0]       | 1536         |
| t2_EOTEnterGainX_HwDeg_u12p4[1][1]       | 4592         |
| t2_EOTEnterGainX_HwDeg_u12p4[1][2]       | 4608         |
| t2_EOTEnterGainX_HwDeg_u12p4[1][3]       | 4624         |
| t2_EOTEnterGainX_HwDeg_u12p4[2][0]       | 752          |
| t2_EOTEnterGainX_HwDeg_u12p4[2][1]       | 2240         |

 ${\sf EOTActuatorMng\_SESState\_Uls\_M\_enum}$ 

SES StateCtrl

2015-06-29, 18:49:35+0530



Input Value t2\_EOTEnterGainX\_HwDeg\_u12p4[2][2] 2256 t2\_EOTEnterGainX\_HwDeg\_u12p4[2][3] 2272 t2\_EOTEnterGainX\_HwDeg\_u12p4[3][0] 800 t2\_EOTEnterGainX\_HwDeg\_u12p4[3][1] 960 t2\_EOTEnterGainX\_HwDeg\_u12p4[3][2] 1120 t2\_EOTEnterGainX\_HwDeg\_u12p4[3][3] 1280 t2\_EOTPosDepDmpTblX\_HwDeg\_u12p4[0][0] 320 t2\_EOTPosDepDmpTblX\_HwDeg\_u12p4[0][1] 480 t2\_EOTPosDepDmpTblX\_HwDeg\_u12p4[1][0] 928 t2\_EOTPosDepDmpTblX\_HwDeg\_u12p4[1][1] 1312 t2\_EOTPosDepDmpTblX\_HwDeg\_u12p4[2][0] 1072 t2\_EOTPosDepDmpTblX\_HwDeg\_u12p4[2][1] 1456 t2\_EOTPosDepDmpTblX\_HwDeg\_u12p4[3][0] 784 t2\_EOTPosDepDmpTblX\_HwDeg\_u12p4[3][1] 1168 t\_EOTEnterGainVspd\_Kph\_u9p7[0] 6400 t\_EOTEnterGainVspd\_Kph\_u9p7[1] 7680 8960 t\_EOTEnterGainVspd\_Kph\_u9p7[2] t\_EOTEnterGainVspd\_Kph\_u9p7[3] 10240 Name **Actual Value Expected Value** Result

SES\_NORMAL

SES\_NORMAL

| Test Step 2.54 (Repeat Count = 1)        |                |                |         |
|--|----------------|----------------|---------|
| Name                                     | Input Value    |                |         |
| EOTActuatorMng_OutputRampMultLtd_M_f32   | 0              |                |         |
| EOTActuatorMng_SESState_Uls_M_enum       | SES_DISABLED   |                |         |
| EOTDet_Cnt_T_lgc                         | 0              |                |         |
| EOTDisable_Cnt_T_lgc                     | 0              |                |         |
| FiltHwTrq_HwNm_T_f32                     | -10            |                |         |
| HandWheelAuth_Uls_T_f32                  | 0              |                |         |
| HandWheelPos_HwDeg_T_f32                 | -1440.10999    |                |         |
| LimitPosition_HwDeg_T_f32                | -1440.10999    |                |         |
| VehicleSpeed_Kph_T_f32                   | 0              |                |         |
| k_EOTActiveRegionBypassMaxThresh_Uls_f32 | 0              |                |         |
| k_EOTDeltaTrqThrsh_HwNm_u9p7             | 0              |                |         |
| k_EOTDynConf_Uls_u8p8                    | 0              |                |         |
| k_EOTImpSpdEn_Kph_u9p7                   | 0              |                |         |
| t2_EOTEnterGainX_HwDeg_u12p4[0][0]       | 0              |                |         |
| t2_EOTEnterGainX_HwDeg_u12p4[0][1]       | 0              |                |         |
| t2_EOTEnterGainX_HwDeg_u12p4[0][2]       | 0              |                |         |
| t2_EOTEnterGainX_HwDeg_u12p4[0][3]       | 0              |                |         |
| t2_EOTEnterGainX_HwDeg_u12p4[1][0]       | 0              |                |         |
| t2_EOTEnterGainX_HwDeg_u12p4[1][1]       | 0              |                |         |
| t2_EOTEnterGainX_HwDeg_u12p4[1][2]       | 0              |                |         |
| t2_EOTEnterGainX_HwDeg_u12p4[1][3]       | 0              |                |         |
| t2_EOTEnterGainX_HwDeg_u12p4[2][0]       | 0              |                |         |
| t2_EOTEnterGainX_HwDeg_u12p4[2][1]       | 0              |                |         |
| t2_EOTEnterGainX_HwDeg_u12p4[2][2]       | 0              |                |         |
| t2_EOTEnterGainX_HwDeg_u12p4[2][3]       | 0              |                |         |
| t2_EOTEnterGainX_HwDeg_u12p4[3][0]       | 0              |                |         |
| t2_EOTEnterGainX_HwDeg_u12p4[3][1]       | 0              |                |         |
| t2_EOTEnterGainX_HwDeg_u12p4[3][2]       | 0              |                |         |
| t2_EOTEnterGainX_HwDeg_u12p4[3][3]       | 0              |                |         |
| t2_EOTPosDepDmpTblX_HwDeg_u12p4[0][0]    | 0              |                |         |
| t2_EOTPosDepDmpTblX_HwDeg_u12p4[0][1]    | 0              |                |         |
| t2_EOTPosDepDmpTblX_HwDeg_u12p4[1][0]    | 0              |                |         |
| t2_EOTPosDepDmpTblX_HwDeg_u12p4[1][1]    | 0              |                |         |
| t2_EOTPosDepDmpTblX_HwDeg_u12p4[2][0]    | 0              |                |         |
| t2_EOTPosDepDmpTblX_HwDeg_u12p4[2][1]    | 0              |                |         |
| t2_EOTPosDepDmpTblX_HwDeg_u12p4[3][0]    | 0              |                |         |
| t2_EOTPosDepDmpTblX_HwDeg_u12p4[3][1]    | 0              |                |         |
| t_EOTEnterGainVspd_Kph_u9p7[0]           | 0              |                |         |
| t_EOTEnterGainVspd_Kph_u9p7[1]           | 0              |                |         |
| t_EOTEnterGainVspd_Kph_u9p7[2]           | 0              |                |         |
| t_EOTEnterGainVspd_Kph_u9p7[3]           | 0              |                |         |
| Name                                     | Actual Value E | Expected Value | Result  |
| EOTActuatorMng SESState Uls M enum       |                | SES DISABLED   | rtoouit |





| Test Step 2.55 (Repeat Count = 1)        |              |                | ✓      |
|--|--------------|----------------|--------|
| Name                                     | Input Value  |                |        |
| EOTActuatorMng_OutputRampMultLtd_M_f32   | 1            |                |        |
| EOTActuatorMng_SESState_Uls_M_enum       | SES_EXITING  |                |        |
| EOTDet_Cnt_T_lgc                         | 1            |                |        |
| EOTDisable_Cnt_T_lgc                     | 1            |                |        |
| FiltHwTrq_HwNm_T_f32                     | 10           |                |        |
| HandWheelAuth_Uls_T_f32                  | 1            |                |        |
| HandWheelPos_HwDeg_T_f32                 | 1440.10999   |                |        |
| LimitPosition_HwDeg_T_f32                | 1440.10999   |                |        |
| VehicleSpeed_Kph_T_f32                   | 511.992188   |                |        |
| k_EOTActiveRegionBypassMaxThresh_Uls_f32 | 1            |                |        |
| k_EOTDeltaTrqThrsh_HwNm_u9p7             | 1280         |                |        |
| k_EOTDynConf_Uls_u8p8                    | 65535        |                |        |
| k_EOTImpSpdEn_Kph_u9p7                   | 32640        |                |        |
| t2_EOTEnterGainX_HwDeg_u12p4[0][0]       | 14400        |                |        |
| t2_EOTEnterGainX_HwDeg_u12p4[0][1]       | 14400        |                |        |
| t2_EOTEnterGainX_HwDeg_u12p4[0][2]       | 14400        |                |        |
| t2_EOTEnterGainX_HwDeg_u12p4[0][3]       | 14400        |                |        |
| t2_EOTEnterGainX_HwDeg_u12p4[1][0]       | 14400        |                |        |
| t2_EOTEnterGainX_HwDeg_u12p4[1][1]       | 14400        |                |        |
| t2_EOTEnterGainX_HwDeg_u12p4[1][2]       | 14400        |                |        |
| t2_EOTEnterGainX_HwDeg_u12p4[1][3]       | 14400        |                |        |
| t2_EOTEnterGainX_HwDeg_u12p4[2][0]       | 14400        |                |        |
| t2_EOTEnterGainX_HwDeg_u12p4[2][1]       | 14400        |                |        |
| t2_EOTEnterGainX_HwDeg_u12p4[2][2]       | 14400        |                |        |
| t2_EOTEnterGainX_HwDeg_u12p4[2][3]       | 14400        |                |        |
| t2_EOTEnterGainX_HwDeg_u12p4[3][0]       | 14400        |                |        |
| t2_EOTEnterGainX_HwDeg_u12p4[3][1]       | 14400        |                |        |
| t2_EOTEnterGainX_HwDeg_u12p4[3][2]       | 14400        |                |        |
| t2_EOTEnterGainX_HwDeg_u12p4[3][3]       | 14400        |                |        |
| t2_EOTPosDepDmpTblX_HwDeg_u12p4[0][0]    | 5760         |                |        |
| t2_EOTPosDepDmpTblX_HwDeg_u12p4[0][1]    | 5760         |                |        |
| t2_EOTPosDepDmpTblX_HwDeg_u12p4[1][0]    | 5760         |                |        |
| t2_EOTPosDepDmpTblX_HwDeg_u12p4[1][1]    | 5760         |                |        |
| t2_EOTPosDepDmpTblX_HwDeg_u12p4[2][0]    | 5760         |                |        |
| t2_EOTPosDepDmpTblX_HwDeg_u12p4[2][1]    | 5760         |                |        |
| t2_EOTPosDepDmpTblX_HwDeg_u12p4[3][0]    | 5760         |                |        |
| t2_EOTPosDepDmpTblX_HwDeg_u12p4[3][1]    | 5760         |                |        |
| t_EOTEnterGainVspd_Kph_u9p7[0]           | 32640        |                |        |
| t_EOTEnterGainVspd_Kph_u9p7[1]           | 32640        |                |        |
| t_EOTEnterGainVspd_Kph_u9p7[2]           | 32640        |                |        |
| t_EOTEnterGainVspd_Kph_u9p7[3]           | 32640        |                |        |
| Name                                     | Actual Value | Expected Value | Result |
| EOTActuatorMng_SESState_Uls_M_enum       | SES_DISABLED | SES_DISABLED   | •      |

2015-06-29, 18:49:35+0530



Test Case 3: Path Test

SES\_StateCtrl

© Report created by TESSY V3.1.11, report template V2.1

2015-06-29, 18:49:35+0530



# SES\_StateCtrl Specification

Performance Metrics (With "None" Instrumentation and WithPS Environment)
CPU Cycles:

TS3.1 64 cycles TS3.2 269 cycles TS3.2 269 cycles TS3.3 403 cycles TS3.5 64 cycles TS3.5 69 cycles TS3.6 59 cycles TS3.7 403 cycles TS3.8 272 cycles TS3.9 404 cycles TS3.11 385 cycles TS3.11 385 cycles TS3.12 386 cycles TS3.13 261 cycles



#### Description

Vector Description  $TS3.1"((HandWheelAuth1\_Uls\_T\_f32 < FPM\_FixedToFloat\_m(k\_EOTDynConf\_Uls\_u8p8, u8p8\_T)) Or (VehicleSpeed2\_Kph\_T\_f32 > FPM\_FixedToFloat\_m(k\_EOTImpSpdEn\_Kph\_u9p7, u9p7\_T)) Or (EOTDet\_Cnt\_T\_lgc = False) Or (EOTDisable\_Cnt\_T\_lgc = True)) = FALSE (EOTDisable\_Cnt\_T_lgc = True) = FALSE (EOTDisable\_Cnt\_T_lgc = True)) = FALSE (EOTDisable$  $(Abs\_f32\_m(HandWheelPos5\_HwDeg\_T\_f32) <= (Abs\_f32\_m(LimitPosition1\_HwDeg\_T\_f32) - Max\_m(EOTEnterGainVal\_HwDeg\_T\_f32) - Max\_f32) - Max\_m(EOTENTERGainVal\_HwDeg\_T\_f32) - Max\_f32) - Max\_f32$ EOTPosDepDampVal\_HwDeg\_T\_f32)))=TRUE AND StatePriVectRes Uls T u16 = D SESSTATE PRI2 ULS U16  $TS3.2"((HandWheelAuth1\_Uls\_T\_f32 < FPM\_FixedToFloat\_m(k\_EOTDynConf\_Uls\_u8p8, u8p8\_T)) Or (VehicleSpeed2\_Kph\_T\_f32 > FPM\_FixedToFloat\_m(k\_EOTImpSpdEn\_Kph\_u9p7, u9p7\_T)) Or (EOTDet\_Cnt\_T\_lgc = False) Or (EOTDisable\_Cnt\_T\_lgc = True)) = FALSE (EOTDisable\_Cnt\_T_lgc = True) = FALSE (EOTDisable\_Cnt\_T_lgc = True)) = FALSE (EOTDisable$ AND ( EOTActuatorMng\_OutputRampMultLtd\_M\_f32 <= k\_EOTActiveRegionBypassMaxThresh\_Uls\_f32) && (SESNextState\_Uls\_T\_enum == SES\_DISABLED)) || (Abs\_f32\_m(HandWheelPos\_HwDeg\_T\_f32) <= (Abs\_f32\_m(LimitPosition\_HwDeg\_T\_f32) - Max\_m(EOTEnterGainVal\_HwDeg\_T\_f32, EOTPosDepDampVal\_HwDeg\_T\_f32) )) ))=FALSE AND (FiltHwTrg HwNm T f32 > EOTDeltaTrgThrsh HwNm T f32)=TRUE StatePriVectRes\_Uls\_T\_u16=D\_SESSTATE\_PRI3\_ULS\_U16 AND (SESState\_UIs\_M\_enum <> SES\_DISABLED)=TRUE" TS3.3"((HandWheelAuth1\_Uls\_T\_f32 < FPM\_FixedToFloat\_m(k\_EOTDynConf\_Uls\_u8p8, u8p8\_T)) Or (VehicleSpeed2\_Kph\_T\_f32 >= FPM\_FixedToFloat\_m(k\_EOTImpSpdEn\_Kph\_u9p7, u9p7\_T)) Or (EOTDet\_Cnt\_T\_lgc = False) Or (EOTDisable\_Cnt\_T\_lgc = True))=FALSE (Abs\_f32\_m(HandWheelPos5\_HwDeg\_T\_f32) <= (Abs\_f32\_m(LimitPosition1\_HwDeg\_T\_f32) - Max\_m(EOTEnterGainVal\_HwDeg\_T\_f32, EOTPosDepDampVal\_HwDeg\_T\_f32)))=FALSE AND (FiltHwTrq\_HwNm\_T\_f32 < (D\_MINUSONE\_ULS\_F32 \* EOTDeltaTrqThrsh\_HwNm\_T\_f32))=TRUE AND StatePriVectRes\_Uls\_T\_u16=D\_SESSTATE\_PRI4\_ULS\_U16 (SESState\_Uls\_M\_enum <> SES\_DISABLED)=TRUE"
TS3.4"((HandWheelAuth1\_Uls\_T\_f32 < FPM\_FixedToFloat\_m(k\_EOTDynConf\_Uls\_u8p8, u8p8\_T)) Or (VehicleSpeed2\_Kph\_T\_f32 >= FPM\_FixedToFloat\_m(k\_EOTImpSpdEn\_Kph\_u9p7, u9p7\_T)) Or (EOTDet\_Cnt\_T\_lgc = False) Or (EOTDisable\_Cnt\_T\_lgc = True))=TRUE AND StatePriVectRes\_Uls\_T\_u16= D\_SESSTATE\_PRI1\_ULS\_U16"
TS3.5"((HandWheelAuth1\_Uls\_T\_f32 < FPM\_FixedToFloat\_m(k\_EOTDynConf\_Uls\_u8p8, u8p8\_T)) Or (VehicleSpeed2\_Kph\_T\_f32 >= FPM\_FixedToFloat\_m(k\_EOTImpSpdEn\_Kph\_u9p7, u9p7\_T)) Or (EOTDet\_Cnt\_T\_gc = False) Or (EOTDisable\_Cnt\_T\_gc = True))=TRUE AND StatePriVectRes\_Uls\_T\_u16= D\_SESSTATE\_PRI1\_ULS\_U16" TS3.6"((HandWheelAuth1\_Uls\_T\_f32 < FPM\_FixedToFloat\_m(k\_EOTDynConf\_Uls\_u8p8, u8p8\_T)) Or (VehicleSpeed2\_Kph\_T\_f32 >= FPM\_FixedToFloat\_m(k\_EOTImpSpdEn\_Kph\_u9p7, u9p7\_T)) Or (EOTDet\_Cnt\_T\_lgc = False) Or (EOTDisable\_Cnt\_T\_lgc = True))=FALSE  $(Abs\_f32\_m(HandWheelPos5\_HwDeg\_T\_f32) <= (Abs\_f32\_m(LimitPosition1\_HwDeg\_T\_f32) - Max\_m(EOTEnterGainVal\_HwDeg\_T\_f32) - Max\_f32) - Max\_m(EOTENTERGainVal\_HwDeg\_T\_f32) - Max\_f32) - Max\_f32$ EOTPosDepDampVal\_HwDeg\_T\_f32)))=TRUE StatePriVectRes\_Uls\_T\_u16=D\_SESSTATE\_PRI2\_ULS\_U16"
TS3.7"((HandWheelAuth1\_Uls\_T\_f32 < FPM\_FixedToFloat\_m(k\_EOTDynConf\_Uls\_u8p8, u8p8\_T)) Or (VehicleSpeed2\_Kph\_T\_f32 >= FPM\_FixedToFloat\_m(k\_EOTImpSpdEn\_Kph\_u9p7, u9p7\_T)) Or (EOTDet\_Cnt\_T\_lgc = False) Or (EOTDisable\_Cnt\_T\_lgc = True))=FALSE (Abs\_f32\_m(HandWheelPos5\_HwDeg\_T\_f32) <= (Abs\_f32\_m(LimitPosition1\_HwDeg\_T\_f32) - Max\_m(EOTEnterGainVal\_HwDeg\_T\_f32, EOTPosDepDampVal\_HwDeg\_T\_f32)))=FALSE"
TS3.8"((HandWheelAuth1\_Uls\_T\_f32 < FPM\_FixedToFloat\_m(k\_EOTDynConf\_Uls\_u8p8, u8p8\_T)) Or (VehicleSpeed2\_Kph\_T\_f32 >= FPM\_FixedToFloat\_m(k\_EOTImpSpdEn\_Kph\_u9p7, u9p7\_T)) Or (EOTDet\_Cnt\_T\_lgc = False) Or (EOTDisable\_Cnt\_T\_lgc = True))=FALSE AND (Abs f32 m(HandWheelPos5 HwDeg T f32) <= (Abs f32 m(LimitPosition1 HwDeg T f32) - Max m(EOTEnterGainVal HwDeg T f32, EOTPosDepDampVal\_HwDeg\_T\_f32)))=FALSE AND (FiltHwTrq HwNm T f32 > EOTDeltaTrqThrsh HwNm T f32)=TRUE ÀND StatePriVectRes\_UIs\_T\_u16=D\_SESSTATE\_PRI3\_ULS\_U16 AND (SESState\_Uls\_M\_enum <> SES\_DISABLED)=FALSE" TS3.9"((HandWheelAuth1\_Uls\_\_f32 < FPM\_FixedToFloat\_m(k\_EOTDynConf\_Uls\_u8p8, u8p8\_T)) Or (VehicleSpeed2\_Kph\_T\_f32 >= FPM\_FixedToFloat\_m(k\_EOTImpSpdEn\_Kph\_u9p7, u9p7\_T)) Or (EOTDet\_Cnt\_T\_lgc = False) Or (EOTDisable\_Cnt\_T\_lgc = True))=FALSE (Abs\_f32\_m(HandWheelPos5\_HwDeg\_T\_f32) <= (Abs\_f32\_m(LimitPosition1\_HwDeg\_T\_f32) - Max\_m(EOTEnterGainVal\_HwDeg\_T\_f32, EOTPosDepDampVal\_HwDeg\_T\_f32)))=FALSE  $(FiltHwTrq\_HwNm\_T\_f32 < (D\_MINUSONE\_ULS\_F32 * EOTDeltaTrqThrsh\_HwNm\_T\_f32)) = TRUE$ AND StatePriVectRes Uls T u16=D SESSTATE PRI4 ULS U16 (SESState\_UIs\_M\_enum <> SES\_DISABLED)=FALSE TS3.10"( EOTActuatorMng\_OutputRampMultLtd\_M\_f32 <= k\_EOTActiveRegionBypassMaxThresh\_Uls\_f32) && (SESNextState\_Uls\_T\_enum == SES\_DISABLED)) || (Abs\_f32\_m(HandWheelPos\_HwDeg\_T\_f32) <= (Abs\_f32\_m(LimitPosition\_HwDeg\_T\_f32) - Max\_m(EOTEnterGainVal\_HwDeg\_T\_f32, TS3.13(StatePriVectRes\_UIs\_T\_u16 = D\_SESSTATE\_PRI4\_ULS\_U16) AND (EOTActuatorMng\_SESState\_UIs\_M\_enum !=

| Test Step 3.1 (Repeat Count = 1)       |             | <b>✓</b> |
|--|-------------|----------|
| Name                                   | Input Value |          |
| EOTActuatorMng_OutputRampMultLtd_M_f32 | 0.172000006 |          |
| EOTActuatorMng_SESState_Uls_M_enum     | SES_NORMAL  |          |
| EOTDet_Cnt_T_lgc                       | 1           |          |

TS3.14(StatePriVectRes\_Uls\_T\_u16 = D\_SESSTATE\_PRI3\_ULS\_U16) AND (EOTActuatorMng\_SESState\_Uls\_M\_enum !=

SES\_DISABLED)=> FALSE

SES DISABLED)=> FALSE

2015-06-29, 18:49:35+0530



| Name                                     | Input Value                 |          |
|--|-----------------------------|----------|
| EOTDisable_Cnt_T_lgc                     | 1                           |          |
| FiltHwTrq_HwNm_T_f32                     | -10                         |          |
| HandWheelAuth_Uls_T_f32                  | 0.89999976                  |          |
| HandWheelPos_HwDeg_T_f32                 | 600                         |          |
| LimitPosition_HwDeg_T_f32                | 1100                        |          |
| VehicleSpeed_Kph_T_f32                   | 10                          |          |
| k_EOTActiveRegionBypassMaxThresh_Uls_f32 | 0.31099999                  |          |
| k_EOTDeltaTrqThrsh_HwNm_u9p7             | 0                           |          |
| k_EOTDynConf_Uls_u8p8                    | 205                         |          |
| k_EOTImpSpdEn_Kph_u9p7                   | 3840                        |          |
| t2_EOTEnterGainX_HwDeg_u12p4[0][0]       | 320                         |          |
| t2_EOTEnterGainX_HwDeg_u12p4[0][1]       | 480                         |          |
| t2_EOTEnterGainX_HwDeg_u12p4[0][2]       | 960                         |          |
| t2_EOTEnterGainX_HwDeg_u12p4[0][3]       | 1440                        |          |
| t2_EOTEnterGainX_HwDeg_u12p4[1][0]       | 1600                        |          |
| t2_EOTEnterGainX_HwDeg_u12p4[1][1]       | 2400                        |          |
| t2_EOTEnterGainX_HwDeg_u12p4[1][2]       | 3200                        |          |
| t2_EOTEnterGainX_HwDeg_u12p4[1][3]       | 4000                        |          |
| t2_EOTEnterGainX_HwDeg_u12p4[2][0]       | 4800                        |          |
| t2_EOTEnterGainX_HwDeg_u12p4[2][1]       | 5600                        |          |
| t2_EOTEnterGainX_HwDeg_u12p4[2][2]       | 6400                        |          |
| t2_EOTEnterGainX_HwDeg_u12p4[2][3]       | 7200                        |          |
| t2_EOTEnterGainX_HwDeg_u12p4[3][0]       | 8000                        |          |
| t2_EOTEnterGainX_HwDeg_u12p4[3][1]       | 8800                        |          |
| t2_EOTEnterGainX_HwDeg_u12p4[3][2]       | 9600                        |          |
| t2_EOTEnterGainX_HwDeg_u12p4[3][3]       | 10400                       |          |
| t2_EOTPosDepDmpTblX_HwDeg_u12p4[0][0]    | 0                           |          |
| t2_EOTPosDepDmpTblX_HwDeg_u12p4[0][1]    | 320                         |          |
| t2_EOTPosDepDmpTblX_HwDeg_u12p4[1][0]    | 560                         |          |
| t2_EOTPosDepDmpTblX_HwDeg_u12p4[1][1]    | 720                         |          |
| t2_EOTPosDepDmpTblX_HwDeg_u12p4[2][0]    | 1760                        |          |
| t2_EOTPosDepDmpTblX_HwDeg_u12p4[2][1]    | 3520                        |          |
| t2_EOTPosDepDmpTblX_HwDeg_u12p4[3][0]    | 2400                        |          |
| t2_EOTPosDepDmpTblX_HwDeg_u12p4[3][1]    | 3200                        |          |
| t_EOTEnterGainVspd_Kph_u9p7[0]           | 0                           |          |
| t_EOTEnterGainVspd_Kph_u9p7[1]           | 640                         |          |
| t_EOTEnterGainVspd_Kph_u9p7[2]           | 1280                        |          |
| t_EOTEnterGainVspd_Kph_u9p7[3]           | 2560                        |          |
| Name                                     | Actual Value Expected Value | Result   |
| EOTActuatorMng_SESState_Uls_M_enum       | SES_DISABLED SES_DISABLED   | <b>✓</b> |

| Test Step 3.2 (Repeat Count = 1)         | <b>✓</b>     |
|--|--------------|
| Name                                     | Input Value  |
| EOTActuatorMng_OutputRampMultLtd_M_f32   | 0.808000028  |
| EOTActuatorMng_SESState_Uls_M_enum       | SES_ENTERING |
| EOTDet_Cnt_T_lgc                         | 1            |
| EOTDisable_Cnt_T_lgc                     | 0            |
| FiltHwTrq_HwNm_T_f32                     | 10           |
| HandWheelAuth_Uls_T_f32                  | 0.949999988  |
| HandWheelPos_HwDeg_T_f32                 | 1250         |
| LimitPosition_HwDeg_T_f32                | -1200        |
| VehicleSpeed_Kph_T_f32                   | 20           |
| k_EOTActiveRegionBypassMaxThresh_Uls_f32 | 0.119999997  |
| k_EOTDeltaTrqThrsh_HwNm_u9p7             | 0            |
| k_EOTDynConf_Uls_u8p8                    | 205          |
| k_EOTImpSpdEn_Kph_u9p7                   | 3840         |
| t2_EOTEnterGainX_HwDeg_u12p4[0][0]       | 320          |
| t2_EOTEnterGainX_HwDeg_u12p4[0][1]       | 480          |
| t2_EOTEnterGainX_HwDeg_u12p4[0][2]       | 960          |
| t2_EOTEnterGainX_HwDeg_u12p4[0][3]       | 1440         |
| t2_EOTEnterGainX_HwDeg_u12p4[1][0]       | 1600         |
| t2_EOTEnterGainX_HwDeg_u12p4[1][1]       | 2400         |
| t2_EOTEnterGainX_HwDeg_u12p4[1][2]       | 3200         |
| t2_EOTEnterGainX_HwDeg_u12p4[1][3]       | 4000         |
| t2_EOTEnterGainX_HwDeg_u12p4[2][0]       | 4800         |
| t2_EOTEnterGainX_HwDeg_u12p4[2][1]       | 5600         |
| t2_EOTEnterGainX_HwDeg_u12p4[2][2]       | 6400         |
| t2_EOTEnterGainX_HwDeg_u12p4[2][3]       | 7200         |
| t2_EOTEnterGainX_HwDeg_u12p4[3][0]       | 8000         |
| t2_EOTEnterGainX_HwDeg_u12p4[3][1]       | 8800         |
| t2_EOTEnterGainX_HwDeg_u12p4[3][2]       | 9600         |

2015-06-29, 18:49:35+0530



| Name                                  | Input Value  |                |        |
|---------------------------------------|--------------|----------------|--------|
| t2_EOTEnterGainX_HwDeg_u12p4[3][3]    | 10400        |                |        |
| t2_EOTPosDepDmpTblX_HwDeg_u12p4[0][0] | 0            |                |        |
| t2_EOTPosDepDmpTblX_HwDeg_u12p4[0][1] | 320          |                |        |
| t2_EOTPosDepDmpTblX_HwDeg_u12p4[1][0] | 560          |                |        |
| t2_EOTPosDepDmpTblX_HwDeg_u12p4[1][1] | 720          |                |        |
| t2_EOTPosDepDmpTblX_HwDeg_u12p4[2][0] | 1760         |                |        |
| t2_EOTPosDepDmpTblX_HwDeg_u12p4[2][1] | 3520         |                |        |
| t2_EOTPosDepDmpTblX_HwDeg_u12p4[3][0] | 2400         |                |        |
| t2_EOTPosDepDmpTblX_HwDeg_u12p4[3][1] | 3200         |                |        |
| t_EOTEnterGainVspd_Kph_u9p7[0]        | 0            |                |        |
| t_EOTEnterGainVspd_Kph_u9p7[1]        | 640          |                |        |
| t_EOTEnterGainVspd_Kph_u9p7[2]        | 1280         |                |        |
| t_EOTEnterGainVspd_Kph_u9p7[3]        | 2560         |                |        |
| Name                                  | Actual Value | Expected Value | Result |
| EOTActuatorMng_SESState_Uls_M_enum    | SES_ENTERING | SES_ENTERING   | ~      |

| Test Step 3.3 (Repeat Count = 1)         |              |                | <b>✓</b> |
|--|--------------|----------------|----------|
| Name                                     | Input Value  |                |          |
| EOTActuatorMng_OutputRampMultLtd_M_f32   | 0.550999999  |                |          |
| EOTActuatorMng_SESState_Uls_M_enum       | SES_NORMAL   |                |          |
| EOTDet_Cnt_T_lgc                         | 1            |                |          |
| EOTDisable_Cnt_T_lgc                     | 0            |                |          |
| FiltHwTrq_HwNm_T_f32                     | -2           |                |          |
| HandWheelAuth_Uls_T_f32                  | 0.870000005  |                |          |
| HandWheelPos_HwDeg_T_f32                 | -400         |                |          |
| LimitPosition_HwDeg_T_f32                | -1000        |                |          |
| VehicleSpeed_Kph_T_f32                   | 18           |                |          |
| k_EOTActiveRegionBypassMaxThresh_Uls_f32 | 0.541999996  |                |          |
| k_EOTDeltaTrqThrsh_HwNm_u9p7             | 0            |                |          |
| k_EOTDynConf_Uls_u8p8                    | 205          |                |          |
| k_EOTImpSpdEn_Kph_u9p7                   | 3840         |                |          |
| t2_EOTEnterGainX_HwDeg_u12p4[0][0]       | 320          |                |          |
| t2_EOTEnterGainX_HwDeg_u12p4[0][1]       | 480          |                |          |
| t2_EOTEnterGainX_HwDeg_u12p4[0][2]       | 960          |                |          |
| t2_EOTEnterGainX_HwDeg_u12p4[0][3]       | 1440         |                |          |
| t2_EOTEnterGainX_HwDeg_u12p4[1][0]       | 1600         |                |          |
| t2_EOTEnterGainX_HwDeg_u12p4[1][1]       | 2400         |                |          |
| t2_EOTEnterGainX_HwDeg_u12p4[1][2]       | 3200         |                |          |
| t2_EOTEnterGainX_HwDeg_u12p4[1][3]       | 4000         |                |          |
| t2_EOTEnterGainX_HwDeg_u12p4[2][0]       | 4800         |                |          |
| t2_EOTEnterGainX_HwDeg_u12p4[2][1]       | 5600         |                |          |
| t2_EOTEnterGainX_HwDeg_u12p4[2][2]       | 6400         |                |          |
| t2_EOTEnterGainX_HwDeg_u12p4[2][3]       | 7200         |                |          |
| t2_EOTEnterGainX_HwDeg_u12p4[3][0]       | 8000         |                |          |
| t2_EOTEnterGainX_HwDeg_u12p4[3][1]       | 8800         |                |          |
| t2_EOTEnterGainX_HwDeg_u12p4[3][2]       | 9600         |                |          |
| t2_EOTEnterGainX_HwDeg_u12p4[3][3]       | 10400        |                |          |
| t2_EOTPosDepDmpTblX_HwDeg_u12p4[0][0]    | 0            |                |          |
| t2_EOTPosDepDmpTbIX_HwDeg_u12p4[0][1]    | 320          |                |          |
| t2_EOTPosDepDmpTblX_HwDeg_u12p4[1][0]    | 560          |                |          |
| t2_EOTPosDepDmpTblX_HwDeg_u12p4[1][1]    | 720          |                |          |
| t2_EOTPosDepDmpTblX_HwDeg_u12p4[2][0]    | 1760         |                |          |
| t2_EOTPosDepDmpTblX_HwDeg_u12p4[2][1]    | 3520         |                |          |
| t2_EOTPosDepDmpTbIX_HwDeg_u12p4[3][0]    | 2400         |                |          |
| t2_EOTPosDepDmpTbIX_HwDeg_u12p4[3][1]    | 3200         |                |          |
| t_EOTEnterGainVspd_Kph_u9p7[0]           | 0            |                |          |
| t_EOTEnterGainVspd_Kph_u9p7[1]           | 640          |                |          |
| t_EOTEnterGainVspd_Kph_u9p7[2]           | 1280         |                |          |
| t_EOTEnterGainVspd_Kph_u9p7[3]           | 2560         |                |          |
| Name                                     | Actual Value | Expected Value | Result   |
| EOTActuatorMng_SESState_Uls_M_enum       | SES_EXITING  | SES_EXITING    | ~        |

| T + 24                                 |              |          |
|--|--------------|----------|
| Test Step 3.4 (Repeat Count = 1)       |              | <u> </u> |
| Name                                   | Input Value  |          |
| EOTActuatorMng_OutputRampMultLtd_M_f32 | 0.202999994  |          |
| EOTActuatorMng_SESState_Uls_M_enum     | SES_ENTERING |          |
| EOTDet_Cnt_T_lgc                       | 0            |          |
| EOTDisable_Cnt_T_lgc                   | 1            |          |

SES StateCtrl

2015-06-29, 18:49:35+0530



Name Input Value FiltHwTrq\_HwNm\_T\_f32 HandWheelAuth\_Uls\_T\_f32 0.230000004 HandWheelPos\_HwDeg\_T\_f32 1440.10999 LimitPosition\_HwDeg\_T\_f32 900 250 VehicleSpeed Kph T f32 k\_EOTActiveRegionBypassMaxThresh\_Uls\_f32 0.961000025 k\_EOTDeltaTrqThrsh\_HwNm\_u9p7 0 205 k\_EOTDynConf\_Uls\_u8p8 k\_EOTImpSpdEn\_Kph\_u9p7 3840 320 t2\_EOTEnterGainX\_HwDeg\_u12p4[0][0] t2\_EOTEnterGainX\_HwDeg\_u12p4[0][1] 480 t2\_EOTEnterGainX\_HwDeg\_u12p4[0][2] 960 t2\_EOTEnterGainX\_HwDeg\_u12p4[0][3] 1440 t2\_EOTEnterGainX\_HwDeg\_u12p4[1][0] 1600 t2\_EOTEnterGainX\_HwDeg\_u12p4[1][1] 2400 3200 t2\_EOTEnterGainX\_HwDeg\_u12p4[1][2] t2\_EOTEnterGainX\_HwDeg\_u12p4[1][3] 4000 t2\_EOTEnterGainX\_HwDeg\_u12p4[2][0] 4800  $t2\_EOTEnterGainX\_HwDeg\_u12p4[2][1]$ 5600 t2\_EOTEnterGainX\_HwDeg\_u12p4[2][2] 6400 t2\_EOTEnterGainX\_HwDeg\_u12p4[2][3] 7200 t2\_EOTEnterGainX\_HwDeg\_u12p4[3][0] 8000 t2\_EOTEnterGainX\_HwDeg\_u12p4[3][1] 8800 t2\_EOTEnterGainX\_HwDeg\_u12p4[3][2] 9600 t2 EOTEnterGainX\_HwDeg\_u12p4[3][3] 10400 t2\_EOTPosDepDmpTblX\_HwDeg\_u12p4[0][0] 0 t2\_EOTPosDepDmpTblX\_HwDeg\_u12p4[0][1] 320 t2\_EOTPosDepDmpTblX\_HwDeg\_u12p4[1][0] 560 t2\_EOTPosDepDmpTblX\_HwDeg\_u12p4[1][1] 720  $t2\_EOTPosDepDmpTblX\_HwDeg\_u12p4[2][0]$ 1760 t2\_EOTPosDepDmpTblX\_HwDeg\_u12p4[2][1] 3520 2400 t2\_EOTPosDepDmpTblX\_HwDeg\_u12p4[3][0] t2\_EOTPosDepDmpTblX\_HwDeg\_u12p4[3][1] 3200 t\_EOTEnterGainVspd\_Kph\_u9p7[0] 0 t\_EOTEnterGainVspd\_Kph\_u9p7[1] 640 t\_EOTEnterGainVspd\_Kph\_u9p7[2] 1280 t\_EOTEnterGainVspd\_Kph\_u9p7[3] 2560 **Actual Value Expected Value** 

| T (0) 0 F (D (0) (1)                     |              |
|--|--------------|
| Test Step 3.5 (Repeat Count = 1)         |              |
| Name                                     | Input Value  |
| EOTActuatorMng_OutputRampMultLtd_M_f32   | 0.806999981  |
| EOTActuatorMng_SESState_Uls_M_enum       | SES_ENTERING |
| EOTDet_Cnt_T_lgc                         | 0            |
| EOTDisable_Cnt_T_lgc                     | 1            |
| FiltHwTrq_HwNm_T_f32                     | 4            |
| HandWheelAuth_Uls_T_f32                  | 0.899999976  |
| HandWheelPos_HwDeg_T_f32                 | 1440.10999   |
| LimitPosition_HwDeg_T_f32                | 900          |
| VehicleSpeed_Kph_T_f32                   | 25           |
| k_EOTActiveRegionBypassMaxThresh_Uls_f32 | 0.754999995  |
| k_EOTDeltaTrqThrsh_HwNm_u9p7             | 0            |
| k_EOTDynConf_Uls_u8p8                    | 205          |
| k_EOTImpSpdEn_Kph_u9p7                   | 3840         |
| t2_EOTEnterGainX_HwDeg_u12p4[0][0]       | 320          |
| t2_EOTEnterGainX_HwDeg_u12p4[0][1]       | 480          |
| t2_EOTEnterGainX_HwDeg_u12p4[0][2]       | 960          |
| t2_EOTEnterGainX_HwDeg_u12p4[0][3]       | 1440         |
| t2_EOTEnterGainX_HwDeg_u12p4[1][0]       | 1600         |
| t2_EOTEnterGainX_HwDeg_u12p4[1][1]       | 2400         |
| t2_EOTEnterGainX_HwDeg_u12p4[1][2]       | 3200         |
| t2_EOTEnterGainX_HwDeg_u12p4[1][3]       | 4000         |
| t2_EOTEnterGainX_HwDeg_u12p4[2][0]       | 4800         |
| t2_EOTEnterGainX_HwDeg_u12p4[2][1]       | 5600         |
| t2_EOTEnterGainX_HwDeg_u12p4[2][2]       | 6400         |
| t2_EOTEnterGainX_HwDeg_u12p4[2][3]       | 7200         |
| t2_EOTEnterGainX_HwDeg_u12p4[3][0]       | 8000         |
| t2_EOTEnterGainX_HwDeg_u12p4[3][1]       | 8800         |
| t2_EOTEnterGainX_HwDeg_u12p4[3][2]       | 9600         |
| t2_EOTEnterGainX_HwDeg_u12p4[3][3]       | 10400        |

SES\_DISABLED

SES\_DISABLED

EOTActuatorMng\_SESState\_Uls\_M\_enum

2015-06-29, 18:49:35+0530



| Name                                  | Input Value  |                |        |
|---------------------------------------|--------------|----------------|--------|
| t2_EOTPosDepDmpTblX_HwDeg_u12p4[0][0] | 0            |                |        |
| t2_EOTPosDepDmpTblX_HwDeg_u12p4[0][1] | 320          |                |        |
| t2_EOTPosDepDmpTblX_HwDeg_u12p4[1][0] | 560          |                |        |
| t2_EOTPosDepDmpTblX_HwDeg_u12p4[1][1] | 720          |                |        |
| t2_EOTPosDepDmpTblX_HwDeg_u12p4[2][0] | 1760         |                |        |
| t2_EOTPosDepDmpTblX_HwDeg_u12p4[2][1] | 3520         |                |        |
| t2_EOTPosDepDmpTblX_HwDeg_u12p4[3][0] | 2400         |                |        |
| t2_EOTPosDepDmpTblX_HwDeg_u12p4[3][1] | 3200         |                |        |
| t_EOTEnterGainVspd_Kph_u9p7[0]        | 0            |                |        |
| t_EOTEnterGainVspd_Kph_u9p7[1]        | 640          |                |        |
| t_EOTEnterGainVspd_Kph_u9p7[2]        | 1280         |                |        |
| t_EOTEnterGainVspd_Kph_u9p7[3]        | 2560         |                |        |
| Name                                  | Actual Value | Expected Value | Result |
| EOTActuatorMng_SESState_Uls_M_enum    | SES_DISABLED | SES_DISABLED   | ~      |

| Test Step 3.6 (Repeat Count = 1)         |              |                | ✓      |
|--|--------------|----------------|--------|
| Name                                     | Input Value  |                |        |
| EOTActuatorMng_OutputRampMultLtd_M_f32   | 0.231000006  |                |        |
| EOTActuatorMng_SESState_Uls_M_enum       | SES_NORMAL   |                |        |
| EOTDet_Cnt_T_lgc                         | 1            |                |        |
| EOTDisable_Cnt_T_lgc                     | 1            |                |        |
| FiltHwTrq_HwNm_T_f32                     | -10          |                |        |
| HandWheelAuth_Uls_T_f32                  | 0.899999976  |                |        |
| HandWheelPos_HwDeg_T_f32                 | -1250        |                |        |
| LimitPosition_HwDeg_T_f32                | 1100         |                |        |
| VehicleSpeed_Kph_T_f32                   | 50           |                |        |
| k_EOTActiveRegionBypassMaxThresh_Uls_f32 | 0.0599999987 |                |        |
| k_EOTDeltaTrqThrsh_HwNm_u9p7             | 128          |                |        |
| k_EOTDynConf_Uls_u8p8                    | 205          |                |        |
| k_EOTImpSpdEn_Kph_u9p7                   | 3840         |                |        |
| t2_EOTEnterGainX_HwDeg_u12p4[0][0]       | 160          |                |        |
| t2_EOTEnterGainX_HwDeg_u12p4[0][1]       | 320          |                |        |
| t2_EOTEnterGainX_HwDeg_u12p4[0][2]       | 480          |                |        |
| t2_EOTEnterGainX_HwDeg_u12p4[0][3]       | 640          |                |        |
| t2_EOTEnterGainX_HwDeg_u12p4[1][0]       | 800          |                |        |
| t2_EOTEnterGainX_HwDeg_u12p4[1][1]       | 960          |                |        |
| t2_EOTEnterGainX_HwDeg_u12p4[1][2]       | 1120         |                |        |
| t2_EOTEnterGainX_HwDeg_u12p4[1][3]       | 1280         |                |        |
| t2_EOTEnterGainX_HwDeg_u12p4[2][0]       | 1440         |                |        |
| t2_EOTEnterGainX_HwDeg_u12p4[2][1]       | 1600         |                |        |
| t2_EOTEnterGainX_HwDeg_u12p4[2][2]       | 1760         |                |        |
| t2_EOTEnterGainX_HwDeg_u12p4[2][3]       | 1920         |                |        |
| t2_EOTEnterGainX_HwDeg_u12p4[3][0]       | 2080         |                |        |
| t2_EOTEnterGainX_HwDeg_u12p4[3][1]       | 2240         |                |        |
| t2_EOTEnterGainX_HwDeg_u12p4[3][2]       | 2400         |                |        |
| t2_EOTEnterGainX_HwDeg_u12p4[3][3]       | 2560         |                |        |
| t2_EOTPosDepDmpTblX_HwDeg_u12p4[0][0]    | 4160         |                |        |
| t2_EOTPosDepDmpTblX_HwDeg_u12p4[0][1]    | 5760         |                |        |
| t2_EOTPosDepDmpTblX_HwDeg_u12p4[1][0]    | 4000         |                |        |
| t2_EOTPosDepDmpTblX_HwDeg_u12p4[1][1]    | 5600         |                |        |
| t2_EOTPosDepDmpTblX_HwDeg_u12p4[2][0]    | 1600         |                |        |
| t2_EOTPosDepDmpTblX_HwDeg_u12p4[2][1]    | 1760         |                |        |
| t2_EOTPosDepDmpTblX_HwDeg_u12p4[3][0]    | 3520         |                |        |
| t2_EOTPosDepDmpTblX_HwDeg_u12p4[3][1]    | 4320         |                |        |
| t_EOTEnterGainVspd_Kph_u9p7[0]           | 0            |                |        |
| t_EOTEnterGainVspd_Kph_u9p7[1]           | 640          |                |        |
| t_EOTEnterGainVspd_Kph_u9p7[2]           | 1280         |                |        |
| t_EOTEnterGainVspd_Kph_u9p7[3]           | 2560         |                |        |
| Name                                     | Actual Value | Expected Value | Result |
| EOTActuatorMng_SESState_Uls_M_enum       | SES DISABLED | SES DISABLED   |        |

| Test Step 3.7 (Repeat Count = 1)       |             | <b>✓</b> |
|--|-------------|----------|
| Name                                   | Input Value |          |
| EOTActuatorMng_OutputRampMultLtd_M_f32 | 0.282000005 |          |
| EOTActuatorMng_SESState_Uls_M_enum     | SES_NORMAL  |          |
| EOTDet_Cnt_T_lgc                       | 1           |          |
| EOTDisable_Cnt_T_lgc                   | 0           |          |
| FiltHwTrq_HwNm_T_f32                   | 0           |          |

2015-06-29, 18:49:35+0530



| Name                                     | Input Value  |                |        |
|--|--------------|----------------|--------|
| HandWheelAuth_Uls_T_f32                  | 0.870000005  |                |        |
| HandWheelPos_HwDeg_T_f32                 | -350         |                |        |
| LimitPosition_HwDeg_T_f32                | -1000        |                |        |
| VehicleSpeed_Kph_T_f32                   | 18           |                |        |
| k_EOTActiveRegionBypassMaxThresh_Uls_f32 | 0.0240000002 |                |        |
| k_EOTDeltaTrqThrsh_HwNm_u9p7             | 128          |                |        |
| k_EOTDynConf_Uls_u8p8                    | 205          |                |        |
| k_EOTImpSpdEn_Kph_u9p7                   | 3840         |                |        |
| t2_EOTEnterGainX_HwDeg_u12p4[0][0]       | 160          |                |        |
| t2_EOTEnterGainX_HwDeg_u12p4[0][1]       | 320          |                |        |
| t2_EOTEnterGainX_HwDeg_u12p4[0][2]       | 480          |                |        |
| t2_EOTEnterGainX_HwDeg_u12p4[0][3]       | 640          |                |        |
| t2_EOTEnterGainX_HwDeg_u12p4[1][0]       | 800          |                |        |
| t2_EOTEnterGainX_HwDeg_u12p4[1][1]       | 960          |                |        |
| t2_EOTEnterGainX_HwDeg_u12p4[1][2]       | 1120         |                |        |
| t2_EOTEnterGainX_HwDeg_u12p4[1][3]       | 1280         |                |        |
| t2_EOTEnterGainX_HwDeg_u12p4[2][0]       | 1440         |                |        |
| t2_EOTEnterGainX_HwDeg_u12p4[2][1]       | 1600         |                |        |
| t2_EOTEnterGainX_HwDeg_u12p4[2][2]       | 1760         |                |        |
| t2_EOTEnterGainX_HwDeg_u12p4[2][3]       | 1920         |                |        |
| t2_EOTEnterGainX_HwDeg_u12p4[3][0]       | 2080         |                |        |
| t2_EOTEnterGainX_HwDeg_u12p4[3][1]       | 2240         |                |        |
| t2_EOTEnterGainX_HwDeg_u12p4[3][2]       | 2400         |                |        |
| t2_EOTEnterGainX_HwDeg_u12p4[3][3]       | 2560         |                |        |
| t2_EOTPosDepDmpTblX_HwDeg_u12p4[0][0]    | 4160         |                |        |
| t2_EOTPosDepDmpTblX_HwDeg_u12p4[0][1]    | 5760         |                |        |
| t2_EOTPosDepDmpTblX_HwDeg_u12p4[1][0]    | 4000         |                |        |
| t2_EOTPosDepDmpTblX_HwDeg_u12p4[1][1]    | 5600         |                |        |
| t2_EOTPosDepDmpTblX_HwDeg_u12p4[2][0]    | 1600         |                |        |
| t2_EOTPosDepDmpTbIX_HwDeg_u12p4[2][1]    | 1760         |                |        |
| t2_EOTPosDepDmpTblX_HwDeg_u12p4[3][0]    | 3520         |                |        |
| t2_EOTPosDepDmpTblX_HwDeg_u12p4[3][1]    | 4320         |                |        |
| t_EOTEnterGainVspd_Kph_u9p7[0]           | 0            |                |        |
| t_EOTEnterGainVspd_Kph_u9p7[1]           | 640          |                |        |
| t_EOTEnterGainVspd_Kph_u9p7[2]           | 1280         |                |        |
| t_EOTEnterGainVspd_Kph_u9p7[3]           | 2560         |                |        |
| Name                                     | Actual Value | Expected Value | Result |
| EOTActuatorMng SESState Uls M enum       | SES NORMAL   | SES NORMAL     | -      |

| Test Step 3.8 (Repeat Count = 1)         | <b>√</b>     |
|--|--------------|
| Name                                     | Input Value  |
| EOTActuatorMng_OutputRampMultLtd_M_f32   | 0.192000002  |
| EOTActuatorMng_SESState_Uls_M_enum       | SES_DISABLED |
| EOTDet_Cnt_T_lgc                         | 1            |
| EOTDisable_Cnt_T_lgc                     | 0            |
| FiltHwTrq_HwNm_T_f32                     | 10           |
| HandWheelAuth_Uls_T_f32                  | 0.949999988  |
| HandWheelPos_HwDeg_T_f32                 | 1250         |
| LimitPosition_HwDeg_T_f32                | -1200        |
| VehicleSpeed_Kph_T_f32                   | 20           |
| k_EOTActiveRegionBypassMaxThresh_Uls_f32 | 0.72299999   |
| k_EOTDeltaTrqThrsh_HwNm_u9p7             | 0            |
| k_EOTDynConf_Uls_u8p8                    | 205          |
| k_EOTImpSpdEn_Kph_u9p7                   | 3840         |
| t2_EOTEnterGainX_HwDeg_u12p4[0][0]       | 320          |
| t2_EOTEnterGainX_HwDeg_u12p4[0][1]       | 480          |
| t2_EOTEnterGainX_HwDeg_u12p4[0][2]       | 960          |
| t2_EOTEnterGainX_HwDeg_u12p4[0][3]       | 1440         |
| t2_EOTEnterGainX_HwDeg_u12p4[1][0]       | 1600         |
| t2_EOTEnterGainX_HwDeg_u12p4[1][1]       | 2400         |
| t2_EOTEnterGainX_HwDeg_u12p4[1][2]       | 3200         |
| t2_EOTEnterGainX_HwDeg_u12p4[1][3]       | 4000         |
| t2_EOTEnterGainX_HwDeg_u12p4[2][0]       | 4800         |
| t2_EOTEnterGainX_HwDeg_u12p4[2][1]       | 5600         |
| t2_EOTEnterGainX_HwDeg_u12p4[2][2]       | 6400         |
| t2_EOTEnterGainX_HwDeg_u12p4[2][3]       | 7200         |
| t2_EOTEnterGainX_HwDeg_u12p4[3][0]       | 8000         |
| t2_EOTEnterGainX_HwDeg_u12p4[3][1]       | 8800         |
| t2_EOTEnterGainX_HwDeg_u12p4[3][2]       | 9600         |
| t2_EOTEnterGainX_HwDeg_u12p4[3][3]       | 10400        |
| t2_EOTPosDepDmpTblX_HwDeg_u12p4[0][0]    | 0            |

2015-06-29, 18:49:35+0530



| Name                                  | Input Value  |                |        |
|---------------------------------------|--------------|----------------|--------|
| t2_EOTPosDepDmpTblX_HwDeg_u12p4[0][1] | 320          |                |        |
| t2_EOTPosDepDmpTblX_HwDeg_u12p4[1][0] | 560          |                |        |
| t2_EOTPosDepDmpTblX_HwDeg_u12p4[1][1] | 720          |                |        |
| t2_EOTPosDepDmpTblX_HwDeg_u12p4[2][0] | 1760         |                |        |
| t2_EOTPosDepDmpTblX_HwDeg_u12p4[2][1] | 3520         |                |        |
| t2_EOTPosDepDmpTblX_HwDeg_u12p4[3][0] | 2400         |                |        |
| t2_EOTPosDepDmpTblX_HwDeg_u12p4[3][1] | 3200         |                |        |
| t_EOTEnterGainVspd_Kph_u9p7[0]        | 0            |                |        |
| t_EOTEnterGainVspd_Kph_u9p7[1]        | 640          |                |        |
| t_EOTEnterGainVspd_Kph_u9p7[2]        | 1280         |                |        |
| t_EOTEnterGainVspd_Kph_u9p7[3]        | 2560         |                |        |
| Name                                  | Actual Value | Expected Value | Result |
| EOTActuatorMng_SESState_Uls_M_enum    | SES_NORMAL   | SES_NORMAL     | ~      |

| Test Step 3.9 (Repeat Count = 1)         |              |                | <b>✓</b> |
|--|--------------|----------------|----------|
| Name                                     | Input Value  |                |          |
| EOTActuatorMng_OutputRampMultLtd_M_f32   | 0.481999993  |                |          |
| EOTActuatorMng_SESState_Uls_M_enum       | SES_DISABLED |                |          |
| EOTDet_Cnt_T_lgc                         | 1            |                |          |
| EOTDisable_Cnt_T_lgc                     | 0            |                |          |
| FiltHwTrq_HwNm_T_f32                     | -2           |                |          |
| HandWheelAuth_Uls_T_f32                  | 0.870000005  |                |          |
| HandWheelPos_HwDeg_T_f32                 | 500          |                |          |
| LimitPosition_HwDeg_T_f32                | -1000        |                |          |
| VehicleSpeed_Kph_T_f32                   | 18           |                |          |
| k_EOTActiveRegionBypassMaxThresh_Uls_f32 | 0.950999975  |                |          |
| k_EOTDeltaTrqThrsh_HwNm_u9p7             | 0            |                |          |
| k_EOTDynConf_Uls_u8p8                    | 205          |                |          |
| k_EOTImpSpdEn_Kph_u9p7                   | 3840         |                |          |
| t2_EOTEnterGainX_HwDeg_u12p4[0][0]       | 320          |                |          |
| t2_EOTEnterGainX_HwDeg_u12p4[0][1]       | 480          |                |          |
| t2_EOTEnterGainX_HwDeg_u12p4[0][2]       | 960          |                |          |
| t2_EOTEnterGainX_HwDeg_u12p4[0][3]       | 1440         |                |          |
| t2_EOTEnterGainX_HwDeg_u12p4[1][0]       | 1600         |                |          |
| t2_EOTEnterGainX_HwDeg_u12p4[1][1]       | 2400         |                |          |
| t2_EOTEnterGainX_HwDeg_u12p4[1][2]       | 3200         |                |          |
| t2_EOTEnterGainX_HwDeg_u12p4[1][3]       | 4000         |                |          |
| t2_EOTEnterGainX_HwDeg_u12p4[2][0]       | 4800         |                |          |
| t2_EOTEnterGainX_HwDeg_u12p4[2][1]       | 5600         |                |          |
| t2_EOTEnterGainX_HwDeg_u12p4[2][2]       | 6400         |                |          |
| t2_EOTEnterGainX_HwDeg_u12p4[2][3]       | 7200         |                |          |
| t2_EOTEnterGainX_HwDeg_u12p4[3][0]       | 8000         |                |          |
| t2_EOTEnterGainX_HwDeg_u12p4[3][1]       | 8800         |                |          |
| t2_EOTEnterGainX_HwDeg_u12p4[3][2]       | 9600         |                |          |
| t2_EOTEnterGainX_HwDeg_u12p4[3][3]       | 10400        |                |          |
| t2_EOTPosDepDmpTblX_HwDeg_u12p4[0][0]    | 0            |                |          |
| t2_EOTPosDepDmpTblX_HwDeg_u12p4[0][1]    | 320          |                |          |
| t2_EOTPosDepDmpTblX_HwDeg_u12p4[1][0]    | 560          |                |          |
| t2_EOTPosDepDmpTblX_HwDeg_u12p4[1][1]    | 720          |                |          |
| t2_EOTPosDepDmpTblX_HwDeg_u12p4[2][0]    | 1760         |                |          |
| t2_EOTPosDepDmpTblX_HwDeg_u12p4[2][1]    | 3520         |                |          |
| t2_EOTPosDepDmpTblX_HwDeg_u12p4[3][0]    | 2400         |                |          |
| t2_EOTPosDepDmpTblX_HwDeg_u12p4[3][1]    | 3200         |                |          |
| t_EOTEnterGainVspd_Kph_u9p7[0]           | 0            |                |          |
| t_EOTEnterGainVspd_Kph_u9p7[1]           | 640          |                |          |
| t_EOTEnterGainVspd_Kph_u9p7[2]           | 1280         |                |          |
| t_EOTEnterGainVspd_Kph_u9p7[3]           | 2560         |                |          |
| Name                                     | Actual Value | Expected Value | Result   |
|  |              |                |          |

| Test Step 3.10 (Repeat Count = 1)      |              |
|--|--------------|
| Name                                   | Input Value  |
| EOTActuatorMng_OutputRampMultLtd_M_f32 | 0.970000029  |
| EOTActuatorMng_SESState_Uls_M_enum     | SES_ENTERING |
| EOTDet_Cnt_T_lgc                       | 1            |
| EOTDisable_Cnt_T_lgc                   | 0            |
| FiltHwTrq_HwNm_T_f32                   | 10           |
| HandWheelAuth_Uls_T_f32                | 0.949999988  |

2015-06-29, 18:49:35+0530



| Maura                                    | Innut Value  |                |        |
|--|--------------|----------------|--------|
| Name                                     | Input Value  |                |        |
| HandWheelPos_HwDeg_T_f32                 | 120          |                |        |
| LimitPosition_HwDeg_T_f32                | -1200        |                |        |
| VehicleSpeed_Kph_T_f32                   | 20           |                |        |
| k_EOTActiveRegionBypassMaxThresh_Uls_f32 | 0.375999987  |                |        |
| k_EOTDeltaTrqThrsh_HwNm_u9p7             | 0            |                |        |
| k_EOTDynConf_Uls_u8p8                    | 205          |                |        |
| k_EOTImpSpdEn_Kph_u9p7                   | 3840         |                |        |
| t2_EOTEnterGainX_HwDeg_u12p4[0][0]       | 320          |                |        |
| t2_EOTEnterGainX_HwDeg_u12p4[0][1]       | 480          |                |        |
| t2_EOTEnterGainX_HwDeg_u12p4[0][2]       | 960          |                |        |
| t2_EOTEnterGainX_HwDeg_u12p4[0][3]       | 1440         |                |        |
| t2_EOTEnterGainX_HwDeg_u12p4[1][0]       | 1600         |                |        |
| t2_EOTEnterGainX_HwDeg_u12p4[1][1]       | 2400         |                |        |
| t2_EOTEnterGainX_HwDeg_u12p4[1][2]       | 3200         |                |        |
| t2_EOTEnterGainX_HwDeg_u12p4[1][3]       | 4000         |                |        |
| t2_EOTEnterGainX_HwDeg_u12p4[2][0]       | 4800         |                |        |
| t2_EOTEnterGainX_HwDeg_u12p4[2][1]       | 5600         |                |        |
| t2_EOTEnterGainX_HwDeg_u12p4[2][2]       | 6400         |                |        |
| t2_EOTEnterGainX_HwDeg_u12p4[2][3]       | 7200         |                |        |
| t2_EOTEnterGainX_HwDeg_u12p4[3][0]       | 8000         |                |        |
| t2_EOTEnterGainX_HwDeg_u12p4[3][1]       | 8800         |                |        |
| t2_EOTEnterGainX_HwDeg_u12p4[3][2]       | 9600         |                |        |
| t2_EOTEnterGainX_HwDeg_u12p4[3][3]       | 10400        |                |        |
| t2_EOTPosDepDmpTblX_HwDeg_u12p4[0][0]    | 0            |                |        |
| t2_EOTPosDepDmpTblX_HwDeg_u12p4[0][1]    | 320          |                |        |
| t2_EOTPosDepDmpTblX_HwDeg_u12p4[1][0]    | 560          |                |        |
| t2_EOTPosDepDmpTblX_HwDeg_u12p4[1][1]    | 720          |                |        |
| t2 EOTPosDepDmpTblX HwDeg u12p4[2][0]    | 1760         |                |        |
| t2_EOTPosDepDmpTblX_HwDeg_u12p4[2][1]    | 3520         |                |        |
| t2 EOTPosDepDmpTblX HwDeg u12p4[3][0]    | 2400         |                |        |
| t2_EOTPosDepDmpTblX_HwDeg_u12p4[3][1]    | 3200         |                |        |
| t_EOTEnterGainVspd_Kph_u9p7[0]           | 0            |                |        |
| t_EOTEnterGainVspd_Kph_u9p7[1]           | 640          |                |        |
| t EOTEnterGainVspd Kph u9p7[2]           | 1280         |                |        |
| t EOTEnterGainVspd Kph u9p7[3]           | 2560         |                |        |
| Name                                     | Actual Value | Expected Value | Result |
| EOTActuatorMng SESState Uls M enum       | SES NORMAL   | SES NORMAL     |        |
| <u> </u>                                 | · ·- ·       | · · · - ·      |        |

| Test Step 3.11 (Repeat Count = 1)        | v v         |
|--|-------------|
| Name                                     | Input Value |
| EOTActuatorMng_OutputRampMultLtd_M_f32   | 0.699000001 |
| EOTActuatorMng_SESState_Uls_M_enum       | SES_NORMAL  |
| EOTDet_Cnt_T_lgc                         | 1           |
| EOTDisable_Cnt_T_lgc                     | 0.          |
| FiltHwTrq_HwNm_T_f32                     | 10          |
| HandWheelAuth_Uls_T_f32                  | 0.94999988  |
| HandWheelPos_HwDeg_T_f32                 | 1250.31995  |
| LimitPosition_HwDeg_T_f32                | -1200.05005 |
| VehicleSpeed_Kph_T_f32                   | 30.3540001  |
| k_EOTActiveRegionBypassMaxThresh_Uls_f32 | 0.677999973 |
| k_EOTDeltaTrqThrsh_HwNm_u9p7             | 1280        |
| k_EOTDynConf_Uls_u8p8                    | 51          |
| k_EOTImpSpdEn_Kph_u9p7                   | 5504        |
| t2_EOTEnterGainX_HwDeg_u12p4[0][0]       | 160         |
| t2_EOTEnterGainX_HwDeg_u12p4[0][1]       | 320         |
| t2_EOTEnterGainX_HwDeg_u12p4[0][2]       | 480         |
| t2_EOTEnterGainX_HwDeg_u12p4[0][3]       | 640         |
| t2_EOTEnterGainX_HwDeg_u12p4[1][0]       | 496         |
| t2_EOTEnterGainX_HwDeg_u12p4[1][1]       | 1472        |
| t2_EOTEnterGainX_HwDeg_u12p4[1][2]       | 1488        |
| t2_EOTEnterGainX_HwDeg_u12p4[1][3]       | 1504        |
| t2_EOTEnterGainX_HwDeg_u12p4[2][0]       | 1136        |
| t2_EOTEnterGainX_HwDeg_u12p4[2][1]       | 3392        |
| t2_EOTEnterGainX_HwDeg_u12p4[2][2]       | 3408        |
| t2_EOTEnterGainX_HwDeg_u12p4[2][3]       | 3424        |
| t2_EOTEnterGainX_HwDeg_u12p4[3][0]       | 1776        |
| t2_EOTEnterGainX_HwDeg_u12p4[3][1]       | 5312        |
| t2_EOTEnterGainX_HwDeg_u12p4[3][2]       | 5328        |
| t2_EOTEnterGainX_HwDeg_u12p4[3][3]       | 5344        |
| t2_EOTPosDepDmpTblX_HwDeg_u12p4[0][0]    | 48          |
| t2_EOTPosDepDmpTblX_HwDeg_u12p4[0][1]    | 96          |

2015-06-29, 18:49:35+0530



| Name                                  | Input Value  |                |        |
|---------------------------------------|--------------|----------------|--------|
| t2_EOTPosDepDmpTblX_HwDeg_u12p4[1][0] | 480          |                |        |
| t2_EOTPosDepDmpTblX_HwDeg_u12p4[1][1] | 1136         |                |        |
| t2_EOTPosDepDmpTblX_HwDeg_u12p4[2][0] | 656          |                |        |
| t2_EOTPosDepDmpTblX_HwDeg_u12p4[2][1] | 1040         |                |        |
| t2_EOTPosDepDmpTblX_HwDeg_u12p4[3][0] | 672          |                |        |
| t2_EOTPosDepDmpTblX_HwDeg_u12p4[3][1] | 4032         |                |        |
| t_EOTEnterGainVspd_Kph_u9p7[0]        | 2688         |                |        |
| t_EOTEnterGainVspd_Kph_u9p7[1]        | 7936         |                |        |
| t_EOTEnterGainVspd_Kph_u9p7[2]        | 8064         |                |        |
| t_EOTEnterGainVspd_Kph_u9p7[3]        | 8192         |                |        |
| Name                                  | Actual Value | Expected Value | Result |
| EOTActuatorMng_SESState_Uls_M_enum    | SES_NORMAL   | SES_NORMAL     | ~      |

| Test Step 3.12 (Repeat Count = 1)        |              |                | ✓      |
|--|--------------|----------------|--------|
| Name                                     | Input Value  |                |        |
| EOTActuatorMng_OutputRampMultLtd_M_f32   | 0.949999988  |                |        |
| EOTActuatorMng_SESState_Uls_M_enum       | SES_ENTERING |                |        |
| EOTDet Cnt T Igc                         | 1            |                |        |
| EOTDisable_Cnt_T_lgc                     | 0            |                |        |
| FiltHwTrq_HwNm_T_f32                     | -5.0999999   |                |        |
| HandWheelAuth_Uls_T_f32                  | 0.860000014  |                |        |
| HandWheelPos_HwDeg_T_f32                 | 1300.31995   |                |        |
| LimitPosition_HwDeg_T_f32                | 1300.78003   |                |        |
| VehicleSpeed_Kph_T_f32                   | 41.6139984   |                |        |
| k_EOTActiveRegionBypassMaxThresh_Uls_f32 | 0.81099999   |                |        |
| k_EOTDeltaTrqThrsh_HwNm_u9p7             | 640          |                |        |
| k_EOTDynConf_Uls_u8p8                    | 77           |                |        |
| k_EOTImpSpdEn_Kph_u9p7                   | 5888         |                |        |
| t2_EOTEnterGainX_HwDeg_u12p4[0][0]       | 0            |                |        |
| t2_EOTEnterGainX_HwDeg_u12p4[0][1]       | 96           |                |        |
| t2_EOTEnterGainX_HwDeg_u12p4[0][2]       | 160          |                |        |
| t2_EOTEnterGainX_HwDeg_u12p4[0][3]       | 352          |                |        |
| t2_EOTEnterGainX_HwDeg_u12p4[1][0]       | 544          |                |        |
| t2_EOTEnterGainX_HwDeg_u12p4[1][1]       | 1616         |                |        |
| t2_EOTEnterGainX_HwDeg_u12p4[1][2]       | 1632         |                |        |
| t2_EOTEnterGainX_HwDeg_u12p4[1][3]       | 1648         |                |        |
| t2_EOTEnterGainX_HwDeg_u12p4[2][0]       | 1184         |                |        |
| t2_EOTEnterGainX_HwDeg_u12p4[2][1]       | 3536         |                |        |
| t2_EOTEnterGainX_HwDeg_u12p4[2][2]       | 3552         |                |        |
| t2_EOTEnterGainX_HwDeg_u12p4[2][3]       | 3568         |                |        |
| t2_EOTEnterGainX_HwDeg_u12p4[3][0]       | 1824         |                |        |
| t2_EOTEnterGainX_HwDeg_u12p4[3][1]       | 5456         |                |        |
| t2_EOTEnterGainX_HwDeg_u12p4[3][2]       | 5472         |                |        |
| t2_EOTEnterGainX_HwDeg_u12p4[3][3]       | 5488         |                |        |
| t2_EOTPosDepDmpTblX_HwDeg_u12p4[0][0]    | 144          |                |        |
| t2_EOTPosDepDmpTblX_HwDeg_u12p4[0][1]    | 304          |                |        |
| t2_EOTPosDepDmpTblX_HwDeg_u12p4[1][0]    | 576          |                |        |
| t2_EOTPosDepDmpTblX_HwDeg_u12p4[1][1]    | 1184         |                |        |
| t2_EOTPosDepDmpTblX_HwDeg_u12p4[2][0]    | 704          |                |        |
| t2_EOTPosDepDmpTblX_HwDeg_u12p4[2][1]    | 1088         |                |        |
| t2_EOTPosDepDmpTblX_HwDeg_u12p4[3][0]    | 768          |                |        |
| t2_EOTPosDepDmpTblX_HwDeg_u12p4[3][1]    | 4080         |                |        |
| t_EOTEnterGainVspd_Kph_u9p7[0]           | 3072         |                |        |
| t_EOTEnterGainVspd_Kph_u9p7[1]           | 9088         |                |        |
| t_EOTEnterGainVspd_Kph_u9p7[2]           | 9216         |                |        |
| t_EOTEnterGainVspd_Kph_u9p7[3]           | 9344         |                |        |
| Name                                     | Actual Value | Expected Value | Result |
| EOTActuatorMng_SESState_Uls_M_enum       | SES_EXITING  | SES_EXITING    |        |

| Test Step 3.13 (Repeat Count = 1)      |              |
|--|--------------|
| Name                                   | Input Value  |
| EOTActuatorMng_OutputRampMultLtd_M_f32 | 0.99000001   |
| EOTActuatorMng_SESState_Uls_M_enum     | SES_DISABLED |
| EOTDet_Cnt_T_lgc                       | 1            |
| EOTDisable_Cnt_T_lgc                   | 0            |
| FiltHwTrq_HwNm_T_f32                   | -9.67000008  |
| HandWheelAuth_Uls_T_f32                | 0.920000017  |
| HandWheelPos_HwDeg_T_f32               | 694.370972   |

2015-06-29, 18:49:35+0530



| Name                                     | Input Value  |                |        |
|--|--------------|----------------|--------|
| LimitPosition_HwDeg_T_f32                | -500.450012  |                |        |
| VehicleSpeed_Kph_T_f32                   | 24.1000004   |                |        |
| k_EOTActiveRegionBypassMaxThresh_Uls_f32 | 0.0430000015 |                |        |
| k_EOTDeltaTrqThrsh_HwNm_u9p7             | 896          |                |        |
| k_EOTDynConf_Uls_u8p8                    | 233          |                |        |
| k_EOTImpSpdEn_Kph_u9p7                   | 7936         |                |        |
| t2_EOTEnterGainX_HwDeg_u12p4[0][0]       | 0            |                |        |
| t2_EOTEnterGainX_HwDeg_u12p4[0][1]       | 96           |                |        |
| t2_EOTEnterGainX_HwDeg_u12p4[0][2]       | 192          |                |        |
| t2_EOTEnterGainX_HwDeg_u12p4[0][3]       | 400          |                |        |
| t2_EOTEnterGainX_HwDeg_u12p4[1][0]       | 800          |                |        |
| t2_EOTEnterGainX_HwDeg_u12p4[1][1]       | 2384         |                |        |
| t2_EOTEnterGainX_HwDeg_u12p4[1][2]       | 2400         |                |        |
| t2_EOTEnterGainX_HwDeg_u12p4[1][3]       | 2416         |                |        |
| t2_EOTEnterGainX_HwDeg_u12p4[2][0]       | 1440         |                |        |
| t2_EOTEnterGainX_HwDeg_u12p4[2][1]       | 4304         |                |        |
| t2_EOTEnterGainX_HwDeg_u12p4[2][2]       | 4320         |                |        |
| t2_EOTEnterGainX_HwDeg_u12p4[2][3]       | 4336         |                |        |
| t2_EOTEnterGainX_HwDeg_u12p4[3][0]       | 2080         |                |        |
| t2_EOTEnterGainX_HwDeg_u12p4[3][1]       | 6224         |                |        |
| t2_EOTEnterGainX_HwDeg_u12p4[3][2]       | 6240         |                |        |
| t2_EOTEnterGainX_HwDeg_u12p4[3][3]       | 6256         |                |        |
| t2_EOTPosDepDmpTblX_HwDeg_u12p4[0][0]    | 48           |                |        |
| t2_EOTPosDepDmpTblX_HwDeg_u12p4[0][1]    | 400          |                |        |
| t2_EOTPosDepDmpTblX_HwDeg_u12p4[1][0]    | 560          |                |        |
| t2_EOTPosDepDmpTblX_HwDeg_u12p4[1][1]    | 720          |                |        |
| t2_EOTPosDepDmpTblX_HwDeg_u12p4[2][0]    | 960          |                |        |
| t2_EOTPosDepDmpTblX_HwDeg_u12p4[2][1]    | 1344         |                |        |
| t2_EOTPosDepDmpTblX_HwDeg_u12p4[3][0]    | 848          |                |        |
| t2_EOTPosDepDmpTblX_HwDeg_u12p4[3][1]    | 4336         |                |        |
| t_EOTEnterGainVspd_Kph_u9p7[0]           | 5120         |                |        |
| t_EOTEnterGainVspd_Kph_u9p7[1]           | 15232        |                |        |
| t_EOTEnterGainVspd_Kph_u9p7[2]           | 15360        |                |        |
| t_EOTEnterGainVspd_Kph_u9p7[3]           | 15488        |                |        |
| Name                                     | Actual Value | Expected Value | Result |
| EOTActuatorMng SESState Uls M enum       | SES_DISABLED | SES_DISABLED   | ~      |

| Test Step 3.14 (Repeat Count = 1)        | ✓            |
|--|--------------|
| Name                                     | Input Value  |
| EOTActuatorMng_OutputRampMultLtd_M_f32   | 0.808000028  |
| EOTActuatorMng_SESState_Uls_M_enum       | SES_DISABLED |
| EOTDet_Cnt_T_lgc                         | 1            |
| EOTDisable_Cnt_T_lgc                     | 0            |
| FiltHwTrq_HwNm_T_f32                     | 10           |
| HandWheelAuth_Uls_T_f32                  | 0.94999988   |
| HandWheelPos_HwDeg_T_f32                 | 1250         |
| LimitPosition_HwDeg_T_f32                | -1200        |
| VehicleSpeed_Kph_T_f32                   | 20           |
| k_EOTActiveRegionBypassMaxThresh_Uls_f32 | 0.119999997  |
| k_EOTDeltaTrqThrsh_HwNm_u9p7             | 0            |
| k_EOTDynConf_Uls_u8p8                    | 205          |
| k_EOTImpSpdEn_Kph_u9p7                   | 3840         |
| t2_EOTEnterGainX_HwDeg_u12p4[0][0]       | 320          |
| t2_EOTEnterGainX_HwDeg_u12p4[0][1]       | 480          |
| t2_EOTEnterGainX_HwDeg_u12p4[0][2]       | 960          |
| t2_EOTEnterGainX_HwDeg_u12p4[0][3]       | 1440         |
| t2_EOTEnterGainX_HwDeg_u12p4[1][0]       | 1600         |
| t2_EOTEnterGainX_HwDeg_u12p4[1][1]       | 2400         |
| t2_EOTEnterGainX_HwDeg_u12p4[1][2]       | 3200         |
| t2_EOTEnterGainX_HwDeg_u12p4[1][3]       | 4000         |
| t2_EOTEnterGainX_HwDeg_u12p4[2][0]       | 4800         |
| t2_EOTEnterGainX_HwDeg_u12p4[2][1]       | 5600         |
| t2_EOTEnterGainX_HwDeg_u12p4[2][2]       | 6400         |
| t2_EOTEnterGainX_HwDeg_u12p4[2][3]       | 7200         |
| t2_EOTEnterGainX_HwDeg_u12p4[3][0]       | 8000         |
| t2_EOTEnterGainX_HwDeg_u12p4[3][1]       | 8800         |
| t2_EOTEnterGainX_HwDeg_u12p4[3][2]       | 9600         |
| t2_EOTEnterGainX_HwDeg_u12p4[3][3]       | 10400        |
| t2_EOTPosDepDmpTblX_HwDeg_u12p4[0][0]    | 0            |
| t2_EOTPosDepDmpTblX_HwDeg_u12p4[0][1]    | 320          |
| t2_EOTPosDepDmpTbIX_HwDeg_u12p4[1][0]    | 560          |

2015-06-29, 18:49:35+0530



| Name                                  | Input Value  |                |        |
|---------------------------------------|--------------|----------------|--------|
| t2_EOTPosDepDmpTblX_HwDeg_u12p4[1][1] | 720          |                |        |
| t2_EOTPosDepDmpTblX_HwDeg_u12p4[2][0] | 1760         |                |        |
| t2_EOTPosDepDmpTblX_HwDeg_u12p4[2][1] | 3520         |                |        |
| t2_EOTPosDepDmpTblX_HwDeg_u12p4[3][0] | 2400         |                |        |
| t2_EOTPosDepDmpTblX_HwDeg_u12p4[3][1] | 3200         |                |        |
| t_EOTEnterGainVspd_Kph_u9p7[0]        | 0            |                |        |
| t_EOTEnterGainVspd_Kph_u9p7[1]        | 640          |                |        |
| t_EOTEnterGainVspd_Kph_u9p7[2]        | 1280         |                |        |
| t_EOTEnterGainVspd_Kph_u9p7[3]        | 2560         |                |        |
| Name                                  | Actual Value | Expected Value | Result |
| EOTActuatorMng_SESState_Uls_M_enum    | SES_DISABLED | SES_DISABLED   | ~      |

2015-06-29, 18:43:14+0530



SES\_CalcExitGain

| Project     | EOTActuatorMng   |
|-------------|------------------|
| Module      | EOTActuatorMng   |
| Test Object | SES_CalcExitGain |

#### Instrumentation: Test Object Only

| Statement (C0) Coverage  | 100 % |
|--------------------------|-------|
| <b>Decision Coverage</b> | 100 % |
| Branch (C1) Coverage     | 100 % |
| MCC Coverage             | 100 % |
| MC/DC Coverage           | 100 % |

#### **Statistics**

| Total Testcases | 3 |          |
|-----------------|---|----------|
| Successful      | 3 | <b>~</b> |
| Failed          | 0 |          |
| Not Executed    | 0 |          |

#### **Module Properties**

| Project Root Directory | D:\Synergy_Work_Area\CBD_EOTActuatorMng\EOTActuatorMng   |
|------------------------|--|
| Configuration File     | D:\Synergy_Work_Area\CBD_EOTActuatorMng\EOTActuatorMng\UnitTestEnv\config<br>\TMS570_GCC_UDE_CCS4_Config.xml   |
| Target Environment     | TI TMS 570 PLS UDE (Default)   |
| Kind of Test           | Unit Test  |
| Linker Options         |  |
| Source File(s)         |  |
| File                   | \$(PROJECTROOT)\NxtrLib\src\interpolation.c  |
| Compiler Options       | -D_DATA_ACCESS= -Dconst= -I\$(PROJECTROOT)\NxtrLib\include -I\$(PROJECTROOT)\\StdDef\include -I\$(PROJECTROOT)\\up\\contract \Ap_EOTActuatorMng -I\$(PROJECTROOT)\\up\\contract -I\$(Compiler Install Path)\\include |
| File                   | \$(PROJECTROOT)\src\Ap_EOTActuatorMng.c  |
| Compiler Options       | -D_DATA_ACCESS= -Dconst= -I\$(PROJECTROOT)\NxtrLib\include -I\$(PROJECTROOT)\StdDef\include -I\$(PROJECTROOT)\utp\contract \Ap EOTActuatorMng -I\$(PROJECTROOT)\utp\contract -I\$(Compiler Install Path)\include     |

| Name                    | Text                                   |
|-------------------------|--|
| Module 'EOTActuatorMng' | /************************************* |

| Attributes            |  |
|-----------------------|--|
| Name                  | Value  |
| Compiler Install Path | \$(ProgramFiles)\Texas Instruments\ccsv4\tools\compiler\tms470_4.9.5   |
| Float Precision       | 9  |
| InitObjDir            | <pre>\$(PROJECTROOT)\UnitTestEnv\static_build_files\obj</pre>          |
| InitSrcDir            | \$(PROJECTROOT)\UnitTestEnv\static_build_files\src                     |
| Linker File           | <pre>\$(PROJECTROOT)\UnitTestEnv\static_build_files\sys_link.cmd</pre> |
| Makefile Template     | \$(PROJECTROOT)\UnitTestEnv\config\Nexteer_ts_make_ude_ti_tms570.tpl   |
| Target Install Path   | \$(ProgramFiles)\pls\UDE 3.2   |
| Time Unit             | Cycles   |

2015-06-29, 18:43:14+0530

SES\_CalcExitGain



| Attributes       |  |  |  |
|------------------|--|--|--|
| Name             | Value  |  |  |
| Timer Enabled    | false  |  |  |
| Timer Prescale   | 0  |  |  |
| Timer Resolution |  |  |  |
| UDE Config File  | \$(PROJECTROOT)\UnitTestEnv\config\TMS570_UDE_12PIN_JTAG.cfg                                   |  |  |
| Workspace File   | D:\Synergy_Work_Area\CBD_EOTActuatorMng\EOTActuatorMng\UnitTestEnv\config\UDE_TMS570_DEBUG.WSP |  |  |

Description



#### Test Case 1: Metrics Test

Performance Metrics (With "None" Instrumentation and WithPS Environment)
CPU Cycles: Specification

TS1.1 94 cycles TS1.2 166 cycles Vector Description

TS1.1"Shortest Execution Path:
(HandWheelPos2\_HwDeg\_T\_f32 < D\_ZERO\_ULS\_F32) ==> FALSE"
TS1.2"Longest Execution Path:
(HandWheelPos2\_HwDeg\_T\_f32 < D\_ZERO\_ULS\_F32) ==> TRUE"

| Test Step 1.1 (Repeat Count = 1)        |                             |                | ~        |  |
|---|-----------------------------|----------------|----------|--|
| Name                                    | Input Value                 |                |          |  |
| EOTActuatorMng_FiltHWTrqSV_HwNm_M_s7p24 | 25165824                    |                |          |  |
| FiltHwTrqPtr_HwNm_T_f32                 | tgt_FiltHwTrqPtr_HwNm_T_f32 | 2              |          |  |
| HandWheelPos_HwDeg_T_f32                | 150.5                       |                |          |  |
| HwTorque_HwNm_T_f32                     | -1.20000005                 |                |          |  |
| PrevEOTGain_Uls_T_f32                   | 0.20000003                  | 0.20000003     |          |  |
| k_EOTStateHwTrqLPFKn_Cnt_u16            | 20583                       | 20583          |          |  |
| t_TrqTableX_HwNm_u8p8[0]                | 768                         | 768            |          |  |
| t_TrqTableX_HwNm_u8p8[1]                | 1792                        |                |          |  |
| t_TrqTbIY_UIs_u2p14[0]                  | 16                          |                |          |  |
| t_TrqTbIY_UIs_u2p14[1]                  | 33                          |                |          |  |
| Name                                    | Actual Value                | Expected Value | Result   |  |
| EOTActuatorMng_FiltHWTrqSV_HwNm_M_s7p24 | 10942971                    | 10942971 ± 1   | -        |  |
| SES_CalcExitGain()                      | 0.20000003                  | 0.20000003     | <b>✓</b> |  |
| tgt_FiltHwTrqPtr_HwNm_T_f32             | 0.6484375                   | 0.6484375      | <b>✓</b> |  |

| T                           |       |                             |       | <b>~</b> |
|-----------------------------|-------|-----------------------------|-------|----------|
| Actual Function             | Count | Expected Function           | Count | Result   |
| IntplVarXY_u16_u16Xu16Y_Cnt | 1     | IntplVarXY_u16_u16Xu16Y_Cnt | 1     | -        |

| Test Step 1.2 (Repeat Count = 1)        |                             |                | <b>✓</b> |  |
|---|-----------------------------|----------------|----------|--|
| Name                                    | Input Value                 |                |          |  |
| EOTActuatorMng_FiltHWTrqSV_HwNm_M_s7p24 | -25165824                   |                |          |  |
| FiltHwTrqPtr_HwNm_T_f32                 | tgt_FiltHwTrqPtr_HwNm_T_f3: | 2              |          |  |
| HandWheelPos_HwDeg_T_f32                | -150.5                      |                |          |  |
| HwTorque_HwNm_T_f32                     | 1.2999995                   |                |          |  |
| PrevEOTGain_Uls_T_f32                   | 0.10000001                  | 0.100000001    |          |  |
| k_EOTStateHwTrqLPFKn_Cnt_u16            | 20583                       | 20583          |          |  |
| t_TrqTableX_HwNm_u8p8[0]                | 256                         | 256            |          |  |
| t_TrqTableX_HwNm_u8p8[1]                | 512                         |                |          |  |
| t_TrqTblY_Uls_u2p14[0]                  | 426                         |                |          |  |
| t_TrqTblY_Uls_u2p14[1]                  | 344                         |                |          |  |
| Name                                    | Actual Value                | Expected Value | Result   |  |
| EOTActuatorMng_FiltHWTrqSV_HwNm_M_s7p24 | -24095508                   | -24095508 ± 1  | <b>✓</b> |  |
| SES_CalcExitGain()                      | 0.10000001                  | 0.10000001     | ~        |  |
| tgt_FiltHwTrqPtr_HwNm_T_f32             | -1.4375                     | -1.4375        | ~        |  |

| Т                           |       |                             |       | <b>✓</b> |
|-----------------------------|-------|-----------------------------|-------|----------|
| Actual Function             | Count | Expected Function           | Count | Result   |
| IntplVarXY_u16_u16Xu16Y_Cnt | 1     | IntplVarXY_u16_u16Xu16Y_Cnt | 1     | ~        |



#### **Test Case 2: Boundary Test**

#### Specification

```
Performance Metrics (With "None" Instrumentation and WithPS Environment)
CPU Cycles:
```

TS2.1 97 cycles
TS2.2 97 cycles
TS2.2 97 cycles
TS2.3 97 cycles
TS2.4 166 cycles
TS2.5 163 cycles
TS2.6 105 cycles
TS2.7 108 cycles
TS2.9 166 cycles
TS2.10 166 cycles
TS2.11 166 cycles
TS2.12 109 cycles
TS2.12 109 cycles
TS2.12 109 cycles
TS2.14 109 cycles
TS2.15 108 cycles
TS2.16 108 cycles
TS2.17 97 cycles
TS2.19 97 cycles
TS2.19 97 cycles
TS2.19 97 cycles
TS2.19 97 cycles
TS2.10 cycles
TS2.20 108 cycles
TS2.21 163 cycles
TS2.21 163 cycles
TS2.22 105 cycles
TS2.23 94 cycles
TS2.24 105 cycles
TS2.27 163 cycles
TS2.27 163 cycles
TS2.27 163 cycles
TS2.29 94 cycles
TS2.29 94 cycles
TS2.29 94 cycles

#### Description

#### Vector Description

TS2 29All max

```
Vector Description

TS2.1HandWheelPos2_HwDeg_T_f32 min
TS2.2HandWheelPos2_HwDeg_T_f32 max
TS2.3HandWheelPos2_HwDeg_T_f32 zero
TS2.4HandWheelPos2_HwDeg_T_f32 reg
TS2.5HandWheelPos2_HwDeg_T_f32 pos
TS2.6HwTorque_HwNeg_T_f32 pos
TS2.6HwTorque_HwNeg_T_f32 min
TS2.7HwTorque_HwNeg_T_f32 max
TS2.8HwTorque_HwNeg_T_f32 pos
TS2.9HwTorque_HwNeg_T_f32 pos
TS2.9HwTorque_HwNeg_T_f32 pos
TS2.10HwTorque_HwNeg_T_f32 pos
TS2.11PrevEOTGain_Uls_T_f32 min
TS2.12PrevEOTGain_Uls_T_f32 max
TS2.13PrevEOTGain_Uls_T_f32 pos
TS2.14FiltHwTrqSV_HwNeg_Tp24 min
TS2.15FiltHwTrqSV_HwNeg_Tp24 max
TS2.16FiltHwTrqSV_HwNeg_Tp24 reg
TS2.18FiltHwTrqSV_HwNeg_Tp24 pos
TS2.18FiltHwTrqSV_HwNeg_Tp24 pos
TS2.19k_EOTStateHwTrqLPFKn_Cnt_u16 min
TS2.20k_EOTStateHwTrqLPFKn_Cnt_u16 min
TS2.21k_EOTStateHwTrqLPFKn_Cnt_u16 min/Con_transporter_transporter_transporter_transporter_transporter_transporter_transporter_transporter_transporter_transporter_transporter_transporter_transporter_transporter_transporter_transporter_transporter_transporter_transporter_transporter_transporter_transporter_transporter_transporter_transporter_transporter_transporter_transporter_transporter_transporter_transporter_transporter_transporter_transporter_transporter_transporter_transporter_transporter_transporter_transporter_transporter_transporter_transporter_transporter_transporter_transporter_transporter_transporter_transporter_transporter_transporter_transporter_transporter_transporter_transporter_transporter_transporter_transporter_transporter_transporter_transporter_transporter_transporter_transporter_transporter_transporter_transporter_transporter_transporter_transporter_transporter_transporter_transporter_transporter_transporter_transporter_transporter_transporter_transporter_transporter_transporter_transporter_transporter_transporter_transporter_transporter_transporter_transporter_transporter_transporter_transporter_transporter_transporter_transporter_transporter_transporter_transporter_transporter_transporter_transporter_transporter_transporter_transporter_transporter_transport
                         TS2.21k_EOTStateHwTrqLPFKn_Cnt_u16 mid/default
            TS2.221 EOTStateHWIND_U8p8[2] min TS2.221_TrqTableX_HwNm_u8p8[2] min TS2.231_TrqTableX_HwNm_u8p8[2] mid TS2.241_TrqTableX_HwNm_u8p8[2] mid TS2.251_TrqTblY_UIs_u2p14[2] min TS2.261_TrqTblY_UIs_u2p14[2] max TS2.271_TrqTblY_UIs_u2p14[2] min TS2.280 
                         TS2.28All min
```

| Test Step 2.1 (Repeat Count = 1)        |                             |                | <b>✓</b> |
|---|-----------------------------|----------------|----------|
| Name                                    | Input Value                 |                |          |
| EOTActuatorMng_FiltHWTrqSV_HwNm_M_s7p24 | -25165824                   |                |          |
| FiltHwTrqPtr_HwNm_T_f32                 | tgt_FiltHwTrqPtr_HwNm_T_f32 |                |          |
| HandWheelPos_HwDeg_T_f32                | -1440.10999                 |                |          |
| HwTorque_HwNm_T_f32                     | 1.125                       |                |          |
| PrevEOTGain_UIs_T_f32                   | 0.10000001                  |                |          |
| k_EOTStateHwTrqLPFKn_Cnt_u16            | 3754                        |                |          |
| t_TrqTableX_HwNm_u8p8[0]                | 512                         |                |          |
| t_TrqTableX_HwNm_u8p8[1]                | 1280                        |                |          |
| t_TrqTblY_Uls_u2p14[0]                  | 16                          |                |          |
| t_TrqTblY_Uls_u2p14[1]                  | 164                         |                |          |
| Name                                    | Actual Value                | Expected Value | Result   |
| EOTActuatorMng_FiltHWTrqSV_HwNm_M_s7p24 | -24805440                   | -24805440 ± 1  | ~        |
| SES_CalcExitGain()                      | 0.10000001                  | 0.100000001    | <b>✓</b> |
| tgt FiltHwTrqPtr HwNm T f32             | -1.48046875                 | -1.48046875    | <b>✓</b> |

| T                           |       |                             |       | <b>✓</b> |
|-----------------------------|-------|-----------------------------|-------|----------|
| Actual Function             | Count | Expected Function           | Count | Result   |
| IntplVarXY_u16_u16Xu16Y_Cnt | 1     | IntplVarXY_u16_u16Xu16Y_Cnt | 1     | ~        |





| Test Step 2.2 (Repeat Count = 1)        |                             | <b>✓</b>       |
|---|-----------------------------|----------------|
| Name                                    | Input Value                 |                |
| EOTActuatorMng_FiltHWTrqSV_HwNm_M_s7p24 | 25165824                    |                |
| FiltHwTrqPtr_HwNm_T_f32                 | tgt_FiltHwTrqPtr_HwNm_T_f32 |                |
| HandWheelPos_HwDeg_T_f32                | 1440.10999                  |                |
| HwTorque_HwNm_T_f32                     | -1.25399995                 |                |
| PrevEOTGain_Uls_T_f32                   | 0.200000003                 |                |
| k_EOTStateHwTrqLPFKn_Cnt_u16            | 2436                        |                |
| t_TrqTableX_HwNm_u8p8[0]                | 768                         |                |
| t_TrqTableX_HwNm_u8p8[1]                | 1536                        |                |
| t_TrqTbIY_UIs_u2p14[0]                  | 33                          |                |
| t_TrqTbIY_UIs_u2p14[1]                  | 328                         |                |
| Name                                    | Actual Value Expected       | d Value Result |
| EOTActuatorMng_FiltHWTrqSV_HwNm_M_s7p24 | 23448444 23448444           | ±1 🗸           |
| SES_CalcExitGain()                      | 0.20000003 0.2000000        | 003            |
| tgt_FiltHwTrqPtr_HwNm_T_f32             | 1.39453125 1.3945312        | 25             |

| T                           |       |                             |       | <b>✓</b> |
|-----------------------------|-------|-----------------------------|-------|----------|
| Actual Function             | Count | Expected Function           | Count | Result   |
| IntplVarXY_u16_u16Xu16Y_Cnt | 1     | IntplVarXY_u16_u16Xu16Y_Cnt | 1     | ~        |

| Test Step 2.3 (Repeat Count = 1)        |                             |                | ✓        |
|---|-----------------------------|----------------|----------|
| Name                                    | Input Value                 |                |          |
| EOTActuatorMng_FiltHWTrqSV_HwNm_M_s7p24 | -150994944                  |                |          |
| FiltHwTrqPtr_HwNm_T_f32                 | tgt_FiltHwTrqPtr_HwNm_T_f32 |                |          |
| HandWheelPos_HwDeg_T_f32                | 0                           |                |          |
| HwTorque_HwNm_T_f32                     | 2.35400009                  |                |          |
| PrevEOTGain_Uls_T_f32                   | 0.30000012                  |                |          |
| k_EOTStateHwTrqLPFKn_Cnt_u16            | 9999                        |                |          |
| t_TrqTableX_HwNm_u8p8[0]                | 1024                        |                |          |
| t_TrqTableX_HwNm_u8p8[1]                | 1792                        |                |          |
| t_TrqTbIY_UIs_u2p14[0]                  | 49                          |                |          |
| t_TrqTbIY_UIs_u2p14[1]                  | 492                         |                |          |
| Name                                    | Actual Value                | Expected Value | Result   |
| EOTActuatorMng_FiltHWTrqSV_HwNm_M_s7p24 | -121937850                  | -121937850 ± 1 | ~        |
| SES_CalcExitGain()                      | 0.30000012                  | 0.30000012     | <b>✓</b> |
| tgt FiltHwTrgPtr HwNm T f32             | -7.26953125                 | -7.26953125    | <b>✓</b> |

| T                           |       |                             |       | <b>✓</b> |
|-----------------------------|-------|-----------------------------|-------|----------|
| Actual Function             | Count | Expected Function           | Count | Result   |
| IntplVarXY_u16_u16Xu16Y_Cnt | 1     | IntplVarXY_u16_u16Xu16Y_Cnt | 1     | ~        |

| Test Step 2.4 (Repeat Count = 1)        |                             |                |        |
|---|-----------------------------|----------------|--------|
| Name                                    | Input Value                 |                |        |
| EOTActuatorMng_FiltHWTrqSV_HwNm_M_s7p24 | 150994944                   |                |        |
| FiltHwTrqPtr_HwNm_T_f32                 | tgt_FiltHwTrqPtr_HwNm_T_f32 |                |        |
| HandWheelPos_HwDeg_T_f32                | -1000.09998                 |                |        |
| HwTorque_HwNm_T_f32                     | -2.1559999                  |                |        |
| PrevEOTGain_Uls_T_f32                   | 0.40000006                  |                |        |
| k_EOTStateHwTrqLPFKn_Cnt_u16            | 8888                        |                |        |
| t_TrqTableX_HwNm_u8p8[0]                | 256                         |                |        |
| t_TrqTableX_HwNm_u8p8[1]                | 1536                        |                |        |
| t_TrqTblY_Uls_u2p14[0]                  | 66                          |                |        |
| t_TrqTblY_Uls_u2p14[1]                  | 655                         |                |        |
| Name                                    | Actual Value                | Expected Value | Result |
| EOTActuatorMng_FiltHWTrqSV_HwNm_M_s7p24 | 135414280                   | 135414280 ± 1  | •      |
| SES_CalcExitGain()                      | 0.40000006                  | 0.40000006     | •      |
| tgt FiltHwTrgPtr HwNm T f32             | 8.0703125                   | 8.0703125      | •      |

| T                           |       |                             |       | <b>✓</b> |
|-----------------------------|-------|-----------------------------|-------|----------|
| Actual Function             | Count | Expected Function           | Count | Result   |
| IntplVarXY_u16_u16Xu16Y_Cnt | 1     | IntplVarXY_u16_u16Xu16Y_Cnt | 1     | ~        |



SES\_CalcExitGain

| Test Step 2.5 (Repeat Count = 1)        |                             |                | V      |  |
|---|-----------------------------|----------------|--------|--|
| Name                                    | Input Value                 |                |        |  |
| EOTActuatorMng_FiltHWTrqSV_HwNm_M_s7p24 | -134217728                  |                |        |  |
| FiltHwTrqPtr_HwNm_T_f32                 | tgt_FiltHwTrqPtr_HwNm_T_f32 |                |        |  |
| HandWheelPos_HwDeg_T_f32                | 1000.09998                  |                |        |  |
| HwTorque_HwNm_T_f32                     | 3.65100002                  |                |        |  |
| PrevEOTGain_Uls_T_f32                   | 0.5                         |                |        |  |
| k_EOTStateHwTrqLPFKn_Cnt_u16            | 7777                        | 7777           |        |  |
| t_TrqTableX_HwNm_u8p8[0]                | 512                         |                |        |  |
| t_TrqTableX_HwNm_u8p8[1]                | 1280                        |                |        |  |
| t_TrqTblY_Uls_u2p14[0]                  | 82                          |                |        |  |
| t_TrqTblY_Uls_u2p14[1]                  | 819                         |                |        |  |
| Name                                    | Actual Value                | Expected Value | Result |  |
| EOTActuatorMng_FiltHWTrqSV_HwNm_M_s7p24 | -111026714                  | -111026714 ± 1 | ~      |  |
| SES_CalcExitGain()                      | 0.5                         | 0.5            | ~      |  |
| tgt_FiltHwTrqPtr_HwNm_T_f32             | -6.62109375                 | -6.62109375    | ~      |  |

| T                           |       |                             |       | <b>✓</b> |
|-----------------------------|-------|-----------------------------|-------|----------|
| Actual Function             | Count | Expected Function           | Count | Result   |
| IntplVarXY_u16_u16Xu16Y_Cnt | 1     | IntplVarXY_u16_u16Xu16Y_Cnt | 1     | ~        |

| Test Step 2.6 (Repeat Count = 1)        |                             |                | <b>✓</b> |
|---|-----------------------------|----------------|----------|
| Name                                    | Input Value                 |                |          |
| EOTActuatorMng_FiltHWTrqSV_HwNm_M_s7p24 | 134217728                   |                |          |
| FiltHwTrqPtr_HwNm_T_f32                 | tgt_FiltHwTrqPtr_HwNm_T_f32 |                |          |
| HandWheelPos_HwDeg_T_f32                | 900.122986                  |                |          |
| HwTorque_HwNm_T_f32                     | -10                         |                |          |
| PrevEOTGain_Uls_T_f32                   | 0.600000024                 |                |          |
| k_EOTStateHwTrqLPFKn_Cnt_u16            | 6666                        |                |          |
| t_TrqTableX_HwNm_u8p8[0]                | 768                         |                |          |
| t_TrqTableX_HwNm_u8p8[1]                | 1024                        |                |          |
| t_TrqTbIY_UIs_u2p14[0]                  | 98                          |                |          |
| t_TrqTbIY_UIs_u2p14[1]                  | 16                          |                |          |
| Name                                    | Actual Value                | Expected Value | Result   |
| EOTActuatorMng_FiltHWTrqSV_HwNm_M_s7p24 | 103500800                   | 103500800 ± 1  | ~        |
| SES_CalcExitGain()                      | 0.600000024                 | 0.600000024    | <b>✓</b> |
| tgt FiltHwTrgPtr HwNm T f32             | 6.16796875                  | 6.16796875     | ✓        |

| T                           |       |                             |       | V      |
|-----------------------------|-------|-----------------------------|-------|--------|
| Actual Function             | Count | Expected Function           | Count | Result |
| IntplVarXY_u16_u16Xu16Y_Cnt | 1     | IntplVarXY_u16_u16Xu16Y_Cnt | 1     | ~      |

| Test Step 2.7 (Repeat Count = 1)        |                             |                | <b>✓</b> |  |
|---|-----------------------------|----------------|----------|--|
| Name                                    | Input Value                 |                |          |  |
| EOTActuatorMng_FiltHWTrqSV_HwNm_M_s7p24 | -117440512                  |                |          |  |
| FiltHwTrqPtr_HwNm_T_f32                 | tgt_FiltHwTrqPtr_HwNm_T_f32 | 2              |          |  |
| HandWheelPos_HwDeg_T_f32                | -900.257996                 |                |          |  |
| HwTorque_HwNm_T_f32                     | 10                          |                |          |  |
| PrevEOTGain_Uls_T_f32                   | 0.69999988                  | 0.69999988     |          |  |
| k_EOTStateHwTrqLPFKn_Cnt_u16            | 5555                        |                |          |  |
| t_TrqTableX_HwNm_u8p8[0]                | 512                         |                |          |  |
| t_TrqTableX_HwNm_u8p8[1]                | 768                         |                |          |  |
| t_TrqTblY_Uls_u2p14[0]                  | 115                         |                |          |  |
| t_TrqTblY_Uls_u2p14[1]                  | 33                          |                |          |  |
| Name                                    | Actual Value                | Expected Value | Result   |  |
| EOTActuatorMng_FiltHWTrqSV_HwNm_M_s7p24 | -121706752                  | -121706752 ± 1 | ~        |  |
| SES_CalcExitGain()                      | 0.69999988                  | 0.69999988     | ~        |  |
| tgt_FiltHwTrqPtr_HwNm_T_f32             | -7.2578125                  | -7.2578125     | ~        |  |

| T                           |       |                             |       | <b>✓</b> |
|-----------------------------|-------|-----------------------------|-------|----------|
| Actual Function             | Count | Expected Function           | Count | Result   |
| IntplVarXY_u16_u16Xu16Y_Cnt | 1     | IntplVarXY_u16_u16Xu16Y_Cnt | 1     | ~        |





| Test Step 2.8 (Repeat Count = 1)        |                             | <b>✓</b>     |
|---|-----------------------------|--------------|
| Name                                    | Input Value                 |              |
| EOTActuatorMng_FiltHWTrqSV_HwNm_M_s7p24 | 117440512                   |              |
| FiltHwTrqPtr_HwNm_T_f32                 | tgt_FiltHwTrqPtr_HwNm_T_f32 |              |
| HandWheelPos_HwDeg_T_f32                | 800.323975                  |              |
| HwTorque_HwNm_T_f32                     | 0                           |              |
| PrevEOTGain_Uls_T_f32                   | 0.800000012                 |              |
| k_EOTStateHwTrqLPFKn_Cnt_u16            | 4444                        |              |
| t_TrqTableX_HwNm_u8p8[0]                | 256                         |              |
| t_TrqTableX_HwNm_u8p8[1]                | 512                         |              |
| t_TrqTbIY_UIs_u2p14[0]                  | 131                         |              |
| t_TrqTbIY_UIs_u2p14[1]                  | 49                          |              |
| Name                                    | Actual Value Expected \     | Value Result |
| EOTActuatorMng_FiltHWTrqSV_HwNm_M_s7p24 | 109476864 109476864 ±       | :1           |
| SES_CalcExitGain()                      | 0.800000012 0.800000012     | 2            |
| tgt_FiltHwTrqPtr_HwNm_T_f32             | 6.5234375 6.5234375         | ✓            |

| T                           |       |                             |       | <b>✓</b> |
|-----------------------------|-------|-----------------------------|-------|----------|
| Actual Function             | Count | Expected Function           | Count | Result   |
| IntplVarXY_u16_u16Xu16Y_Cnt | 1     | IntplVarXY_u16_u16Xu16Y_Cnt | 1     | ~        |

| Test Step 2.9 (Repeat Count = 1)        |                             |                | ✓        |
|---|-----------------------------|----------------|----------|
| Name                                    | Input Value                 |                |          |
| EOTActuatorMng_FiltHWTrqSV_HwNm_M_s7p24 | -100663296                  |                |          |
| FiltHwTrqPtr_HwNm_T_f32                 | tgt_FiltHwTrqPtr_HwNm_T_f32 |                |          |
| HandWheelPos_HwDeg_T_f32                | -800.254028                 |                |          |
| HwTorque_HwNm_T_f32                     | -5.0999999                  |                |          |
| PrevEOTGain_UIs_T_f32                   | 0.89999976                  |                |          |
| k_EOTStateHwTrqLPFKn_Cnt_u16            | 3333                        |                |          |
| t_TrqTableX_HwNm_u8p8[0]                | 256                         |                |          |
| t_TrqTableX_HwNm_u8p8[1]                | 1792                        |                |          |
| t_TrqTbIY_UIs_u2p14[0]                  | 147                         |                |          |
| t_TrqTblY_Uls_u2p14[1]                  | 66                          |                |          |
| Name                                    | Actual Value                | Expected Value | Result   |
| EOTActuatorMng_FiltHWTrqSV_HwNm_M_s7p24 | -91194243                   | -91194243 ± 1  | ~        |
| SES_CalcExitGain()                      | 0.89999976                  | 0.89999976     | <b>✓</b> |
| tgt FiltHwTrgPtr HwNm T f32             | -5.4375                     | -5.4375        | <b>✓</b> |

| T                           |       |                             |       | <b>✓</b> |
|-----------------------------|-------|-----------------------------|-------|----------|
| Actual Function             | Count | Expected Function           | Count | Result   |
| IntplVarXY_u16_u16Xu16Y_Cnt | 1     | IntplVarXY_u16_u16Xu16Y_Cnt | 1     | ~        |

| Name                                    | Input Value                 |                |        |
|---|-----------------------------|----------------|--------|
| EOTActuatorMng_FiltHWTrqSV_HwNm_M_s7p24 | 100663296                   |                |        |
| FiltHwTrqPtr_HwNm_T_f32                 | tgt_FiltHwTrqPtr_HwNm_T_f32 | 2              |        |
| HandWheelPos_HwDeg_T_f32                | 700.025024                  |                |        |
| HwTorque_HwNm_T_f32                     | 5.0999999                   |                |        |
| PrevEOTGain_Uls_T_f32                   | 0.150000006                 |                |        |
| k_EOTStateHwTrqLPFKn_Cnt_u16            | 2222                        |                |        |
| t_TrqTableX_HwNm_u8p8[0]                | 768                         |                |        |
| t_TrqTableX_HwNm_u8p8[1]                | 2304                        |                |        |
| t_TrqTblY_Uls_u2p14[0]                  | 164                         |                |        |
| t_TrqTblY_Uls_u2p14[1]                  | 82                          |                |        |
| Name                                    | Actual Value                | Expected Value | Result |
| EOTActuatorMng_FiltHWTrqSV_HwNm_M_s7p24 | 100150014                   | 100150014 ± 1  | •      |
| SES_CalcExitGain()                      | 0.150000006                 | 0.150000006    | •      |
| tgt FiltHwTrqPtr HwNm T f32             | 5.96875                     | 5.96875        | •      |

| T                           |       |                             |       | <b>✓</b> |
|-----------------------------|-------|-----------------------------|-------|----------|
| Actual Function             | Count | Expected Function           | Count | Result   |
| IntplVarXY_u16_u16Xu16Y_Cnt | 1     | IntplVarXY_u16_u16Xu16Y_Cnt | 1     | ~        |



| Test Step 2.11 (Repeat Count = 1)       |                             |                | <b>✓</b> |
|---|-----------------------------|----------------|----------|
| Name                                    | Input Value                 |                |          |
| EOTActuatorMng_FiltHWTrqSV_HwNm_M_s7p24 | -83886080                   |                |          |
| FiltHwTrqPtr_HwNm_T_f32                 | tgt_FiltHwTrqPtr_HwNm_T_f32 |                |          |
| HandWheelPos_HwDeg_T_f32                | -700.841003                 |                |          |
| HwTorque_HwNm_T_f32                     | -3.35400009                 |                |          |
| PrevEOTGain_Uls_T_f32                   | 0                           |                |          |
| k_EOTStateHwTrqLPFKn_Cnt_u16            | 1111                        |                |          |
| t_TrqTableX_HwNm_u8p8[0]                | 256                         |                |          |
| t_TrqTableX_HwNm_u8p8[1]                | 1280                        |                |          |
| t_TrqTbIY_UIs_u2p14[0]                  | 98                          |                |          |
| t_TrqTblY_Uls_u2p14[1]                  | 180                         |                |          |
| Name                                    | Actual Value                | Expected Value | Result   |
| EOTActuatorMng_FiltHWTrqSV_HwNm_M_s7p24 | -81510762                   | -81510762 ± 1  | ~        |
| SES_CalcExitGain()                      | 0.00891113281               | 0.00891113281  | ~        |
| tgt_FiltHwTrqPtr_HwNm_T_f32             | -4.859375                   | -4.859375      | <b>✓</b> |

| T                           |       |                             |       | V      |
|-----------------------------|-------|-----------------------------|-------|--------|
| Actual Function             | Count | Expected Function           | Count | Result |
| IntplVarXY_u16_u16Xu16Y_Cnt | 1     | IntplVarXY_u16_u16Xu16Y_Cnt | 1     | ~      |

| Test Step 2.12 (Repeat Count = 1)       |                             |                | ✓        |
|---|-----------------------------|----------------|----------|
| Name                                    | Input Value                 |                |          |
| EOTActuatorMng_FiltHWTrqSV_HwNm_M_s7p24 | 83886080                    |                |          |
| FiltHwTrqPtr_HwNm_T_f32                 | tgt_FiltHwTrqPtr_HwNm_T_f32 |                |          |
| HandWheelPos_HwDeg_T_f32                | 600.122986                  |                |          |
| HwTorque_HwNm_T_f32                     | 4.85400009                  |                |          |
| PrevEOTGain_Uls_T_f32                   | 1                           |                |          |
| k_EOTStateHwTrqLPFKn_Cnt_u16            | 1000                        |                |          |
| t_TrqTableX_HwNm_u8p8[0]                | 256                         |                |          |
| t_TrqTableX_HwNm_u8p8[1]                | 1024                        |                |          |
| t_TrqTblY_Uls_u2p14[0]                  | 197                         |                |          |
| t_TrqTblY_Uls_u2p14[1]                  | 115                         |                |          |
| Name                                    | Actual Value                | Expected Value | Result   |
| EOTActuatorMng_FiltHWTrqSV_HwNm_M_s7p24 | 83848080                    | 83848080 ± 1   | ~        |
| SES_CalcExitGain()                      | 1                           | 1              | <b>✓</b> |
| tgt FiltHwTrgPtr HwNm T f32             | 4.99609375                  | 4.99609375     | <b>✓</b> |

| T                           |       |                             |       | <b>✓</b> |
|-----------------------------|-------|-----------------------------|-------|----------|
| Actual Function             | Count | Expected Function           | Count | Result   |
| IntplVarXY_u16_u16Xu16Y_Cnt | 1     | IntplVarXY_u16_u16Xu16Y_Cnt | 1     | ~        |

| Test Step 2.13 (Repeat Count = 1)       |                             |                |        |
|---|-----------------------------|----------------|--------|
| Name                                    | Input Value                 |                |        |
| EOTActuatorMng_FiltHWTrqSV_HwNm_M_s7p24 | -67108864                   |                |        |
| FiltHwTrqPtr_HwNm_T_f32                 | tgt_FiltHwTrqPtr_HwNm_T_f32 |                |        |
| HandWheelPos_HwDeg_T_f32                | -600.153992                 |                |        |
| HwTorque_HwNm_T_f32                     | -4.64400005                 |                |        |
| PrevEOTGain_Uls_T_f32                   | 0.5                         |                |        |
| k_EOTStateHwTrqLPFKn_Cnt_u16            | 900                         |                |        |
| t_TrqTableX_HwNm_u8p8[0]                | 2048                        |                |        |
| t_TrqTableX_HwNm_u8p8[1]                | 2304                        |                |        |
| t_TrqTblY_Uls_u2p14[0]                  | 213                         |                |        |
| t_TrqTblY_Uls_u2p14[1]                  | 131                         |                |        |
| Name                                    | Actual Value                | Expected Value | Result |
| EOTActuatorMng_FiltHWTrqSV_HwNm_M_s7p24 | -65118064                   | -65118064 ± 1  | •      |
| SES_CalcExitGain()                      | 0.5                         | 0.5            | •      |
| tgt FiltHwTrgPtr HwNm T f32             | -3.8828125                  | -3.8828125     | •      |

| T                           |       |                             |       | <b>✓</b> |
|-----------------------------|-------|-----------------------------|-------|----------|
| Actual Function             | Count | Expected Function           | Count | Result   |
| IntplVarXY_u16_u16Xu16Y_Cnt | 1     | IntplVarXY_u16_u16Xu16Y_Cnt | 1     | ~        |





| Test Step 2.14 (Repeat Count = 1)       |                             |                | <b>✓</b> |
|---|-----------------------------|----------------|----------|
| Name                                    | Input Value                 |                |          |
| EOTActuatorMng_FiltHWTrqSV_HwNm_M_s7p24 | -167772160                  |                |          |
| FiltHwTrqPtr_HwNm_T_f32                 | tgt_FiltHwTrqPtr_HwNm_T_f32 |                |          |
| HandWheelPos_HwDeg_T_f32                | -300.153992                 |                |          |
| HwTorque_HwNm_T_f32                     | -8.85400009                 |                |          |
| PrevEOTGain_Uls_T_f32                   | 0.75                        |                |          |
| k_EOTStateHwTrqLPFKn_Cnt_u16            | 800                         |                |          |
| t_TrqTableX_HwNm_u8p8[0]                | 1536                        |                |          |
| t_TrqTableX_HwNm_u8p8[1]                | 2048                        |                |          |
| t_TrqTbIY_Uls_u2p14[0]                  | 229                         |                |          |
| t_TrqTblY_Uls_u2p14[1]                  | 147                         |                |          |
| Name                                    | Actual Value                | Expected Value | Result   |
| EOTActuatorMng_FiltHWTrqSV_HwNm_M_s7p24 | -163911360                  | -163911360 ± 1 | <b>✓</b> |
| SES_CalcExitGain()                      | 0.75                        | 0.75           | <b>✓</b> |
| tgt_FiltHwTrqPtr_HwNm_T_f32             | -9.7734375                  | -9.7734375     | <b>✓</b> |

| T                           |       |                             |       | V      |
|-----------------------------|-------|-----------------------------|-------|--------|
| Actual Function             | Count | Expected Function           | Count | Result |
| IntplVarXY_u16_u16Xu16Y_Cnt | 1     | IntplVarXY_u16_u16Xu16Y_Cnt | 1     | ~      |

| Test Step 2.15 (Repeat Count = 1)       |                             | ·                  |
|---|-----------------------------|--------------------|
| Name                                    | Input Value                 |                    |
| EOTActuatorMng_FiltHWTrqSV_HwNm_M_s7p24 | 167772160                   |                    |
| FiltHwTrqPtr_HwNm_T_f32                 | tgt_FiltHwTrqPtr_HwNm_T_f32 |                    |
| HandWheelPos_HwDeg_T_f32                | 200.510101                  |                    |
| HwTorque_HwNm_T_f32                     | 9.35099983                  |                    |
| PrevEOTGain_Uls_T_f32                   | 0.850000024                 |                    |
| k_EOTStateHwTrqLPFKn_Cnt_u16            | 700                         |                    |
| t_TrqTableX_HwNm_u8p8[0]                | 1280                        |                    |
| t_TrqTableX_HwNm_u8p8[1]                | 1792                        |                    |
| t_TrqTbIY_UIs_u2p14[0]                  | 246                         |                    |
| t_TrqTbIY_UIs_u2p14[1]                  | 164                         |                    |
| Name                                    | Actual Value Expe           | ected Value Result |
| EOTActuatorMng_FiltHWTrqSV_HwNm_M_s7p24 | 167655260 16765             | 55260 ± 1          |
| SES_CalcExitGain()                      | 0.850000024 0.850           | 000024             |
| tgt FiltHwTrqPtr HwNm T f32             | 9.9921875 9.992             | 1875               |

| T                           |       |                             |       | V      |
|-----------------------------|-------|-----------------------------|-------|--------|
| Actual Function             | Count | Expected Function           | Count | Result |
| IntplVarXY_u16_u16Xu16Y_Cnt | 1     | IntplVarXY_u16_u16Xu16Y_Cnt | 1     | ~      |

| Name                                    | Input Value                 |                |        |
|---|-----------------------------|----------------|--------|
| EOTActuatorMng_FiltHWTrqSV_HwNm_M_s7p24 | 0                           |                |        |
| FiltHwTrqPtr_HwNm_T_f32                 | tgt_FiltHwTrqPtr_HwNm_T_f32 | 2              |        |
| HandWheelPos_HwDeg_T_f32                | -200.873993                 |                |        |
| HwTorque_HwNm_T_f32                     | -9.14700031                 |                |        |
| PrevEOTGain_Uls_T_f32                   | 0.94999988                  |                |        |
| k_EOTStateHwTrqLPFKn_Cnt_u16            | 600                         |                |        |
| t_TrqTableX_HwNm_u8p8[0]                | 512                         |                |        |
| t_TrqTableX_HwNm_u8p8[1]                | 1536                        |                |        |
| t_TrqTblY_Uls_u2p14[0]                  | 262                         |                |        |
| t_TrqTblY_Uls_u2p14[1]                  | 180                         |                |        |
| Name                                    | Actual Value                | Expected Value | Result |
| EOTActuatorMng_FiltHWTrqSV_HwNm_M_s7p24 | 1404600                     | 1404600 ± 1    | •      |
| SES_CalcExitGain()                      | 0.94999988                  | 0.94999988     | •      |
| tgt FiltHwTrqPtr HwNm T f32             | 0.08203125                  | 0.08203125     | •      |

| T                           |       |                             |       | <b>✓</b> |
|-----------------------------|-------|-----------------------------|-------|----------|
| Actual Function             | Count | Expected Function           | Count | Result   |
| IntplVarXY_u16_u16Xu16Y_Cnt | 1     | IntplVarXY_u16_u16Xu16Y_Cnt | 1     | ~        |



SES\_CalcExitGain

| Test Step 2.17 (Repeat Count = 1)       |                             |                | ✓      |
|---|-----------------------------|----------------|--------|
| Name                                    | Input Value                 |                |        |
| EOTActuatorMng_FiltHWTrqSV_HwNm_M_s7p24 | -52009369                   |                |        |
| FiltHwTrqPtr_HwNm_T_f32                 | tgt_FiltHwTrqPtr_HwNm_T_f32 |                |        |
| HandWheelPos_HwDeg_T_f32                | 100.357002                  |                |        |
| HwTorque_HwNm_T_f32                     | 1.5                         |                |        |
| PrevEOTGain_Uls_T_f32                   | 0.109999999                 |                |        |
| k_EOTStateHwTrqLPFKn_Cnt_u16            | 500                         |                |        |
| t_TrqTableX_HwNm_u8p8[0]                | 768                         |                |        |
| t_TrqTableX_HwNm_u8p8[1]                | 1280                        |                |        |
| t_TrqTbIY_Uls_u2p14[0]                  | 279                         |                |        |
| t_TrqTbIY_Uls_u2p14[1]                  | 197                         |                |        |
| Name                                    | Actual Value                | Expected Value | Result |
| EOTActuatorMng_FiltHWTrqSV_HwNm_M_s7p24 | -51420369                   | -51420370 ± 1  | ~      |
| SES_CalcExitGain()                      | 0.109999999                 | 0.109999999    | ~      |
| tgt_FiltHwTrqPtr_HwNm_T_f32             | -3.06640625                 | -3.06640625    | ~      |

| T                           |       |                             |       | V      |
|-----------------------------|-------|-----------------------------|-------|--------|
| Actual Function             | Count | Expected Function           | Count | Result |
| IntplVarXY_u16_u16Xu16Y_Cnt | 1     | IntplVarXY_u16_u16Xu16Y_Cnt | 1     | ~      |

| Test Step 2.18 (Repeat Count = 1)       |                             |                | ✓        |
|---|-----------------------------|----------------|----------|
| Name                                    | Input Value                 |                |          |
| EOTActuatorMng_FiltHWTrqSV_HwNm_M_s7p24 | 52009369                    |                |          |
| FiltHwTrqPtr_HwNm_T_f32                 | tgt_FiltHwTrqPtr_HwNm_T_f32 |                |          |
| HandWheelPos_HwDeg_T_f32                | -100.158997                 |                |          |
| HwTorque_HwNm_T_f32                     | -1.5                        |                |          |
| PrevEOTGain_Uls_T_f32                   | 0.21999999                  |                |          |
| k_EOTStateHwTrqLPFKn_Cnt_u16            | 400                         |                |          |
| t_TrqTableX_HwNm_u8p8[0]                | 0                           |                |          |
| t_TrqTableX_HwNm_u8p8[1]                | 1024                        |                |          |
| t_TrqTbIY_Uls_u2p14[0]                  | 295                         |                |          |
| t_TrqTbIY_Uls_u2p14[1]                  | 213                         |                |          |
| Name                                    | Actual Value                | Expected Value | Result   |
| EOTActuatorMng_FiltHWTrqSV_HwNm_M_s7p24 | 51845769                    | 51845770 ± 1   | ~        |
| SES_CalcExitGain()                      | 0.21999999                  | 0.219999999    | <b>✓</b> |
| tgt FiltHwTrqPtr HwNm T f32             | 3.08984375                  | 3.08984375     | <b>✓</b> |

| T                           |       |                             |       | <b>✓</b> |
|-----------------------------|-------|-----------------------------|-------|----------|
| Actual Function             | Count | Expected Function           | Count | Result   |
| IntplVarXY_u16_u16Xu16Y_Cnt | 1     | IntplVarXY_u16_u16Xu16Y_Cnt | 1     |          |

| Name                                    | Input Value                 |                |        |
|---|-----------------------------|----------------|--------|
| EOTActuatorMng_FiltHWTrqSV_HwNm_M_s7p24 | 67108864                    |                |        |
| FiltHwTrqPtr_HwNm_T_f32                 | tgt_FiltHwTrqPtr_HwNm_T_f32 |                |        |
| HandWheelPos_HwDeg_T_f32                | 111.851997                  |                |        |
| HwTorque_HwNm_T_f32                     | 2.5                         |                |        |
| PrevEOTGain_Uls_T_f32                   | 0.330000013                 |                |        |
| k_EOTStateHwTrqLPFKn_Cnt_u16            | 82                          |                |        |
| t_TrqTableX_HwNm_u8p8[0]                | 1536                        |                |        |
| t_TrqTableX_HwNm_u8p8[1]                | 2304                        |                |        |
| t_TrqTblY_Uls_u2p14[0]                  | 311                         |                |        |
| t_TrqTblY_Uls_u2p14[1]                  | 229                         |                |        |
| Name                                    | Actual Value                | Expected Value | Result |
| EOTActuatorMng_FiltHWTrqSV_HwNm_M_s7p24 | 67077376                    | 67077376 ± 1   | •      |
| SES_CalcExitGain()                      | 0.330000013                 | 0.330000013    | •      |
| tgt_FiltHwTrqPtr_HwNm_T_f32             | 3.99609375                  | 3.99609375     | •      |

| <b>T</b>                    |       |                             |       |        |
|-----------------------------|-------|-----------------------------|-------|--------|
| Actual Function             | Count | Expected Function           | Count | Result |
| IntplVarXY_u16_u16Xu16Y_Cnt | 1     | IntplVarXY_u16_u16Xu16Y_Cnt | 1     | ~      |



SES\_CalcExitGain

| Test Step 2.20 (Repeat Count = 1)       |                             |                | ~      |
|---|-----------------------------|----------------|--------|
| Name                                    | Input Value                 |                |        |
| EOTActuatorMng_FiltHWTrqSV_HwNm_M_s7p24 | -67108864                   |                |        |
| FiltHwTrqPtr_HwNm_T_f32                 | tgt_FiltHwTrqPtr_HwNm_T_f32 |                |        |
| HandWheelPos_HwDeg_T_f32                | -222.854004                 |                |        |
| HwTorque_HwNm_T_f32                     | -2.5                        |                |        |
| PrevEOTGain_Uls_T_f32                   | 0.43999998                  |                |        |
| k_EOTStateHwTrqLPFKn_Cnt_u16            | 30573                       |                |        |
| t_TrqTableX_HwNm_u8p8[0]                | 0                           |                |        |
| t_TrqTableX_HwNm_u8p8[1]                | 512                         |                |        |
| t_TrqTblY_Uls_u2p14[0]                  | 328                         |                |        |
| t_TrqTblY_Uls_u2p14[1]                  | 246                         |                |        |
| Name                                    | Actual Value                | Expected Value | Result |
| EOTActuatorMng_FiltHWTrqSV_HwNm_M_s7p24 | -16235392                   | -16235392 ± 1  | ~      |
| SES_CalcExitGain()                      | 0.43999998                  | 0.439999998    | ~      |
| tgt_FiltHwTrqPtr_HwNm_T_f32             | -0.96875                    | -0.96875       | ~      |

| T                           |       |                             |       | V      |
|-----------------------------|-------|-----------------------------|-------|--------|
| Actual Function             | Count | Expected Function           | Count | Result |
| IntplVarXY_u16_u16Xu16Y_Cnt | 1     | IntplVarXY_u16_u16Xu16Y_Cnt | 1     | ~      |

| Test Step 2.21 (Repeat Count = 1)       |                             |                | ✓        |
|---|-----------------------------|----------------|----------|
| Name                                    | Input Value                 |                |          |
| EOTActuatorMng_FiltHWTrqSV_HwNm_M_s7p24 | 83886080                    |                |          |
| FiltHwTrqPtr_HwNm_T_f32                 | tgt_FiltHwTrqPtr_HwNm_T_f32 |                |          |
| HandWheelPos_HwDeg_T_f32                | 333.354004                  |                |          |
| HwTorque_HwNm_T_f32                     | 3.5                         |                |          |
| PrevEOTGain_Uls_T_f32                   | 0.550000012                 |                |          |
| k_EOTStateHwTrqLPFKn_Cnt_u16            | 20583                       |                |          |
| t_TrqTableX_HwNm_u8p8[0]                | 256                         |                |          |
| t_TrqTableX_HwNm_u8p8[1]                | 2304                        |                |          |
| t_TrqTbIY_UIs_u2p14[0]                  | 344                         |                |          |
| t_TrqTbIY_UIs_u2p14[1]                  | 262                         |                |          |
| Name                                    | Actual Value                | Expected Value | Result   |
| EOTActuatorMng_FiltHWTrqSV_HwNm_M_s7p24 | 75982208                    | 75982208 ± 1   | ~        |
| SES_CalcExitGain()                      | 0.550000012                 | 0.550000012    | <b>✓</b> |
| tgt FiltHwTrgPtr HwNm T f32             | 4.52734375                  | 4.52734375     | <b>✓</b> |

| T                           |       |                             |       | <b>✓</b> |
|-----------------------------|-------|-----------------------------|-------|----------|
| Actual Function             | Count | Expected Function           | Count | Result   |
| IntplVarXY_u16_u16Xu16Y_Cnt | 1     | IntplVarXY_u16_u16Xu16Y_Cnt | 1     | _        |

| Name                                    | Input Value                 |                |        |
|---|-----------------------------|----------------|--------|
| EOTActuatorMng_FiltHWTrqSV_HwNm_M_s7p24 | -83886080                   |                |        |
| FiltHwTrqPtr_HwNm_T_f32                 | tgt_FiltHwTrqPtr_HwNm_T_f32 |                |        |
| HandWheelPos_HwDeg_T_f32                | -333.156006                 |                |        |
| HwTorque_HwNm_T_f32                     | -3.5                        |                |        |
| PrevEOTGain_Uls_T_f32                   | 0.660000026                 |                |        |
| k_EOTStateHwTrqLPFKn_Cnt_u16            | 100                         |                |        |
| t_TrqTableX_HwNm_u8p8[0]                | 0                           |                |        |
| t_TrqTableX_HwNm_u8p8[1]                | 0                           |                |        |
| t_TrqTblY_Uls_u2p14[0]                  | 360                         |                |        |
| t_TrqTblY_Uls_u2p14[1]                  | 279                         |                |        |
| Name                                    | Actual Value                | Expected Value | Result |
| EOTActuatorMng_FiltHWTrqSV_HwNm_M_s7p24 | -83668480                   | -83668480 ± 1  | •      |
| SES_CalcExitGain()                      | 0.660000026                 | 0.660000026    | •      |
| tgt_FiltHwTrqPtr_HwNm_T_f32             | -4.98828125                 | -4.98828125    | •      |

| T .                         |       |                             |       |        |
|-----------------------------|-------|-----------------------------|-------|--------|
| Actual Function             | Count | Expected Function           | Count | Result |
| IntplVarXY_u16_u16Xu16Y_Cnt | 1     | IntplVarXY_u16_u16Xu16Y_Cnt | 1     | ~      |





| Test Step 2.23 (Repeat Count = 1)       |                             |                | <b>✓</b> |
|---|-----------------------------|----------------|----------|
| Name                                    | Input Value                 |                |          |
| EOTActuatorMng_FiltHWTrqSV_HwNm_M_s7p24 | 100663296                   |                |          |
| FiltHwTrqPtr_HwNm_T_f32                 | tgt_FiltHwTrqPtr_HwNm_T_f32 |                |          |
| HandWheelPos_HwDeg_T_f32                | 444.854004                  |                |          |
| HwTorque_HwNm_T_f32                     | 4.5                         |                |          |
| PrevEOTGain_Uls_T_f32                   | 0.769999981                 |                |          |
| k_EOTStateHwTrqLPFKn_Cnt_u16            | 200                         |                |          |
| t_TrqTableX_HwNm_u8p8[0]                | 2560                        |                |          |
| t_TrqTableX_HwNm_u8p8[1]                | 2560                        |                |          |
| t_TrqTbIY_Uls_u2p14[0]                  | 377                         |                |          |
| t_TrqTblY_Uls_u2p14[1]                  | 295                         |                |          |
| Name                                    | Actual Value                | Expected Value | Result   |
| EOTActuatorMng_FiltHWTrqSV_HwNm_M_s7p24 | 100586496                   | 100586496 ± 1  | ~        |
| SES_CalcExitGain()                      | 0.769999981                 | 0.769999981    | ✓        |
| tgt_FiltHwTrqPtr_HwNm_T_f32             | 5.9921875                   | 5.9921875      | ~        |

| T                           |       |                             |       | V      |
|-----------------------------|-------|-----------------------------|-------|--------|
| Actual Function             | Count | Expected Function           | Count | Result |
| IntplVarXY_u16_u16Xu16Y_Cnt | 1     | IntplVarXY_u16_u16Xu16Y_Cnt | 1     | ~      |

| Test Step 2.24 (Repeat Count = 1)       |                             |             | <b>✓</b> |
|---|-----------------------------|-------------|----------|
| Name                                    | Input Value                 |             |          |
| EOTActuatorMng_FiltHWTrqSV_HwNm_M_s7p24 | -100663296                  |             |          |
| FiltHwTrqPtr_HwNm_T_f32                 | tgt_FiltHwTrqPtr_HwNm_T_f32 |             |          |
| HandWheelPos_HwDeg_T_f32                | -555.953979                 |             |          |
| HwTorque_HwNm_T_f32                     | -5.5                        |             |          |
| PrevEOTGain_UIs_T_f32                   | 0.879999995                 |             |          |
| k_EOTStateHwTrqLPFKn_Cnt_u16            | 300                         |             |          |
| t_TrqTableX_HwNm_u8p8[0]                | 0                           |             |          |
| t_TrqTableX_HwNm_u8p8[1]                | 256                         |             |          |
| t_TrqTblY_Uls_u2p14[0]                  | 393                         |             |          |
| t_TrqTblY_Uls_u2p14[1]                  | 311                         |             |          |
| Name                                    | Actual Value Exp            | ected Value | Result   |
| EOTActuatorMng_FiltHWTrqSV_HwNm_M_s7p24 | -99780096 -997              | '80096 ± 1  | ~        |
| SES_CalcExitGain()                      | 0.879999995 0.879           | 9999995     | ~        |
| tgt FiltHwTrqPtr HwNm T f32             | -5.94921875 -5.94           | 4921875     | ~        |

| T                           |       |                             |       | V      |
|-----------------------------|-------|-----------------------------|-------|--------|
| Actual Function             | Count | Expected Function           | Count | Result |
| IntplVarXY_u16_u16Xu16Y_Cnt | 1     | IntplVarXY_u16_u16Xu16Y_Cnt | 1     | ~      |

| Name                                    | Input Value                 |                |        |
|---|-----------------------------|----------------|--------|
| EOTActuatorMng_FiltHWTrqSV_HwNm_M_s7p24 | 33554432                    |                |        |
| FiltHwTrqPtr_HwNm_T_f32                 | tgt_FiltHwTrqPtr_HwNm_T_f32 |                |        |
| HandWheelPos_HwDeg_T_f32                | 600.356995                  |                |        |
| HwTorque_HwNm_T_f32                     | 2.0999999                   |                |        |
| PrevEOTGain_Uls_T_f32                   | 0.709999979                 |                |        |
| k_EOTStateHwTrqLPFKn_Cnt_u16            | 310                         |                |        |
| t_TrqTableX_HwNm_u8p8[0]                | 256                         |                |        |
| t_TrqTableX_HwNm_u8p8[1]                | 512                         |                |        |
| t_TrqTblY_Uls_u2p14[0]                  | 0                           |                |        |
| t_TrqTblY_Uls_u2p14[1]                  | 0                           |                |        |
| Name                                    | Actual Value                | Expected Value | Result |
| EOTActuatorMng_FiltHWTrqSV_HwNm_M_s7p24 | 33562182                    | 33562182 ± 1   | •      |
| SES_CalcExitGain()                      | 0.709999979                 | 0.709999979    | •      |
| tgt FiltHwTrqPtr HwNm T f32             | 2                           | 2              | •      |

| T .                         |       |                             |       |        |
|-----------------------------|-------|-----------------------------|-------|--------|
| Actual Function             | Count | Expected Function           | Count | Result |
| IntplVarXY_u16_u16Xu16Y_Cnt | 1     | IntplVarXY_u16_u16Xu16Y_Cnt | 1     | ~      |



SES\_CalcExitGain

| Test Step 2.26 (Repeat Count = 1)       |                             | . ✓             |
|---|-----------------------------|-----------------|
| Name                                    | Input Value                 |                 |
| EOTActuatorMng_FiltHWTrqSV_HwNm_M_s7p24 | 83886080                    |                 |
| FiltHwTrqPtr_HwNm_T_f32                 | tgt_FiltHwTrqPtr_HwNm_T_f32 |                 |
| HandWheelPos_HwDeg_T_f32                | 650.156006                  |                 |
| HwTorque_HwNm_T_f32                     | 3.20000005                  |                 |
| PrevEOTGain_Uls_T_f32                   | 0.610000014                 |                 |
| k_EOTStateHwTrqLPFKn_Cnt_u16            | 410                         |                 |
| t_TrqTableX_HwNm_u8p8[0]                | 1024                        |                 |
| t_TrqTableX_HwNm_u8p8[1]                | 1280                        |                 |
| t_TrqTblY_Uls_u2p14[0]                  | 16384                       |                 |
| t_TrqTblY_Uls_u2p14[1]                  | 16384                       |                 |
| Name                                    | Actual Value Expecto        | ed Value Result |
| EOTActuatorMng_FiltHWTrqSV_HwNm_M_s7p24 | 83697070 8369707            | '0 ± 1          |
| SES_CalcExitGain()                      | 1 1                         | <b>✓</b>        |
| tgt_FiltHwTrqPtr_HwNm_T_f32             | 4.98828125 4.98828          | 125             |

| T                           |       |                             |       | V      |
|-----------------------------|-------|-----------------------------|-------|--------|
| Actual Function             | Count | Expected Function           | Count | Result |
| IntplVarXY_u16_u16Xu16Y_Cnt | 1     | IntplVarXY_u16_u16Xu16Y_Cnt | 1     | ~      |

| Test Step 2.27 (Repeat Count = 1)       |                             |                | ✓      |
|---|-----------------------------|----------------|--------|
| Name                                    | Input Value                 |                |        |
| EOTActuatorMng_FiltHWTrqSV_HwNm_M_s7p24 | -50331648                   |                |        |
| FiltHwTrqPtr_HwNm_T_f32                 | tgt_FiltHwTrqPtr_HwNm_T_f32 |                |        |
| HandWheelPos_HwDeg_T_f32                | 700.354004                  |                |        |
| HwTorque_HwNm_T_f32                     | 4.4000001                   |                |        |
| PrevEOTGain_UIs_T_f32                   | 0.50999999                  |                |        |
| k_EOTStateHwTrqLPFKn_Cnt_u16            | 520                         |                |        |
| t_TrqTableX_HwNm_u8p8[0]                | 768                         |                |        |
| t_TrqTableX_HwNm_u8p8[1]                | 1536                        |                |        |
| t_TrqTblY_Uls_u2p14[0]                  | 16                          |                |        |
| t_TrqTblY_Uls_u2p14[1]                  | 33                          |                |        |
| Name                                    | Actual Value                | Expected Value | Result |
| EOTActuatorMng_FiltHWTrqSV_HwNm_M_s7p24 | -49346768                   | -49346768 ± 1  | ~      |
| SES_CalcExitGain()                      | 0.50999999                  | 0.50999999     | ~      |
| tgt FiltHwTrqPtr HwNm T f32             | -2.94140625                 | -2.94140625    | ✓      |

| T                           |       |                             |       | V      |
|-----------------------------|-------|-----------------------------|-------|--------|
| Actual Function             | Count | Expected Function           | Count | Result |
| IntplVarXY_u16_u16Xu16Y_Cnt | 1     | IntplVarXY_u16_u16Xu16Y_Cnt | 1     | ~      |

| Name                                    | Input Value                 |                |        |
|---|-----------------------------|----------------|--------|
| EOTActuatorMng FiltHWTrqSV HwNm M s7p24 | -167772160                  |                |        |
| FiltHwTrqPtr_HwNm_T_f32                 | tgt_FiltHwTrqPtr_HwNm_T_f32 | 2              |        |
| HandWheelPos_HwDeg_T_f32                | -1440.10999                 |                |        |
| HwTorque_HwNm_T_f32                     | -10                         |                |        |
| PrevEOTGain_Uls_T_f32                   | 0                           |                |        |
| k_EOTStateHwTrqLPFKn_Cnt_u16            | 82                          |                |        |
| t_TrqTableX_HwNm_u8p8[0]                | 0                           |                |        |
| t_TrqTableX_HwNm_u8p8[1]                | 0                           |                |        |
| t_TrqTbIY_Uls_u2p14[0]                  | 0                           |                |        |
| t_TrqTbIY_Uls_u2p14[1]                  | 0                           |                |        |
| Name                                    | Actual Value                | Expected Value | Result |
| EOTActuatorMng_FiltHWTrqSV_HwNm_M_s7p24 | -167352320                  | -167352320 ± 1 | •      |
| SES_CalcExitGain()                      | 0                           | 0              | •      |
| tgt FiltHwTrgPtr HwNm T f32             | -9.9765625                  | -9.9765625     | •      |

| T                           |       |                             |       | <b>✓</b> |
|-----------------------------|-------|-----------------------------|-------|----------|
| Actual Function             | Count | Expected Function           | Count | Result   |
| IntplVarXY_u16_u16Xu16Y_Cnt | 1     | IntplVarXY_u16_u16Xu16Y_Cnt | 1     | ~        |





| Test Step 2.29 (Repeat Count = 1)       |                             |                | <b>✓</b> |
|---|-----------------------------|----------------|----------|
| Name                                    | Input Value                 |                |          |
| EOTActuatorMng_FiltHWTrqSV_HwNm_M_s7p24 | 167772160                   |                |          |
| FiltHwTrqPtr_HwNm_T_f32                 | tgt_FiltHwTrqPtr_HwNm_T_f32 |                |          |
| HandWheelPos_HwDeg_T_f32                | 1440.10999                  |                |          |
| HwTorque_HwNm_T_f32                     | 10                          |                |          |
| PrevEOTGain_UIs_T_f32                   | 1                           |                |          |
| k_EOTStateHwTrqLPFKn_Cnt_u16            | 30573                       |                |          |
| t_TrqTableX_HwNm_u8p8[0]                | 2560                        |                |          |
| t_TrqTableX_HwNm_u8p8[1]                | 2560                        |                |          |
| t_TrqTblY_Uls_u2p14[0]                  | 16384                       |                |          |
| t_TrqTblY_Uls_u2p14[1]                  | 16384                       |                |          |
| Name                                    | Actual Value                | Expected Value | Result   |
| EOTActuatorMng_FiltHWTrqSV_HwNm_M_s7p24 | 167772160                   | 167772160 ± 1  | ~        |
| SES_CalcExitGain()                      | 1                           | 1              | <b>✓</b> |
| tgt_FiltHwTrqPtr_HwNm_T_f32             | 10                          | 10             | <b>✓</b> |

| T                           |       |                             |       | V      |
|-----------------------------|-------|-----------------------------|-------|--------|
| Actual Function             | Count | Expected Function           | Count | Result |
| IntplVarXY_u16_u16Xu16Y_Cnt | 1     | IntplVarXY_u16_u16Xu16Y_Cnt | 1     | ~      |

## Test Case 3: Path Test

Specification

Performance Metrics (With "None" Instrumentation and WithPS Environment)
CPU Cycles:

TS3.1 94 cycles TS3.2 94 cycles TS3.3 163 cycles

Description

Vector Description

 $\label{thm:continuity:equation:continuity:eq$ 

| Test Step 3.1 (Repeat Count = 1)        |                             |                | <b>~</b> |
|---|-----------------------------|----------------|----------|
| Name                                    | Input Value                 |                |          |
| EOTActuatorMng_FiltHWTrqSV_HwNm_M_s7p24 | -25165824                   |                |          |
| FiltHwTrqPtr_HwNm_T_f32                 | tgt_FiltHwTrqPtr_HwNm_T_f32 |                |          |
| HandWheelPos_HwDeg_T_f32                | -150                        |                |          |
| HwTorque_HwNm_T_f32                     | 1                           |                |          |
| PrevEOTGain_Uls_T_f32                   | 0.10000001                  |                |          |
| k_EOTStateHwTrqLPFKn_Cnt_u16            | 20583                       |                |          |
| t_TrqTableX_HwNm_u8p8[0]                | 768                         |                |          |
| t_TrqTableX_HwNm_u8p8[1]                | 1792                        |                |          |
| t_TrqTblY_Uls_u2p14[0]                  | 0                           |                |          |
| t_TrqTbIY_Uls_u2p14[1]                  | 16384                       |                |          |
| Name                                    | Actual Value                | Expected Value | Result   |
| EOTActuatorMng_FiltHWTrqSV_HwNm_M_s7p24 | -22531200                   | -22531200 ± 1  | ~        |
| SES_CalcExitGain()                      | 0.10000001                  | 0.10000001     | ✓        |
| tgt_FiltHwTrqPtr_HwNm_T_f32             | -1.34375                    | -1.34375       | <b>✓</b> |

| T                           |       |                             |       | <b>✓</b> |
|-----------------------------|-------|-----------------------------|-------|----------|
| Actual Function             | Count | Expected Function           | Count | Result   |
| IntplVarXY_u16_u16Xu16Y_Cnt | 1     | IntplVarXY_u16_u16Xu16Y_Cnt | 1     | ~        |

| Test Step 3.2 (Repeat Count = 1)        |                             |  |
|---|-----------------------------|--|
| Name                                    | Input Value                 |  |
| EOTActuatorMng_FiltHWTrqSV_HwNm_M_s7p24 | 25165824                    |  |
| FiltHwTrqPtr_HwNm_T_f32                 | tgt_FiltHwTrqPtr_HwNm_T_f32 |  |
| HandWheelPos_HwDeg_T_f32                | 150                         |  |
| HwTorque_HwNm_T_f32                     | -1                          |  |
| PrevEOTGain_Uls_T_f32                   | 0.200000003                 |  |
| k_EOTStateHwTrqLPFKn_Cnt_u16            | 20583                       |  |
| t_TrqTableX_HwNm_u8p8[0]                | 768                         |  |
| t_TrqTableX_HwNm_u8p8[1]                | 1792                        |  |
| t TrqTbIY Uls u2p14[0]                  | 0                           |  |

2015-06-29, 18:43:14+0530





| Name                                    | Input Value  |                |          |
|---|--------------|----------------|----------|
| t_TrqTblY_Uls_u2p14[1]                  | 16384        |                |          |
| Name                                    | Actual Value | Expected Value | Result   |
| EOTActuatorMng_FiltHWTrqSV_HwNm_M_s7p24 | 11992704     | 11992704 ± 1   | <b>✓</b> |
| SES_CalcExitGain()                      | 0.20000003   | 0.20000003     | <b>✓</b> |
| tgt_FiltHwTrqPtr_HwNm_T_f32             | 0.7109375    | 0.7109375      | <b>~</b> |

| T                           |       |                             |       | V      |
|-----------------------------|-------|-----------------------------|-------|--------|
| Actual Function             | Count | Expected Function           | Count | Result |
| IntplVarXY_u16_u16Xu16Y_Cnt | 1     | IntplVarXY_u16_u16Xu16Y_Cnt | 1     | ~      |

| Test Step 3.3 (Repeat Count = 1)        |                             |                | ✓        |
|---|-----------------------------|----------------|----------|
| Name                                    | Input Value                 |                |          |
| EOTActuatorMng_FiltHWTrqSV_HwNm_M_s7p24 | -83886080                   |                |          |
| FiltHwTrqPtr_HwNm_T_f32                 | tgt_FiltHwTrqPtr_HwNm_T_f32 | 2              |          |
| HandWheelPos_HwDeg_T_f32                | -700.841003                 |                |          |
| HwTorque_HwNm_T_f32                     | -3.35400009                 |                |          |
| PrevEOTGain_UIs_T_f32                   | 0                           |                |          |
| k_EOTStateHwTrqLPFKn_Cnt_u16            | 1111                        |                |          |
| t_TrqTableX_HwNm_u8p8[0]                | 256                         |                |          |
| t_TrqTableX_HwNm_u8p8[1]                | 1280                        |                |          |
| t_TrqTblY_Uls_u2p14[0]                  | 180                         |                |          |
| t_TrqTblY_Uls_u2p14[1]                  | 98                          |                |          |
| Name                                    | Actual Value                | Expected Value | Result   |
| EOTActuatorMng_FiltHWTrqSV_HwNm_M_s7p24 | -81510762                   | -81510762 ± 1  | <b>✓</b> |
| SES_CalcExitGain()                      | 0.00805664063               | 0.00805664063  | ✓        |
| tgt_FiltHwTrqPtr_HwNm_T_f32             | -4.859375                   | -4.859375      | ✓        |

| T                           |       |                             |       |        |
|-----------------------------|-------|-----------------------------|-------|--------|
| Actual Function             | Count | Expected Function           | Count | Result |
| IntplVarXY_u16_u16Xu16Y_Cnt | 1     | IntplVarXY_u16_u16Xu16Y_Cnt | 1     | ~      |

2015-06-29, 18:46:42+0530



SES\_FiltEOTGain

 Project
 EOTActuatorMng

 Module
 EOTActuatorMng

 Test Object
 SES\_FiltEOTGain

## Instrumentation: Test Object Only

| Statement (C0) Coverage | 100 % |
|-------------------------|-------|
| Decision Coverage       | 100 % |
| Branch (C1) Coverage    | 100 % |
| MC/DC Coverage          | 100 % |

### **Statistics**

| Total Testcases | 3 |
|-----------------|---|
| Successful      | 3 |
| Failed          | 0 |
| Not Executed    | 0 |

### **Module Properties**

| Project Root Directory | D:\Synergy_Work_Area\CBD_EOTActuatorMng\EOTActuatorMng   |
|------------------------|--|
| Configuration File     | D:\Synergy_Work_Area\CBD_EOTActuatorMng\EOTActuatorMng\UnitTestEnv\config<br>\TMS570_GCC_UDE_CCS4_Config.xml   |
| Target Environment     | TI TMS 570 PLS UDE (Default)   |
| Kind of Test           | Unit Test  |
| Linker Options         |  |
| Source File(s)         |  |
| File                   | \$(PROJECTROOT)\NxtrLib\src\interpolation.c  |
| Compiler Options       | -D_DATA_ACCESS= -Dconst= -I\$(PROJECTROOT)\NxtrLib\include -I\$(PROJECTROOT)\StdDef\include -I\$(PROJECTROOT)\utp\contract \Ap_EOTActuatorMng -I\$(PROJECTROOT)\utp\contract -I\$(Compiler Install Path)\include |
| File                   | \$(PROJECTROOT)\src\Ap_EOTActuatorMng.c  |
| Compiler Options       | -D_DATA_ACCESS= -Dconst= -I\$(PROJECTROOT)\NxtrLib\include -I\$(PROJECTROOT)\StdDef\include -I\$(PROJECTROOT)\utp\contract \Ap_EOTActuatorMng -I\$(PROJECTROOT)\utp\contract -I\$(Compiler Install Path)\include |

| Comments/Description/Specification |  |  |  |  |
|------------------------------------|--|--|--|--|
| Name                               | Text   |  |  |  |
| Module 'EOTActuatorMng'            | /** // Name of Tester:Priti Manglekar Code File(s) Under Test:Ap_EOTActuatorMng.c Code File(s) Version:19 Module Design Document:End_of_Travel_Actuator_Management_MDD.docx Module Design Document Version:25 Data Dictionary Version:21 Unit Test Plan Version:11 Optimization Level:Level 2 Compiler (CodeGen) Version:TMS470_4.9.5 Model Type:Excel Macro Model Version:Nexteer EPS Unit Test Tool 2.7d/EPS Library 1.32 Total FLASH Used (Bytes):2914 Total RAM Used (Bytes):2914 Total RAM Used (Bytes):170 Special Test Requirements: Test Date:6/29/2015 Comments:"NOTE 1: Inline functions defined in GlobalMacro.h are not unittested. NOTE 2: ""CBD_Sandbox.dbg.map" is embedded for reference." |  |  |  |

| Attributes            |  |
|-----------------------|--|
| Name                  | Value  |
| Compiler Install Path | \$(ProgramFiles)\Texas Instruments\ccsv4\tools\compiler\tms470_4.9.5   |
| Float Precision       | 9  |
| InitObjDir            | <pre>\$(PROJECTROOT)\UnitTestEnv\static_build_files\obj</pre>          |
| InitSrcDir            | \$(PROJECTROOT)\UnitTestEnv\static_build_files\src                     |
| Linker File           | <pre>\$(PROJECTROOT)\UnitTestEnv\static_build_files\sys_link.cmd</pre> |
| Makefile Template     | \$(PROJECTROOT)\UnitTestEnv\config\Nexteer_ts_make_ude_ti_tms570.tpl   |
| Target Install Path   | \$(ProgramFiles)\pls\UDE 3.2   |
| Time Unit             | Cycles   |
| Timer Enabled         | false  |

2015-06-29, 18:46:42+0530

SES\_FiltEOTGain



| Attributes       |  |
|------------------|--|
| Name             | Value  |
| Timer Prescale   | 0  |
| Timer Resolution | 1  |
| UDE Config File  | \$(PROJECTROOT)\UnitTestEnv\config\TMS570_UDE_12PIN_JTAG.cfg                                   |
| Workspace File   | D:\Synergy_Work_Area\CBD_EOTActuatorMng\EOTActuatorMng\UnitTestEnv\config\UDE_TMS570_DEBUG.WSP |

Description



#### Test Case 1: Metrics Test

Performance Metrics (With "None" Instrumentation and WithPS Environment)
CPU Cycles: Specification

TS1.1 30 cycles TS1.2 30 cycles Vector Description

TS1.1"Shortest Execution Path: SESState\_Uls\_M\_enum = SES\_DISABLED" TS1.2"Longest Execution Path: SESState\_Uls\_M\_enum = Else"

| Test Step 1.1 (Repeat Count = 1)          |              |                | <b>✓</b> |
|---|--------------|----------------|----------|
| Name                                      | Input Value  |                |          |
| EOTActuatorMng_FiltEOTGainSV_HwNm_M_u1p31 | 214748365    |                |          |
| EOTActuatorMng_SESState_Uls_M_enum        | SES_DISABLED |                |          |
| EOTGain_Uls_T_f32                         | 0.69999988   |                |          |
| k_EOTEnterLPFKn_Cnt_u16                   | 20583        |                |          |
| k_EOTExitLPFKn_Cnt_u16                    | 3991         |                |          |
| Name                                      | Actual Value | Expected Value | Result   |
| EOTActuatorMng_FiltEOTGainSV_HwNm_M_u1p31 | 293215416    | 293215416 ± 1  | <b>✓</b> |
| SES_FiltEOTGain()                         | 0.136535645  | 0.136535645    | ~        |

| Test Step 1.2 (Repeat Count = 1)          |              |                | ✓      |
|---|--------------|----------------|--------|
| Name                                      | Input Value  |                |        |
| EOTActuatorMng_FiltEOTGainSV_HwNm_M_u1p31 | 644245094    |                |        |
| EOTActuatorMng_SESState_Uls_M_enum        | SES_NORMAL   |                |        |
| EOTGain_Uls_T_f32                         | 0.40000006   |                |        |
| k_EOTEnterLPFKn_Cnt_u16                   | 20583        |                |        |
| k_EOTExitLPFKn_Cnt_u16                    | 3991         |                |        |
| Name                                      | Actual Value | Expected Value | Result |
| EOTActuatorMng_FiltEOTGainSV_HwNm_M_u1p31 | 711695585    | 711695585 ± 1  | ~      |
| SES_FiltEOTGain()                         | 0.331390381  | 0.331390381    | •      |





#### **Test Case 2: Boundary Test**

Specification

Performance Metrics (With "None" Instrumentation and WithPS Environment)
CPU Cycles:

TS2.1 30 cycles
TS2.2 30 cycles
TS2.3 30 cycles
TS2.4 30 cycles
TS2.5 30 cycles
TS2.5 30 cycles
TS2.6 30 cycles
TS2.7 30 cycles
TS2.9 30 cycles
TS2.10 30 cycles
TS2.11 30 cycles
TS2.12 30 cycles
TS2.12 30 cycles
TS2.13 30 cycles
TS2.14 30 cycles
TS2.15 30 cycles
TS2.16 30 cycles
TS2.17 30 cycles
TS2.17 30 cycles
TS2.18 30 cycles

#### Description Vector Description

TS2.1EOTGain\_UIs\_T\_f32 min
TS2.2EOTGain\_UIs\_T\_f32 max
TS2.3EOTGain\_UIs\_T\_f32 pos
TS2.4SESState\_UIs\_M\_enum min
TS2.5SESState\_UIs\_M\_enum =1
TS2.6SESState\_UIs\_M\_enum =2
TS2.7SESState\_UIs\_M\_enum =2
TS2.7SESState\_UIs\_M\_enum max
TS2.8FiltEOTGainSV\_HwNm\_M\_u1p31 min
TS2.9FiltEOTGainSV\_HwNm\_M\_u1p31 pos
TS2.10FiltEOTGainSV\_HwNm\_M\_u1p31 pos
TS2.11k\_EOTExitLPFKn\_Cnt\_u16 min
TS2.12k\_EOTExitLPFKn\_Cnt\_u16 mid/default
TS2.13k\_EOTExitLPFKn\_Cnt\_u16 mid/default
TS2.14k\_EOTEnterLPFKn\_Cnt\_u16 mid/default
TS2.15k\_EOTEnterLPFKn\_Cnt\_u16 mid/default
TS2.16k\_EOTEnterLPFKn\_Cnt\_u16 mid/default
TS2.16k\_EOTEnterLPFKn\_Cnt\_u16 mid/default
TS2.17All min
TS2.18All max TS2.18All max

| Test Step 2.1 (Repeat Count = 1)          |              |                |          |
|---|--------------|----------------|----------|
| Name                                      | Input Value  |                |          |
| EOTActuatorMng_FiltEOTGainSV_HwNm_M_u1p31 | 429496730    |                |          |
| EOTActuatorMng_SESState_Uls_M_enum        | SES_ENTERING |                |          |
| EOTGain_Uls_T_f32                         | 0            |                |          |
| k_EOTEnterLPFKn_Cnt_u16                   | 6544         |                |          |
| k_EOTExitLPFKn_Cnt_u16                    | 111          |                |          |
| Name                                      | Actual Value | Expected Value | Result   |
| EOTActuatorMng_FiltEOTGainSV_HwNm_M_u1p31 | 386613898    | 386613898 ± 1  | ~        |
| SES_FiltEOTGain()                         | 0.180023193  | 0.180023193    | <b>✓</b> |

| Test Step 2.2 (Repeat Count = 1)          |              |                | V        |
|---|--------------|----------------|----------|
| Name                                      | Input Value  |                |          |
| EOTActuatorMng FiltEOTGainSV HwNm M u1p31 | 214748365    |                |          |
| EOTActuatorMng_SESState_Uls_M_enum        | SES_NORMAL   |                |          |
| EOTGain_Uls_T_f32                         | 1            |                |          |
| k_EOTEnterLPFKn_Cnt_u16                   | 3643         |                |          |
| k_EOTExitLPFKn_Cnt_u16                    | 222          |                |          |
| Name                                      | Actual Value | Expected Value | Result   |
| EOTActuatorMng_FiltEOTGainSV_HwNm_M_u1p31 | 322187721    | 322187721 ± 1  | <b>✓</b> |
| SES FiltEOTGain()                         | 0.150024414  | 0.150024414    | <b>✓</b> |

| Test Step 2.3 (Repeat Count = 1)          |              |                | <b>✓</b> |
|---|--------------|----------------|----------|
| Name                                      | Input Value  |                |          |
| EOTActuatorMng_FiltEOTGainSV_HwNm_M_u1p31 | 644245094    |                |          |
| EOTActuatorMng_SESState_Uls_M_enum        | SES_ENTERING |                |          |
| EOTGain_Uls_T_f32                         | 0.20000003   |                |          |
| k_EOTEnterLPFKn_Cnt_u16                   | 854          |                |          |
| k_EOTExitLPFKn_Cnt_u16                    | 333          |                |          |
| Name                                      | Actual Value | Expected Value | Result   |
| EOTActuatorMng_FiltEOTGainSV_HwNm_M_u1p31 | 641446536    | 641446536 ± 1  | ~        |
| SES_FiltEOTGain()                         | 0.298675537  | 0.298675537    | ~        |





| Test Step 2.4 (Repeat Count = 1)          |              |                | <b>✓</b> |
|---|--------------|----------------|----------|
| Name                                      | Input Value  |                |          |
| EOTActuatorMng_FiltEOTGainSV_HwNm_M_u1p31 | 1717986918   |                |          |
| EOTActuatorMng_SESState_Uls_M_enum        | SES_DISABLED |                |          |
| EOTGain_Uls_T_f32                         | 0.100000001  |                |          |
| k_EOTEnterLPFKn_Cnt_u16                   | 799          |                |          |
| k_EOTExitLPFKn_Cnt_u16                    | 444          |                |          |
| Name                                      | Actual Value | Expected Value | Result   |
| EOTActuatorMng_FiltEOTGainSV_HwNm_M_u1p31 | 1626441360   | 1626441360 ± 1 | <b>✓</b> |
| SES_FiltEOTGain()                         | 0.757354736  | 0.757354736    | ✓        |

| Test Step 2.5 (Repeat Count = 1)          |              |                | <b>✓</b> |
|---|--------------|----------------|----------|
| Name                                      | Input Value  |                |          |
| EOTActuatorMng_FiltEOTGainSV_HwNm_M_u1p31 | 1717986918   |                |          |
| EOTActuatorMng_SESState_Uls_M_enum        | SES_NORMAL   |                |          |
| EOTGain_Uls_T_f32                         | 0.10000001   |                |          |
| k_EOTEnterLPFKn_Cnt_u16                   | 799          |                |          |
| k_EOTExitLPFKn_Cnt_u16                    | 444          |                |          |
| Name                                      | Actual Value | Expected Value | Result   |
| EOTActuatorMng_FiltEOTGainSV_HwNm_M_u1p31 | 1699659456   | 1699659455 ± 1 | ✓        |
| SES_FiltEOTGain()                         | 0.791442871  | 0.791442871    | ✓        |

| Test Step 2.6 (Repeat Count = 1)          |              |                | ✓      |
|---|--------------|----------------|--------|
| Name                                      | Input Value  |                |        |
| EOTActuatorMng_FiltEOTGainSV_HwNm_M_u1p31 | 1503238554   |                |        |
| EOTActuatorMng_SESState_Uls_M_enum        | SES_ENTERING |                |        |
| EOTGain_Uls_T_f32                         | 0.20000003   |                |        |
| k_EOTEnterLPFKn_Cnt_u16                   | 600          |                |        |
| k_EOTExitLPFKn_Cnt_u16                    | 555          |                |        |
| Name                                      | Actual Value | Expected Value | Result |
| EOTActuatorMng_FiltEOTGainSV_HwNm_M_u1p31 | 1493408154   | 1493408154 ± 1 | ~      |
| SES_FiltEOTGain()                         | 0.695404053  | 0.695404053    | ✓      |

| Test Step 2.7 (Repeat Count = 1)          |              |                | ✓        |
|---|--------------|----------------|----------|
| Name                                      | Input Value  |                |          |
| EOTActuatorMng_FiltEOTGainSV_HwNm_M_u1p31 | 1503238554   |                |          |
| EOTActuatorMng_SESState_Uls_M_enum        | SES_EXITING  |                |          |
| EOTGain_Uls_T_f32                         | 0.20000003   |                |          |
| k_EOTEnterLPFKn_Cnt_u16                   | 600          |                |          |
| k_EOTExitLPFKn_Cnt_u16                    | 555          |                |          |
| Name                                      | Actual Value | Expected Value | Result   |
| EOTActuatorMng_FiltEOTGainSV_HwNm_M_u1p31 | 1494145434   | 1494145434 ± 1 | ~        |
| SES_FiltEOTGain()                         | 0.695739746  | 0.695739746    | <b>✓</b> |

| Test Step 2.8 (Repeat Count = 1)          |               |                | <b>✓</b> |
|---|---------------|----------------|----------|
| Name                                      | Input Value   |                |          |
| EOTActuatorMng_FiltEOTGainSV_HwNm_M_u1p31 | 0             |                |          |
| EOTActuatorMng_SESState_Uls_M_enum        | SES_NORMAL    |                |          |
| EOTGain_Uls_T_f32                         | 0.30000012    |                |          |
| k_EOTEnterLPFKn_Cnt_u16                   | 500           |                |          |
| k_EOTExitLPFKn_Cnt_u16                    | 666           |                |          |
| Name                                      | Actual Value  | Expected Value | Result   |
| EOTActuatorMng_FiltEOTGainSV_HwNm_M_u1p31 | 4915000       | 4915000 ± 1    | <b>✓</b> |
| SES_FiltEOTGain()                         | 0.00225830078 | 0.00225830101  | <b>✓</b> |

| Test Step 2.9 (Repeat Count = 1)          | <b>✓</b>     |
|---|--------------|
| Name                                      | Input Value  |
| EOTActuatorMng_FiltEOTGainSV_HwNm_M_u1p31 | 2147483648   |
| EOTActuatorMng_SESState_Uls_M_enum        | SES_ENTERING |
| EOTGain_Uls_T_f32                         | 0.40000006   |

2015-06-29, 18:46:42+0530



SES\_FiltEOTGain

| Name                                      | Input Value  |                |          |
|---|--------------|----------------|----------|
| k_EOTEnterLPFKn_Cnt_u16                   | 486          |                |          |
| k_EOTExitLPFKn_Cnt_u16                    | 777          |                |          |
| Name                                      | Actual Value | Expected Value | Result   |
| EOTActuatorMng_FiltEOTGainSV_HwNm_M_u1p31 | 2137928402   | 2137928402 ± 1 | ~        |
| SES FiltEOTGain()                         | 0.995544434  | 0.995544434    | <b>✓</b> |

| Test Step 2.10 (Repeat Count = 1)         |              |                | ✓        |
|---|--------------|----------------|----------|
| Name                                      | Input Value  |                |          |
| EOTActuatorMng_FiltEOTGainSV_HwNm_M_u1p31 | 429496730    |                |          |
| EOTActuatorMng_SESState_Uls_M_enum        | SES_NORMAL   |                |          |
| EOTGain_Uls_T_f32                         | 0.600000024  |                |          |
| k_EOTEnterLPFKn_Cnt_u16                   | 400          |                |          |
| k_EOTExitLPFKn_Cnt_u16                    | 888          |                |          |
| Name                                      | Actual Value | Expected Value | Result   |
| EOTActuatorMng_FiltEOTGainSV_HwNm_M_u1p31 | 434739530    | 434739530 ± 1  | <b>✓</b> |
| SES_FiltEOTGain()                         | 0.202423096  | 0.202423096    | ✓        |

| Test Step 2.11 (Repeat Count = 1)         |              |                | <b>✓</b> |
|---|--------------|----------------|----------|
| Name                                      | Input Value  |                |          |
| EOTActuatorMng_FiltEOTGainSV_HwNm_M_u1p31 | 858993459    |                |          |
| EOTActuatorMng_SESState_Uls_M_enum        | SES_EXITING  |                |          |
| EOTGain_Uls_T_f32                         | 0.69999988   |                |          |
| k_EOTEnterLPFKn_Cnt_u16                   | 300          |                |          |
| k_EOTExitLPFKn_Cnt_u16                    | 82           |                |          |
| Name                                      | Actual Value | Expected Value | Result   |
| EOTActuatorMng_FiltEOTGainSV_HwNm_M_u1p31 | 859799519    | 859799519 ± 1  | <b>✓</b> |
| SES_FiltEOTGain()                         | 0.400360107  | 0.400360107    | ✓        |

| Test Step 2.12 (Repeat Count = 1)         |              |                | ✓      |
|---|--------------|----------------|--------|
| Name                                      | Input Value  |                |        |
| EOTActuatorMng_FiltEOTGainSV_HwNm_M_u1p31 | 1073741824   |                |        |
| EOTActuatorMng_SESState_Uls_M_enum        | SES_EXITING  |                |        |
| EOTGain_Uls_T_f32                         | 0.800000012  |                |        |
| k_EOTEnterLPFKn_Cnt_u16                   | 200          |                |        |
| k_EOTExitLPFKn_Cnt_u16                    | 30573        |                |        |
| Name                                      | Actual Value | Expected Value | Result |
| EOTActuatorMng_FiltEOTGainSV_HwNm_M_u1p31 | 1374274414   | 1374274414 ± 1 | ~      |
| SES_FiltEOTGain()                         | 0.639923096  | 0.639923096    | •      |

| Test Step 2.13 (Repeat Count = 1)         |              |                | <b>✓</b> |
|---|--------------|----------------|----------|
| Name                                      | Input Value  |                |          |
| EOTActuatorMng_FiltEOTGainSV_HwNm_M_u1p31 | 1288490189   |                |          |
| EOTActuatorMng_SESState_Uls_M_enum        | SES_EXITING  |                |          |
| EOTGain_Uls_T_f32                         | 0.89999976   |                |          |
| k_EOTEnterLPFKn_Cnt_u16                   | 100          |                |          |
| k_EOTExitLPFKn_Cnt_u16                    | 3991         |                |          |
| Name                                      | Actual Value | Expected Value | Result   |
| EOTActuatorMng_FiltEOTGainSV_HwNm_M_u1p31 | 1327725710   | 1327725710 ± 1 | ~        |
| SES_FiltEOTGain()                         | 0.618255615  | 0.618255615    | ~        |

| Test Step 2.14 (Repeat Count = 1)         |              |                | ✓        |
|---|--------------|----------------|----------|
| Name                                      | Input Value  |                |          |
| EOTActuatorMng_FiltEOTGainSV_HwNm_M_u1p31 | 536870912    |                |          |
| EOTActuatorMng_SESState_Uls_M_enum        | SES_NORMAL   |                |          |
| EOTGain_Uls_T_f32                         | 0.150000006  |                |          |
| k_EOTEnterLPFKn_Cnt_u16                   | 82           |                |          |
| k_EOTExitLPFKn_Cnt_u16                    | 999          |                |          |
| Name                                      | Actual Value | Expected Value | Result   |
| EOTActuatorMng_FiltEOTGainSV_HwNm_M_u1p31 | 536602198    | 536602198 ± 1  | ~        |
| SES_FiltEOTGain()                         | 0.249847412  | 0.249847412    | <b>✓</b> |



| Test Step 2.15 (Repeat Count = 1)         |              |                | ✓        |
|---|--------------|----------------|----------|
| Name                                      | Input Value  |                |          |
| EOTActuatorMng_FiltEOTGainSV_HwNm_M_u1p31 | 1022202216   |                |          |
| EOTActuatorMng_SESState_Uls_M_enum        | SES_ENTERING |                |          |
| EOTGain_Uls_T_f32                         | 0.25         |                |          |
| k_EOTEnterLPFKn_Cnt_u16                   | 30573        |                |          |
| k_EOTExitLPFKn_Cnt_u16                    | 1000         |                |          |
| Name                                      | Actual Value | Expected Value | Result   |
| EOTActuatorMng_FiltEOTGainSV_HwNm_M_u1p31 | 795809151    | 795809151 ± 1  | <b>✓</b> |
| SES_FiltEOTGain()                         | 0.370574951  | 0.370574951    | <b>✓</b> |

| Test Step 2.16 (Repeat Count = 1)         |              |                | <b>✓</b> |
|---|--------------|----------------|----------|
| Name                                      | Input Value  |                |          |
| EOTActuatorMng_FiltEOTGainSV_HwNm_M_u1p31 | 923417969    |                |          |
| EOTActuatorMng_SESState_Uls_M_enum        | SES_NORMAL   |                |          |
| EOTGain_Uls_T_f32                         | 0.34999994   |                |          |
| k_EOTEnterLPFKn_Cnt_u16                   | 20583        |                |          |
| k_EOTExitLPFKn_Cnt_u16                    | 6565         |                |          |
| Name                                      | Actual Value | Expected Value | Result   |
| EOTActuatorMng_FiltEOTGainSV_HwNm_M_u1p31 | 869449343    | 869449343 ± 1  | <b>✓</b> |
| SES_FiltEOTGain()                         | 0.404846191  | 0.404846191    | ✓        |

| Test Step 2.17 (Repeat Count = 1)         |              |                | ✓        |
|---|--------------|----------------|----------|
| Name                                      | Input Value  |                |          |
| EOTActuatorMng_FiltEOTGainSV_HwNm_M_u1p31 | 0            |                |          |
| EOTActuatorMng_SESState_Uls_M_enum        | SES_DISABLED |                |          |
| EOTGain_Uls_T_f32                         | 0            |                |          |
| k_EOTEnterLPFKn_Cnt_u16                   | 82           |                |          |
| k_EOTExitLPFKn_Cnt_u16                    | 82           |                |          |
| Name                                      | Actual Value | Expected Value | Result   |
| EOTActuatorMng_FiltEOTGainSV_HwNm_M_u1p31 | 0            | 0 ± 1          | ~        |
| SES_FiltEOTGain()                         | 0            | 0              | <b>~</b> |

| Test Step 2.18 (Repeat Count = 1)         |              |                | ✓        |
|---|--------------|----------------|----------|
| Name                                      | Input Value  |                |          |
| EOTActuatorMng_FiltEOTGainSV_HwNm_M_u1p31 | 2147483648   |                |          |
| EOTActuatorMng_SESState_Uls_M_enum        | SES_EXITING  |                |          |
| EOTGain_Uls_T_f32                         | 1            |                |          |
| k_EOTEnterLPFKn_Cnt_u16                   | 30573        |                |          |
| k_EOTExitLPFKn_Cnt_u16                    | 30573        |                |          |
| Name                                      | Actual Value | Expected Value | Result   |
| EOTActuatorMng_FiltEOTGainSV_HwNm_M_u1p31 | 2147483648   | 2147483648 ± 1 | ~        |
| SES_FiltEOTGain()                         | 1            | 1              | <b>✓</b> |

## Test Case 3: Path Test

Performance Metrics (With "None" Instrumentation and WithPS Environment)
CPU Cycles: Specification

TS3.1 30 cycles TS3.2 30 cycles TS3.3 30 cycles

Description Vector Description

TS3.1SESState\_UIs\_M\_enum = SES\_DISABLED TS3.2SESState\_UIs\_M\_enum = SES\_EXITING TS3.3SESState\_UIs\_M\_enum = Else

| Test Step 3.1 (Repeat Count = 1)          | ✓           |
|---|-------------|
| Name                                      | Input Value |
| EOTActuatorMng_FiltEOTGainSV_HwNm_M_u1p31 | 214748365   |
|   |             |

#### **TEST DETAILS REPORT** 2015-06-29, 18:46:42+0530 Razorcat SES\_FiltEOTGain Input Value EOTActuatorMng\_SESState\_Uls\_M\_enum SES\_DISABLED EOTGain\_Uls\_T\_f32 0.699999988 k\_EOTEnterLPFKn\_Cnt\_u16 20583 k\_EOTExitLPFKn\_Cnt\_u16 3991 Name **Actual Value Expected Value** Result

293215416

0.136535645

293215416 ± 1

0.136535645

| Test Step 3.2 (Repeat Count = 1)          |              |                | ✓      |
|---|--------------|----------------|--------|
| Name                                      | Input Value  |                |        |
| EOTActuatorMng_FiltEOTGainSV_HwNm_M_u1p31 | 429496730    |                |        |
| EOTActuatorMng_SESState_Uls_M_enum        | SES_EXITING  |                |        |
| EOTGain_Uls_T_f32                         | 0.800000012  |                |        |
| k_EOTEnterLPFKn_Cnt_u16                   | 20583        |                |        |
| k_EOTExitLPFKn_Cnt_u16                    | 3991         |                |        |
| Name                                      | Actual Value | Expected Value | Result |
| EOTActuatorMng_FiltEOTGainSV_HwNm_M_u1p31 | 507963781    | 507963781 ± 1  | ✓      |
| SES_FiltEOTGain()                         | .236511=     | Result         |        |

EOTActuatorMng\_FiltEOTGainSV\_HwNm\_M\_u1p31

SES\_FiltEOTGain()