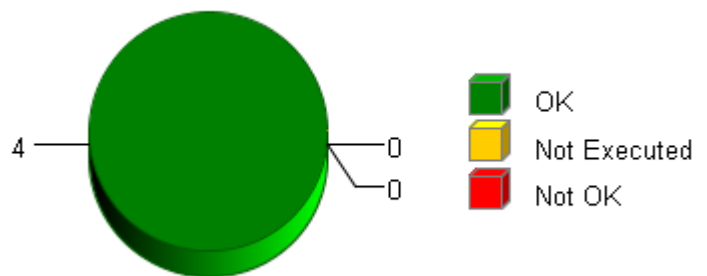


## Summary

**Total Test Objects:** 4  
**Successful:** 4  
**Failed:** 0  
**Not Executed:** 0  
**Date:** 2016-07-18  
**Time:** 16:11:25+0530

## Overall Test Object Results (including Coverage)



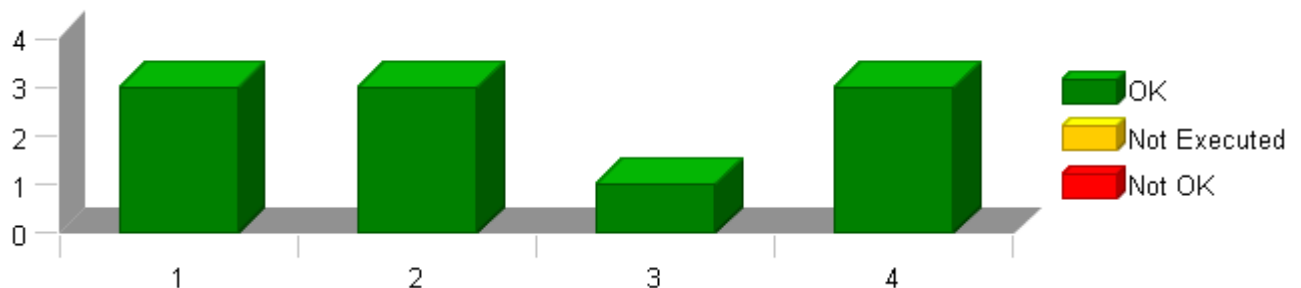
## Selected Project Items

Test Object "CBD\_UnitTest/GMStrtStop/PreviousStCalc"  
 Test Object "CBD\_UnitTest/GMStrtStop/SlewRateCalc"  
 Test Object "CBD\_UnitTest/GMStrtStop/StrtStop\_Init1"  
 Test Object "CBD\_UnitTest/GMStrtStop/StrtStop\_Per1"

## Used Test Environments

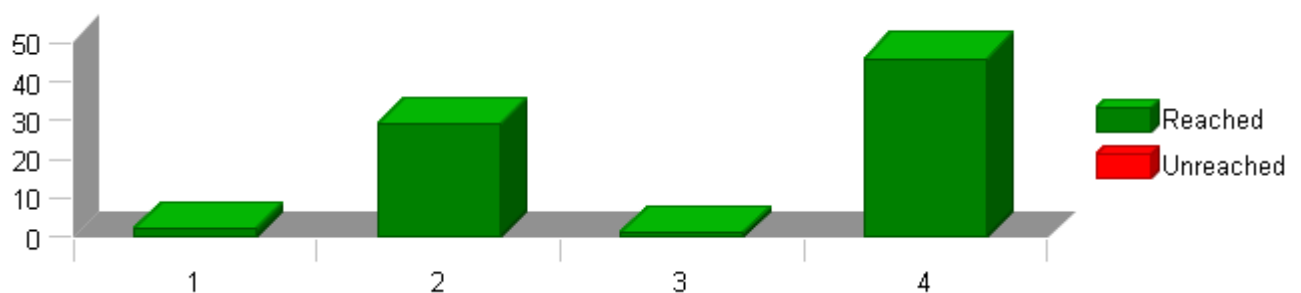
TI TMS 570 PLS UDE (Default)

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



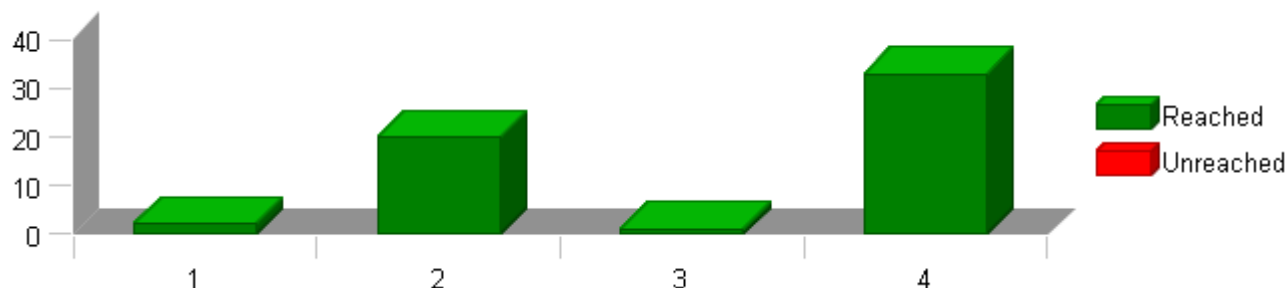
The table above shows each test object on the x axis and the number of test cases of the respective test object on the y axis. Each bar is divided into passed, not executed and failed test cases. The test case results do not take into account any coverage result (i.e. if all test cases of a test object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



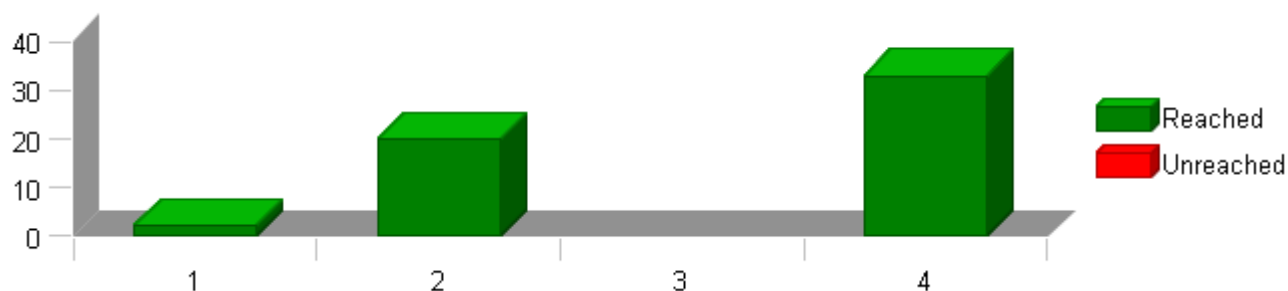
The table above shows each test object on the x axis and the number of statements of the respective test object on the y axis. Each bar is divided into reached statements (i.e. statements that have been executed during the test) and unreached statements.

### 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.

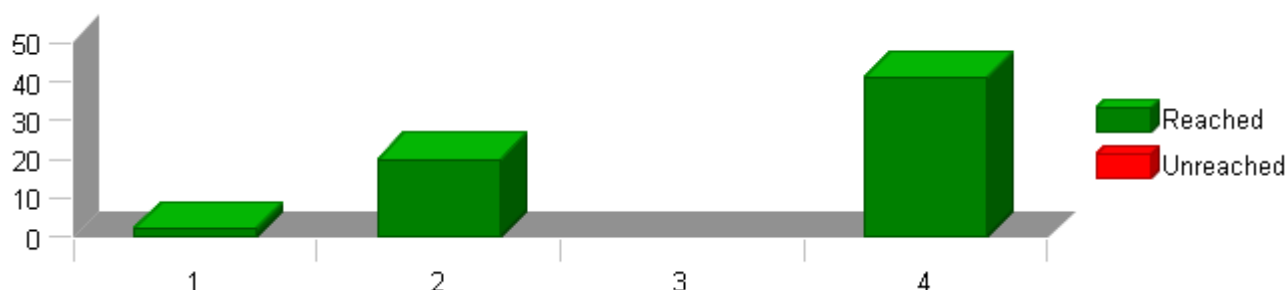
### Decision Coverage: Total Decision Outcomes for Each Test Object



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.

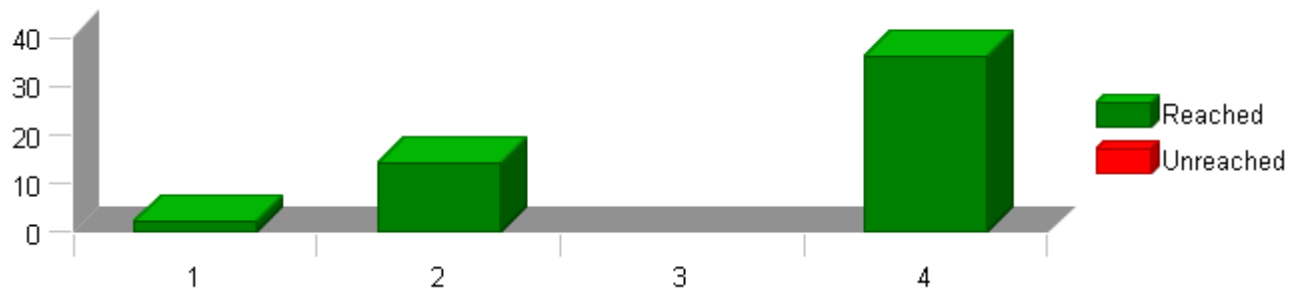
### MC/DC Coverage: Total Condition Combinations for Each Test Object



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 OVERVIEW REPORT

2016-07-18, 16:11:25+0530

Project GMStrtStop2



### 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
	GMStrtStop2	100 %	100 %	100 %	100 %	100 %	10 of 10 passed	✓
	CBD_UnitTest	100 %	100 %	100 %	100 %	100 %	10 of 10 passed	✓
	GMStrtStop	100 %	100 %	100 %	100 %	100 %	10 of 10 passed	✓
1	<a href="#">PreviousStCalc</a>	100 %	100 %	100 %	100 %	100 %	3 of 3 passed	✓
2	<a href="#">SlewRateCalc</a>	100 %	100 %	100 %	100 %	100 %	3 of 3 passed	✓
3	<a href="#">StrtStop_Init1</a>	100 %	100 %	-	-	-	1 of 1 passed	✓
4	<a href="#">StrtStop_Per1</a>	100 %	100 %	100 %	100 %	100 %	3 of 3 passed	✓

# TEST DETAILS REPORT

2016-07-18, 16:09:20+0530

SlewRateCalc



Project	GMStrtStop2
Module	GMStrtStop
Test Object	SlewRateCalc

## 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\GMStrtStop
Configuration File	D:\Synergy_Work_Area\GMStrtStop\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)\GMStrtStop\src\Ap_GMStrtStop.c
Compiler Options	-D_DATA_ACCESS=-Dconst= -I\$(PROJECTROOT)\GMStrtStop\utp\contract\Ap_GMStrtStop -I\$(PROJECTROOT)\GMStrtStop\utp\contract -I\$(PROJECTROOT)\NxtLib\include -I\$(PROJECTROOT)\StdDef\include -I\$(Compiler Install Path)\include

## Comments/Description/Specification

Name	Text
Module 'GMStrtStop'	***** UNIT TEST DESCRIPTION*****  Name of Tester: Imran Desai Code File(s) Under Test:Ap_GMStrtStop.c Code File(s) Version: 3 Module Design Document:GMStrtStop_MDD.docx Module Design Document Version:5 Data Dictionary Version: 5 Unit Test Plan Version:1 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):1046 Total RAM Used (Bytes):20 Total CALS Used (Bytes):85 Special Test Requirements: Test Date:7/15/2016 Comments: NOTE1: Inline Function defined in Globalmacro.h is not unit tested.  NOTE2: "CBD_Sandbox_dbg.map" map file is embedded for the reference.  *****

## 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	\$(PROJECTROOT)\UnitTestEnv\static_build_files\sys_link.cmd
Makefile Template	\$(PROJECTROOT)\UnitTestEnv\config\Nexteer_ts_make_ude_ti_tms570.tpl
Target Install Path	\$(ProgramFiles)\pls\UDE 4.4
Time Unit	Cycles
Timer Enabled	false

# TEST DETAILS REPORT

2016-07-18, 16:09:20+0530

SlewRateCalc



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\GMStrtStop\UnitTestEnv\config\UDE_TMS570_DEBUG.WSP

# TEST DETAILS REPORT

SlewRateCalc

2016-07-18, 16:09:20+0530



## Test Case 1: Metrics Test

<b>Specification</b>	Performance Metrics: (With "None" Instrumentation and "WithPS" Environment) CPU Cycles:  TS1.1 72.00 Cycles TS1.2 86.00 Cycles
<b>Description</b>	Vector Description  TS1.1"Shortest Execution Path: switch (StrtStop_StOpModePrev_Cnt_M_enum) Case default :" TS1.2"Longest Execution Path: switch (StrtStop_StOpModePrev_Cnt_M_enum) case SS_Intermediate1 : (StrtStop_StOpMode_Cnt_M_enum == SS_Normal)=false (StrtStop_StOpMode_Cnt_M_enum == SS_Stop)=false"

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

Name	Input Value		
StrtStop_StOpModePrev_Cnt_M_enum	5		
StrtStop_StOpMode_Cnt_M_enum	5		
k_FltRspRampDnRt_UlspS_f32	500		
k_Mode1AssistSlew_UlspS_f32	500		
k_Mode2AssistSlew_UlspS_f32	500		
k_NormalModeAssistSlew_UlspS_f32	500		
k_StopMode1AssistSlew_UlspS_f32	500		
k_StopMode2AssistSlew_UlspS_f32	500		
Name	Actual Value	Expected Value	Result
SlewRateCalc()	1	1	✓

### Test Step 1.2 (Repeat Count = 1)

Name	Input Value		
StrtStop_StOpModePrev_Cnt_M_enum	1		
StrtStop_StOpMode_Cnt_M_enum	1		
k_FltRspRampDnRt_UlspS_f32	52.9211998		
k_Mode1AssistSlew_UlspS_f32	22.9657001		
k_Mode2AssistSlew_UlspS_f32	47.9003983		
k_NormalModeAssistSlew_UlspS_f32	189.892303		
k_StopMode1AssistSlew_UlspS_f32	490.520111		
k_StopMode2AssistSlew_UlspS_f32	433.145294		
Name	Actual Value	Expected Value	Result
SlewRateCalc()	52.9211998	52.9211998	✓

# TEST DETAILS REPORT

2016-07-18, 16:09:20+0530

SlewRateCalc



## Test Case 2: Range Test

### Specification

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

TS2.1 99.00 Cycles  
TS2.2 72.00 Cycles  
TS2.3 97.00 Cycles  
TS2.4 91.00 Cycles  
TS2.5 87.00 Cycles  
TS2.6 118.00 Cycles  
TS2.7 85.00 Cycles  
TS2.8 77.00 Cycles  
TS2.9 80.00 Cycles  
TS2.10 91.00 Cycles  
TS2.11 116.00 Cycles  
TS2.12 118.00 Cycles  
TS2.13 91.00 Cycles  
TS2.14 82.00 Cycles  
TS2.15 99.00 Cycles  
TS2.16 99.00 Cycles  
TS2.17 78.00 Cycles  
TS2.18 88.00 Cycles  
TS2.19 131.00 Cycles  
TS2.20 112.00 Cycles  
TS2.21 108.00 Cycles  
TS2.22 98.00 Cycles  
TS2.23 98.00 Cycles  
TS2.24 99.00 Cycles  
TS2.25 81.00 Cycles  
TS2.26 96.00 Cycles  
TS2.27 82.00 Cycles  
TS2.28 82.00 Cycles  
TS2.29 82.00 Cycles  
TS2.30 76.00 Cycles  
TS2.31 76.00 Cycles  
TS2.32 76.00 Cycles

### Description

Vector Description

TS2.1All Min  
TS2.2All Max  
TS2.3StrtStop\_StOpModePrev\_Cnt\_M\_enum==>SS\_Normal  
TS2.4StrtStop\_StOpModePrev\_Cnt\_M\_enum==>SS\_Intermediate1  
TS2.5StrtStop\_StOpModePrev\_Cnt\_M\_enum==>SS\_Stop  
TS2.6StrtStop\_StOpModePrev\_Cnt\_M\_enum==>SS\_Intermediate2  
TS2.7StrtStop\_StOpModePrev\_Cnt\_M\_enum==>SS\_Fault  
TS2.8StrtStop\_StOpModePrev\_Cnt\_M\_enum==>SS\_Disable  
TS2.9StrtStop\_StOpMode\_Cnt\_M\_enum==>SS\_Normal  
TS2.10StrtStop\_StOpMode\_Cnt\_M\_enum==>SS\_Intermediate1  
TS2.11StrtStop\_StOpMode\_Cnt\_M\_enum==>SS\_Stop  
TS2.12StrtStop\_StOpMode\_Cnt\_M\_enum==>SS\_Intermediate2  
TS2.13StrtStop\_StOpMode\_Cnt\_M\_enum==>SS\_Fault  
TS2.14StrtStop\_StOpMode\_Cnt\_M\_enum==>SS\_Disable  
TS2.15k\_Mode1AssistSlew\_UlspS\_f32==>Min  
TS2.16k\_Mode1AssistSlew\_UlspS\_f32==>Max  
TS2.17k\_Mode1AssistSlew\_UlspS\_f32==>Pos / Default  
TS2.18k\_NormalModeAssistSlew\_UlspS\_f32==>Min  
TS2.19k\_NormalModeAssistSlew\_UlspS\_f32==>Max  
TS2.20k\_NormalModeAssistSlew\_UlspS\_f32==>Pos / Default  
TS2.21k\_StopMode1AssistSlew\_UlspS\_f32==>Min  
TS2.22k\_StopMode1AssistSlew\_UlspS\_f32==>Max  
TS2.23k\_StopMode1AssistSlew\_UlspS\_f32==>Pos / Default  
TS2.24k\_FltRspRampDnRt\_UlspS\_f32==>Min  
TS2.25k\_FltRspRampDnRt\_UlspS\_f32==>Max  
TS2.26k\_FltRspRampDnRt\_UlspS\_f32==>Pos / Default  
TS2.27k\_Mode2AssistSlew\_UlspS\_f32==>Min  
TS2.28k\_Mode2AssistSlew\_UlspS\_f32==>Max  
TS2.29k\_Mode2AssistSlew\_UlspS\_f32==>Pos / Default  
TS2.30k\_StopMode2AssistSlew\_UlspS\_f32==>Min  
TS2.31k\_StopMode2AssistSlew\_UlspS\_f32==>Max  
TS2.32k\_StopMode2AssistSlew\_UlspS\_f32==>Pos / Default

## Test Step 2.1 (Repeat Count = 1)

Name	Input Value		
StrtStop_StOpModePrev_Cnt_M_enum	0		
StrtStop_StOpMode_Cnt_M_enum	0		
k_FltRspRampDnRt_UlspS_f32	0.100000001		
k_Mode1AssistSlew_UlspS_f32	0.100000001		
k_Mode2AssistSlew_UlspS_f32	0.100000001		
k_NormalModeAssistSlew_UlspS_f32	0.100000001		
k_StopMode1AssistSlew_UlspS_f32	0.100000001		
k_StopMode2AssistSlew_UlspS_f32	0.100000001		
Name	Actual Value	Expected Value	Result
SlewRateCalc()	0.100000001	0.100000001	✔

## Test Step 2.2 (Repeat Count = 1)

Name	Input Value
StrtStop_StOpModePrev_Cnt_M_enum	5



# TEST DETAILS REPORT

2016-07-18, 16:09:20+0530



SlewRateCalc

Name	Input Value		
StrtStop_StOpMode_Cnt_M_enum	5		
k_FltRspRampDnRt_UlspS_f32	500		
k_Mode1AssistSlew_UlspS_f32	500		
k_Mode2AssistSlew_UlspS_f32	500		
k_NormalModeAssistSlew_UlspS_f32	500		
k_StopMode1AssistSlew_UlspS_f32	500		
k_StopMode2AssistSlew_UlspS_f32	500		
Name	Actual Value	Expected Value	Result
SlewRateCalc()	1	1	✓

Test Step 2.3 (Repeat Count = 1)			
Name	Input Value		
StrtStop_StOpModePrev_Cnt_M_enum	0		
StrtStop_StOpMode_Cnt_M_enum	2		
k_FltRspRampDnRt_UlspS_f32	37.1431999		
k_Mode1AssistSlew_UlspS_f32	142.596207		
k_Mode2AssistSlew_UlspS_f32	165.264694		
k_NormalModeAssistSlew_UlspS_f32	393.412811		
k_StopMode1AssistSlew_UlspS_f32	122.241997		
k_StopMode2AssistSlew_UlspS_f32	103.293999		
Name	Actual Value	Expected Value	Result
SlewRateCalc()	37.1431999	37.1431999	✓

Test Step 2.4 (Repeat Count = 1)			
Name	Input Value		
StrtStop_StOpModePrev_Cnt_M_enum	1		
StrtStop_StOpMode_Cnt_M_enum	1		
k_FltRspRampDnRt_UlspS_f32	52.9211998		
k_Mode1AssistSlew_UlspS_f32	22.9657001		
k_Mode2AssistSlew_UlspS_f32	47.9003983		
k_NormalModeAssistSlew_UlspS_f32	189.892303		
k_StopMode1AssistSlew_UlspS_f32	490.520111		
k_StopMode2AssistSlew_UlspS_f32	433.145294		
Name	Actual Value	Expected Value	Result
SlewRateCalc()	52.9211998	52.9211998	✓

Test Step 2.5 (Repeat Count = 1)			
Name	Input Value		
StrtStop_StOpModePrev_Cnt_M_enum	2		
StrtStop_StOpMode_Cnt_M_enum	3		
k_FltRspRampDnRt_UlspS_f32	166.245697		
k_Mode1AssistSlew_UlspS_f32	148.252594		
k_Mode2AssistSlew_UlspS_f32	295.5271		
k_NormalModeAssistSlew_UlspS_f32	145.193207		
k_StopMode1AssistSlew_UlspS_f32	30.6128998		
k_StopMode2AssistSlew_UlspS_f32	294.944092		
Name	Actual Value	Expected Value	Result
SlewRateCalc()	295.5271	295.5271	✓

Test Step 2.6 (Repeat Count = 1)			
Name	Input Value		
StrtStop_StOpModePrev_Cnt_M_enum	3		
StrtStop_StOpMode_Cnt_M_enum	1		
k_FltRspRampDnRt_UlspS_f32	64.3404007		
k_Mode1AssistSlew_UlspS_f32	191.449203		
k_Mode2AssistSlew_UlspS_f32	85.1895981		
k_NormalModeAssistSlew_UlspS_f32	460.615997		
k_StopMode1AssistSlew_UlspS_f32	195.597		
k_StopMode2AssistSlew_UlspS_f32	378.233612		
Name	Actual Value	Expected Value	Result
SlewRateCalc()	64.3404007	64.3404007	✓

# TEST DETAILS REPORT

2016-07-18, 16:09:20+0530

SlewRateCalc



## Test Step 2.7 (Repeat Count = 1)

Name	Input Value		
StrtStop_StOpModePrev_Cnt_M_enum	4		
StrtStop_StOpMode_Cnt_M_enum	2		
k_FltRspRampDnRt_UlspS_f32	0.220799997		
k_Mode1AssistSlew_UlspS_f32	150.856094		
k_Mode2AssistSlew_UlspS_f32	464.743103		
k_NormalModeAssistSlew_UlspS_f32	316.539795		
k_StopMode1AssistSlew_UlspS_f32	182.926193		
k_StopMode2AssistSlew_UlspS_f32	464.876587		
Name	Actual Value	Expected Value	Result
SlewRateCalc()	0.220799997	0.220799997	✓

## Test Step 2.8 (Repeat Count = 1)

Name	Input Value		
StrtStop_StOpModePrev_Cnt_M_enum	5		
StrtStop_StOpMode_Cnt_M_enum	3		
k_FltRspRampDnRt_UlspS_f32	166.245697		
k_Mode1AssistSlew_UlspS_f32	148.252594		
k_Mode2AssistSlew_UlspS_f32	295.5271		
k_NormalModeAssistSlew_UlspS_f32	145.193207		
k_StopMode1AssistSlew_UlspS_f32	30.6128998		
k_StopMode2AssistSlew_UlspS_f32	294.944092		
Name	Actual Value	Expected Value	Result
SlewRateCalc()	1	1	✓

## Test Step 2.9 (Repeat Count = 1)

Name	Input Value		
StrtStop_StOpModePrev_Cnt_M_enum	0		
StrtStop_StOpMode_Cnt_M_enum	0		
k_FltRspRampDnRt_UlspS_f32	64.3404007		
k_Mode1AssistSlew_UlspS_f32	191.449203		
k_Mode2AssistSlew_UlspS_f32	85.1895981		
k_NormalModeAssistSlew_UlspS_f32	460.615997		
k_StopMode1AssistSlew_UlspS_f32	195.597		
k_StopMode2AssistSlew_UlspS_f32	378.233612		
Name	Actual Value	Expected Value	Result
SlewRateCalc()	64.3404007	64.3404007	✓

## Test Step 2.10 (Repeat Count = 1)

Name	Input Value		
StrtStop_StOpModePrev_Cnt_M_enum	1		
StrtStop_StOpMode_Cnt_M_enum	1		
k_FltRspRampDnRt_UlspS_f32	0.220799997		
k_Mode1AssistSlew_UlspS_f32	150.856094		
k_Mode2AssistSlew_UlspS_f32	464.743103		
k_NormalModeAssistSlew_UlspS_f32	316.539795		
k_StopMode1AssistSlew_UlspS_f32	182.926193		
k_StopMode2AssistSlew_UlspS_f32	464.876587		
Name	Actual Value	Expected Value	Result
SlewRateCalc()	0.220799997	0.220799997	✓

## Test Step 2.11 (Repeat Count = 1)

Name	Input Value		
StrtStop_StOpModePrev_Cnt_M_enum	2		
StrtStop_StOpMode_Cnt_M_enum	2		
k_FltRspRampDnRt_UlspS_f32	268.980103		
k_Mode1AssistSlew_UlspS_f32	475.239288		
k_Mode2AssistSlew_UlspS_f32	49.1530991		
k_NormalModeAssistSlew_UlspS_f32	314.485901		
k_StopMode1AssistSlew_UlspS_f32	245.488297		

# TEST DETAILS REPORT

2016-07-18, 16:09:20+0530



SlewRateCalc

Name	Input Value		
k_StopMode2AssistSlew_UlspS_f32	165.906403		
Name	Actual Value	Expected Value	Result
SlewRateCalc()	268.980103	268.980103	✓

## Test Step 2.12 (Repeat Count = 1) ✓

Name	Input Value		
StrtStop_StOpModePrev_Cnt_M_enum	3		
StrtStop_StOpMode_Cnt_M_enum	3		
k_FltRspRampDnRt_UlspS_f32	64.3404007		
k_Mode1AssistSlew_UlspS_f32	191.449203		
k_Mode2AssistSlew_UlspS_f32	85.1895981		
k_NormalModeAssistSlew_UlspS_f32	460.615997		
k_StopMode1AssistSlew_UlspS_f32	195.597		
k_StopMode2AssistSlew_UlspS_f32	378.233612		
Name	Actual Value	Expected Value	Result
SlewRateCalc()	64.3404007	64.3404007	✓

## Test Step 2.13 (Repeat Count = 1) ✓

Name	Input Value		
StrtStop_StOpModePrev_Cnt_M_enum	1		
StrtStop_StOpMode_Cnt_M_enum	4		
k_FltRspRampDnRt_UlspS_f32	0.220799997		
k_Mode1AssistSlew_UlspS_f32	150.856094		
k_Mode2AssistSlew_UlspS_f32	464.743103		
k_NormalModeAssistSlew_UlspS_f32	316.539795		
k_StopMode1AssistSlew_UlspS_f32	182.926193		
k_StopMode2AssistSlew_UlspS_f32	464.876587		
Name	Actual Value	Expected Value	Result
SlewRateCalc()	0.220799997	0.220799997	✓

## Test Step 2.14 (Repeat Count = 1) ✓

Name	Input Value		
StrtStop_StOpModePrev_Cnt_M_enum	0		
StrtStop_StOpMode_Cnt_M_enum	5		
k_FltRspRampDnRt_UlspS_f32	268.980103		
k_Mode1AssistSlew_UlspS_f32	475.239288		
k_Mode2AssistSlew_UlspS_f32	49.1530991		
k_NormalModeAssistSlew_UlspS_f32	314.485901		
k_StopMode1AssistSlew_UlspS_f32	245.488297		
k_StopMode2AssistSlew_UlspS_f32	165.906403		
Name	Actual Value	Expected Value	Result
SlewRateCalc()	268.980103	268.980103	✓

## Test Step 2.15 (Repeat Count = 1) ✓

Name	Input Value		
StrtStop_StOpModePrev_Cnt_M_enum	0		
StrtStop_StOpMode_Cnt_M_enum	1		
k_FltRspRampDnRt_UlspS_f32	329.218811		
k_Mode1AssistSlew_UlspS_f32	0.100000001		
k_Mode2AssistSlew_UlspS_f32	222.430695		
k_NormalModeAssistSlew_UlspS_f32	214.713806		
k_StopMode1AssistSlew_UlspS_f32	78.0716019		
k_StopMode2AssistSlew_UlspS_f32	272.059204		
Name	Actual Value	Expected Value	Result
SlewRateCalc()	0.100000001	0.100000001	✓

## Test Step 2.16 (Repeat Count = 1) ✓

Name	Input Value		
StrtStop_StOpModePrev_Cnt_M_enum	0		
StrtStop_StOpMode_Cnt_M_enum	1		

# TEST DETAILS REPORT

2016-07-18, 16:09:20+0530



SlewRateCalc

Name	Input Value		
k_FltRspRampDnRt_UlspS_f32	272.596588		
k_Mode1AssistSlew_UlspS_f32	500		
k_Mode2AssistSlew_UlspS_f32	136.819107		
k_NormalModeAssistSlew_UlspS_f32	49.1750984		
k_StopMode1AssistSlew_UlspS_f32	237.756607		
k_StopMode2AssistSlew_UlspS_f32	40.5182991		
Name	Actual Value	Expected Value	Result
SlewRateCalc()	500	500	✓

## Test Step 2.17 (Repeat Count = 1) ✓

Name	Input Value		
StrtStop_StOpModePrev_Cnt_M_enum	0		
StrtStop_StOpMode_Cnt_M_enum	1		
k_FltRspRampDnRt_UlspS_f32	414.550598		
k_Mode1AssistSlew_UlspS_f32	1.5		
k_Mode2AssistSlew_UlspS_f32	437.158691		
k_NormalModeAssistSlew_UlspS_f32	281.125		
k_StopMode1AssistSlew_UlspS_f32	128.965393		
k_StopMode2AssistSlew_UlspS_f32	317.856903		
Name	Actual Value	Expected Value	Result
SlewRateCalc()	1.5	1.5	✓

## Test Step 2.18 (Repeat Count = 1) ✓

Name	Input Value		
StrtStop_StOpModePrev_Cnt_M_enum	1		
StrtStop_StOpMode_Cnt_M_enum	0		
k_FltRspRampDnRt_UlspS_f32	41.1204987		
k_Mode1AssistSlew_UlspS_f32	80.4652023		
k_Mode2AssistSlew_UlspS_f32	376.119507		
k_NormalModeAssistSlew_UlspS_f32	0.100000001		
k_StopMode1AssistSlew_UlspS_f32	315.041809		
k_StopMode2AssistSlew_UlspS_f32	205.487396		
Name	Actual Value	Expected Value	Result
SlewRateCalc()	0.100000001	0.100000001	✓

## Test Step 2.19 (Repeat Count = 1) ✓

Name	Input Value		
StrtStop_StOpModePrev_Cnt_M_enum	2		
StrtStop_StOpMode_Cnt_M_enum	0		
k_FltRspRampDnRt_UlspS_f32	96.2340012		
k_Mode1AssistSlew_UlspS_f32	81.6573029		
k_Mode2AssistSlew_UlspS_f32	136.816803		
k_NormalModeAssistSlew_UlspS_f32	500		
k_StopMode1AssistSlew_UlspS_f32	271.622986		
k_StopMode2AssistSlew_UlspS_f32	481.175812		
Name	Actual Value	Expected Value	Result
SlewRateCalc()	500	500	✓

## Test Step 2.20 (Repeat Count = 1) ✓

Name	Input Value		
StrtStop_StOpModePrev_Cnt_M_enum	3		
StrtStop_StOpMode_Cnt_M_enum	0		
k_FltRspRampDnRt_UlspS_f32	340.167694		
k_Mode1AssistSlew_UlspS_f32	323.975494		
k_Mode2AssistSlew_UlspS_f32	337.529602		
k_NormalModeAssistSlew_UlspS_f32	2		
k_StopMode1AssistSlew_UlspS_f32	78.3917999		
k_StopMode2AssistSlew_UlspS_f32	57.514801		
Name	Actual Value	Expected Value	Result
SlewRateCalc()	2	2	✓

# TEST DETAILS REPORT

2016-07-18, 16:09:20+0530



SlewRateCalc

## Test Step 2.21 (Repeat Count = 1)

Name	Input Value		
StrtStop_StOpModePrev_Cnt_M_enum	1		
StrtStop_StOpMode_Cnt_M_enum	2		
k_FltRspRampDnRt_UlspS_f32	227.612701		
k_Mode1AssistSlew_UlspS_f32	205.505707		
k_Mode2AssistSlew_UlspS_f32	128.645401		
k_NormalModeAssistSlew_UlspS_f32	11.4350004		
k_StopMode1AssistSlew_UlspS_f32	0.100000001		
k_StopMode2AssistSlew_UlspS_f32	462.653687		
Name	Actual Value	Expected Value	Result
SlewRateCalc()	0.100000001	0.100000001	✓

## Test Step 2.22 (Repeat Count = 1)

Name	Input Value		
StrtStop_StOpModePrev_Cnt_M_enum	1		
StrtStop_StOpMode_Cnt_M_enum	2		
k_FltRspRampDnRt_UlspS_f32	178.932907		
k_Mode1AssistSlew_UlspS_f32	206.854904		
k_Mode2AssistSlew_UlspS_f32	45.1292		
k_NormalModeAssistSlew_UlspS_f32	272.269287		
k_StopMode1AssistSlew_UlspS_f32	500		
k_StopMode2AssistSlew_UlspS_f32	310.763		
Name	Actual Value	Expected Value	Result
SlewRateCalc()	500	500	✓

## Test Step 2.23 (Repeat Count = 1)

Name	Input Value		
StrtStop_StOpModePrev_Cnt_M_enum	1		
StrtStop_StOpMode_Cnt_M_enum	2		
k_FltRspRampDnRt_UlspS_f32	75.225502		
k_Mode1AssistSlew_UlspS_f32	357.106689		
k_Mode2AssistSlew_UlspS_f32	15.6032		
k_NormalModeAssistSlew_UlspS_f32	459.0065		
k_StopMode1AssistSlew_UlspS_f32	0.800000012		
k_StopMode2AssistSlew_UlspS_f32	174.276199		
Name	Actual Value	Expected Value	Result
SlewRateCalc()	0.800000012	0.800000012	✓

## Test Step 2.24 (Repeat Count = 1)

Name	Input Value		
StrtStop_StOpModePrev_Cnt_M_enum	0		
StrtStop_StOpMode_Cnt_M_enum	0		
k_FltRspRampDnRt_UlspS_f32	0.100000001		
k_Mode1AssistSlew_UlspS_f32	163.496704		
k_Mode2AssistSlew_UlspS_f32	161.749298		
k_NormalModeAssistSlew_UlspS_f32	215.617798		
k_StopMode1AssistSlew_UlspS_f32	195.687195		
k_StopMode2AssistSlew_UlspS_f32	74.8572006		
Name	Actual Value	Expected Value	Result
SlewRateCalc()	0.100000001	0.100000001	✓

# TEST DETAILS REPORT

2016-07-18, 16:09:20+0530



SlewRateCalc

## Test Step 2.25 (Repeat Count = 1)

Name	Input Value		
StrtStop_StOpModePrev_Cnt_M_enum	1		
StrtStop_StOpMode_Cnt_M_enum	1		
k_FltRspRampDnRt_UlspS_f32	500		
k_Mode1AssistSlew_UlspS_f32	317.259308		
k_Mode2AssistSlew_UlspS_f32	395.87561		
k_NormalModeAssistSlew_UlspS_f32	339.68399		
k_StopMode1AssistSlew_UlspS_f32	53.8843002		
k_StopMode2AssistSlew_UlspS_f32	240.521103		
Name	Actual Value	Expected Value	Result
SlewRateCalc()	500	500	✓

## Test Step 2.26 (Repeat Count = 1)

Name	Input Value		
StrtStop_StOpModePrev_Cnt_M_enum	4		
StrtStop_StOpMode_Cnt_M_enum	5		
k_FltRspRampDnRt_UlspS_f32	5		
k_Mode1AssistSlew_UlspS_f32	104.067398		
k_Mode2AssistSlew_UlspS_f32	148.996506		
k_NormalModeAssistSlew_UlspS_f32	251.779205		
k_StopMode1AssistSlew_UlspS_f32	392.803192		
k_StopMode2AssistSlew_UlspS_f32	110.001999		
Name	Actual Value	Expected Value	Result
SlewRateCalc()	5	5	✓

## Test Step 2.27 (Repeat Count = 1)

Name	Input Value		
StrtStop_StOpModePrev_Cnt_M_enum	2		
StrtStop_StOpMode_Cnt_M_enum	3		
k_FltRspRampDnRt_UlspS_f32	45.0014		
k_Mode1AssistSlew_UlspS_f32	93.2742004		
k_Mode2AssistSlew_UlspS_f32	0.100000001		
k_NormalModeAssistSlew_UlspS_f32	257.431091		
k_StopMode1AssistSlew_UlspS_f32	230.334106		
k_StopMode2AssistSlew_UlspS_f32	497.859985		
Name	Actual Value	Expected Value	Result
SlewRateCalc()	0.100000001	0.100000001	✓

## Test Step 2.28 (Repeat Count = 1)

Name	Input Value		
StrtStop_StOpModePrev_Cnt_M_enum	2		
StrtStop_StOpMode_Cnt_M_enum	3		
k_FltRspRampDnRt_UlspS_f32	379.646606		
k_Mode1AssistSlew_UlspS_f32	292.304504		
k_Mode2AssistSlew_UlspS_f32	500		
k_NormalModeAssistSlew_UlspS_f32	232.006699		
k_StopMode1AssistSlew_UlspS_f32	377.622406		
k_StopMode2AssistSlew_UlspS_f32	65.427597		
Name	Actual Value	Expected Value	Result
SlewRateCalc()	500	500	✓

# TEST DETAILS REPORT

2016-07-18, 16:09:20+0530



SlewRateCalc

## Test Step 2.29 (Repeat Count = 1)

Name	Input Value		
StrtStop_StOpModePrev_Cnt_M_enum	2		
StrtStop_StOpMode_Cnt_M_enum	3		
k_FltRspRampDnRt_UlspS_f32	201.382706		
k_Mode1AssistSlew_UlspS_f32	40.5299988		
k_Mode2AssistSlew_UlspS_f32	0.400000006		
k_NormalModeAssistSlew_UlspS_f32	177.154495		
k_StopMode1AssistSlew_UlspS_f32	298.683807		
k_StopMode2AssistSlew_UlspS_f32	14.5689001		
Name	Actual Value	Expected Value	Result
SlewRateCalc()	0.400000006	0.400000006	✓

## Test Step 2.30 (Repeat Count = 1)

Name	Input Value		
StrtStop_StOpModePrev_Cnt_M_enum	3		
StrtStop_StOpMode_Cnt_M_enum	2		
k_FltRspRampDnRt_UlspS_f32	231.452896		
k_Mode1AssistSlew_UlspS_f32	229.497894		
k_Mode2AssistSlew_UlspS_f32	170.709793		
k_NormalModeAssistSlew_UlspS_f32	202.881393		
k_StopMode1AssistSlew_UlspS_f32	417.214508		
k_StopMode2AssistSlew_UlspS_f32	0.100000001		
Name	Actual Value	Expected Value	Result
SlewRateCalc()	0.100000001	0.100000001	✓

## Test Step 2.31 (Repeat Count = 1)

Name	Input Value		
StrtStop_StOpModePrev_Cnt_M_enum	3		
StrtStop_StOpMode_Cnt_M_enum	2		
k_FltRspRampDnRt_UlspS_f32	246.625793		
k_Mode1AssistSlew_UlspS_f32	453.78009		
k_Mode2AssistSlew_UlspS_f32	22.6074009		
k_NormalModeAssistSlew_UlspS_f32	135.208496		
k_StopMode1AssistSlew_UlspS_f32	9.49610043		
k_StopMode2AssistSlew_UlspS_f32	500		
Name	Actual Value	Expected Value	Result
SlewRateCalc()	500	500	✓

## Test Step 2.32 (Repeat Count = 1)

Name	Input Value		
StrtStop_StOpModePrev_Cnt_M_enum	3		
StrtStop_StOpMode_Cnt_M_enum	2		
k_FltRspRampDnRt_UlspS_f32	104.100502		
k_Mode1AssistSlew_UlspS_f32	131.019394		
k_Mode2AssistSlew_UlspS_f32	241.748199		
k_NormalModeAssistSlew_UlspS_f32	27.9468002		
k_StopMode1AssistSlew_UlspS_f32	105.473602		
k_StopMode2AssistSlew_UlspS_f32	0.5		
Name	Actual Value	Expected Value	Result
SlewRateCalc()	0.5	0.5	✓

## Test Case 3: Path Test

## Specification

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

TS3.1 99.00 Cycles  
TS3.2 72.00 Cycles  
TS3.3 86.00 Cycles  
TS3.4 87.00 Cycles  
TS3.5 118.00 Cycles  
TS3.6 85.00 Cycles  
TS3.7 77.00 Cycles  
TS3.8 111.00 Cycles  
TS3.9 76.00 Cycles  
TS3.10 98.00 Cycles  
TS3.11 131.00 Cycles  
TS3.12 97.00 Cycles  
TS3.13 108.00 Cycles  
TS3.14 87.00 Cycles

## Description

Vector Description

TS3.1"switch (StrtStop\_StOpModePrev\_Cnt\_M\_enum):  
case SS\_Normal :  
(StrtStop\_StOpMode\_Cnt\_M\_enum == SS\_Intermediate1)=false"  
TS3.2"switch (StrtStop\_StOpModePrev\_Cnt\_M\_enum)  
case default :"  
TS3.3"case SS\_Intermediate1 :  
(StrtStop\_StOpMode\_Cnt\_M\_enum == SS\_Normal)=false  
(StrtStop\_StOpMode\_Cnt\_M\_enum == SS\_Stop)=false  
"  
TS3.4"case SS\_Stop :  
(StrtStop\_StOpMode\_Cnt\_M\_enum == SS\_Intermediate2)=true"  
TS3.5"case SS\_Intermediate2 :  
(StrtStop\_StOpMode\_Cnt\_M\_enum == SS\_Stop)=false  
(StrtStop\_StOpMode\_Cnt\_M\_enum == SS\_Normal)=false  
"  
TS3.6"case SS\_Fault :  
TS3.7"case default :  
TS3.8"case SS\_Stop :  
(StrtStop\_StOpMode\_Cnt\_M\_enum == SS\_Intermediate2)=false  
(StrtStop\_StOpMode\_Cnt\_M\_enum == SS\_Normal)=false"  
TS3.9"case SS\_Normal :  
(StrtStop\_StOpMode\_Cnt\_M\_enum == SS\_Intermediate1)=true"  
TS3.10"case SS\_Intermediate1 :  
(StrtStop\_StOpMode\_Cnt\_M\_enum == SS\_Normal)=true"  
TS3.11"case SS\_Stop :  
(StrtStop\_StOpMode\_Cnt\_M\_enum == SS\_Intermediate2)=false  
(StrtStop\_StOpMode\_Cnt\_M\_enum == SS\_Normal)=true"  
TS3.12"case SS\_Intermediate2 :  
(StrtStop\_StOpMode\_Cnt\_M\_enum == SS\_Stop)=false  
(StrtStop\_StOpMode\_Cnt\_M\_enum == SS\_Normal)=true"  
TS3.13"case SS\_Intermediate1 :  
(StrtStop\_StOpMode\_Cnt\_M\_enum == SS\_Normal)=false  
(StrtStop\_StOpMode\_Cnt\_M\_enum == SS\_Stop)=true"  
TS3.14"case SS\_Intermediate2 :  
(StrtStop\_StOpMode\_Cnt\_M\_enum == SS\_Stop)=true"

## Test Step 3.1 (Repeat Count = 1)

Name	Input Value		
StrtStop_StOpModePrev_Cnt_M_enum	0		
StrtStop_StOpMode_Cnt_M_enum	0		
k_FitRspRampDnRt_UlspS_f32	0.100000001		
k_Mode1AssistSlew_UlspS_f32	0.100000001		
k_Mode2AssistSlew_UlspS_f32	0.100000001		
k_NormalModeAssistSlew_UlspS_f32	0.100000001		
k_StopMode1AssistSlew_UlspS_f32	0.100000001		
k_StopMode2AssistSlew_UlspS_f32	0.100000001		
Name	Actual Value	Expected Value	Result
SlewRateCalc()	0.100000001	0.100000001	✓

## Test Step 3.2 (Repeat Count = 1)

Name	Input Value		
StrtStop_StOpModePrev_Cnt_M_enum	5		
StrtStop_StOpMode_Cnt_M_enum	5		
k_FitRspRampDnRt_UlspS_f32	500		
k_Mode1AssistSlew_UlspS_f32	500		
k_Mode2AssistSlew_UlspS_f32	500		
k_NormalModeAssistSlew_UlspS_f32	500		
k_StopMode1AssistSlew_UlspS_f32	500		
k_StopMode2AssistSlew_UlspS_f32	500		
Name	Actual Value	Expected Value	Result
SlewRateCalc()	1	1	✓



# TEST DETAILS REPORT

SlewRateCalc

2016-07-18, 16:09:20+0530



Test Step 3.3 (Repeat Count = 1)				✓
Name	Input Value			
StrtStop_StOpModePrev_Cnt_M_enum	1			
StrtStop_StOpMode_Cnt_M_enum	1			
k_FltRspRampDnRt_UlspS_f32	52.9211998			
k_Mode1AssistSlew_UlspS_f32	22.9657001			
k_Mode2AssistSlew_UlspS_f32	47.9003983			
k_NormalModeAssistSlew_UlspS_f32	189.892303			
k_StopMode1AssistSlew_UlspS_f32	490.520111			
k_StopMode2AssistSlew_UlspS_f32	433.145294			
Name	Actual Value	Expected Value	Result	
SlewRateCalc()	52.9211998	52.9211998	✓	

Test Step 3.4 (Repeat Count = 1)				✓
Name	Input Value			
StrtStop_StOpModePrev_Cnt_M_enum	2			
StrtStop_StOpMode_Cnt_M_enum	3			
k_FltRspRampDnRt_UlspS_f32	166.245697			
k_Mode1AssistSlew_UlspS_f32	148.252594			
k_Mode2AssistSlew_UlspS_f32	295.5271			
k_NormalModeAssistSlew_UlspS_f32	145.193207			
k_StopMode1AssistSlew_UlspS_f32	30.6128998			
k_StopMode2AssistSlew_UlspS_f32	294.944092			
Name	Actual Value	Expected Value	Result	
SlewRateCalc()	295.5271	295.5271	✓	

Test Step 3.5 (Repeat Count = 1)				✓
Name	Input Value			
StrtStop_StOpModePrev_Cnt_M_enum	3			
StrtStop_StOpMode_Cnt_M_enum	1			
k_FltRspRampDnRt_UlspS_f32	64.3404007			
k_Mode1AssistSlew_UlspS_f32	191.449203			
k_Mode2AssistSlew_UlspS_f32	85.1895981			
k_NormalModeAssistSlew_UlspS_f32	460.615997			
k_StopMode1AssistSlew_UlspS_f32	195.597			
k_StopMode2AssistSlew_UlspS_f32	378.233612			
Name	Actual Value	Expected Value	Result	
SlewRateCalc()	64.3404007	64.3404007	✓	

Test Step 3.6 (Repeat Count = 1)				✓
Name	Input Value			
StrtStop_StOpModePrev_Cnt_M_enum	4			
StrtStop_StOpMode_Cnt_M_enum	2			
k_FltRspRampDnRt_UlspS_f32	0.220799997			
k_Mode1AssistSlew_UlspS_f32	150.856094			
k_Mode2AssistSlew_UlspS_f32	464.743103			
k_NormalModeAssistSlew_UlspS_f32	316.539795			
k_StopMode1AssistSlew_UlspS_f32	182.926193			
k_StopMode2AssistSlew_UlspS_f32	464.876587			
Name	Actual Value	Expected Value	Result	
SlewRateCalc()	0.220799997	0.220799997	✓	

Test Step 3.7 (Repeat Count = 1)				✓
Name	Input Value			
StrtStop_StOpModePrev_Cnt_M_enum	5			
StrtStop_StOpMode_Cnt_M_enum	3			
k_FltRspRampDnRt_UlspS_f32	166.245697			
k_Mode1AssistSlew_UlspS_f32	148.252594			
k_Mode2AssistSlew_UlspS_f32	295.5271			
k_NormalModeAssistSlew_UlspS_f32	145.193207			

# TEST DETAILS REPORT

2016-07-18, 16:09:20+0530



SlewRateCalc

Name	Input Value		
k_StopMode1AssistSlew_UlspS_f32	30.6128998		
k_StopMode2AssistSlew_UlspS_f32	294.944092		
Name	Actual Value	Expected Value	Result
SlewRateCalc()	1	1	✓

## Test Step 3.8 (Repeat Count = 1) ✓

Name	Input Value		
StrtStop_StOpModePrev_Cnt_M_enum	2		
StrtStop_StOpMode_Cnt_M_enum	2		
k_FitRspRampDnRt_UlspS_f32	268.980103		
k_Mode1AssistSlew_UlspS_f32	475.239288		
k_Mode2AssistSlew_UlspS_f32	49.1530991		
k_NormalModeAssistSlew_UlspS_f32	314.485901		
k_StopMode1AssistSlew_UlspS_f32	245.488297		
k_StopMode2AssistSlew_UlspS_f32	165.906403		
Name	Actual Value	Expected Value	Result
SlewRateCalc()	268.980103	268.980103	✓

## Test Step 3.9 (Repeat Count = 1) ✓

Name	Input Value		
StrtStop_StOpModePrev_Cnt_M_enum	0		
StrtStop_StOpMode_Cnt_M_enum	1		
k_FitRspRampDnRt_UlspS_f32	329.218811		
k_Mode1AssistSlew_UlspS_f32	0.100000001		
k_Mode2AssistSlew_UlspS_f32	222.430695		
k_NormalModeAssistSlew_UlspS_f32	214.713806		
k_StopMode1AssistSlew_UlspS_f32	78.0716019		
k_StopMode2AssistSlew_UlspS_f32	272.059204		
Name	Actual Value	Expected Value	Result
SlewRateCalc()	0.100000001	0.100000001	✓

## Test Step 3.10 (Repeat Count = 1) ✓

Name	Input Value		
StrtStop_StOpModePrev_Cnt_M_enum	1		
StrtStop_StOpMode_Cnt_M_enum	0		
k_FitRspRampDnRt_UlspS_f32	41.1204987		
k_Mode1AssistSlew_UlspS_f32	80.4652023		
k_Mode2AssistSlew_UlspS_f32	376.119507		
k_NormalModeAssistSlew_UlspS_f32	0.100000001		
k_StopMode1AssistSlew_UlspS_f32	315.041809		
k_StopMode2AssistSlew_UlspS_f32	205.487396		
Name	Actual Value	Expected Value	Result
SlewRateCalc()	0.100000001	0.100000001	✓

## Test Step 3.11 (Repeat Count = 1) ✓

Name	Input Value		
StrtStop_StOpModePrev_Cnt_M_enum	2		
StrtStop_StOpMode_Cnt_M_enum	0		
k_FitRspRampDnRt_UlspS_f32	96.2340012		
k_Mode1AssistSlew_UlspS_f32	81.6573029		
k_Mode2AssistSlew_UlspS_f32	136.816803		
k_NormalModeAssistSlew_UlspS_f32	500		
k_StopMode1AssistSlew_UlspS_f32	271.622986		
k_StopMode2AssistSlew_UlspS_f32	481.175812		
Name	Actual Value	Expected Value	Result
SlewRateCalc()	500	500	✓

## Test Step 3.12 (Repeat Count = 1) ✓

Name	Input Value		
StrtStop_StOpModePrev_Cnt_M_enum	3		

# TEST DETAILS REPORT

2016-07-18, 16:09:20+0530



SlewRateCalc

Name	Input Value		
StrtStop_StOpMode_Cnt_M_enum	0		
k_FltRspRampDnRt_UlspS_f32	340.167694		
k_Mode1AssistSlew_UlspS_f32	323.975494		
k_Mode2AssistSlew_UlspS_f32	337.529602		
k_NormalModeAssistSlew_UlspS_f32	2		
k_StopMode1AssistSlew_UlspS_f32	78.3917999		
k_StopMode2AssistSlew_UlspS_f32	57.514801		
Name	Actual Value	Expected Value	Result
SlewRateCalc()	2	2	✓

## Test Step 3.13 (Repeat Count = 1)

Name	Input Value		
StrtStop_StOpModePrev_Cnt_M_enum	1		
StrtStop_StOpMode_Cnt_M_enum	2		
k_FltRspRampDnRt_UlspS_f32	227.612701		
k_Mode1AssistSlew_UlspS_f32	205.505707		
k_Mode2AssistSlew_UlspS_f32	128.645401		
k_NormalModeAssistSlew_UlspS_f32	11.4350004		
k_StopMode1AssistSlew_UlspS_f32	0.100000001		
k_StopMode2AssistSlew_UlspS_f32	462.653687		
Name	Actual Value	Expected Value	Result
SlewRateCalc()	0.100000001	0.100000001	✓

## Test Step 3.14 (Repeat Count = 1)

Name	Input Value		
StrtStop_StOpModePrev_Cnt_M_enum	3		
StrtStop_StOpMode_Cnt_M_enum	2		
k_FltRspRampDnRt_UlspS_f32	231.452896		
k_Mode1AssistSlew_UlspS_f32	229.497894		
k_Mode2AssistSlew_UlspS_f32	170.709793		
k_NormalModeAssistSlew_UlspS_f32	202.881393		
k_StopMode1AssistSlew_UlspS_f32	417.214508		
k_StopMode2AssistSlew_UlspS_f32	0.100000001		
Name	Actual Value	Expected Value	Result
SlewRateCalc()	0.100000001	0.100000001	✓

# TEST DETAILS REPORT

2016-07-18, 16:07:36+0530



StrtStop\_Per1

Project	GMStrtStop2
Module	GMStrtStop
Test Object	StrtStop_Per1

## 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\GMStrtStop
Configuration File	D:\Synergy_Work_Area\GMStrtStop\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)\GMStrtStop\src\Ap_GMStrtStop.c
Compiler Options	-D_DATA_ACCESS= -Dconst= -I\$(PROJECTROOT)\GMStrtStop\utp\contract\Ap_GMStrtStop -I\$(PROJECTROOT)\GMStrtStop\utp\contract -I\$(PROJECTROOT)\NxtLib\include -I\$(PROJECTROOT)\StdDef\include -I\$(Compiler Install Path)\include

## Comments/Description/Specification

Name	Text
Module 'GMStrtStop'	***** UNIT TEST DESCRIPTION*****  Name of Tester: Imran Desai Code File(s) Under Test:Ap_GMStrtStop.c Code File(s) Version: 3 Module Design Document:GMStrtStop_MDD.docx Module Design Document Version:5 Data Dictionary Version: 5 Unit Test Plan Version:1 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):1046 Total RAM Used (Bytes):20 Total CALS Used (Bytes):85 Special Test Requirements: Test Date:7/15/2016 Comments: NOTE1: Inline Function defined in Globalmacro.h is not unit tested.  NOTE2: "CBD_Sandbox_dbg.map" map file is embedded for the reference.  *****

## 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	\$(PROJECTROOT)\UnitTestEnv\static_build_files\sys_link.cmd
Makefile Template	\$(PROJECTROOT)\UnitTestEnv\config\Nexteer_ts_make_ude_ti_tms570.tpl
Target Install Path	\$(ProgramFiles)\pls\UDE 4.4
Time Unit	Cycles
Timer Enabled	false

# TEST DETAILS REPORT

2016-07-18, 16:07:36+0530

StrtStop\_Per1



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\GMStrtStop\UnitTestEnv\config\UDE_TMS570_DEBUG.WSP

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## TEST DETAILS REPORT

*StrtStop\_Per1*

2016-07-18, 16:07:36+0530



# TEST DETAILS REPORT

2016-07-18, 16:07:36+0530



StrtStop\_Per1

## Test Case 1: Metrics Test

<b>Specification</b>	Performance Metrics: (With "None" Instrumentation and "WithPS" Environment) CPU Cycles:  TS1.1 303.00 Cycles TS1.2 968.00 Cycles
<b>Description</b>	Vector Description  TS1.1"Shortest Execution Path: (k_AlgEnable_Cnt_lgc == FALSE)=true (APASState_State_T_enum == D_APASTNORM_CNT_U08)=true "  TS1.2"Longest Execution Path: (k_AlgEnable_Cnt_lgc == FALSE)=false case SS_Intermediate1 : (EngSpd_Rpm_T_f32 > k_NormalModeEngTransThresh_Rpm_f32) =false ( (VehicleSpeed_Kph_T_f32 <= k_StopMode1VehSpdTransThres_Kph_f32)T && (AbsHandwheelVelocity_HwDegpS_f32 <= k_StopMode1HwVelTransThresh_HwDegpS_f32)T && (AbsHwTorque_HwNm_T_f32 <= k_StopMode1HwTrqTransThresh_HwNm_f32) T&& (ElapsedTime1_mS_T_u32 >= ((uint32)k_StopMode1Timer_Sec_u16 * (uint32)D_MSECPERSEC_ULS_F32)) T)=TRUE"

## Test Step 1.1 (Repeat Count = 1)

Name	Input Value		
DtrmnElapsedTime_mS_u32(ElapsedTime)	target_DtrmnElapsedTime_mS_u32_ElapsedTime		
GetSystemTime_mS_u32(CurrentTime)	target_GetSystemTime_mS_u32_CurrentTime		
Rte_Inst_Ap_GMStrtStop	target_Rte_Inst_Ap_GMStrtStop		
StrtStop_SSScale_Uls_M_f32	0		
StrtStop_SSSlewRatePrev_UlspS_M_f32	0.100000001		
StrtStop_StOpModePrevPrev_Cnt_M_enum	0		
StrtStop_StOpModePrev_Cnt_M_enum	0		
StrtStop_StOpMode_Cnt_M_enum	0		
StrtStop_StopModeTimer1_mS_M_u32	0		
StrtStop_StopModeTimer2_mS_M_u32	0		
k_AlgEnable_Cnt_lgc	0		
k_FltRspRampDnRt_UlspS_f32	0.100000001		
k_Mode1AssistDD_Uls_f32	0.00109999999		
k_Mode1AssistSlew_UlspS_f32	0.100000001		
k_Mode1EngTransThresh_Rpm_f32	0		
k_Mode1VehSpdTransThresh_Kph_f32	0		
k_Mode2AssistDD_Uls_f32	0.00109999999		
k_Mode2AssistSlew_UlspS_f32	0.100000001		
k_Mode2VehSpdTransThresh_Kph_f32	0		
k_NormalModeAssistSlew_UlspS_f32	0.100000001		
k_NormalModeEngTransThresh_Rpm_f32	0		
k_NormalModeVehSpdTransThresh_Kph_f32	0		
k_StopMode1AssistSlew_UlspS_f32	0.100000001		
k_StopMode1HwTrqTransThresh_HwNm_f32	0		
k_StopMode1HwVelTransThresh_HwDegpS_f32	0		
k_StopMode1Timer_Sec_u16	0		
k_StopMode1VehSpdTransThres_Kph_f32	0		
k_StopMode2AssistSlew_UlspS_f32	0.100000001		
k_StopMode2HwTrqTransThresh_HwNm_f32	0		
k_StopMode2HwVelTransThresh_HwDegpS_f32	0		
k_StopMode2Timer_Sec_u16	0		
k_StopMode2VehSpdTransThresh_Kph_f32	0		
k_StopModeAssistDD_Uls_f32	0		
target_DtrmnElapsedTime_mS_u32_ElapsedTime	0		
target_GetSystemTime_mS_u32_CurrentTime	0		
target_Rte_Inst_Ap_GMStrtStop.StrtStop_Per1_APASState_State_enum	target_StrtStop_Per1_APASState_State_enum		
target_Rte_Inst_Ap_GMStrtStop.StrtStop_Per1_EngSpd_Rpm_f32	target_StrtStop_Per1_EngSpd_Rpm_f32		
target_Rte_Inst_Ap_GMStrtStop.StrtStop_Per1_HandwheelVelocity_HwRadpS_f32	target_StrtStop_Per1_HandwheelVelocity_HwRadpS_f32		
target_Rte_Inst_Ap_GMStrtStop.StrtStop_Per1_HwTorque_HwNm_f32	target_StrtStop_Per1_HwTorque_HwNm_f32		
target_Rte_Inst_Ap_GMStrtStop.StrtStop_Per1_SS12VFault_Cnt_lgc	target_StrtStop_Per1_SS12VFault_Cnt_lgc		
target_Rte_Inst_Ap_GMStrtStop.StrtStop_Per1_SSScale_Uls_f32	target_StrtStop_Per1_SSScale_Uls_f32		
target_Rte_Inst_Ap_GMStrtStop.StrtStop_Per1_SSSlew_UlspS_f32	target_StrtStop_Per1_SSSlew_UlspS_f32		
target_Rte_Inst_Ap_GMStrtStop.StrtStop_Per1_SSSState_State_enum	target_StrtStop_Per1_SSSState_State_enum		
target_Rte_Inst_Ap_GMStrtStop.StrtStop_Per1_VehicleSpeed_Kph_f32	target_StrtStop_Per1_VehicleSpeed_Kph_f32		
target_StrtStop_Per1_APASState_State_enum.value	0		
target_StrtStop_Per1_EngSpd_Rpm_f32.value	0		
target_StrtStop_Per1_HandwheelVelocity_HwRadpS_f32.value	-100		
target_StrtStop_Per1_HwTorque_HwNm_f32.value	-10		
target_StrtStop_Per1_SS12VFault_Cnt_lgc.value	0		
target_StrtStop_Per1_VehicleSpeed_Kph_f32.value	0		
Name	Actual Value	Expected Value	Result
StrtStop_SSScale_Uls_M_f32	1	1	✔

# TEST DETAILS REPORT

2016-07-18, 16:07:36+0530



StrtStop\_Per1

Name	Actual Value	Expected Value	Result
StrtStop_SSSlewRatePrev_UlspS_M_f32	0.100000001	0.100000001 ± 0.1	✓
StrtStop_StOpModePrevPrev_Cnt_M_enum	0	0	✓
StrtStop_StOpModePrev_Cnt_M_enum	5	5	✓
StrtStop_StOpMode_Cnt_M_enum	5	5	✓
StrtStop_StopModeTimer1_mS_M_u32	0	0	✓
StrtStop_StopModeTimer2_mS_M_u32	0	0	✓
target_StrtStop_Per1_SSScale_Uls_f32.value	1	1 ± 0.0001	✓
target_StrtStop_Per1_SSSlew_UlspS_f32.value	0.100000001	0.100000001 ± 0.1	✓
target_StrtStop_Per1_SSSState_State_enum.value	5	5	✓

## Test Step Call Trace

Actual Function	Count	Expected Function	Count	Result
PreviousStCalc	1	PreviousStCalc	1	✓
SlewRateCalc	1	SlewRateCalc	1	✓

## Test Step 1.2 (Repeat Count = 1)

Name	Input Value		
DtrmnElapsedTime_mS_u32(ElapsedTime)	target_DtrmnElapsedTime_mS_u32_ElapsedTime		
GetSystemTime_mS_u32(CurrentTime)	target_GetSystemTime_mS_u32_CurrentTime		
Rte_Inst_Ap_GMStrtStop	target_Rte_Inst_Ap_GMStrtStop		
StrtStop_SSScale_Uls_M_f32	0.58920002		
StrtStop_SSSlewRatePrev_UlspS_M_f32	427.796295		
StrtStop_StOpModePrevPrev_Cnt_M_enum	0		
StrtStop_StOpModePrev_Cnt_M_enum	4		
StrtStop_StOpMode_Cnt_M_enum	1		
StrtStop_StopModeTimer1_mS_M_u32	1720474112		
StrtStop_StopModeTimer2_mS_M_u32	884316160		
k_AlgEnable_Cnt_lgc	1		
k_FltRspRampDnRt_UlspS_f32	398.398407		
k_Mode1AssistDD_Uls_f32	0.914399981		
k_Mode1AssistSlew_UlspS_f32	123.570297		
k_Mode1EngTransThresh_Rpm_f32	4540.35449		
k_Mode1VehSpdTransThresh_Kph_f32	67.8223038		
k_Mode2AssistDD_Uls_f32	0.157000005		
k_Mode2AssistSlew_UlspS_f32	455.527191		
k_Mode2VehSpdTransThresh_Kph_f32	83.0986023		
k_NormalModeAssistSlew_UlspS_f32	270.619507		
k_NormalModeEngTransThresh_Rpm_f32	15574.7441		
k_NormalModeVehSpdTransThresh_Kph_f32	142.539001		
k_StopMode1AssistSlew_UlspS_f32	324.302399		
k_StopMode1HwTrqTransThresh_HwNm_f32	8.40019989		
k_StopMode1HwVelTransThresh_HwDegpS_f32	189.988998		
k_StopMode1Timer_Sec_u16	0		
k_StopMode1VehSpdTransThres_Kph_f32	200		
k_StopMode2AssistSlew_UlspS_f32	473.456512		
k_StopMode2HwTrqTransThresh_HwNm_f32	5.81529999		
k_StopMode2HwVelTransThresh_HwDegpS_f32	171.247406		
k_StopMode2Timer_Sec_u16	4		
k_StopMode2VehSpdTransThresh_Kph_f32	50.5055008		
k_StopModeAssistDD_Uls_f32	0.492900014		
target_DtrmnElapsedTime_mS_u32_ElapsedTime	0		
target_GetSystemTime_mS_u32_CurrentTime	200		
target_Rte_Inst_Ap_GMStrtStop.StrtStop_Per1_APASState_State_enum	target_StrtStop_Per1_APASState_State_enum		
target_Rte_Inst_Ap_GMStrtStop.StrtStop_Per1_EngSpd_Rpm_f32	target_StrtStop_Per1_EngSpd_Rpm_f32		
target_Rte_Inst_Ap_GMStrtStop.StrtStop_Per1_HandwheelVelocity_HwRadpS_f32	target_StrtStop_Per1_HandwheelVelocity_HwRadpS_f32		
target_Rte_Inst_Ap_GMStrtStop.StrtStop_Per1_HwTorque_HwNm_f32	target_StrtStop_Per1_HwTorque_HwNm_f32		
target_Rte_Inst_Ap_GMStrtStop.StrtStop_Per1_SS12VFault_Cnt_lgc	target_StrtStop_Per1_SS12VFault_Cnt_lgc		
target_Rte_Inst_Ap_GMStrtStop.StrtStop_Per1_SSScale_Uls_f32	target_StrtStop_Per1_SSScale_Uls_f32		
target_Rte_Inst_Ap_GMStrtStop.StrtStop_Per1_SSSlew_UlspS_f32	target_StrtStop_Per1_SSSlew_UlspS_f32		
target_Rte_Inst_Ap_GMStrtStop.StrtStop_Per1_SSSState_State_enum	target_StrtStop_Per1_SSSState_State_enum		
target_Rte_Inst_Ap_GMStrtStop.StrtStop_Per1_VehicleSpeed_Kph_f32	target_StrtStop_Per1_VehicleSpeed_Kph_f32		
target_StrtStop_Per1_APASState_State_enum.value	0		
target_StrtStop_Per1_EngSpd_Rpm_f32.value	12368.9844		
target_StrtStop_Per1_HandwheelVelocity_HwRadpS_f32.value	82.75		
target_StrtStop_Per1_HwTorque_HwNm_f32.value	4.54290009		
target_StrtStop_Per1_SS12VFault_Cnt_lgc.value	0		
target_StrtStop_Per1_VehicleSpeed_Kph_f32.value	61.6324997		
Name	Actual Value	Expected Value	Result
StrtStop_SSScale_Uls_M_f32	0.58920002	0.58920002	✔
StrtStop_SSSlewRatePrev_UlspS_M_f32	398.398407	398.398407 ± 0.1	✔



# TEST DETAILS REPORT

2016-07-18, 16:07:36+0530



StrtStop\_Per1

Name	Actual Value	Expected Value	Result
StrtStop_StOpModePrevPrev_Cnt_M_enum	4	4	✓
StrtStop_StOpModePrev_Cnt_M_enum	1	1	✓
StrtStop_StOpMode_Cnt_M_enum	1	1	✓
StrtStop_StopModeTimer1_mS_M_u32	1720474112	1720474112	✓
StrtStop_StopModeTimer2_mS_M_u32	884316160	884316160	✓
target_StrtStop_Per1_SSScale_Uls_f32.value	0.58920002	0.58920002 ± 0.0001	✓
target_StrtStop_Per1_SSSlew_UlspS_f32.value	398.398407	398.398407 ± 0.1	✓
target_StrtStop_Per1_SSState_State_enum.value	1	1	✓

Test Step Call Trace					✓
Actual Function	Count	Expected Function	Count	Result	
DtrmnElapsedTime_mS_u32	1	DtrmnElapsedTime_mS_u32	1		✓
PreviousStCalc	1	PreviousStCalc	1		✓
SlewRateCalc	1	SlewRateCalc	1		✓

# TEST DETAILS REPORT

2016-07-18, 16:07:36+0530

StrtStop\_Per1



## Test Case 2: Range Test



# TEST DETAILS REPORT

2016-07-18, 16:07:36+0530



StrtStop\_Per1

Specification	Performance Metrics: (With "None" Instrumentation and "WithPS" Environment) CPU Cycles:
	TS2.1 328.00 Cycles TS2.2 343.00 Cycles TS2.3 285.00 Cycles TS2.4 405.00 Cycles TS2.5 391.00 Cycles TS2.6 389.00 Cycles TS2.7 372.00 Cycles TS2.8 822.00 Cycles TS2.9 408.00 Cycles TS2.10 407.00 Cycles TS2.11 970.00 Cycles TS2.12 330.00 Cycles TS2.13 333.00 Cycles TS2.14 333.00 Cycles TS2.15 342.00 Cycles TS2.16 347.00 Cycles TS2.17 342.00 Cycles TS2.18 316.00 Cycles TS2.19 327.00 Cycles TS2.20 929.00 Cycles TS2.21 928.00 Cycles TS2.22 331.00 Cycles TS2.23 834.00 Cycles TS2.24 383.00 Cycles TS2.25 329.00 Cycles TS2.26 858.00 Cycles TS2.27 945.00 Cycles TS2.28 962.00 Cycles TS2.29 898.00 Cycles TS2.30 372.00 Cycles TS2.31 354.00 Cycles TS2.32 341.00 Cycles TS2.33 319.00 Cycles TS2.34 304.00 Cycles TS2.35 317.00 Cycles TS2.36 316.00 Cycles TS2.37 383.00 Cycles TS2.38 834.00 Cycles TS2.39 425.00 Cycles TS2.40 358.00 Cycles TS2.41 839.00 Cycles TS2.42 361.00 Cycles TS2.43 353.00 Cycles TS2.44 381.00 Cycles TS2.45 816.00 Cycles TS2.46 904.00 Cycles TS2.47 933.00 Cycles TS2.48 873.00 Cycles TS2.49 929.00 Cycles TS2.50 888.00 Cycles TS2.51 949.00 Cycles TS2.52 882.00 Cycles TS2.53 900.00 Cycles TS2.54 861.00 Cycles TS2.55 921.00 Cycles TS2.56 913.00 Cycles TS2.57 940.00 Cycles TS2.58 959.00 Cycles TS2.59 921.00 Cycles TS2.60 908.00 Cycles TS2.61 927.00 Cycles TS2.62 405.00 Cycles TS2.63 892.00 Cycles TS2.64 880.00 Cycles TS2.65 860.00 Cycles TS2.66 876.00 Cycles TS2.67 882.00 Cycles TS2.68 911.00 Cycles TS2.69 907.00 Cycles TS2.70 913.00 Cycles TS2.71 906.00 Cycles TS2.72 865.00 Cycles TS2.73 916.00 Cycles TS2.74 938.00 Cycles TS2.75 910.00 Cycles TS2.76 962.00 Cycles TS2.77 947.00 Cycles TS2.78 933.00 Cycles TS2.79 951.00 Cycles TS2.80 965.00 Cycles TS2.81 942.00 Cycles TS2.82 999.00 Cycles TS2.83 928.00 Cycles TS2.84 920.00 Cycles TS2.85 909.00 Cycles TS2.86 927.00 Cycles TS2.87 870.00 Cycles TS2.88 880.00 Cycles TS2.89 940.00 Cycles TS2.90 891.00 Cycles

# TEST DETAILS REPORT

2016-07-18, 16:07:36+0530



StrtStop\_Per1

Description	Vector Description
	TS2.1All Min
	TS2.2All Max
	TS2.3APASState_State_enum==>APA_Templnhibit
	TS2.4APASState_State_enum==>APA_AvailCntrl
	TS2.5APASState_State_enum==>APA_Active
	TS2.6APASState_State_enum==>APA_PermanentlyFailed
	TS2.7APASState_State_enum==>APA_ManufacturingDisable
	TS2.8EngSpd_Rpm_f32==>Min
	TS2.9EngSpd_Rpm_f32==>Max
	TS2.10EngSpd_Rpm_f32==>Pos
	TS2.11HandwheelVelocity_HwRadpS_f32==>Min
	TS2.12HandwheelVelocity_HwRadpS_f32==>Max
	TS2.13HandwheelVelocity_HwRadpS_f32==>Pos
	TS2.14HandwheelVelocity_HwRadpS_f32==>Zero
	TS2.15HandwheelVelocity_HwRadpS_f32==>Neg
	TS2.16HwTorque_HwNm_f32==>Min
	TS2.17HwTorque_HwNm_f32==>Max
	TS2.18HwTorque_HwNm_f32==>Pos
	TS2.19HwTorque_HwNm_f32==>Zero
	TS2.20HwTorque_HwNm_f32==>Neg
	TS2.21SS12VFault_Cnt_lgc==>Min
	TS2.22SS12VFault_Cnt_lgc==>Max
	TS2.23VehicleSpeed_Kph_f32==>Min
	TS2.24VehicleSpeed_Kph_f32==>Max
	TS2.25VehicleSpeed_Kph_f32==>Pos
	TS2.26StrtStop_StOpMode_Cnt_M_enum==>SS_Normal
	TS2.27StrtStop_StOpMode_Cnt_M_enum==>SS_Intermediate1
	TS2.28StrtStop_StOpMode_Cnt_M_enum==>SS_Stop
	TS2.29StrtStop_StOpMode_Cnt_M_enum==>SS_Intermediate2
	TS2.30StrtStop_StOpMode_Cnt_M_enum==>SS_Fault
	TS2.31StrtStop_StOpMode_Cnt_M_enum==>SS_Disable
	TS2.32StrtStop_SSSlewRatePrev_UlspS_M_f32==>Min
	TS2.33StrtStop_SSSlewRatePrev_UlspS_M_f32==>Max
	TS2.34StrtStop_SSSlewRatePrev_UlspS_M_f32==>Pos
	TS2.35k_AlgEnable_Cnt_lgc==>Min
	TS2.36k_AlgEnable_Cnt_lgc==>Max / Default
	TS2.37k_Mode1EngTransThresh_Rpm_f32==>Min
	TS2.38k_Mode1EngTransThresh_Rpm_f32==>Max
	TS2.39k_Mode1EngTransThresh_Rpm_f32==>Pos / Default
	TS2.40k_Mode1VehSpdTransThresh_Kph_f32==>Min
	TS2.41k_Mode1VehSpdTransThresh_Kph_f32==>Max
	TS2.42k_Mode1VehSpdTransThresh_Kph_f32==>Pos / Default
	TS2.43k_Mode1AssistDD_Uls_f32==>Min
	TS2.44k_Mode1AssistDD_Uls_f32==>Max
	TS2.45k_Mode1AssistDD_Uls_f32==>Pos / Default
	TS2.46k_NormalModeEngTransThresh_Rpm_f32==>Min
	TS2.47k_NormalModeEngTransThresh_Rpm_f32==>Max
	TS2.48k_NormalModeEngTransThresh_Rpm_f32==>Pos / Default
	TS2.49k_StopMode1VehSpdTransThres_Kph_f32==>Min
	TS2.50k_StopMode1VehSpdTransThres_Kph_f32==>Max
	TS2.51k_StopMode1VehSpdTransThres_Kph_f32==>Pos / Default
	TS2.52k_StopMode1HwVelTransThresh_HwDegpS_f32==>Min
	TS2.53k_StopMode1HwVelTransThresh_HwDegpS_f32==>Max
	TS2.54k_StopMode1HwVelTransThresh_HwDegpS_f32==>Pos / Default
	TS2.55k_StopMode1HwTrqTransThresh_HwNm_f32==>Min
	TS2.56k_StopMode1HwTrqTransThresh_HwNm_f32==>Max
	TS2.57k_StopMode1HwTrqTransThresh_HwNm_f32==>Pos / Default
	TS2.58k_StopModeAssistDD_Uls_f32==>Min
	TS2.59k_StopModeAssistDD_Uls_f32==>Max
	TS2.60k_StopModeAssistDD_Uls_f32==>Pos / Default
	TS2.61k_Mode2VehSpdTransThresh_Kph_f32==>Min
	TS2.62k_Mode2VehSpdTransThresh_Kph_f32==>Max
	TS2.63k_Mode2VehSpdTransThresh_Kph_f32==>Pos / Default
	TS2.64k_Mode2AssistDD_Uls_f32==>Min
	TS2.65k_Mode2AssistDD_Uls_f32==>Max
	TS2.66k_Mode2AssistDD_Uls_f32==>Pos / Default
	TS2.67k_NormalModeVehSpdTransThresh_Kph_f32==>Min
	TS2.68k_NormalModeVehSpdTransThresh_Kph_f32==>Max
	TS2.69k_NormalModeVehSpdTransThresh_Kph_f32==>Pos / Default
	TS2.70k_StopMode2VehSpdTransThresh_Kph_f32==>Min
	TS2.71k_StopMode2VehSpdTransThresh_Kph_f32==>Max
	TS2.72k_StopMode2VehSpdTransThresh_Kph_f32==>Pos / Default
	TS2.73k_StopMode2HwVelTransThresh_HwDegpS_f32==>Min
	TS2.74k_StopMode2HwVelTransThresh_HwDegpS_f32==>Max
	TS2.75k_StopMode2HwVelTransThresh_HwDegpS_f32==>Pos / Default
	TS2.76k_StopMode2HwTrqTransThresh_HwNm_f32==>Min
	TS2.77k_StopMode2HwTrqTransThresh_HwNm_f32==>Max
	TS2.78k_StopMode2HwTrqTransThresh_HwNm_f32==>Pos / Default
	TS2.79k_StopMode2Timer_Sec_u16==>Min
	TS2.80k_StopMode2Timer_Sec_u16==>Max
	TS2.81k_StopMode2Timer_Sec_u16==>Pos / Default
	TS2.82k_StopMode1Timer_Sec_u16==>Min
	TS2.83k_StopMode1Timer_Sec_u16==>Max
	TS2.84k_StopMode1Timer_Sec_u16==>Pos / Default
	TS2.85GetSystemTime_mS_u32==>Min
	TS2.86GetSystemTime_mS_u32==>Max
	TS2.87GetSystemTime_mS_u32==>Pos
	TS2.88DtrmnElapsedTime_mS_u32==>Min
	TS2.89DtrmnElapsedTime_mS_u32==>Max
	TS2.90DtrmnElapsedTime_mS_u32==>Pos

# TEST DETAILS REPORT

2016-07-18, 16:07:36+0530



StrtStop\_Per1

Test Step 2.1 (Repeat Count = 1)				
Name	Input Value			
DtrmnElapsedTime_mS_u32(ElapsedTime)	target_DtrmnElapsedTime_mS_u32_ElapsedTime			
GetSystemTime_mS_u32(CurrentTime)	target_GetSystemTime_mS_u32_CurrentTime			
Rte_Inst_Ap_GMStrtStop	target_Rte_Inst_Ap_GMStrtStop			
StrtStop_SSScale_Uls_M_f32	0			
StrtStop_SSSlewRatePrev_UlspS_M_f32	0.100000001			
StrtStop_StOpModePrevPrev_Cnt_M_enum	0			
StrtStop_StOpModePrev_Cnt_M_enum	0			
StrtStop_StOpMode_Cnt_M_enum	0			
StrtStop_StopModeTimer1_mS_M_u32	0			
StrtStop_StopModeTimer2_mS_M_u32	0			
k_AlgEnable_Cnt_lgc	0			
k_FltRspRampDnRt_UlspS_f32	0.100000001			
k_Mode1AssistDD_Uls_f32	0.00109999999			
k_Mode1AssistSlew_UlspS_f32	0.100000001			
k_Mode1EngTransThresh_Rpm_f32	0			
k_Mode1VehSpdTransThresh_Kph_f32	0			
k_Mode2AssistDD_Uls_f32	0.00109999999			
k_Mode2AssistSlew_UlspS_f32	0.100000001			
k_Mode2VehSpdTransThresh_Kph_f32	0			
k_NormalModeAssistSlew_UlspS_f32	0.100000001			
k_NormalModeEngTransThresh_Rpm_f32	0			
k_NormalModeVehSpdTransThresh_Kph_f32	0			
k_StopMode1AssistSlew_UlspS_f32	0.100000001			
k_StopMode1HwTrqTransThresh_HwNm_f32	0			
k_StopMode1HwVelTransThresh_HwDegpS_f32	0			
k_StopMode1Timer_Sec_u16	0			
k_StopMode1VehSpdTransThres_Kph_f32	0			
k_StopMode2AssistSlew_UlspS_f32	0.100000001			
k_StopMode2HwTrqTransThresh_HwNm_f32	0			
k_StopMode2HwVelTransThresh_HwDegpS_f32	0			
k_StopMode2Timer_Sec_u16	0			
k_StopMode2VehSpdTransThresh_Kph_f32	0			
k_StopModeAssistDD_Uls_f32	0			
target_DtrmnElapsedTime_mS_u32_ElapsedTime	0			
target_GetSystemTime_mS_u32_CurrentTime	0			
target_Rte_Inst_Ap_GMStrtStop.StrtStop_Per1_APASState_State_enum	target_StrtStop_Per1_APASState_State_enum			
target_Rte_Inst_Ap_GMStrtStop.StrtStop_Per1_EngSpd_Rpm_f32	target_StrtStop_Per1_EngSpd_Rpm_f32			
target_Rte_Inst_Ap_GMStrtStop.StrtStop_Per1_HandwheelVelocity_HwRadpS_f32	target_StrtStop_Per1_HandwheelVelocity_HwRadpS_f32			
target_Rte_Inst_Ap_GMStrtStop.StrtStop_Per1_HwTorque_HwNm_f32	target_StrtStop_Per1_HwTorque_HwNm_f32			
target_Rte_Inst_Ap_GMStrtStop.StrtStop_Per1_SS12VFault_Cnt_lgc	target_StrtStop_Per1_SS12VFault_Cnt_lgc			
target_Rte_Inst_Ap_GMStrtStop.StrtStop_Per1_SSScale_Uls_f32	target_StrtStop_Per1_SSScale_Uls_f32			
target_Rte_Inst_Ap_GMStrtStop.StrtStop_Per1_SSSlew_UlspS_f32	target_StrtStop_Per1_SSSlew_UlspS_f32			
target_Rte_Inst_Ap_GMStrtStop.StrtStop_Per1_SSState_State_enum	target_StrtStop_Per1_SSState_State_enum			
target_Rte_Inst_Ap_GMStrtStop.StrtStop_Per1_VehicleSpeed_Kph_f32	target_StrtStop_Per1_VehicleSpeed_Kph_f32			
target_StrtStop_Per1_APASState_State_enum.value	0			
target_StrtStop_Per1_EngSpd_Rpm_f32.value	0			
target_StrtStop_Per1_HandwheelVelocity_HwRadpS_f32.value	-100			
target_StrtStop_Per1_HwTorque_HwNm_f32.value	-10			
target_StrtStop_Per1_SS12VFault_Cnt_lgc.value	0			
target_StrtStop_Per1_VehicleSpeed_Kph_f32.value	0			
Name	Actual Value	Expected Value	Result	
StrtStop_SSScale_Uls_M_f32	1	1	✓	
StrtStop_SSSlewRatePrev_UlspS_M_f32	0.100000001	0.100000001 ± 0.1	✓	
StrtStop_StOpModePrevPrev_Cnt_M_enum	0	0	✓	
StrtStop_StOpModePrev_Cnt_M_enum	5	5	✓	
StrtStop_StOpMode_Cnt_M_enum	5	5	✓	
StrtStop_StopModeTimer1_mS_M_u32	0	0	✓	
StrtStop_StopModeTimer2_mS_M_u32	0	0	✓	
target_StrtStop_Per1_SSScale_Uls_f32.value	1	1 ± 0.0001	✓	
target_StrtStop_Per1_SSSlew_UlspS_f32.value	0.100000001	0.100000001 ± 0.1	✓	
target_StrtStop_Per1_SSState_State_enum.value	5	5	✓	

Test Step Call Trace				
Actual Function	Count	Expected Function	Count	Result
PreviousStCalc	1	PreviousStCalc	1	✓
SlewRateCalc	1	SlewRateCalc	1	✓

# TEST DETAILS REPORT

2016-07-18, 16:07:36+0530



StrtStop\_Per1

Test Step 2.2 (Repeat Count = 1)				
Name	Input Value			
DtrmnElapsedTime_mS_u32(ElapsedTime)	target_DtrmnElapsedTime_mS_u32_ElapsedTime			
GetSystemTime_mS_u32(CurrentTime)	target_GetSystemTime_mS_u32_CurrentTime			
Rte_Inst_Ap_GMStrtStop	target_Rte_Inst_Ap_GMStrtStop			
StrtStop_SSScale_Uls_M_f32	1			
StrtStop_SSSlewRatePrev_UlspS_M_f32	500			
StrtStop_StOpModePrevPrev_Cnt_M_enum	5			
StrtStop_StOpModePrev_Cnt_M_enum	5			
StrtStop_StOpMode_Cnt_M_enum	5			
StrtStop_StopModeTimer1_mS_M_u32	4294967295			
StrtStop_StopModeTimer2_mS_M_u32	4294967295			
k_AlgEnable_Cnt_lgc	1			
k_FltRspRampDnRt_UlspS_f32	500			
k_Mode1AssistDD_Uls_f32	1			
k_Mode1AssistSlew_UlspS_f32	500			
k_Mode1EngTransThresh_Rpm_f32	16383.75			
k_Mode1VehSpdTransThresh_Kph_f32	200			
k_Mode2AssistDD_Uls_f32	1			
k_Mode2AssistSlew_UlspS_f32	500			
k_Mode2VehSpdTransThresh_Kph_f32	200			
k_NormalModeAssistSlew_UlspS_f32	500			
k_NormalModeEngTransThresh_Rpm_f32	16383.75			
k_NormalModeVehSpdTransThresh_Kph_f32	200			
k_StopMode1AssistSlew_UlspS_f32	500			
k_StopMode1HwTrqTransThresh_HwNm_f32	10			
k_StopMode1HwVelTransThresh_HwDegpS_f32	250			
k_StopMode1Timer_Sec_u16	5			
k_StopMode1VehSpdTransThres_Kph_f32	200			
k_StopMode2AssistSlew_UlspS_f32	500			
k_StopMode2HwTrqTransThresh_HwNm_f32	10			
k_StopMode2HwVelTransThresh_HwDegpS_f32	250			
k_StopMode2Timer_Sec_u16	5			
k_StopMode2VehSpdTransThresh_Kph_f32	200			
k_StopModeAssistDD_Uls_f32	1			
target_DtrmnElapsedTime_mS_u32_ElapsedTime	4294967295			
target_GetSystemTime_mS_u32_CurrentTime	4294967295			
target_Rte_Inst_Ap_GMStrtStop.StrtStop_Per1_APASState_State_enum	target_StrtStop_Per1_APASState_State_enum			
target_Rte_Inst_Ap_GMStrtStop.StrtStop_Per1_EngSpd_Rpm_f32	target_StrtStop_Per1_EngSpd_Rpm_f32			
target_Rte_Inst_Ap_GMStrtStop.StrtStop_Per1_HandwheelVelocity_HwRadpS_f32	target_StrtStop_Per1_HandwheelVelocity_HwRadpS_f32			
target_Rte_Inst_Ap_GMStrtStop.StrtStop_Per1_HwTorque_HwNm_f32	target_StrtStop_Per1_HwTorque_HwNm_f32			
target_Rte_Inst_Ap_GMStrtStop.StrtStop_Per1_SS12VFault_Cnt_lgc	target_StrtStop_Per1_SS12VFault_Cnt_lgc			
target_Rte_Inst_Ap_GMStrtStop.StrtStop_Per1_SSScale_Uls_f32	target_StrtStop_Per1_SSScale_Uls_f32			
target_Rte_Inst_Ap_GMStrtStop.StrtStop_Per1_SSSlew_UlspS_f32	target_StrtStop_Per1_SSSlew_UlspS_f32			
target_Rte_Inst_Ap_GMStrtStop.StrtStop_Per1_SSState_State_enum	target_StrtStop_Per1_SSState_State_enum			
target_Rte_Inst_Ap_GMStrtStop.StrtStop_Per1_VehicleSpeed_Kph_f32	target_StrtStop_Per1_VehicleSpeed_Kph_f32			
target_StrtStop_Per1_APASState_State_enum.value	4			
target_StrtStop_Per1_EngSpd_Rpm_f32.value	16383.75			
target_StrtStop_Per1_HandwheelVelocity_HwRadpS_f32.value	100			
target_StrtStop_Per1_HwTorque_HwNm_f32.value	10			
target_StrtStop_Per1_SS12VFault_Cnt_lgc.value	1			
target_StrtStop_Per1_VehicleSpeed_Kph_f32.value	200			
Name	Actual Value	Expected Value	Result	
StrtStop_SSScale_Uls_M_f32	1	1	✓	
StrtStop_SSSlewRatePrev_UlspS_M_f32	1	1 ± 0.1	✓	
StrtStop_StOpModePrevPrev_Cnt_M_enum	5	5	✓	
StrtStop_StOpModePrev_Cnt_M_enum	4	4	✓	
StrtStop_StOpMode_Cnt_M_enum	4	4	✓	
StrtStop_StopModeTimer1_mS_M_u32	4294967295	4294967295	✓	
StrtStop_StopModeTimer2_mS_M_u32	4294967295	4294967295	✓	
target_StrtStop_Per1_SSScale_Uls_f32.value	1	1 ± 0.0001	✓	
target_StrtStop_Per1_SSSlew_UlspS_f32.value	1	1 ± 0.1	✓	
target_StrtStop_Per1_SSState_State_enum.value	4	4	✓	

Test Step Call Trace				
Actual Function	Count	Expected Function	Count	Result
PreviousStCalc	1	PreviousStCalc	1	✓
SlewRateCalc	1	SlewRateCalc	1	✓

# TEST DETAILS REPORT

2016-07-18, 16:07:36+0530



StrtStop\_Per1

Test Step 2.3 (Repeat Count = 1)				
Name	Input Value			
DtrmnElapsedTime_mS_u32(ElapsedTime)	target_DtrmnElapsedTime_mS_u32_ElapsedTime			
GetSystemTime_mS_u32(CurrentTime)	target_GetSystemTime_mS_u32_CurrentTime			
Rte_Inst_Ap_GMStrtStop	target_Rte_Inst_Ap_GMStrtStop			
StrtStop_SSScale_Uls_M_f32	0.272700012			
StrtStop_SSSlewRatePrev_UlspS_M_f32	170.376907			
StrtStop_StOpModePrevPrev_Cnt_M_enum	5			
StrtStop_StOpModePrev_Cnt_M_enum	4			
StrtStop_StOpMode_Cnt_M_enum	4			
StrtStop_StopModeTimer1_mS_M_u32	3544497920			
StrtStop_StopModeTimer2_mS_M_u32	3120887040			
k_AlgEnable_Cnt_lgc	0			
k_FltRspRampDnRt_UlspS_f32	156.835999			
k_Mode1AssistDD_Uls_f32	0.694800019			
k_Mode1AssistSlew_UlspS_f32	343.070801			
k_Mode1EngTransThresh_Rpm_f32	1623.55383			
k_Mode1VehSpdTransThresh_Kph_f32	119.258698			
k_Mode2AssistDD_Uls_f32	1			
k_Mode2AssistSlew_UlspS_f32	406.328308			
k_Mode2VehSpdTransThresh_Kph_f32	89.2451019			
k_NormalModeAssistSlew_UlspS_f32	191.653			
k_NormalModeEngTransThresh_Rpm_f32	11770.9424			
k_NormalModeVehSpdTransThresh_Kph_f32	176.283203			
k_StopMode1AssistSlew_UlspS_f32	192.022995			
k_StopMode1HwTrqTransThresh_HwNm_f32	8.35239983			
k_StopMode1HwVelTransThresh_HwDegpS_f32	198.067001			
k_StopMode1Timer_Sec_u16	3			
k_StopMode1VehSpdTransThres_Kph_f32	13.1012001			
k_StopMode2AssistSlew_UlspS_f32	421.393097			
k_StopMode2HwTrqTransThresh_HwNm_f32	10			
k_StopMode2HwVelTransThresh_HwDegpS_f32	10.9616003			
k_StopMode2Timer_Sec_u16	5			
k_StopMode2VehSpdTransThresh_Kph_f32	107.669296			
k_StopModeAssistDD_Uls_f32	1			
target_DtrmnElapsedTime_mS_u32_ElapsedTime	2350			
target_GetSystemTime_mS_u32_CurrentTime	100			
target_Rte_Inst_Ap_GMStrtStop.StrtStop_Per1_APASState_State_enum	target_StrtStop_Per1_APASState_State_enum			
target_Rte_Inst_Ap_GMStrtStop.StrtStop_Per1_EngSpd_Rpm_f32	target_StrtStop_Per1_EngSpd_Rpm_f32			
target_Rte_Inst_Ap_GMStrtStop.StrtStop_Per1_HandwheelVelocity_HwRadpS_f32	target_StrtStop_Per1_HandwheelVelocity_HwRadpS_f32			
target_Rte_Inst_Ap_GMStrtStop.StrtStop_Per1_HwTorque_HwNm_f32	target_StrtStop_Per1_HwTorque_HwNm_f32			
target_Rte_Inst_Ap_GMStrtStop.StrtStop_Per1_SS12VFault_Cnt_lgc	target_StrtStop_Per1_SS12VFault_Cnt_lgc			
target_Rte_Inst_Ap_GMStrtStop.StrtStop_Per1_SSScale_Uls_f32	target_StrtStop_Per1_SSScale_Uls_f32			
target_Rte_Inst_Ap_GMStrtStop.StrtStop_Per1_SSSlew_UlspS_f32	target_StrtStop_Per1_SSSlew_UlspS_f32			
target_Rte_Inst_Ap_GMStrtStop.StrtStop_Per1_SSState_State_enum	target_StrtStop_Per1_SSState_State_enum			
target_Rte_Inst_Ap_GMStrtStop.StrtStop_Per1_VehicleSpeed_Kph_f32	target_StrtStop_Per1_VehicleSpeed_Kph_f32			
target_StrtStop_Per1_APASState_State_enum.value	0			
target_StrtStop_Per1_EngSpd_Rpm_f32.value	307.351013			
target_StrtStop_Per1_HandwheelVelocity_HwRadpS_f32.value	59.4327011			
target_StrtStop_Per1_HwTorque_HwNm_f32.value	-1.49779999			
target_StrtStop_Per1_SS12VFault_Cnt_lgc.value	0			
target_StrtStop_Per1_VehicleSpeed_Kph_f32.value	37.0290985			
Name	Actual Value	Expected Value	Result	
StrtStop_SSScale_Uls_M_f32	1	1	✓	
StrtStop_SSSlewRatePrev_UlspS_M_f32	156.835999	156.835999 ± 0.1	✓	
StrtStop_StOpModePrevPrev_Cnt_M_enum	4	4	✓	
StrtStop_StOpModePrev_Cnt_M_enum	5	5	✓	
StrtStop_StOpMode_Cnt_M_enum	5	5	✓	
StrtStop_StopModeTimer1_mS_M_u32	3544497920	3544497920	✓	
StrtStop_StopModeTimer2_mS_M_u32	3120887040	3120887040	✓	
target_StrtStop_Per1_SSScale_Uls_f32.value	1	1 ± 0.0001	✓	
target_StrtStop_Per1_SSSlew_UlspS_f32.value	156.835999	156.835999 ± 0.1	✓	
target_StrtStop_Per1_SSState_State_enum.value	5	5	✓	

Test Step Call Trace				
Actual Function	Count	Expected Function	Count	Result
PreviousStCalc	1	PreviousStCalc	1	✓
SlewRateCalc	1	SlewRateCalc	1	✓

# TEST DETAILS REPORT

2016-07-18, 16:07:36+0530



StrtStop\_Per1

Test Step 2.4 (Repeat Count = 1)				
Name	Input Value			
DtrmnElapsedTime_mS_u32(ElapsedTime)	target_DtrmnElapsedTime_mS_u32_ElapsedTime			
GetSystemTime_mS_u32(CurrentTime)	target_GetSystemTime_mS_u32_CurrentTime			
Rte_Inst_Ap_GMStrtStop	target_Rte_Inst_Ap_GMStrtStop			
StrtStop_SSScale_Uls_M_f32	1			
StrtStop_SSSlewRatePrev_UlspS_M_f32	76.4660034			
StrtStop_StOpModePrevPrev_Cnt_M_enum	0			
StrtStop_StOpModePrev_Cnt_M_enum	4			
StrtStop_StOpMode_Cnt_M_enum	2			
StrtStop_StopModeTimer1_mS_M_u32	1334609408			
StrtStop_StopModeTimer2_mS_M_u32	128181248			
k_AlgEnable_Cnt_lgc	1			
k_FltRspRampDnRt_UlspS_f32	282.30249			
k_Mode1AssistDD_Uls_f32	0.0983000025			
k_Mode1AssistSlew_UlspS_f32	417.655304			
k_Mode1EngTransThresh_Rpm_f32	10812.7471			
k_Mode1VehSpdTransThresh_Kph_f32	171.329697			
k_Mode2AssistDD_Uls_f32	1			
k_Mode2AssistSlew_UlspS_f32	350.295105			
k_Mode2VehSpdTransThresh_Kph_f32	123.894302			
k_NormalModeAssistSlew_UlspS_f32	179.502396			
k_NormalModeEngTransThresh_Rpm_f32	13478.0977			
k_NormalModeVehSpdTransThresh_Kph_f32	43.3170013			
k_StopMode1AssistSlew_UlspS_f32	8.34829998			
k_StopMode1HwTrqTransThresh_HwNm_f32	9.56949997			
k_StopMode1HwVelTransThresh_HwDegpS_f32	146.798706			
k_StopMode1Timer_Sec_u16	5			
k_StopMode1VehSpdTransThresh_Kph_f32	62.7015991			
k_StopMode2AssistSlew_UlspS_f32	46.0293007			
k_StopMode2HwTrqTransThresh_HwNm_f32	1.72249997			
k_StopMode2HwVelTransThresh_HwDegpS_f32	162.882401			
k_StopMode2Timer_Sec_u16	0			
k_StopMode2VehSpdTransThresh_Kph_f32	83.7605972			
k_StopModeAssistDD_Uls_f32	1			
target_DtrmnElapsedTime_mS_u32_ElapsedTime	7500			
target_GetSystemTime_mS_u32_CurrentTime	1450			
target_Rte_Inst_Ap_GMStrtStop.StrtStop_Per1_APASState_State_enum	target_StrtStop_Per1_APASState_State_enum			
target_Rte_Inst_Ap_GMStrtStop.StrtStop_Per1_EngSpd_Rpm_f32	target_StrtStop_Per1_EngSpd_Rpm_f32			
target_Rte_Inst_Ap_GMStrtStop.StrtStop_Per1_HandwheelVelocity_HwRadpS_f32	target_StrtStop_Per1_HandwheelVelocity_HwRadpS_f32			
target_Rte_Inst_Ap_GMStrtStop.StrtStop_Per1_HwTorque_HwNm_f32	target_StrtStop_Per1_HwTorque_HwNm_f32			
target_Rte_Inst_Ap_GMStrtStop.StrtStop_Per1_SS12VFault_Cnt_lgc	target_StrtStop_Per1_SS12VFault_Cnt_lgc			
target_Rte_Inst_Ap_GMStrtStop.StrtStop_Per1_SSScale_Uls_f32	target_StrtStop_Per1_SSScale_Uls_f32			
target_Rte_Inst_Ap_GMStrtStop.StrtStop_Per1_SSSlew_UlspS_f32	target_StrtStop_Per1_SSSlew_UlspS_f32			
target_Rte_Inst_Ap_GMStrtStop.StrtStop_Per1_SSState_State_enum	target_StrtStop_Per1_SSState_State_enum			
target_Rte_Inst_Ap_GMStrtStop.StrtStop_Per1_VehicleSpeed_Kph_f32	target_StrtStop_Per1_VehicleSpeed_Kph_f32			
target_StrtStop_Per1_APASState_State_enum.value	1			
target_StrtStop_Per1_EngSpd_Rpm_f32.value	3446.8374			
target_StrtStop_Per1_HandwheelVelocity_HwRadpS_f32.value	-23.6994991			
target_StrtStop_Per1_HwTorque_HwNm_f32.value	7.04300022			
target_StrtStop_Per1_SS12VFault_Cnt_lgc.value	0			
target_StrtStop_Per1_VehicleSpeed_Kph_f32.value	47.6209984			
Name	Actual Value	Expected Value	Result	
StrtStop_SSScale_Uls_M_f32	1	1	✓	
StrtStop_SSSlewRatePrev_UlspS_M_f32	282.30249	282.30249 ± 0.1	✓	
StrtStop_StOpModePrevPrev_Cnt_M_enum	4	4	✓	
StrtStop_StOpModePrev_Cnt_M_enum	2	2	✓	
StrtStop_StOpMode_Cnt_M_enum	2	2	✓	
StrtStop_StopModeTimer1_mS_M_u32	1334609408	1334609408	✓	
StrtStop_StopModeTimer2_mS_M_u32	128181248	128181248	✓	
target_StrtStop_Per1_SSScale_Uls_f32.value	1	1 ± 0.0001	✓	
target_StrtStop_Per1_SSSlew_UlspS_f32.value	282.30249	282.30249 ± 0.1	✓	
target_StrtStop_Per1_SSState_State_enum.value	2	2	✓	

Test Step Call Trace				
Actual Function	Count	Expected Function	Count	Result
PreviousStCalc	1	PreviousStCalc	1	✓
SlewRateCalc	1	SlewRateCalc	1	✓



# TEST DETAILS REPORT

2016-07-18, 16:07:36+0530



StrtStop\_Per1

Test Step 2.5 (Repeat Count = 1)				
Name	Input Value			
DtrmnElapsedTime_mS_u32(ElapsedTime)	target_DtrmnElapsedTime_mS_u32_ElapsedTime			
GetSystemTime_mS_u32(CurrentTime)	target_GetSystemTime_mS_u32_CurrentTime			
Rte_Inst_Ap_GMStrtStop	target_Rte_Inst_Ap_GMStrtStop			
StrtStop_SSScale_Uls_M_f32	0.52579999			
StrtStop_SSSlewRatePrev_UlspS_M_f32	453.798889			
StrtStop_StOpModePrevPrev_Cnt_M_enum	1			
StrtStop_StOpModePrev_Cnt_M_enum	2			
StrtStop_StOpMode_Cnt_M_enum	2			
StrtStop_StopModeTimer1_mS_M_u32	2526097664			
StrtStop_StopModeTimer2_mS_M_u32	2302875392			
k_AlgEnable_Cnt_lgc	1			
k_FltRspRampDnRt_UlspS_f32	217.223007			
k_Mode1AssistDD_Uls_f32	1			
k_Mode1AssistSlew_UlspS_f32	170.880798			
k_Mode1EngTransThresh_Rpm_f32	12757.5186			
k_Mode1VehSpdTransThresh_Kph_f32	110.697098			
k_Mode2AssistDD_Uls_f32	1			
k_Mode2AssistSlew_UlspS_f32	130.949402			
k_Mode2VehSpdTransThresh_Kph_f32	188.056198			
k_NormalModeAssistSlew_UlspS_f32	207.608093			
k_NormalModeEngTransThresh_Rpm_f32	5795.51416			
k_NormalModeVehSpdTransThresh_Kph_f32	38.9273987			
k_StopMode1AssistSlew_UlspS_f32	417.240692			
k_StopMode1HwTrqTransThresh_HwNm_f32	9.09179974			
k_StopMode1HwVelTransThresh_HwDegpS_f32	224.356796			
k_StopMode1Timer_Sec_u16	3			
k_StopMode1VehSpdTransThres_Kph_f32	135.007599			
k_StopMode2AssistSlew_UlspS_f32	5.19859982			
k_StopMode2HwTrqTransThresh_HwNm_f32	4.05989981			
k_StopMode2HwVelTransThresh_HwDegpS_f32	211.678406			
k_StopMode2Timer_Sec_u16	4			
k_StopMode2VehSpdTransThresh_Kph_f32	87.1659012			
k_StopModeAssistDD_Uls_f32	1			
target_DtrmnElapsedTime_mS_u32_ElapsedTime	12650			
target_GetSystemTime_mS_u32_CurrentTime	2800			
target_Rte_Inst_Ap_GMStrtStop.StrtStop_Per1_APASState_State_enum	target_StrtStop_Per1_APASState_State_enum			
target_Rte_Inst_Ap_GMStrtStop.StrtStop_Per1_EngSpd_Rpm_f32	target_StrtStop_Per1_EngSpd_Rpm_f32			
target_Rte_Inst_Ap_GMStrtStop.StrtStop_Per1_HandwheelVelocity_HwRadpS_f32	target_StrtStop_Per1_HandwheelVelocity_HwRadpS_f32			
target_Rte_Inst_Ap_GMStrtStop.StrtStop_Per1_HwTorque_HwNm_f32	target_StrtStop_Per1_HwTorque_HwNm_f32			
target_Rte_Inst_Ap_GMStrtStop.StrtStop_Per1_SS12VFault_Cnt_lgc	target_StrtStop_Per1_SS12VFault_Cnt_lgc			
target_Rte_Inst_Ap_GMStrtStop.StrtStop_Per1_SSScale_Uls_f32	target_StrtStop_Per1_SSScale_Uls_f32			
target_Rte_Inst_Ap_GMStrtStop.StrtStop_Per1_SSSlew_UlspS_f32	target_StrtStop_Per1_SSSlew_UlspS_f32			
target_Rte_Inst_Ap_GMStrtStop.StrtStop_Per1_SSState_State_enum	target_StrtStop_Per1_SSState_State_enum			
target_Rte_Inst_Ap_GMStrtStop.StrtStop_Per1_VehicleSpeed_Kph_f32	target_StrtStop_Per1_VehicleSpeed_Kph_f32			
target_StrtStop_Per1_APASState_State_enum.value	2			
target_StrtStop_Per1_EngSpd_Rpm_f32.value	1211.70679			
target_StrtStop_Per1_HandwheelVelocity_HwRadpS_f32.value	-6.81960011			
target_StrtStop_Per1_HwTorque_HwNm_f32.value	5.57740021			
target_StrtStop_Per1_SS12VFault_Cnt_lgc.value	1			
target_StrtStop_Per1_VehicleSpeed_Kph_f32.value	186.015594			
Name	Actual Value	Expected Value	Result	
StrtStop_SSScale_Uls_M_f32	1	1	✓	
StrtStop_SSSlewRatePrev_UlspS_M_f32	453.798889	453.798889 ± 0.1	✓	
StrtStop_StOpModePrevPrev_Cnt_M_enum	2	2	✓	
StrtStop_StOpModePrev_Cnt_M_enum	4	4	✓	
StrtStop_StOpMode_Cnt_M_enum	4	4	✓	
StrtStop_StopModeTimer1_mS_M_u32	2526097664	2526097664	✓	
StrtStop_StopModeTimer2_mS_M_u32	2302875392	2302875392	✓	
target_StrtStop_Per1_SSScale_Uls_f32.value	1	1 ± 0.0001	✓	
target_StrtStop_Per1_SSSlew_UlspS_f32.value	453.798889	453.798889 ± 0.1	✓	
target_StrtStop_Per1_SSState_State_enum.value	4	4	✓	

Test Step Call Trace				
Actual Function	Count	Expected Function	Count	Result
PreviousStCalc	1	PreviousStCalc	1	✓
SlewRateCalc	1	SlewRateCalc	1	✓

# TEST DETAILS REPORT

2016-07-18, 16:07:36+0530



StrtStop\_Per1

Test Step 2.6 (Repeat Count = 1) ✓				
Name	Input Value			
DtrmnElapsedTime_mS_u32(ElapsedTime)	target_DtrmnElapsedTime_mS_u32_ElapsedTime			
GetSystemTime_mS_u32(CurrentTime)	target_GetSystemTime_mS_u32_CurrentTime			
Rte_Inst_Ap_GMStrtStop	target_Rte_Inst_Ap_GMStrtStop			
StrtStop_SSScale_Uls_M_f32	1			
StrtStop_SSSlewRatePrev_UlspS_M_f32	76.4660034			
StrtStop_StOpModePrevPrev_Cnt_M_enum	0			
StrtStop_StOpModePrev_Cnt_M_enum	4			
StrtStop_StOpMode_Cnt_M_enum	2			
StrtStop_StopModeTimer1_mS_M_u32	1334609408			
StrtStop_StopModeTimer2_mS_M_u32	128181248			
k_AlgEnable_Cnt_lgc	1			
k_FltRspRampDnRt_UlspS_f32	282.30249			
k_Mode1AssistDD_Uls_f32	0.0983000025			
k_Mode1AssistSlew_UlspS_f32	417.655304			
k_Mode1EngTransThresh_Rpm_f32	10812.7471			
k_Mode1VehSpdTransThresh_Kph_f32	171.329697			
k_Mode2AssistDD_Uls_f32	1			
k_Mode2AssistSlew_UlspS_f32	350.295105			
k_Mode2VehSpdTransThresh_Kph_f32	123.894302			
k_NormalModeAssistSlew_UlspS_f32	179.502396			
k_NormalModeEngTransThresh_Rpm_f32	13478.0977			
k_NormalModeVehSpdTransThresh_Kph_f32	43.3170013			
k_StopMode1AssistSlew_UlspS_f32	8.34829998			
k_StopMode1HwTrqTransThresh_HwNm_f32	9.56949997			
k_StopMode1HwVelTransThresh_HwDegpS_f32	146.798706			
k_StopMode1Timer_Sec_u16	5			
k_StopMode1VehSpdTransThres_Kph_f32	62.7015991			
k_StopMode2AssistSlew_UlspS_f32	46.0293007			
k_StopMode2HwTrqTransThresh_HwNm_f32	1.72249997			
k_StopMode2HwVelTransThresh_HwDegpS_f32	162.882401			
k_StopMode2Timer_Sec_u16	0			
k_StopMode2VehSpdTransThresh_Kph_f32	83.7605972			
k_StopModeAssistDD_Uls_f32	1			
target_DtrmnElapsedTime_mS_u32_ElapsedTime	17800			
target_GetSystemTime_mS_u32_CurrentTime	4150			
target_Rte_Inst_Ap_GMStrtStop.StrtStop_Per1_APASState_State_enum	target_StrtStop_Per1_APASState_State_enum			
target_Rte_Inst_Ap_GMStrtStop.StrtStop_Per1_EngSpd_Rpm_f32	target_StrtStop_Per1_EngSpd_Rpm_f32			
target_Rte_Inst_Ap_GMStrtStop.StrtStop_Per1_HandwheelVelocity_HwRadpS_f32	target_StrtStop_Per1_HandwheelVelocity_HwRadpS_f32			
target_Rte_Inst_Ap_GMStrtStop.StrtStop_Per1_HwTorque_HwNm_f32	target_StrtStop_Per1_HwTorque_HwNm_f32			
target_Rte_Inst_Ap_GMStrtStop.StrtStop_Per1_SS12VFault_Cnt_lgc	target_StrtStop_Per1_SS12VFault_Cnt_lgc			
target_Rte_Inst_Ap_GMStrtStop.StrtStop_Per1_SSScale_Uls_f32	target_StrtStop_Per1_SSScale_Uls_f32			
target_Rte_Inst_Ap_GMStrtStop.StrtStop_Per1_SSSlew_UlspS_f32	target_StrtStop_Per1_SSSlew_UlspS_f32			
target_Rte_Inst_Ap_GMStrtStop.StrtStop_Per1_SSState_State_enum	target_StrtStop_Per1_SSState_State_enum			
target_Rte_Inst_Ap_GMStrtStop.StrtStop_Per1_VehicleSpeed_Kph_f32	target_StrtStop_Per1_VehicleSpeed_Kph_f32			
target_StrtStop_Per1_APASState_State_enum.value	3			
target_StrtStop_Per1_EngSpd_Rpm_f32.value	3446.8374			
target_StrtStop_Per1_HandwheelVelocity_HwRadpS_f32.value	-23.6994991			
target_StrtStop_Per1_HwTorque_HwNm_f32.value	7.04300022			
target_StrtStop_Per1_SS12VFault_Cnt_lgc.value	0			
target_StrtStop_Per1_VehicleSpeed_Kph_f32.value	47.6209984			
Name	Actual Value	Expected Value	Result	
StrtStop_SSScale_Uls_M_f32	1	1	✓	
StrtStop_SSSlewRatePrev_UlspS_M_f32	282.30249	282.30249 ± 0.1	✓	
StrtStop_StOpModePrevPrev_Cnt_M_enum	4	4	✓	
StrtStop_StOpModePrev_Cnt_M_enum	2	2	✓	
StrtStop_StOpMode_Cnt_M_enum	2	2	✓	
StrtStop_StopModeTimer1_mS_M_u32	1334609408	1334609408	✓	
StrtStop_StopModeTimer2_mS_M_u32	128181248	128181248	✓	
target_StrtStop_Per1_SSScale_Uls_f32.value	1	1 ± 0.0001	✓	
target_StrtStop_Per1_SSSlew_UlspS_f32.value	282.30249	282.30249 ± 0.1	✓	
target_StrtStop_Per1_SSState_State_enum.value	2	2	✓	

Test Step Call Trace ✓				
Actual Function	Count	Expected Function	Count	Result
PreviousStCalc	1	PreviousStCalc	1	✓
SlewRateCalc	1	SlewRateCalc	1	✓

# TEST DETAILS REPORT

2016-07-18, 16:07:36+0530



StrtStop\_Per1

Test Step 2.7 (Repeat Count = 1)				
Name	Input Value			
DtrmnElapsedTime_mS_u32(ElapsedTime)	target_DtrmnElapsedTime_mS_u32_ElapsedTime			
GetSystemTime_mS_u32(CurrentTime)	target_GetSystemTime_mS_u32_CurrentTime			
Rte_Inst_Ap_GMStrtStop	target_Rte_Inst_Ap_GMStrtStop			
StrtStop_SSScale_Uls_M_f32	0.52579999			
StrtStop_SSSlewRatePrev_UlspS_M_f32	453.798889			
StrtStop_StOpModePrevPrev_Cnt_M_enum	1			
StrtStop_StOpModePrev_Cnt_M_enum	2			
StrtStop_StOpMode_Cnt_M_enum	2			
StrtStop_StopModeTimer1_mS_M_u32	2526097664			
StrtStop_StopModeTimer2_mS_M_u32	2302875392			
k_AlgEnable_Cnt_lgc	1			
k_FltRspRampDnRt_UlspS_f32	217.223007			
k_Mode1AssistDD_Uls_f32	1			
k_Mode1AssistSlew_UlspS_f32	170.880798			
k_Mode1EngTransThresh_Rpm_f32	12757.5186			
k_Mode1VehSpdTransThresh_Kph_f32	110.697098			
k_Mode2AssistDD_Uls_f32	1			
k_Mode2AssistSlew_UlspS_f32	130.949402			
k_Mode2VehSpdTransThresh_Kph_f32	188.056198			
k_NormalModeAssistSlew_UlspS_f32	207.608093			
k_NormalModeEngTransThresh_Rpm_f32	5795.51416			
k_NormalModeVehSpdTransThresh_Kph_f32	38.9273987			
k_StopMode1AssistSlew_UlspS_f32	417.240692			
k_StopMode1HwTrqTransThresh_HwNm_f32	9.09179974			
k_StopMode1HwVelTransThresh_HwDegpS_f32	224.356796			
k_StopMode1Timer_Sec_u16	3			
k_StopMode1VehSpdTransThresh_Kph_f32	135.007599			
k_StopMode2AssistSlew_UlspS_f32	5.19859982			
k_StopMode2HwTrqTransThresh_HwNm_f32	4.05989981			
k_StopMode2HwVelTransThresh_HwDegpS_f32	211.678406			
k_StopMode2Timer_Sec_u16	4			
k_StopMode2VehSpdTransThresh_Kph_f32	87.1659012			
k_StopModeAssistDD_Uls_f32	1			
target_DtrmnElapsedTime_mS_u32_ElapsedTime	22950			
target_GetSystemTime_mS_u32_CurrentTime	5500			
target_Rte_Inst_Ap_GMStrtStop.StrtStop_Per1_APASState_State_enum	target_StrtStop_Per1_APASState_State_enum			
target_Rte_Inst_Ap_GMStrtStop.StrtStop_Per1_EngSpd_Rpm_f32	target_StrtStop_Per1_EngSpd_Rpm_f32			
target_Rte_Inst_Ap_GMStrtStop.StrtStop_Per1_HandwheelVelocity_HwRadpS_f32	target_StrtStop_Per1_HandwheelVelocity_HwRadpS_f32			
target_Rte_Inst_Ap_GMStrtStop.StrtStop_Per1_HwTorque_HwNm_f32	target_StrtStop_Per1_HwTorque_HwNm_f32			
target_Rte_Inst_Ap_GMStrtStop.StrtStop_Per1_SS12VFault_Cnt_lgc	target_StrtStop_Per1_SS12VFault_Cnt_lgc			
target_Rte_Inst_Ap_GMStrtStop.StrtStop_Per1_SSScale_Uls_f32	target_StrtStop_Per1_SSScale_Uls_f32			
target_Rte_Inst_Ap_GMStrtStop.StrtStop_Per1_SSSlew_UlspS_f32	target_StrtStop_Per1_SSSlew_UlspS_f32			
target_Rte_Inst_Ap_GMStrtStop.StrtStop_Per1_SSState_State_enum	target_StrtStop_Per1_SSState_State_enum			
target_Rte_Inst_Ap_GMStrtStop.StrtStop_Per1_VehicleSpeed_Kph_f32	target_StrtStop_Per1_VehicleSpeed_Kph_f32			
target_StrtStop_Per1_APASState_State_enum.value	4			
target_StrtStop_Per1_EngSpd_Rpm_f32.value	1211.70679			
target_StrtStop_Per1_HandwheelVelocity_HwRadpS_f32.value	-6.81960011			
target_StrtStop_Per1_HwTorque_HwNm_f32.value	5.57740021			
target_StrtStop_Per1_SS12VFault_Cnt_lgc.value	1			
target_StrtStop_Per1_VehicleSpeed_Kph_f32.value	186.015594			
Name	Actual Value	Expected Value	Result	
StrtStop_SSScale_Uls_M_f32	1	1	✓	
StrtStop_SSSlewRatePrev_UlspS_M_f32	217.223007	217.223007 ± 0.1	✓	
StrtStop_StOpModePrevPrev_Cnt_M_enum	2	2	✓	
StrtStop_StOpModePrev_Cnt_M_enum	4	4	✓	
StrtStop_StOpMode_Cnt_M_enum	4	4	✓	
StrtStop_StopModeTimer1_mS_M_u32	2526097664	2526097664	✓	
StrtStop_StopModeTimer2_mS_M_u32	2302875392	2302875392	✓	
target_StrtStop_Per1_SSScale_Uls_f32.value	1	1 ± 0.0001	✓	
target_StrtStop_Per1_SSSlew_UlspS_f32.value	217.223007	217.223007 ± 0.1	✓	
target_StrtStop_Per1_SSState_State_enum.value	4	4	✓	

Test Step Call Trace				
Actual Function	Count	Expected Function	Count	Result
PreviousStCalc	1	PreviousStCalc	1	✓
SlewRateCalc	1	SlewRateCalc	1	✓

# TEST DETAILS REPORT

2016-07-18, 16:07:36+0530



StrtStop\_Per1

Test Step 2.8 (Repeat Count = 1)				
Name	Input Value			
DtrmnElapsedTime_mS_u32(ElapsedTime)	target_DtrmnElapsedTime_mS_u32_ElapsedTime			
GetSystemTime_mS_u32(CurrentTime)	target_GetSystemTime_mS_u32_CurrentTime			
Rte_Inst_Ap_GMStrtStop	target_Rte_Inst_Ap_GMStrtStop			
StrtStop_SSScale_Uls_M_f32	1			
StrtStop_SSSlewRatePrev_UlspS_M_f32	255.943207			
StrtStop_StOpModePrevPrev_Cnt_M_enum	3			
StrtStop_StOpModePrev_Cnt_M_enum	0			
StrtStop_StOpMode_Cnt_M_enum	0			
StrtStop_StopModeTimer1_mS_M_u32	4260311040			
StrtStop_StopModeTimer2_mS_M_u32	3035725312			
k_AlgEnable_Cnt_lgc	1			
k_FltRspRampDnRt_UlspS_f32	198.545593			
k_Mode1AssistDD_Uls_f32	1			
k_Mode1AssistSlew_UlspS_f32	448.061401			
k_Mode1EngTransThresh_Rpm_f32	7478.229			
k_Mode1VehSpdTransThresh_Kph_f32	194.290802			
k_Mode2AssistDD_Uls_f32	0.306100011			
k_Mode2AssistSlew_UlspS_f32	417.316498			
k_Mode2VehSpdTransThresh_Kph_f32	182.179993			
k_NormalModeAssistSlew_UlspS_f32	117.023399			
k_NormalModeEngTransThresh_Rpm_f32	2733.0686			
k_NormalModeVehSpdTransThresh_Kph_f32	143.897995			
k_StopMode1AssistSlew_UlspS_f32	337.002106			
k_StopMode1HwTrqTransThresh_HwNm_f32	5.81640005			
k_StopMode1HwVelTransThresh_HwDegpS_f32	204.735397			
k_StopMode1Timer_Sec_u16	3			
k_StopMode1VehSpdTransThresh_Kph_f32	146.705002			
k_StopMode2AssistSlew_UlspS_f32	341.300812			
k_StopMode2HwTrqTransThresh_HwNm_f32	9.00580025			
k_StopMode2HwVelTransThresh_HwDegpS_f32	167.427795			
k_StopMode2Timer_Sec_u16	2			
k_StopMode2VehSpdTransThresh_Kph_f32	68.3498993			
k_StopModeAssistDD_Uls_f32	0.701799989			
target_DtrmnElapsedTime_mS_u32_ElapsedTime	28100			
target_GetSystemTime_mS_u32_CurrentTime	6850			
target_Rte_Inst_Ap_GMStrtStop.StrtStop_Per1_APASState_State_enum	target_StrtStop_Per1_APASState_State_enum			
target_Rte_Inst_Ap_GMStrtStop.StrtStop_Per1_EngSpd_Rpm_f32	target_StrtStop_Per1_EngSpd_Rpm_f32			
target_Rte_Inst_Ap_GMStrtStop.StrtStop_Per1_HandwheelVelocity_HwRadpS_f32	target_StrtStop_Per1_HandwheelVelocity_HwRadpS_f32			
target_Rte_Inst_Ap_GMStrtStop.StrtStop_Per1_HwTorque_HwNm_f32	target_StrtStop_Per1_HwTorque_HwNm_f32			
target_Rte_Inst_Ap_GMStrtStop.StrtStop_Per1_SS12VFault_Cnt_lgc	target_StrtStop_Per1_SS12VFault_Cnt_lgc			
target_Rte_Inst_Ap_GMStrtStop.StrtStop_Per1_SSScale_Uls_f32	target_StrtStop_Per1_SSScale_Uls_f32			
target_Rte_Inst_Ap_GMStrtStop.StrtStop_Per1_SSSlew_UlspS_f32	target_StrtStop_Per1_SSSlew_UlspS_f32			
target_Rte_Inst_Ap_GMStrtStop.StrtStop_Per1_SSState_State_enum	target_StrtStop_Per1_SSState_State_enum			
target_Rte_Inst_Ap_GMStrtStop.StrtStop_Per1_VehicleSpeed_Kph_f32	target_StrtStop_Per1_VehicleSpeed_Kph_f32			
target_StrtStop_Per1_APASState_State_enum.value	0			
target_StrtStop_Per1_EngSpd_Rpm_f32.value	0			
target_StrtStop_Per1_HandwheelVelocity_HwRadpS_f32.value	-75.9717026			
target_StrtStop_Per1_HwTorque_HwNm_f32.value	-0.809099972			
target_StrtStop_Per1_SS12VFault_Cnt_lgc.value	0			
target_StrtStop_Per1_VehicleSpeed_Kph_f32.value	51.7583008			
Name	Actual Value	Expected Value	Result	
StrtStop_SSScale_Uls_M_f32	1	1	✓	
StrtStop_SSSlewRatePrev_UlspS_M_f32	448.061401	448.061401 ± 0.1	✓	
StrtStop_StOpModePrevPrev_Cnt_M_enum	0	0	✓	
StrtStop_StOpModePrev_Cnt_M_enum	1	1	✓	
StrtStop_StOpMode_Cnt_M_enum	1	1	✓	
StrtStop_StopModeTimer1_mS_M_u32	6850	6850	✓	
StrtStop_StopModeTimer2_mS_M_u32	3035725312	3035725312	✓	
target_StrtStop_Per1_SSScale_Uls_f32.value	1	1 ± 0.0001	✓	
target_StrtStop_Per1_SSSlew_UlspS_f32.value	448.061401	448.061401 ± 0.1	✓	
target_StrtStop_Per1_SSState_State_enum.value	1	1	✓	

Test Step Call Trace				
Actual Function	Count	Expected Function	Count	Result
GetSystemTime_mS_u32	1	GetSystemTime_mS_u32	1	✓
PreviousStCalc	1	PreviousStCalc	1	✓
SlewRateCalc	1	SlewRateCalc	1	✓

# TEST DETAILS REPORT

2016-07-18, 16:07:36+0530



StrtStop\_Per1

Test Step 2.9 (Repeat Count = 1)				
Name	Input Value			
DtrmnElapsedTime_mS_u32(ElapsedTime)	target_DtrmnElapsedTime_mS_u32_ElapsedTime			
GetSystemTime_mS_u32(CurrentTime)	target_GetSystemTime_mS_u32_CurrentTime			
Rte_Inst_Ap_GMStrtStop	target_Rte_Inst_Ap_GMStrtStop			
StrtStop_SSScale_Uls_M_f32	0.420300007			
StrtStop_SSSlewRatePrev_UlspS_M_f32	395.05011			
StrtStop_StOpModePrevPrev_Cnt_M_enum	2			
StrtStop_StOpModePrev_Cnt_M_enum	2			
StrtStop_StOpMode_Cnt_M_enum	0			
StrtStop_StopModeTimer1_mS_M_u32	3264295680			
StrtStop_StopModeTimer2_mS_M_u32	1346521344			
k_AlgEnable_Cnt_lgc	1			
k_FltRspRampDnRt_UlspS_f32	238.894196			
k_Mode1AssistDD_Uls_f32	0.551999986			
k_Mode1AssistSlew_UlspS_f32	98.0671005			
k_Mode1EngTransThresh_Rpm_f32	146.037003			
k_Mode1VehSpdTransThresh_Kph_f32	75.1091995			
k_Mode2AssistDD_Uls_f32	0.747399986			
k_Mode2AssistSlew_UlspS_f32	266.243805			
k_Mode2VehSpdTransThresh_Kph_f32	180.167496			
k_NormalModeAssistSlew_UlspS_f32	0.598399997			
k_NormalModeEngTransThresh_Rpm_f32	11399.3818			
k_NormalModeVehSpdTransThresh_Kph_f32	93.7679977			
k_StopMode1AssistSlew_UlspS_f32	488.170898			
k_StopMode1HwTrqTransThresh_HwNm_f32	4.33050013			
k_StopMode1HwVelTransThresh_HwDegpS_f32	173.503906			
k_StopMode1Timer_Sec_u16	5			
k_StopMode1VehSpdTransThresh_Kph_f32	166.954102			
k_StopMode2AssistSlew_UlspS_f32	38.3325996			
k_StopMode2HwTrqTransThresh_HwNm_f32	4.35620022			
k_StopMode2HwVelTransThresh_HwDegpS_f32	166.330307			
k_StopMode2Timer_Sec_u16	5			
k_StopMode2VehSpdTransThresh_Kph_f32	188.285294			
k_StopModeAssistDD_Uls_f32	0.469399989			
target_DtrmnElapsedTime_mS_u32_ElapsedTime	33250			
target_GetSystemTime_mS_u32_CurrentTime	8200			
target_Rte_Inst_Ap_GMStrtStop.StrtStop_Per1_APASState_State_enum	target_StrtStop_Per1_APASState_State_enum			
target_Rte_Inst_Ap_GMStrtStop.StrtStop_Per1_EngSpd_Rpm_f32	target_StrtStop_Per1_EngSpd_Rpm_f32			
target_Rte_Inst_Ap_GMStrtStop.StrtStop_Per1_HandwheelVelocity_HwRadpS_f32	target_StrtStop_Per1_HandwheelVelocity_HwRadpS_f32			
target_Rte_Inst_Ap_GMStrtStop.StrtStop_Per1_HwTorque_HwNm_f32	target_StrtStop_Per1_HwTorque_HwNm_f32			
target_Rte_Inst_Ap_GMStrtStop.StrtStop_Per1_SS12VFault_Cnt_lgc	target_StrtStop_Per1_SS12VFault_Cnt_lgc			
target_Rte_Inst_Ap_GMStrtStop.StrtStop_Per1_SSScale_Uls_f32	target_StrtStop_Per1_SSScale_Uls_f32			
target_Rte_Inst_Ap_GMStrtStop.StrtStop_Per1_SSSlew_UlspS_f32	target_StrtStop_Per1_SSSlew_UlspS_f32			
target_Rte_Inst_Ap_GMStrtStop.StrtStop_Per1_SSState_State_enum	target_StrtStop_Per1_SSState_State_enum			
target_Rte_Inst_Ap_GMStrtStop.StrtStop_Per1_VehicleSpeed_Kph_f32	target_StrtStop_Per1_VehicleSpeed_Kph_f32			
target_StrtStop_Per1_APASState_State_enum.value	0			
target_StrtStop_Per1_EngSpd_Rpm_f32.value	16383.75			
target_StrtStop_Per1_HandwheelVelocity_HwRadpS_f32.value	-76.7904968			
target_StrtStop_Per1_HwTorque_HwNm_f32.value	-8.36240005			
target_StrtStop_Per1_SS12VFault_Cnt_lgc.value	0			
target_StrtStop_Per1_VehicleSpeed_Kph_f32.value	51.4380989			
Name	Actual Value	Expected Value	Result	
StrtStop_SSScale_Uls_M_f32	0.420300007	0.420300007	✓	
StrtStop_SSSlewRatePrev_UlspS_M_f32	0.598399997	0.598399997 ± 0.1	✓	
StrtStop_StOpModePrevPrev_Cnt_M_enum	2	2	✓	
StrtStop_StOpModePrev_Cnt_M_enum	0	0	✓	
StrtStop_StOpMode_Cnt_M_enum	0	0	✓	
StrtStop_StopModeTimer1_mS_M_u32	3264295680	3264295680	✓	
StrtStop_StopModeTimer2_mS_M_u32	1346521344	1346521344	✓	
target_StrtStop_Per1_SSScale_Uls_f32.value	0.420300007	0.420300007 ± 0.0001	✓	
target_StrtStop_Per1_SSSlew_UlspS_f32.value	0.598399997	0.598399997 ± 0.1	✓	
target_StrtStop_Per1_SSState_State_enum.value	0	0	✓	

Test Step Call Trace				
Actual Function	Count	Expected Function	Count	Result
PreviousStCalc	1	PreviousStCalc	1	✓
SlewRateCalc	1	SlewRateCalc	1	✓

# TEST DETAILS REPORT

2016-07-18, 16:07:36+0530



StrtStop\_Per1

## Test Step 2.10 (Repeat Count = 1)

Name	Input Value
DtrmnElapsedTime_mS_u32(ElapsedTime)	target_DtrmnElapsedTime_mS_u32_ElapsedTime
GetSystemTime_mS_u32(CurrentTime)	target_GetSystemTime_mS_u32_CurrentTime
Rte_Inst_Ap_GMStrtStop	target_Rte_Inst_Ap_GMStrtStop
StrtStop_SSScale_Uls_M_f32	0.452399999
StrtStop_SSSlewRatePrev_UlspS_M_f32	308.004211
StrtStop_StOpModePrevPrev_Cnt_M_enum	3
StrtStop_StOpModePrev_Cnt_M_enum	3
StrtStop_StOpMode_Cnt_M_enum	0
StrtStop_StopModeTimer1_mS_M_u32	1953966592
StrtStop_StopModeTimer2_mS_M_u32	2470176768
k_AlgEnable_Cnt_lgc	1
k_FltRspRampDnRt_UlspS_f32	133.593094
k_Mode1AssistDD_Uls_f32	0.939199984
k_Mode1AssistSlew_UlspS_f32	423.450806
k_Mode1EngTransThresh_Rpm_f32	8704.99805
k_Mode1VehSpdTransThresh_Kph_f32	125.792999
k_Mode2AssistDD_Uls_f32	1
k_Mode2AssistSlew_UlspS_f32	317.219604
k_Mode2VehSpdTransThresh_Kph_f32	31.566
k_NormalModeAssistSlew_UlspS_f32	230.854706
k_NormalModeEngTransThresh_Rpm_f32	10516.5908
k_NormalModeVehSpdTransThresh_Kph_f32	40.2504005
k_StopMode1AssistSlew_UlspS_f32	271.999115
k_StopMode1HwTrqTransThresh_HwNm_f32	9.03719997
k_StopMode1HwVelTransThresh_HwDegpS_f32	145.298401
k_StopMode1Timer_Sec_u16	4
k_StopMode1VehSpdTransThres_Kph_f32	128.620697
k_StopMode2AssistSlew_UlspS_f32	302.615906
k_StopMode2HwTrqTransThresh_HwNm_f32	3.55259991
k_StopMode2HwVelTransThresh_HwDegpS_f32	53.4832001
k_StopMode2Timer_Sec_u16	4
k_StopMode2VehSpdTransThresh_Kph_f32	127.954803
k_StopModeAssistDD_Uls_f32	0.502099991
target_DtrmnElapsedTime_mS_u32_ElapsedTime	38400
target_GetSystemTime_mS_u32_CurrentTime	9550
target_Rte_Inst_Ap_GMStrtStop.StrtStop_Per1_APASState_State_enum	target_StrtStop_Per1_APASState_State_enum
target_Rte_Inst_Ap_GMStrtStop.StrtStop_Per1_EngSpd_Rpm_f32	target_StrtStop_Per1_EngSpd_Rpm_f32
target_Rte_Inst_Ap_GMStrtStop.StrtStop_Per1_HandwheelVelocity_HwRadpS_f32	target_StrtStop_Per1_HandwheelVelocity_HwRadpS_f32
target_Rte_Inst_Ap_GMStrtStop.StrtStop_Per1_HwTorque_HwNm_f32	target_StrtStop_Per1_HwTorque_HwNm_f32
target_Rte_Inst_Ap_GMStrtStop.StrtStop_Per1_SS12VFault_Cnt_lgc	target_StrtStop_Per1_SS12VFault_Cnt_lgc
target_Rte_Inst_Ap_GMStrtStop.StrtStop_Per1_SSScale_Uls_f32	target_StrtStop_Per1_SSScale_Uls_f32
target_Rte_Inst_Ap_GMStrtStop.StrtStop_Per1_SSSlew_UlspS_f32	target_StrtStop_Per1_SSSlew_UlspS_f32
target_Rte_Inst_Ap_GMStrtStop.StrtStop_Per1_SSState_State_enum	target_StrtStop_Per1_SSState_State_enum
target_Rte_Inst_Ap_GMStrtStop.StrtStop_Per1_VehicleSpeed_Kph_f32	target_StrtStop_Per1_VehicleSpeed_Kph_f32
target_StrtStop_Per1_APASState_State_enum.value	0
target_StrtStop_Per1_EngSpd_Rpm_f32.value	63.9570999
target_StrtStop_Per1_HandwheelVelocity_HwRadpS_f32.value	-65.0715027
target_StrtStop_Per1_HwTorque_HwNm_f32.value	-1.37670004
target_StrtStop_Per1_SS12VFault_Cnt_lgc.value	0
target_StrtStop_Per1_VehicleSpeed_Kph_f32.value	143.611801

Name	Actual Value	Expected Value	Result
StrtStop_SSScale_Uls_M_f32	0.452399999	0.452399999	✓
StrtStop_SSSlewRatePrev_UlspS_M_f32	230.854706	230.854706 ± 0.1	✓
StrtStop_StOpModePrevPrev_Cnt_M_enum	3	3	✓
StrtStop_StOpModePrev_Cnt_M_enum	0	0	✓
StrtStop_StOpMode_Cnt_M_enum	0	0	✓
StrtStop_StopModeTimer1_mS_M_u32	1953966592	1953966592	✓
StrtStop_StopModeTimer2_mS_M_u32	2470176768	2470176768	✓
target_StrtStop_Per1_SSScale_Uls_f32.value	0.452399999	0.452399999 ± 0.0001	✓
target_StrtStop_Per1_SSSlew_UlspS_f32.value	230.854706	230.854706 ± 0.1	✓
target_StrtStop_Per1_SSState_State_enum.value	0	0	✓

## Test Step Call Trace

Actual Function	Count	Expected Function	Count	Result
PreviousStCalc	1	PreviousStCalc	1	✓
SlewRateCalc	1	SlewRateCalc	1	✓

# TEST DETAILS REPORT

2016-07-18, 16:07:36+0530



StrtStop\_Per1

Test Step 2.11 (Repeat Count = 1) ✓				
Name	Input Value			
DtrmnElapsedTime_mS_u32(ElapsedTime)	target_DtrmnElapsedTime_mS_u32_ElapsedTime			
GetSystemTime_mS_u32(CurrentTime)	target_GetSystemTime_mS_u32_CurrentTime			
Rte_Inst_Ap_GMStrtStop	target_Rte_Inst_Ap_GMStrtStop			
StrtStop_SSScale_Uls_M_f32	1			
StrtStop_SSSlewRatePrev_UlspS_M_f32	173.136307			
StrtStop_StOpModePrevPrev_Cnt_M_enum	5			
StrtStop_StOpModePrev_Cnt_M_enum	0			
StrtStop_StOpMode_Cnt_M_enum	3			
StrtStop_StopModeTimer1_mS_M_u32	2405516544			
StrtStop_StopModeTimer2_mS_M_u32	998968064			
k_AlgEnable_Cnt_lgc	1			
k_FltRspRampDnRt_UlspS_f32	496.180603			
k_Mode1AssistDD_Uls_f32	0.668500006			
k_Mode1AssistSlew_UlspS_f32	462.765686			
k_Mode1EngTransThresh_Rpm_f32	10028.3506			
k_Mode1VehSpdTransThresh_Kph_f32	27.5125999			
k_Mode2AssistDD_Uls_f32	0.342799991			
k_Mode2AssistSlew_UlspS_f32	212.6884			
k_Mode2VehSpdTransThresh_Kph_f32	174.974792			
k_NormalModeAssistSlew_UlspS_f32	241.510803			
k_NormalModeEngTransThresh_Rpm_f32	14620.0313			
k_NormalModeVehSpdTransThresh_Kph_f32	46.2134018			
k_StopMode1AssistSlew_UlspS_f32	302.429993			
k_StopMode1HwTrqTransThresh_HwNm_f32	7.23239994			
k_StopMode1HwVelTransThresh_HwDegpS_f32	15.1768999			
k_StopMode1Timer_Sec_u16	0			
k_StopMode1VehSpdTransThres_Kph_f32	13.0670996			
k_StopMode2AssistSlew_UlspS_f32	34.8488007			
k_StopMode2HwTrqTransThresh_HwNm_f32	2.78329992			
k_StopMode2HwVelTransThresh_HwDegpS_f32	34.5059013			
k_StopMode2Timer_Sec_u16	1			
k_StopMode2VehSpdTransThresh_Kph_f32	151.706604			
k_StopModeAssistDD_Uls_f32	1			
target_DtrmnElapsedTime_mS_u32_ElapsedTime	43550			
target_GetSystemTime_mS_u32_CurrentTime	10900			
target_Rte_Inst_Ap_GMStrtStop.StrtStop_Per1_APASState_State_enum	target_StrtStop_Per1_APASState_State_enum			
target_Rte_Inst_Ap_GMStrtStop.StrtStop_Per1_EngSpd_Rpm_f32	target_StrtStop_Per1_EngSpd_Rpm_f32			
target_Rte_Inst_Ap_GMStrtStop.StrtStop_Per1_HandwheelVelocity_HwRadpS_f32	target_StrtStop_Per1_HandwheelVelocity_HwRadpS_f32			
target_Rte_Inst_Ap_GMStrtStop.StrtStop_Per1_HwTorque_HwNm_f32	target_StrtStop_Per1_HwTorque_HwNm_f32			
target_Rte_Inst_Ap_GMStrtStop.StrtStop_Per1_SS12VFault_Cnt_lgc	target_StrtStop_Per1_SS12VFault_Cnt_lgc			
target_Rte_Inst_Ap_GMStrtStop.StrtStop_Per1_SSScale_Uls_f32	target_StrtStop_Per1_SSScale_Uls_f32			
target_Rte_Inst_Ap_GMStrtStop.StrtStop_Per1_SSSlew_UlspS_f32	target_StrtStop_Per1_SSSlew_UlspS_f32			
target_Rte_Inst_Ap_GMStrtStop.StrtStop_Per1_SSState_State_enum	target_StrtStop_Per1_SSState_State_enum			
target_Rte_Inst_Ap_GMStrtStop.StrtStop_Per1_VehicleSpeed_Kph_f32	target_StrtStop_Per1_VehicleSpeed_Kph_f32			
target_StrtStop_Per1_APASState_State_enum.value	0			
target_StrtStop_Per1_EngSpd_Rpm_f32.value	3.95230007			
target_StrtStop_Per1_HandwheelVelocity_HwRadpS_f32.value	-100			
target_StrtStop_Per1_HwTorque_HwNm_f32.value	-2.87310004			
target_StrtStop_Per1_SS12VFault_Cnt_lgc.value	0			
target_StrtStop_Per1_VehicleSpeed_Kph_f32.value	133.639206			
Name	Actual Value	Expected Value	Result	
StrtStop_SSScale_Uls_M_f32	1	1	✓	
StrtStop_SSSlewRatePrev_UlspS_M_f32	1	1 ± 0.1	✓	
StrtStop_StOpModePrevPrev_Cnt_M_enum	5	5	✓	
StrtStop_StOpModePrev_Cnt_M_enum	0	0	✓	
StrtStop_StOpMode_Cnt_M_enum	0	0	✓	
StrtStop_StopModeTimer1_mS_M_u32	2405516544	2405516544	✓	
StrtStop_StopModeTimer2_mS_M_u32	998968064	998968064	✓	
target_StrtStop_Per1_SSScale_Uls_f32.value	1	1 ± 0.0001	✓	
target_StrtStop_Per1_SSSlew_UlspS_f32.value	1	1 ± 0.1	✓	
target_StrtStop_Per1_SSState_State_enum.value	0	0	✓	

Test Step Call Trace ✓				
Actual Function	Count	Expected Function	Count	Result
DtrmnElapsedTime_mS_u32	1	DtrmnElapsedTime_mS_u32	1	✓
PreviousStCalc	1	PreviousStCalc	1	✓
SlewRateCalc	1	SlewRateCalc	1	✓



# TEST DETAILS REPORT

2016-07-18, 16:07:36+0530



StrtStop\_Per1

Test Step 2.12 (Repeat Count = 1) ✓				
Name	Input Value			
DtrmnElapsedTime_mS_u32(ElapsedTime)	target_DtrmnElapsedTime_mS_u32_ElapsedTime			
GetSystemTime_mS_u32(CurrentTime)	target_GetSystemTime_mS_u32_CurrentTime			
Rte_Inst_Ap_GMStrtStop	target_Rte_Inst_Ap_GMStrtStop			
StrtStop_SSScale_Uls_M_f32	1			
StrtStop_SSSlewRatePrev_UlspS_M_f32	482.200897			
StrtStop_StOpModePrevPrev_Cnt_M_enum	3			
StrtStop_StOpModePrev_Cnt_M_enum	2			
StrtStop_StOpMode_Cnt_M_enum	3			
StrtStop_StopModeTimer1_mS_M_u32	483324928			
StrtStop_StopModeTimer2_mS_M_u32	3739853312			
k_AlgEnable_Cnt_lgc	1			
k_FltRspRampDnRt_UlspS_f32	489.309387			
k_Mode1AssistDD_Uls_f32	1			
k_Mode1AssistSlew_UlspS_f32	272.516998			
k_Mode1EngTransThresh_Rpm_f32	14149.6631			
k_Mode1VehSpdTransThresh_Kph_f32	148.4785			
k_Mode2AssistDD_Uls_f32	1			
k_Mode2AssistSlew_UlspS_f32	349.786804			
k_Mode2VehSpdTransThresh_Kph_f32	136.872498			
k_NormalModeAssistSlew_UlspS_f32	77.5610962			
k_NormalModeEngTransThresh_Rpm_f32	13305.2129			
k_NormalModeVehSpdTransThresh_Kph_f32	178.031601			
k_StopMode1AssistSlew_UlspS_f32	280.934204			
k_StopMode1HwTrqTransThresh_HwNm_f32	2.51340008			
k_StopMode1HwVelTransThresh_HwDegpS_f32	30.0678997			
k_StopMode1Timer_Sec_u16	0			
k_StopMode1VehSpdTransThres_Kph_f32	134.326599			
k_StopMode2AssistSlew_UlspS_f32	483.845215			
k_StopMode2HwTrqTransThresh_HwNm_f32	2.9447999			
k_StopMode2HwVelTransThresh_HwDegpS_f32	18.8064003			
k_StopMode2Timer_Sec_u16	4			
k_StopMode2VehSpdTransThresh_Kph_f32	137.608093			
k_StopModeAssistDD_Uls_f32	1			
target_DtrmnElapsedTime_mS_u32_ElapsedTime	48700			
target_GetSystemTime_mS_u32_CurrentTime	12250			
target_Rte_Inst_Ap_GMStrtStop.StrtStop_Per1_APASState_State_enum	target_StrtStop_Per1_APASState_State_enum			
target_Rte_Inst_Ap_GMStrtStop.StrtStop_Per1_EngSpd_Rpm_f32	target_StrtStop_Per1_EngSpd_Rpm_f32			
target_Rte_Inst_Ap_GMStrtStop.StrtStop_Per1_HandwheelVelocity_HwRadpS_f32	target_StrtStop_Per1_HandwheelVelocity_HwRadpS_f32			
target_Rte_Inst_Ap_GMStrtStop.StrtStop_Per1_HwTorque_HwNm_f32	target_StrtStop_Per1_HwTorque_HwNm_f32			
target_Rte_Inst_Ap_GMStrtStop.StrtStop_Per1_SS12VFault_Cnt_lgc	target_StrtStop_Per1_SS12VFault_Cnt_lgc			
target_Rte_Inst_Ap_GMStrtStop.StrtStop_Per1_SSScale_Uls_f32	target_StrtStop_Per1_SSScale_Uls_f32			
target_Rte_Inst_Ap_GMStrtStop.StrtStop_Per1_SSSlew_UlspS_f32	target_StrtStop_Per1_SSSlew_UlspS_f32			
target_Rte_Inst_Ap_GMStrtStop.StrtStop_Per1_SSState_State_enum	target_StrtStop_Per1_SSState_State_enum			
target_Rte_Inst_Ap_GMStrtStop.StrtStop_Per1_VehicleSpeed_Kph_f32	target_StrtStop_Per1_VehicleSpeed_Kph_f32			
target_StrtStop_Per1_APASState_State_enum.value	0			
target_StrtStop_Per1_EngSpd_Rpm_f32.value	8795.23633			
target_StrtStop_Per1_HandwheelVelocity_HwRadpS_f32.value	100			
target_StrtStop_Per1_HwTorque_HwNm_f32.value	4.92159986			
target_StrtStop_Per1_SS12VFault_Cnt_lgc.value	1			
target_StrtStop_Per1_VehicleSpeed_Kph_f32.value	155.349503			
Name	Actual Value	Expected Value	Result	
StrtStop_SSScale_Uls_M_f32	1	1	✓	
StrtStop_SSSlewRatePrev_UlspS_M_f32	489.309387	489.309387 ± 0.1	✓	
StrtStop_StOpModePrevPrev_Cnt_M_enum	2	2	✓	
StrtStop_StOpModePrev_Cnt_M_enum	4	4	✓	
StrtStop_StOpMode_Cnt_M_enum	4	4	✓	
StrtStop_StopModeTimer1_mS_M_u32	483324928	483324928	✓	
StrtStop_StopModeTimer2_mS_M_u32	3739853312	3739853312	✓	
target_StrtStop_Per1_SSScale_Uls_f32.value	1	1 ± 0.0001	✓	
target_StrtStop_Per1_SSSlew_UlspS_f32.value	489.309387	489.309387 ± 0.1	✓	
target_StrtStop_Per1_SSState_State_enum.value	4	4	✓	

Test Step Call Trace ✓				
Actual Function	Count	Expected Function	Count	Result
PreviousStCalc	1	PreviousStCalc	1	✓
SlewRateCalc	1	SlewRateCalc	1	✓



# TEST DETAILS REPORT

2016-07-18, 16:07:36+0530



StrtStop\_Per1

## Test Step 2.13 (Repeat Count = 1)

Name	Input Value
DtrmnElapsedTime_mS_u32(ElapsedTime)	target_DtrmnElapsedTime_mS_u32_ElapsedTime
GetSystemTime_mS_u32(CurrentTime)	target_GetSystemTime_mS_u32_CurrentTime
Rte_Inst_Ap_GMStrtStop	target_Rte_Inst_Ap_GMStrtStop
StrtStop_SSScale_Uls_M_f32	1
StrtStop_SSSlewRatePrev_UlspS_M_f32	185.992996
StrtStop_StOpModePrevPrev_Cnt_M_enum	5
StrtStop_StOpModePrev_Cnt_M_enum	0
StrtStop_StOpMode_Cnt_M_enum	3
StrtStop_StopModeTimer1_mS_M_u32	2315380480
StrtStop_StopModeTimer2_mS_M_u32	1340726528
k_AlgEnable_Cnt_lgc	0
k_FltRspRampDnRt_UlspS_f32	116.1185
k_Mode1AssistDD_Uls_f32	1
k_Mode1AssistSlew_UlspS_f32	152.293793
k_Mode1EngTransThresh_Rpm_f32	5160.87988
k_Mode1VehSpdTransThresh_Kph_f32	143.894196
k_Mode2AssistDD_Uls_f32	0.71390003
k_Mode2AssistSlew_UlspS_f32	60.9958
k_Mode2VehSpdTransThresh_Kph_f32	16.9944
k_NormalModeAssistSlew_UlspS_f32	57.4734001
k_NormalModeEngTransThresh_Rpm_f32	3720.05029
k_NormalModeVehSpdTransThresh_Kph_f32	74.6427002
k_StopMode1AssistSlew_UlspS_f32	480.399414
k_StopMode1HwTrqTransThresh_HwNm_f32	10
k_StopMode1HwVelTransThresh_HwDegpS_f32	154.878204
k_StopMode1Timer_Sec_u16	2
k_StopMode1VehSpdTransThresh_Kph_f32	182.939194
k_StopMode2AssistSlew_UlspS_f32	43.2391014
k_StopMode2HwTrqTransThresh_HwNm_f32	10
k_StopMode2HwVelTransThresh_HwDegpS_f32	205.361206
k_StopMode2Timer_Sec_u16	3
k_StopMode2VehSpdTransThresh_Kph_f32	46.1200981
k_StopModeAssistDD_Uls_f32	0.932799995
target_DtrmnElapsedTime_mS_u32_ElapsedTime	53850
target_GetSystemTime_mS_u32_CurrentTime	13600
target_Rte_Inst_Ap_GMStrtStop.StrtStop_Per1_APASState_State_enum	target_StrtStop_Per1_APASState_State_enum
target_Rte_Inst_Ap_GMStrtStop.StrtStop_Per1_EngSpd_Rpm_f32	target_StrtStop_Per1_EngSpd_Rpm_f32
target_Rte_Inst_Ap_GMStrtStop.StrtStop_Per1_HandwheelVelocity_HwRadpS_f32	target_StrtStop_Per1_HandwheelVelocity_HwRadpS_f32
target_Rte_Inst_Ap_GMStrtStop.StrtStop_Per1_HwTorque_HwNm_f32	target_StrtStop_Per1_HwTorque_HwNm_f32
target_Rte_Inst_Ap_GMStrtStop.StrtStop_Per1_SS12VFault_Cnt_lgc	target_StrtStop_Per1_SS12VFault_Cnt_lgc
target_Rte_Inst_Ap_GMStrtStop.StrtStop_Per1_SSScale_Uls_f32	target_StrtStop_Per1_SSScale_Uls_f32
target_Rte_Inst_Ap_GMStrtStop.StrtStop_Per1_SSSlew_UlspS_f32	target_StrtStop_Per1_SSSlew_UlspS_f32
target_Rte_Inst_Ap_GMStrtStop.StrtStop_Per1_SSState_State_enum	target_StrtStop_Per1_SSState_State_enum
target_Rte_Inst_Ap_GMStrtStop.StrtStop_Per1_VehicleSpeed_Kph_f32	target_StrtStop_Per1_VehicleSpeed_Kph_f32
target_StrtStop_Per1_APASState_State_enum.value	0
target_StrtStop_Per1_EngSpd_Rpm_f32.value	10765.6816
target_StrtStop_Per1_HandwheelVelocity_HwRadpS_f32.value	32.2200012
target_StrtStop_Per1_HwTorque_HwNm_f32.value	-3.44190001
target_StrtStop_Per1_SS12VFault_Cnt_lgc.value	1
target_StrtStop_Per1_VehicleSpeed_Kph_f32.value	152.528

Name	Actual Value	Expected Value	Result
StrtStop_SSScale_Uls_M_f32	1	1	✓
StrtStop_SSSlewRatePrev_UlspS_M_f32	116.1185	116.1185 ± 0.1	✓
StrtStop_StOpModePrevPrev_Cnt_M_enum	0	0	✓
StrtStop_StOpModePrev_Cnt_M_enum	5	5	✓
StrtStop_StOpMode_Cnt_M_enum	5	5	✓
StrtStop_StopModeTimer1_mS_M_u32	2315380480	2315380480	✓
StrtStop_StopModeTimer2_mS_M_u32	1340726528	1340726528	✓
target_StrtStop_Per1_SSScale_Uls_f32.value	1	1 ± 0.0001	✓
target_StrtStop_Per1_SSSlew_UlspS_f32.value	116.1185	116.1185 ± 0.1	✓
target_StrtStop_Per1_SSState_State_enum.value	5	5	✓

## Test Step Call Trace

Actual Function	Count	Expected Function	Count	Result
PreviousStCalc	1	PreviousStCalc	1	✓
SlewRateCalc	1	SlewRateCalc	1	✓

# TEST DETAILS REPORT

2016-07-18, 16:07:36+0530



StrtStop\_Per1

## Test Step 2.14 (Repeat Count = 1)

Name	Input Value
DtrmnElapsedTime_mS_u32(ElapsedTime)	target_DtrmnElapsedTime_mS_u32_ElapsedTime
GetSystemTime_mS_u32(CurrentTime)	target_GetSystemTime_mS_u32_CurrentTime
Rte_Inst_Ap_GMStrtStop	target_Rte_Inst_Ap_GMStrtStop
StrtStop_SSScale_Uls_M_f32	0.200399995
StrtStop_SSSlewRatePrev_UlspS_M_f32	152.152298
StrtStop_StOpModePrevPrev_Cnt_M_enum	4
StrtStop_StOpModePrev_Cnt_M_enum	0
StrtStop_StOpMode_Cnt_M_enum	0
StrtStop_StopModeTimer1_mS_M_u32	4059368960
StrtStop_StopModeTimer2_mS_M_u32	1536502784
k_AlgEnable_Cnt_lgc	0
k_FltRspRampDnRt_UlspS_f32	382.198395
k_Mode1AssistDD_Uls_f32	1
k_Mode1AssistSlew_UlspS_f32	300.515015
k_Mode1EngTransThresh_Rpm_f32	4592.97021
k_Mode1VehSpdTransThresh_Kph_f32	175.644302
k_Mode2AssistDD_Uls_f32	0.902199984
k_Mode2AssistSlew_UlspS_f32	278.100189
k_Mode2VehSpdTransThresh_Kph_f32	61.6217003
k_NormalModeAssistSlew_UlspS_f32	369.990295
k_NormalModeEngTransThresh_Rpm_f32	14693.7236
k_NormalModeVehSpdTransThresh_Kph_f32	99.0494003
k_StopMode1AssistSlew_UlspS_f32	447.564697
k_StopMode1HwTrqTransThresh_HwNm_f32	3.70099998
k_StopMode1HwVelTransThresh_HwDegpS_f32	134.810104
k_StopMode1Timer_Sec_u16	2
k_StopMode1VehSpdTransThres_Kph_f32	194.365707
k_StopMode2AssistSlew_UlspS_f32	117.301697
k_StopMode2HwTrqTransThresh_HwNm_f32	10
k_StopMode2HwVelTransThresh_HwDegpS_f32	215.640198
k_StopMode2Timer_Sec_u16	0
k_StopMode2VehSpdTransThresh_Kph_f32	5.87150002
k_StopModeAssistDD_Uls_f32	0.98150003
target_DtrmnElapsedTime_mS_u32_ElapsedTime	59000
target_GetSystemTime_mS_u32_CurrentTime	14950
target_Rte_Inst_Ap_GMStrtStop.StrtStop_Per1_APASState_State_enum	target_StrtStop_Per1_APASState_State_enum
target_Rte_Inst_Ap_GMStrtStop.StrtStop_Per1_EngSpd_Rpm_f32	target_StrtStop_Per1_EngSpd_Rpm_f32
target_Rte_Inst_Ap_GMStrtStop.StrtStop_Per1_HandwheelVelocity_HwRadpS_f32	target_StrtStop_Per1_HandwheelVelocity_HwRadpS_f32
target_Rte_Inst_Ap_GMStrtStop.StrtStop_Per1_HwTorque_HwNm_f32	target_StrtStop_Per1_HwTorque_HwNm_f32
target_Rte_Inst_Ap_GMStrtStop.StrtStop_Per1_SS12VFault_Cnt_lgc	target_StrtStop_Per1_SS12VFault_Cnt_lgc
target_Rte_Inst_Ap_GMStrtStop.StrtStop_Per1_SSScale_Uls_f32	target_StrtStop_Per1_SSScale_Uls_f32
target_Rte_Inst_Ap_GMStrtStop.StrtStop_Per1_SSSlew_UlspS_f32	target_StrtStop_Per1_SSSlew_UlspS_f32
target_Rte_Inst_Ap_GMStrtStop.StrtStop_Per1_SSState_State_enum	target_StrtStop_Per1_SSState_State_enum
target_Rte_Inst_Ap_GMStrtStop.StrtStop_Per1_VehicleSpeed_Kph_f32	target_StrtStop_Per1_VehicleSpeed_Kph_f32
target_StrtStop_Per1_APASState_State_enum.value	0
target_StrtStop_Per1_EngSpd_Rpm_f32.value	8913.5332
target_StrtStop_Per1_HandwheelVelocity_HwRadpS_f32.value	0
target_StrtStop_Per1_HwTorque_HwNm_f32.value	6.77419996
target_StrtStop_Per1_SS12VFault_Cnt_lgc.value	1
target_StrtStop_Per1_VehicleSpeed_Kph_f32.value	62.0015984

Name	Actual Value	Expected Value	Result
StrtStop_SSScale_Uls_M_f32	1	1	✓
StrtStop_SSSlewRatePrev_UlspS_M_f32	382.198395	382.198395 ± 0.1	✓
StrtStop_StOpModePrevPrev_Cnt_M_enum	0	0	✓
StrtStop_StOpModePrev_Cnt_M_enum	5	5	✓
StrtStop_StOpMode_Cnt_M_enum	5	5	✓
StrtStop_StopModeTimer1_mS_M_u32	4059368960	4059368960	✓
StrtStop_StopModeTimer2_mS_M_u32	1536502784	1536502784	✓
target_StrtStop_Per1_SSScale_Uls_f32.value	1	1 ± 0.0001	✓
target_StrtStop_Per1_SSSlew_UlspS_f32.value	382.198395	382.198395 ± 0.1	✓
target_StrtStop_Per1_SSState_State_enum.value	5	5	✓

## Test Step Call Trace

Actual Function	Count	Expected Function	Count	Result
PreviousStCalc	1	PreviousStCalc	1	✓
SlewRateCalc	1	SlewRateCalc	1	✓

# TEST DETAILS REPORT

2016-07-18, 16:07:36+0530



StrtStop\_Per1

## Test Step 2.15 (Repeat Count = 1)

Name	Input Value
DtrmnElapsedTime_mS_u32(ElapsedTime)	target_DtrmnElapsedTime_mS_u32_ElapsedTime
GetSystemTime_mS_u32(CurrentTime)	target_GetSystemTime_mS_u32_CurrentTime
Rte_Inst_Ap_GMStrtStop	target_Rte_Inst_Ap_GMStrtStop
StrtStop_SSScale_Uls_M_f32	1
StrtStop_SSSlewRatePrev_UlspS_M_f32	109.586197
StrtStop_StOpModePrevPrev_Cnt_M_enum	2
StrtStop_StOpModePrev_Cnt_M_enum	1
StrtStop_StOpMode_Cnt_M_enum	4
StrtStop_StopModeTimer1_mS_M_u32	3682048256
StrtStop_StopModeTimer2_mS_M_u32	3431939840
k_AlgEnable_Cnt_lgc	1
k_FltRspRampDnRt_UlspS_f32	234.7556
k_Mode1AssistDD_Uls_f32	0.416000009
k_Mode1AssistSlew_UlspS_f32	336.665192
k_Mode1EngTransThresh_Rpm_f32	10047.8711
k_Mode1VehSpdTransThresh_Kph_f32	164.589706
k_Mode2AssistDD_Uls_f32	1
k_Mode2AssistSlew_UlspS_f32	416.260895
k_Mode2VehSpdTransThresh_Kph_f32	106.4487
k_NormalModeAssistSlew_UlspS_f32	21.8469009
k_NormalModeEngTransThresh_Rpm_f32	13613.1611
k_NormalModeVehSpdTransThresh_Kph_f32	116.797203
k_StopMode1AssistSlew_UlspS_f32	446.004913
k_StopMode1HwTrqTransThresh_HwNm_f32	7.28079987
k_StopMode1HwVelTransThresh_HwDegpS_f32	57.4882011
k_StopMode1Timer_Sec_u16	5
k_StopMode1VehSpdTransThresh_Kph_f32	127.980797
k_StopMode2AssistSlew_UlspS_f32	226.000198
k_StopMode2HwTrqTransThresh_HwNm_f32	5.09189987
k_StopMode2HwVelTransThresh_HwDegpS_f32	28.0354996
k_StopMode2Timer_Sec_u16	2
k_StopMode2VehSpdTransThresh_Kph_f32	2.94309998
k_StopModeAssistDD_Uls_f32	1
target_DtrmnElapsedTime_mS_u32_ElapsedTime	64150
target_GetSystemTime_mS_u32_CurrentTime	16300
target_Rte_Inst_Ap_GMStrtStop.StrtStop_Per1_APASState_State_enum	target_StrtStop_Per1_APASState_State_enum
target_Rte_Inst_Ap_GMStrtStop.StrtStop_Per1_EngSpd_Rpm_f32	target_StrtStop_Per1_EngSpd_Rpm_f32
target_Rte_Inst_Ap_GMStrtStop.StrtStop_Per1_HandwheelVelocity_HwRadpS_f32	target_StrtStop_Per1_HandwheelVelocity_HwRadpS_f32
target_Rte_Inst_Ap_GMStrtStop.StrtStop_Per1_HwTorque_HwNm_f32	target_StrtStop_Per1_HwTorque_HwNm_f32
target_Rte_Inst_Ap_GMStrtStop.StrtStop_Per1_SS12VFault_Cnt_lgc	target_StrtStop_Per1_SS12VFault_Cnt_lgc
target_Rte_Inst_Ap_GMStrtStop.StrtStop_Per1_SSScale_Uls_f32	target_StrtStop_Per1_SSScale_Uls_f32
target_Rte_Inst_Ap_GMStrtStop.StrtStop_Per1_SSSlew_UlspS_f32	target_StrtStop_Per1_SSSlew_UlspS_f32
target_Rte_Inst_Ap_GMStrtStop.StrtStop_Per1_SSState_State_enum	target_StrtStop_Per1_SSState_State_enum
target_Rte_Inst_Ap_GMStrtStop.StrtStop_Per1_VehicleSpeed_Kph_f32	target_StrtStop_Per1_VehicleSpeed_Kph_f32
target_StrtStop_Per1_APASState_State_enum.value	0
target_StrtStop_Per1_EngSpd_Rpm_f32.value	13556.9355
target_StrtStop_Per1_HandwheelVelocity_HwRadpS_f32.value	-60.3300018
target_StrtStop_Per1_HwTorque_HwNm_f32.value	-6.81309986
target_StrtStop_Per1_SS12VFault_Cnt_lgc.value	0
target_StrtStop_Per1_VehicleSpeed_Kph_f32.value	165.741501

Name	Actual Value	Expected Value	Result
StrtStop_SSScale_Uls_M_f32	1	1	✓
StrtStop_SSSlewRatePrev_UlspS_M_f32	234.7556	234.7556 ± 0.1	✓
StrtStop_StOpModePrevPrev_Cnt_M_enum	1	1	✓
StrtStop_StOpModePrev_Cnt_M_enum	4	4	✓
StrtStop_StOpMode_Cnt_M_enum	4	4	✓
StrtStop_StopModeTimer1_mS_M_u32	3682048256	3682048256	✓
StrtStop_StopModeTimer2_mS_M_u32	3431939840	3431939840	✓
target_StrtStop_Per1_SSScale_Uls_f32.value	1	1 ± 0.0001	✓
target_StrtStop_Per1_SSSlew_UlspS_f32.value	234.7556	234.7556 ± 0.1	✓
target_StrtStop_Per1_SSState_State_enum.value	4	4	✓

## Test Step Call Trace

Actual Function	Count	Expected Function	Count	Result
PreviousStCalc	1	PreviousStCalc	1	✓
SlewRateCalc	1	SlewRateCalc	1	✓

# TEST DETAILS REPORT

2016-07-18, 16:07:36+0530



StrtStop\_Per1

## Test Step 2.16 (Repeat Count = 1)

Name	Input Value
DtrmnElapsedTime_mS_u32(ElapsedTime)	target_DtrmnElapsedTime_mS_u32_ElapsedTime
GetSystemTime_mS_u32(CurrentTime)	target_GetSystemTime_mS_u32_CurrentTime
Rte_Inst_Ap_GMStrtStop	target_Rte_Inst_Ap_GMStrtStop
StrtStop_SSScale_Uls_M_f32	0.765200019
StrtStop_SSSlewRatePrev_UlspS_M_f32	387.793091
StrtStop_StOpModePrevPrev_Cnt_M_enum	4
StrtStop_StOpModePrev_Cnt_M_enum	5
StrtStop_StOpMode_Cnt_M_enum	1
StrtStop_StopModeTimer1_mS_M_u32	719058944
StrtStop_StopModeTimer2_mS_M_u32	2913797632
k_AlgEnable_Cnt_lgc	0
k_FltRspRampDnRt_UlspS_f32	446.536591
k_Mode1AssistDD_Uls_f32	0.223499998
k_Mode1AssistSlew_UlspS_f32	257.166901
k_Mode1EngTransThresh_Rpm_f32	5982.73096
k_Mode1VehSpdTransThresh_Kph_f32	133.603897
k_Mode2AssistDD_Uls_f32	1
k_Mode2AssistSlew_UlspS_f32	106.551003
k_Mode2VehSpdTransThresh_Kph_f32	126.778198
k_NormalModeAssistSlew_UlspS_f32	268.548706
k_NormalModeEngTransThresh_Rpm_f32	2233.17847
k_NormalModeVehSpdTransThresh_Kph_f32	79.5880966
k_StopMode1AssistSlew_UlspS_f32	469.119598
k_StopMode1HwTrqTransThresh_HwNm_f32	8.99890041
k_StopMode1HwVelTransThresh_HwDegpS_f32	184.344803
k_StopMode1Timer_Sec_u16	3
k_StopMode1VehSpdTransThresh_Kph_f32	109.389503
k_StopMode2AssistSlew_UlspS_f32	128.189606
k_StopMode2HwTrqTransThresh_HwNm_f32	8.85849953
k_StopMode2HwVelTransThresh_HwDegpS_f32	166.965393
k_StopMode2Timer_Sec_u16	4
k_StopMode2VehSpdTransThresh_Kph_f32	169.188904
k_StopModeAssistDD_Uls_f32	1
target_DtrmnElapsedTime_mS_u32_ElapsedTime	69300
target_GetSystemTime_mS_u32_CurrentTime	17650
target_Rte_Inst_Ap_GMStrtStop.StrtStop_Per1_APASState_State_enum	target_StrtStop_Per1_APASState_State_enum
target_Rte_Inst_Ap_GMStrtStop.StrtStop_Per1_EngSpd_Rpm_f32	target_StrtStop_Per1_EngSpd_Rpm_f32
target_Rte_Inst_Ap_GMStrtStop.StrtStop_Per1_HandwheelVelocity_HwRadpS_f32	target_StrtStop_Per1_HandwheelVelocity_HwRadpS_f32
target_Rte_Inst_Ap_GMStrtStop.StrtStop_Per1_HwTorque_HwNm_f32	target_StrtStop_Per1_HwTorque_HwNm_f32
target_Rte_Inst_Ap_GMStrtStop.StrtStop_Per1_SS12VFault_Cnt_lgc	target_StrtStop_Per1_SS12VFault_Cnt_lgc
target_Rte_Inst_Ap_GMStrtStop.StrtStop_Per1_SSScale_Uls_f32	target_StrtStop_Per1_SSScale_Uls_f32
target_Rte_Inst_Ap_GMStrtStop.StrtStop_Per1_SSSlew_UlspS_f32	target_StrtStop_Per1_SSSlew_UlspS_f32
target_Rte_Inst_Ap_GMStrtStop.StrtStop_Per1_SSState_State_enum	target_StrtStop_Per1_SSState_State_enum
target_Rte_Inst_Ap_GMStrtStop.StrtStop_Per1_VehicleSpeed_Kph_f32	target_StrtStop_Per1_VehicleSpeed_Kph_f32
target_StrtStop_Per1_APASState_State_enum.value	1
target_StrtStop_Per1_EngSpd_Rpm_f32.value	1341.80554
target_StrtStop_Per1_HandwheelVelocity_HwRadpS_f32.value	-5.9309001
target_StrtStop_Per1_HwTorque_HwNm_f32.value	-10
target_StrtStop_Per1_SS12VFault_Cnt_lgc.value	1
target_StrtStop_Per1_VehicleSpeed_Kph_f32.value	144.477402

Name	Actual Value	Expected Value	Result
StrtStop_SSScale_Uls_M_f32	1	1	✓
StrtStop_SSSlewRatePrev_UlspS_M_f32	446.536591	446.536591 ± 0.1	✓
StrtStop_StOpModePrevPrev_Cnt_M_enum	4	4	✓
StrtStop_StOpModePrev_Cnt_M_enum	5	5	✓
StrtStop_StOpMode_Cnt_M_enum	5	5	✓
StrtStop_StopModeTimer1_mS_M_u32	719058944	719058944	✓
StrtStop_StopModeTimer2_mS_M_u32	2913797632	2913797632	✓
target_StrtStop_Per1_SSScale_Uls_f32.value	1	1 ± 0.0001	✓
target_StrtStop_Per1_SSSlew_UlspS_f32.value	446.536591	446.536591 ± 0.1	✓
target_StrtStop_Per1_SSState_State_enum.value	5	5	✓

## Test Step Call Trace

Actual Function	Count	Expected Function	Count	Result
PreviousStCalc	1	PreviousStCalc	1	✓
SlewRateCalc	1	SlewRateCalc	1	✓

# TEST DETAILS REPORT

2016-07-18, 16:07:36+0530



StrtStop\_Per1

## Test Step 2.17 (Repeat Count = 1)

Name	Input Value
DtrmnElapsedTime_mS_u32(ElapsedTime)	target_DtrmnElapsedTime_mS_u32_ElapsedTime
GetSystemTime_mS_u32(CurrentTime)	target_GetSystemTime_mS_u32_CurrentTime
Rte_Inst_Ap_GMStrtStop	target_Rte_Inst_Ap_GMStrtStop
StrtStop_SSScale_Uls_M_f32	0.694700003
StrtStop_SSSlewRatePrev_UlspS_M_f32	447.815613
StrtStop_StOpModePrevPrev_Cnt_M_enum	3
StrtStop_StOpModePrev_Cnt_M_enum	3
StrtStop_StOpMode_Cnt_M_enum	0
StrtStop_StopModeTimer1_mS_M_u32	3370834688
StrtStop_StopModeTimer2_mS_M_u32	2653925632
k_AlgEnable_Cnt_lgc	1
k_FltRspRampDnRt_UlspS_f32	346.304291
k_Mode1AssistDD_Uls_f32	0.939499974
k_Mode1AssistSlew_UlspS_f32	1.82420003
k_Mode1EngTransThresh_Rpm_f32	8928.72754
k_Mode1VehSpdTransThresh_Kph_f32	54.6978989
k_Mode2AssistDD_Uls_f32	0.549399972
k_Mode2AssistSlew_UlspS_f32	314.383301
k_Mode2VehSpdTransThresh_Kph_f32	141.544998
k_NormalModeAssistSlew_UlspS_f32	11.9476995
k_NormalModeEngTransThresh_Rpm_f32	1386.52539
k_NormalModeVehSpdTransThresh_Kph_f32	80.2996979
k_StopMode1AssistSlew_UlspS_f32	187.938507
k_StopMode1HwTrqTransThresh_HwNm_f32	7.03450012
k_StopMode1HwVelTransThresh_HwDegpS_f32	166.165405
k_StopMode1Timer_Sec_u16	4
k_StopMode1VehSpdTransThresh_Kph_f32	152.588699
k_StopMode2AssistSlew_UlspS_f32	81.1352997
k_StopMode2HwTrqTransThresh_HwNm_f32	1.45210004
k_StopMode2HwVelTransThresh_HwDegpS_f32	190.390701
k_StopMode2Timer_Sec_u16	2
k_StopMode2VehSpdTransThresh_Kph_f32	39.7570992
k_StopModeAssistDD_Uls_f32	1
target_DtrmnElapsedTime_mS_u32_ElapsedTime	74450
target_GetSystemTime_mS_u32_CurrentTime	19000
target_Rte_Inst_Ap_GMStrtStop.StrtStop_Per1_APASState_State_enum	target_StrtStop_Per1_APASState_State_enum
target_Rte_Inst_Ap_GMStrtStop.StrtStop_Per1_EngSpd_Rpm_f32	target_StrtStop_Per1_EngSpd_Rpm_f32
target_Rte_Inst_Ap_GMStrtStop.StrtStop_Per1_HandwheelVelocity_HwRadpS_f32	target_StrtStop_Per1_HandwheelVelocity_HwRadpS_f32
target_Rte_Inst_Ap_GMStrtStop.StrtStop_Per1_HwTorque_HwNm_f32	target_StrtStop_Per1_HwTorque_HwNm_f32
target_Rte_Inst_Ap_GMStrtStop.StrtStop_Per1_SS12VFault_Cnt_lgc	target_StrtStop_Per1_SS12VFault_Cnt_lgc
target_Rte_Inst_Ap_GMStrtStop.StrtStop_Per1_SSScale_Uls_f32	target_StrtStop_Per1_SSScale_Uls_f32
target_Rte_Inst_Ap_GMStrtStop.StrtStop_Per1_SSSlew_UlspS_f32	target_StrtStop_Per1_SSSlew_UlspS_f32
target_Rte_Inst_Ap_GMStrtStop.StrtStop_Per1_SSState_State_enum	target_StrtStop_Per1_SSState_State_enum
target_Rte_Inst_Ap_GMStrtStop.StrtStop_Per1_VehicleSpeed_Kph_f32	target_StrtStop_Per1_VehicleSpeed_Kph_f32
target_StrtStop_Per1_APASState_State_enum.value	2
target_StrtStop_Per1_EngSpd_Rpm_f32.value	3144.60181
target_StrtStop_Per1_HandwheelVelocity_HwRadpS_f32.value	50.0172997
target_StrtStop_Per1_HwTorque_HwNm_f32.value	10
target_StrtStop_Per1_SS12VFault_Cnt_lgc.value	1
target_StrtStop_Per1_VehicleSpeed_Kph_f32.value	180.089996

Name	Actual Value	Expected Value	Result
StrtStop_SSScale_Uls_M_f32	1	1	✓
StrtStop_SSSlewRatePrev_UlspS_M_f32	447.815613	447.815613 ± 0.1	✓
StrtStop_StOpModePrevPrev_Cnt_M_enum	3	3	✓
StrtStop_StOpModePrev_Cnt_M_enum	4	4	✓
StrtStop_StOpMode_Cnt_M_enum	4	4	✓
StrtStop_StopModeTimer1_mS_M_u32	3370834688	3370834688	✓
StrtStop_StopModeTimer2_mS_M_u32	2653925632	2653925632	✓
target_StrtStop_Per1_SSScale_Uls_f32.value	1	1 ± 0.0001	✓
target_StrtStop_Per1_SSSlew_UlspS_f32.value	447.815613	447.815613 ± 0.1	✓
target_StrtStop_Per1_SSState_State_enum.value	4	4	✓

## Test Step Call Trace

Actual Function	Count	Expected Function	Count	Result
PreviousStCalc	1	PreviousStCalc	1	✓
SlewRateCalc	1	SlewRateCalc	1	✓

# TEST DETAILS REPORT

2016-07-18, 16:07:36+0530



StrtStop\_Per1

## Test Step 2.18 (Repeat Count = 1)

Name	Input Value
DtrmnElapsedTime_mS_u32(ElapsedTime)	target_DtrmnElapsedTime_mS_u32_ElapsedTime
GetSystemTime_mS_u32(CurrentTime)	target_GetSystemTime_mS_u32_CurrentTime
Rte_Inst_Ap_GMStrtStop	target_Rte_Inst_Ap_GMStrtStop
StrtStop_SSScale_Uls_M_f32	0.0795999989
StrtStop_SSSlewRatePrev_UlspS_M_f32	57.0116997
StrtStop_StOpModePrevPrev_Cnt_M_enum	2
StrtStop_StOpModePrev_Cnt_M_enum	1
StrtStop_StOpMode_Cnt_M_enum	1
StrtStop_StopModeTimer1_mS_M_u32	973746688
StrtStop_StopModeTimer2_mS_M_u32	2165551104
k_AlgEnable_Cnt_lgc	0
k_FltRspRampDnRt_UlspS_f32	12.1632004
k_Mode1AssistDD_Uls_f32	0.249899998
k_Mode1AssistSlew_UlspS_f32	464.909302
k_Mode1EngTransThresh_Rpm_f32	10430.21
k_Mode1VehSpdTransThresh_Kph_f32	90.9432983
k_Mode2AssistDD_Uls_f32	1
k_Mode2AssistSlew_UlspS_f32	70.3218994
k_Mode2VehSpdTransThresh_Kph_f32	58.4163017
k_NormalModeAssistSlew_UlspS_f32	51.281601
k_NormalModeEngTransThresh_Rpm_f32	1361.36694
k_NormalModeVehSpdTransThresh_Kph_f32	197.349197
k_StopMode1AssistSlew_UlspS_f32	132.986099
k_StopMode1HwTrqTransThresh_HwNm_f32	2.67090011
k_StopMode1HwVelTransThresh_HwDegpS_f32	247.344803
k_StopMode1Timer_Sec_u16	2
k_StopMode1VehSpdTransThres_Kph_f32	48.1529999
k_StopMode2AssistSlew_UlspS_f32	210.650208
k_StopMode2HwTrqTransThresh_HwNm_f32	5.80340004
k_StopMode2HwVelTransThresh_HwDegpS_f32	38.7820015
k_StopMode2Timer_Sec_u16	5
k_StopMode2VehSpdTransThresh_Kph_f32	11.0732002
k_StopModeAssistDD_Uls_f32	0.568400025
target_DtrmnElapsedTime_mS_u32_ElapsedTime	79600
target_GetSystemTime_mS_u32_CurrentTime	20350
target_Rte_Inst_Ap_GMStrtStop.StrtStop_Per1_APASState_State_enum	target_StrtStop_Per1_APASState_State_enum
target_Rte_Inst_Ap_GMStrtStop.StrtStop_Per1_EngSpd_Rpm_f32	target_StrtStop_Per1_EngSpd_Rpm_f32
target_Rte_Inst_Ap_GMStrtStop.StrtStop_Per1_HandwheelVelocity_HwRadpS_f32	target_StrtStop_Per1_HandwheelVelocity_HwRadpS_f32
target_Rte_Inst_Ap_GMStrtStop.StrtStop_Per1_HwTorque_HwNm_f32	target_StrtStop_Per1_HwTorque_HwNm_f32
target_Rte_Inst_Ap_GMStrtStop.StrtStop_Per1_SS12VFault_Cnt_lgc	target_StrtStop_Per1_SS12VFault_Cnt_lgc
target_Rte_Inst_Ap_GMStrtStop.StrtStop_Per1_SSScale_Uls_f32	target_StrtStop_Per1_SSScale_Uls_f32
target_Rte_Inst_Ap_GMStrtStop.StrtStop_Per1_SSSlew_UlspS_f32	target_StrtStop_Per1_SSSlew_UlspS_f32
target_Rte_Inst_Ap_GMStrtStop.StrtStop_Per1_SSState_State_enum	target_StrtStop_Per1_SSState_State_enum
target_Rte_Inst_Ap_GMStrtStop.StrtStop_Per1_VehicleSpeed_Kph_f32	target_StrtStop_Per1_VehicleSpeed_Kph_f32
target_StrtStop_Per1_APASState_State_enum.value	4
target_StrtStop_Per1_EngSpd_Rpm_f32.value	11123.8252
target_StrtStop_Per1_HandwheelVelocity_HwRadpS_f32.value	51.2145004
target_StrtStop_Per1_HwTorque_HwNm_f32.value	4.25
target_StrtStop_Per1_SS12VFault_Cnt_lgc.value	0
target_StrtStop_Per1_VehicleSpeed_Kph_f32.value	44.7289009

Name	Actual Value	Expected Value	Result
StrtStop_SSScale_Uls_M_f32	1	1	✓
StrtStop_SSSlewRatePrev_UlspS_M_f32	12.1632004	12.1632004 ± 0.1	✓
StrtStop_StOpModePrevPrev_Cnt_M_enum	1	1	✓
StrtStop_StOpModePrev_Cnt_M_enum	5	5	✓
StrtStop_StOpMode_Cnt_M_enum	5	5	✓
StrtStop_StopModeTimer1_mS_M_u32	973746688	973746688	✓
StrtStop_StopModeTimer2_mS_M_u32	2165551104	2165551104	✓
target_StrtStop_Per1_SSScale_Uls_f32.value	1	1 ± 0.0001	✓
target_StrtStop_Per1_SSSlew_UlspS_f32.value	12.1632004	12.1632004 ± 0.1	✓
target_StrtStop_Per1_SSState_State_enum.value	5	5	✓

## Test Step Call Trace

Actual Function	Count	Expected Function	Count	Result
PreviousStCalc	1	PreviousStCalc	1	✓
SlewRateCalc	1	SlewRateCalc	1	✓

# TEST DETAILS REPORT

2016-07-18, 16:07:36+0530



StrtStop\_Per1

Test Step 2.19 (Repeat Count = 1) ✓				
Name	Input Value			
DtrmnElapsedTime_mS_u32(ElapsedTime)	target_DtrmnElapsedTime_mS_u32_ElapsedTime			
GetSystemTime_mS_u32(CurrentTime)	target_GetSystemTime_mS_u32_CurrentTime			
Rte_Inst_Ap_GMStrtStop	target_Rte_Inst_Ap_GMStrtStop			
StrtStop_SSScale_Uls_M_f32	1			
StrtStop_SSSlewRatePrev_UlspS_M_f32	452.851105			
StrtStop_StOpModePrevPrev_Cnt_M_enum	0			
StrtStop_StOpModePrev_Cnt_M_enum	2			
StrtStop_StOpMode_Cnt_M_enum	5			
StrtStop_StopModeTimer1_mS_M_u32	885533952			
StrtStop_StopModeTimer2_mS_M_u32	1797501696			
k_AlgEnable_Cnt_lgc	0			
k_FltRspRampDnRt_UlspS_f32	7.61969995			
k_Mode1AssistDD_Uls_f32	0.316799998			
k_Mode1AssistSlew_UlspS_f32	328.851715			
k_Mode1EngTransThresh_Rpm_f32	10748.9854			
k_Mode1VehSpdTransThresh_Kph_f32	118.811996			
k_Mode2AssistDD_Uls_f32	0.172000006			
k_Mode2AssistSlew_UlspS_f32	8.56840038			
k_Mode2VehSpdTransThresh_Kph_f32	59.9752007			
k_NormalModeAssistSlew_UlspS_f32	465.455597			
k_NormalModeEngTransThresh_Rpm_f32	4011.95996			
k_NormalModeVehSpdTransThresh_Kph_f32	129.335403			
k_StopMode1AssistSlew_UlspS_f32	81.8487015			
k_StopMode1HwTrqTransThresh_HwNm_f32	4.59429979			
k_StopMode1HwVelTransThresh_HwDegpS_f32	96.4452972			
k_StopMode1Timer_Sec_u16	4			
k_StopMode1VehSpdTransThresh_Kph_f32	122.662102			
k_StopMode2AssistSlew_UlspS_f32	451.868591			
k_StopMode2HwTrqTransThresh_HwNm_f32	9.91489983			
k_StopMode2HwVelTransThresh_HwDegpS_f32	31.6693993			
k_StopMode2Timer_Sec_u16	3			
k_StopMode2VehSpdTransThresh_Kph_f32	79.2502975			
k_StopModeAssistDD_Uls_f32	0.645299971			
target_DtrmnElapsedTime_mS_u32_ElapsedTime	84750			
target_GetSystemTime_mS_u32_CurrentTime	21700			
target_Rte_Inst_Ap_GMStrtStop.StrtStop_Per1_APASState_State_enum	target_StrtStop_Per1_APASState_State_enum			
target_Rte_Inst_Ap_GMStrtStop.StrtStop_Per1_EngSpd_Rpm_f32	target_StrtStop_Per1_EngSpd_Rpm_f32			
target_Rte_Inst_Ap_GMStrtStop.StrtStop_Per1_HandwheelVelocity_HwRadpS_f32	target_StrtStop_Per1_HandwheelVelocity_HwRadpS_f32			
target_Rte_Inst_Ap_GMStrtStop.StrtStop_Per1_HwTorque_HwNm_f32	target_StrtStop_Per1_HwTorque_HwNm_f32			
target_Rte_Inst_Ap_GMStrtStop.StrtStop_Per1_SS12VFault_Cnt_lgc	target_StrtStop_Per1_SS12VFault_Cnt_lgc			
target_Rte_Inst_Ap_GMStrtStop.StrtStop_Per1_SSScale_Uls_f32	target_StrtStop_Per1_SSScale_Uls_f32			
target_Rte_Inst_Ap_GMStrtStop.StrtStop_Per1_SSSlew_UlspS_f32	target_StrtStop_Per1_SSSlew_UlspS_f32			
target_Rte_Inst_Ap_GMStrtStop.StrtStop_Per1_SSState_State_enum	target_StrtStop_Per1_SSState_State_enum			
target_Rte_Inst_Ap_GMStrtStop.StrtStop_Per1_VehicleSpeed_Kph_f32	target_StrtStop_Per1_VehicleSpeed_Kph_f32			
target_StrtStop_Per1_APASState_State_enum.value	0			
target_StrtStop_Per1_EngSpd_Rpm_f32.value	7442.08203			
target_StrtStop_Per1_HandwheelVelocity_HwRadpS_f32.value	-19.8146			
target_StrtStop_Per1_HwTorque_HwNm_f32.value	0			
target_StrtStop_Per1_SS12VFault_Cnt_lgc.value	1			
target_StrtStop_Per1_VehicleSpeed_Kph_f32.value	71.569397			
Name	Actual Value	Expected Value	Result	
StrtStop_SSScale_Uls_M_f32	1	1	✓	
StrtStop_SSSlewRatePrev_UlspS_M_f32	7.61969995	7.61969995 ± 0.1	✓	
StrtStop_StOpModePrevPrev_Cnt_M_enum	2	2	✓	
StrtStop_StOpModePrev_Cnt_M_enum	5	5	✓	
StrtStop_StOpMode_Cnt_M_enum	5	5	✓	
StrtStop_StopModeTimer1_mS_M_u32	885533952	885533952	✓	
StrtStop_StopModeTimer2_mS_M_u32	1797501696	1797501696	✓	
target_StrtStop_Per1_SSScale_Uls_f32.value	1	1 ± 0.0001	✓	
target_StrtStop_Per1_SSSlew_UlspS_f32.value	7.61969995	7.61969995 ± 0.1	✓	
target_StrtStop_Per1_SSState_State_enum.value	5	5	✓	

Test Step Call Trace ✓				
Actual Function	Count	Expected Function	Count	Result
PreviousStCalc	1	PreviousStCalc	1	✓
SlewRateCalc	1	SlewRateCalc	1	✓



# TEST DETAILS REPORT

2016-07-18, 16:07:36+0530



StrtStop\_Per1

Test Step 2.20 (Repeat Count = 1)				
Name	Input Value			
DtrmnElapsedTime_mS_u32(ElapsedTime)	target_DtrmnElapsedTime_mS_u32_ElapsedTime			
GetSystemTime_mS_u32(CurrentTime)	target_GetSystemTime_mS_u32_CurrentTime			
Rte_Inst_Ap_GMStrtStop	target_Rte_Inst_Ap_GMStrtStop			
StrtStop_SSScale_Uls_M_f32	0.987100005			
StrtStop_SSSlewRatePrev_UlspS_M_f32	311.493805			
StrtStop_StOpModePrevPrev_Cnt_M_enum	0			
StrtStop_StOpModePrev_Cnt_M_enum	2			
StrtStop_StOpMode_Cnt_M_enum	1			
StrtStop_StopModeTimer1_mS_M_u32	3392814080			
StrtStop_StopModeTimer2_mS_M_u32	3837766144			
k_AlgEnable_Cnt_lgc	1			
k_FltRspRampDnRt_UlspS_f32	255.894196			
k_Mode1AssistDD_Uls_f32	0.99970001			
k_Mode1AssistSlew_UlspS_f32	452.424988			
k_Mode1EngTransThresh_Rpm_f32	2491.32495			
k_Mode1VehSpdTransThresh_Kph_f32	14.8287001			
k_Mode2AssistDD_Uls_f32	0.758099973			
k_Mode2AssistSlew_UlspS_f32	39.8352013			
k_Mode2VehSpdTransThresh_Kph_f32	82.7174988			
k_NormalModeAssistSlew_UlspS_f32	99.6003036			
k_NormalModeEngTransThresh_Rpm_f32	3695.53052			
k_NormalModeVehSpdTransThresh_Kph_f32	174.910294			
k_StopMode1AssistSlew_UlspS_f32	100.589104			
k_StopMode1HwTrqTransThresh_HwNm_f32	4.13810015			
k_StopMode1HwVelTransThresh_HwDegpS_f32	4.5394001			
k_StopMode1Timer_Sec_u16	2			
k_StopMode1VehSpdTransThresh_Kph_f32	100.466103			
k_StopMode2AssistSlew_UlspS_f32	61.6678009			
k_StopMode2HwTrqTransThresh_HwNm_f32	0.396899998			
k_StopMode2HwVelTransThresh_HwDegpS_f32	42.6355019			
k_StopMode2Timer_Sec_u16	1			
k_StopMode2VehSpdTransThresh_Kph_f32	116.780098			
k_StopModeAssistDD_Uls_f32	0.897300005			
target_DtrmnElapsedTime_mS_u32_ElapsedTime	89900			
target_GetSystemTime_mS_u32_CurrentTime	23050			
target_Rte_Inst_Ap_GMStrtStop.StrtStop_Per1_APASState_State_enum	target_StrtStop_Per1_APASState_State_enum			
target_Rte_Inst_Ap_GMStrtStop.StrtStop_Per1_EngSpd_Rpm_f32	target_StrtStop_Per1_EngSpd_Rpm_f32			
target_Rte_Inst_Ap_GMStrtStop.StrtStop_Per1_HandwheelVelocity_HwRadpS_f32	target_StrtStop_Per1_HandwheelVelocity_HwRadpS_f32			
target_Rte_Inst_Ap_GMStrtStop.StrtStop_Per1_HwTorque_HwNm_f32	target_StrtStop_Per1_HwTorque_HwNm_f32			
target_Rte_Inst_Ap_GMStrtStop.StrtStop_Per1_SS12VFault_Cnt_lgc	target_StrtStop_Per1_SS12VFault_Cnt_lgc			
target_Rte_Inst_Ap_GMStrtStop.StrtStop_Per1_SSScale_Uls_f32	target_StrtStop_Per1_SSScale_Uls_f32			
target_Rte_Inst_Ap_GMStrtStop.StrtStop_Per1_SSSlew_UlspS_f32	target_StrtStop_Per1_SSSlew_UlspS_f32			
target_Rte_Inst_Ap_GMStrtStop.StrtStop_Per1_SSState_State_enum	target_StrtStop_Per1_SSState_State_enum			
target_Rte_Inst_Ap_GMStrtStop.StrtStop_Per1_VehicleSpeed_Kph_f32	target_StrtStop_Per1_VehicleSpeed_Kph_f32			
target_StrtStop_Per1_APASState_State_enum.value	0			
target_StrtStop_Per1_EngSpd_Rpm_f32.value	5849.73438			
target_StrtStop_Per1_HandwheelVelocity_HwRadpS_f32.value	81.5229034			
target_StrtStop_Per1_HwTorque_HwNm_f32.value	-9.14000034			
target_StrtStop_Per1_SS12VFault_Cnt_lgc.value	0			
target_StrtStop_Per1_VehicleSpeed_Kph_f32.value	111.213699			
Name	Actual Value	Expected Value	Result	
StrtStop_SSScale_Uls_M_f32	1	1	✓	
StrtStop_SSSlewRatePrev_UlspS_M_f32	99.6003036	99.6003036 ± 0.1	✓	
StrtStop_StOpModePrevPrev_Cnt_M_enum	2	2	✓	
StrtStop_StOpModePrev_Cnt_M_enum	0	0	✓	
StrtStop_StOpMode_Cnt_M_enum	0	0	✓	
StrtStop_StopModeTimer1_mS_M_u32	3392814080	3392814080	✓	
StrtStop_StopModeTimer2_mS_M_u32	3837766144	3837766144	✓	
target_StrtStop_Per1_SSScale_Uls_f32.value	1	1 ± 0.0001	✓	
target_StrtStop_Per1_SSSlew_UlspS_f32.value	99.6003036	99.6003036 ± 0.1	✓	
target_StrtStop_Per1_SSState_State_enum.value	0	0	✓	

Test Step Call Trace				
Actual Function	Count	Expected Function	Count	Result
DtrmnElapsedTime_mS_u32	1	DtrmnElapsedTime_mS_u32	1	✓
PreviousStCalc	1	PreviousStCalc	1	✓
SlewRateCalc	1	SlewRateCalc	1	✓



# TEST DETAILS REPORT

2016-07-18, 16:07:36+0530



StrtStop\_Per1

Test Step 2.21 (Repeat Count = 1) ✓				
Name	Input Value			
DtrmnElapsedTime_mS_u32(ElapsedTime)	target_DtrmnElapsedTime_mS_u32_ElapsedTime			
GetSystemTime_mS_u32(CurrentTime)	target_GetSystemTime_mS_u32_CurrentTime			
Rte_Inst_Ap_GMStrtStop	target_Rte_Inst_Ap_GMStrtStop			
StrtStop_SSScale_Uls_M_f32	0.814800024			
StrtStop_SSSlewRatePrev_UlspS_M_f32	445.952301			
StrtStop_StOpModePrevPrev_Cnt_M_enum	2			
StrtStop_StOpModePrev_Cnt_M_enum	0			
StrtStop_StOpMode_Cnt_M_enum	3			
StrtStop_StopModeTimer1_mS_M_u32	685772544			
StrtStop_StopModeTimer2_mS_M_u32	8897792			
k_AlgEnable_Cnt_lgc	1			
k_FltRspRampDnRt_UlspS_f32	153.307297			
k_Mode1AssistDD_Uls_f32	1			
k_Mode1AssistSlew_UlspS_f32	27.6222			
k_Mode1EngTransThresh_Rpm_f32	11278.5742			
k_Mode1VehSpdTransThresh_Kph_f32	23.5977993			
k_Mode2AssistDD_Uls_f32	1			
k_Mode2AssistSlew_UlspS_f32	1.03480005			
k_Mode2VehSpdTransThresh_Kph_f32	70.4207001			
k_NormalModeAssistSlew_UlspS_f32	163.784805			
k_NormalModeEngTransThresh_Rpm_f32	1195.66125			
k_NormalModeVehSpdTransThresh_Kph_f32	48.7728996			
k_StopMode1AssistSlew_UlspS_f32	291.852203			
k_StopMode1HwTrqTransThresh_HwNm_f32	8.12730026			
k_StopMode1HwVelTransThresh_HwDegpS_f32	204.132996			
k_StopMode1Timer_Sec_u16	1			
k_StopMode1VehSpdTransThresh_Kph_f32	103.247902			
k_StopMode2AssistSlew_UlspS_f32	75.3758011			
k_StopMode2HwTrqTransThresh_HwNm_f32	0.56400001			
k_StopMode2HwVelTransThresh_HwDegpS_f32	213.414307			
k_StopMode2Timer_Sec_u16	5			
k_StopMode2VehSpdTransThresh_Kph_f32	119.694504			
k_StopModeAssistDD_Uls_f32	1			
target_DtrmnElapsedTime_mS_u32_ElapsedTime	95050			
target_GetSystemTime_mS_u32_CurrentTime	24400			
target_Rte_Inst_Ap_GMStrtStop.StrtStop_Per1_APASState_State_enum	target_StrtStop_Per1_APASState_State_enum			
target_Rte_Inst_Ap_GMStrtStop.StrtStop_Per1_EngSpd_Rpm_f32	target_StrtStop_Per1_EngSpd_Rpm_f32			
target_Rte_Inst_Ap_GMStrtStop.StrtStop_Per1_HandwheelVelocity_HwRadpS_f32	target_StrtStop_Per1_HandwheelVelocity_HwRadpS_f32			
target_Rte_Inst_Ap_GMStrtStop.StrtStop_Per1_HwTorque_HwNm_f32	target_StrtStop_Per1_HwTorque_HwNm_f32			
target_Rte_Inst_Ap_GMStrtStop.StrtStop_Per1_SS12VFault_Cnt_lgc	target_StrtStop_Per1_SS12VFault_Cnt_lgc			
target_Rte_Inst_Ap_GMStrtStop.StrtStop_Per1_SSScale_Uls_f32	target_StrtStop_Per1_SSScale_Uls_f32			
target_Rte_Inst_Ap_GMStrtStop.StrtStop_Per1_SSSlew_UlspS_f32	target_StrtStop_Per1_SSSlew_UlspS_f32			
target_Rte_Inst_Ap_GMStrtStop.StrtStop_Per1_SSState_State_enum	target_StrtStop_Per1_SSState_State_enum			
target_Rte_Inst_Ap_GMStrtStop.StrtStop_Per1_VehicleSpeed_Kph_f32	target_StrtStop_Per1_VehicleSpeed_Kph_f32			
target_StrtStop_Per1_APASState_State_enum.value	1			
target_StrtStop_Per1_EngSpd_Rpm_f32.value	2457.40259			
target_StrtStop_Per1_HandwheelVelocity_HwRadpS_f32.value	49.9473991			
target_StrtStop_Per1_HwTorque_HwNm_f32.value	10			
target_StrtStop_Per1_SS12VFault_Cnt_lgc.value	0			
target_StrtStop_Per1_VehicleSpeed_Kph_f32.value	71.4710999			
Name	Actual Value	Expected Value	Result	
StrtStop_SSScale_Uls_M_f32	1	1	✓	
StrtStop_SSSlewRatePrev_UlspS_M_f32	163.784805	163.784805 ± 0.1	✓	
StrtStop_StOpModePrevPrev_Cnt_M_enum	2	2	✓	
StrtStop_StOpModePrev_Cnt_M_enum	0	0	✓	
StrtStop_StOpMode_Cnt_M_enum	0	0	✓	
StrtStop_StopModeTimer1_mS_M_u32	685772544	685772544	✓	
StrtStop_StopModeTimer2_mS_M_u32	8897792	8897792	✓	
target_StrtStop_Per1_SSScale_Uls_f32.value	1	1 ± 0.0001	✓	
target_StrtStop_Per1_SSSlew_UlspS_f32.value	163.784805	163.784805 ± 0.1	✓	
target_StrtStop_Per1_SSState_State_enum.value	0	0	✓	

Test Step Call Trace ✓				
Actual Function	Count	Expected Function	Count	Result
DtrmnElapsedTime_mS_u32	1	DtrmnElapsedTime_mS_u32	1	✓
PreviousStCalc	1	PreviousStCalc	1	✓
SlewRateCalc	1	SlewRateCalc	1	✓

# TEST DETAILS REPORT

2016-07-18, 16:07:36+0530



StrtStop\_Per1

Test Step 2.22 (Repeat Count = 1)				
Name	Input Value			
DtrmnElapsedTime_mS_u32(ElapsedTime)	target_DtrmnElapsedTime_mS_u32_ElapsedTime			
GetSystemTime_mS_u32(CurrentTime)	target_GetSystemTime_mS_u32_CurrentTime			
Rte_Inst_Ap_GMStrtStop	target_Rte_Inst_Ap_GMStrtStop			
StrtStop_SSScale_Uls_M_f32	1			
StrtStop_SSSlewRatePrev_UlspS_M_f32	379.210785			
StrtStop_StOpModePrevPrev_Cnt_M_enum	2			
StrtStop_StOpModePrev_Cnt_M_enum	2			
StrtStop_StOpMode_Cnt_M_enum	2			
StrtStop_StopModeTimer1_mS_M_u32	2683999744			
StrtStop_StopModeTimer2_mS_M_u32	2203808768			
k_AlgEnable_Cnt_lgc	1			
k_FltRspRampDnRt_UlspS_f32	5.75169992			
k_Mode1AssistDD_Uls_f32	1			
k_Mode1AssistSlew_UlspS_f32	180.722595			
k_Mode1EngTransThresh_Rpm_f32	15465.2256			
k_Mode1VehSpdTransThresh_Kph_f32	190.770203			
k_Mode2AssistDD_Uls_f32	1			
k_Mode2AssistSlew_UlspS_f32	171.580093			
k_Mode2VehSpdTransThresh_Kph_f32	127.958298			
k_NormalModeAssistSlew_UlspS_f32	285.119385			
k_NormalModeEngTransThresh_Rpm_f32	9826.32129			
k_NormalModeVehSpdTransThresh_Kph_f32	181.860504			
k_StopMode1AssistSlew_UlspS_f32	447.003204			
k_StopMode1HwTrqTransThresh_HwNm_f32	9.61079979			
k_StopMode1HwVelTransThresh_HwDegpS_f32	194.537506			
k_StopMode1Timer_Sec_u16	0			
k_StopMode1VehSpdTransThresh_Kph_f32	72.7585983			
k_StopMode2AssistSlew_UlspS_f32	468.228485			
k_StopMode2HwTrqTransThresh_HwNm_f32	2.03609991			
k_StopMode2HwVelTransThresh_HwDegpS_f32	78.3593979			
k_StopMode2Timer_Sec_u16	4			
k_StopMode2VehSpdTransThresh_Kph_f32	53.3773994			
k_StopModeAssistDD_Uls_f32	0.650699973			
target_DtrmnElapsedTime_mS_u32_ElapsedTime	100200			
target_GetSystemTime_mS_u32_CurrentTime	25750			
target_Rte_Inst_Ap_GMStrtStop.StrtStop_Per1_APASState_State_enum	target_StrtStop_Per1_APASState_State_enum			
target_Rte_Inst_Ap_GMStrtStop.StrtStop_Per1_EngSpd_Rpm_f32	target_StrtStop_Per1_EngSpd_Rpm_f32			
target_Rte_Inst_Ap_GMStrtStop.StrtStop_Per1_HandwheelVelocity_HwRadpS_f32	target_StrtStop_Per1_HandwheelVelocity_HwRadpS_f32			
target_Rte_Inst_Ap_GMStrtStop.StrtStop_Per1_HwTorque_HwNm_f32	target_StrtStop_Per1_HwTorque_HwNm_f32			
target_Rte_Inst_Ap_GMStrtStop.StrtStop_Per1_SS12VFault_Cnt_lgc	target_StrtStop_Per1_SS12VFault_Cnt_lgc			
target_Rte_Inst_Ap_GMStrtStop.StrtStop_Per1_SSScale_Uls_f32	target_StrtStop_Per1_SSScale_Uls_f32			
target_Rte_Inst_Ap_GMStrtStop.StrtStop_Per1_SSSlew_UlspS_f32	target_StrtStop_Per1_SSSlew_UlspS_f32			
target_Rte_Inst_Ap_GMStrtStop.StrtStop_Per1_SSState_State_enum	target_StrtStop_Per1_SSState_State_enum			
target_Rte_Inst_Ap_GMStrtStop.StrtStop_Per1_VehicleSpeed_Kph_f32	target_StrtStop_Per1_VehicleSpeed_Kph_f32			
target_StrtStop_Per1_APASState_State_enum.value	0			
target_StrtStop_Per1_EngSpd_Rpm_f32.value	11541.3486			
target_StrtStop_Per1_HandwheelVelocity_HwRadpS_f32.value	-82.199501			
target_StrtStop_Per1_HwTorque_HwNm_f32.value	3.29250002			
target_StrtStop_Per1_SS12VFault_Cnt_lgc.value	1			
target_StrtStop_Per1_VehicleSpeed_Kph_f32.value	41.0653992			
Name	Actual Value	Expected Value	Result	
StrtStop_SSScale_Uls_M_f32	1	1	✓	
StrtStop_SSSlewRatePrev_UlspS_M_f32	5.75169992	5.75169992 ± 0.1	✓	
StrtStop_StOpModePrevPrev_Cnt_M_enum	2	2	✓	
StrtStop_StOpModePrev_Cnt_M_enum	4	4	✓	
StrtStop_StOpMode_Cnt_M_enum	4	4	✓	
StrtStop_StopModeTimer1_mS_M_u32	2683999744	2683999744	✓	
StrtStop_StopModeTimer2_mS_M_u32	2203808768	2203808768	✓	
target_StrtStop_Per1_SSScale_Uls_f32.value	1	1 ± 0.0001	✓	
target_StrtStop_Per1_SSSlew_UlspS_f32.value	5.75169992	5.75169992 ± 0.1	✓	
target_StrtStop_Per1_SSState_State_enum.value	4	4	✓	

Test Step Call Trace				
Actual Function	Count	Expected Function	Count	Result
PreviousStCalc	1	PreviousStCalc	1	✓
SlewRateCalc	1	SlewRateCalc	1	✓

# TEST DETAILS REPORT

2016-07-18, 16:07:36+0530



StrtStop\_Per1

Test Step 2.23 (Repeat Count = 1) ✓				
Name	Input Value			
DtrmnElapsedTime_mS_u32(ElapsedTime)	target_DtrmnElapsedTime_mS_u32_ElapsedTime			
GetSystemTime_mS_u32(CurrentTime)	target_GetSystemTime_mS_u32_CurrentTime			
Rte_Inst_Ap_GMStrtStop	target_Rte_Inst_Ap_GMStrtStop			
StrtStop_SSScale_Uls_M_f32	1			
StrtStop_SSSlewRatePrev_UlspS_M_f32	269.720398			
StrtStop_StOpModePrevPrev_Cnt_M_enum	3			
StrtStop_StOpModePrev_Cnt_M_enum	5			
StrtStop_StOpMode_Cnt_M_enum	0			
StrtStop_StopModeTimer1_mS_M_u32	2286796800			
StrtStop_StopModeTimer2_mS_M_u32	2699398656			
k_AlgEnable_Cnt_lgc	1			
k_FltRspRampDnRt_UlspS_f32	54.6221008			
k_Mode1AssistDD_Uls_f32	0.104800001			
k_Mode1AssistSlew_UlspS_f32	58.0559998			
k_Mode1EngTransThresh_Rpm_f32	10000			
k_Mode1VehSpdTransThresh_Kph_f32	176.499298			
k_Mode2AssistDD_Uls_f32	1			
k_Mode2AssistSlew_UlspS_f32	253.861099			
k_Mode2VehSpdTransThresh_Kph_f32	79.3906021			
k_NormalModeAssistSlew_UlspS_f32	461.99649			
k_NormalModeEngTransThresh_Rpm_f32	4844.68066			
k_NormalModeVehSpdTransThresh_Kph_f32	14.0177002			
k_StopMode1AssistSlew_UlspS_f32	39.9639015			
k_StopMode1HwTrqTransThresh_HwNm_f32	5.77990007			
k_StopMode1HwVelTransThresh_HwDegpS_f32	64.2413025			
k_StopMode1Timer_Sec_u16	1			
k_StopMode1VehSpdTransThresh_Kph_f32	60.1647987			
k_StopMode2AssistSlew_UlspS_f32	68.3460999			
k_StopMode2HwTrqTransThresh_HwNm_f32	1.96720004			
k_StopMode2HwVelTransThresh_HwDegpS_f32	32.7495003			
k_StopMode2Timer_Sec_u16	4			
k_StopMode2VehSpdTransThresh_Kph_f32	98.3638992			
k_StopModeAssistDD_Uls_f32	0.572799981			
target_DtrmnElapsedTime_mS_u32_ElapsedTime	105350			
target_GetSystemTime_mS_u32_CurrentTime	27100			
target_Rte_Inst_Ap_GMStrtStop.StrtStop_Per1_APASState_State_enum	target_StrtStop_Per1_APASState_State_enum			
target_Rte_Inst_Ap_GMStrtStop.StrtStop_Per1_EngSpd_Rpm_f32	target_StrtStop_Per1_EngSpd_Rpm_f32			
target_Rte_Inst_Ap_GMStrtStop.StrtStop_Per1_HandwheelVelocity_HwRadpS_f32	target_StrtStop_Per1_HandwheelVelocity_HwRadpS_f32			
target_Rte_Inst_Ap_GMStrtStop.StrtStop_Per1_HwTorque_HwNm_f32	target_StrtStop_Per1_HwTorque_HwNm_f32			
target_Rte_Inst_Ap_GMStrtStop.StrtStop_Per1_SS12VFault_Cnt_lgc	target_StrtStop_Per1_SS12VFault_Cnt_lgc			
target_Rte_Inst_Ap_GMStrtStop.StrtStop_Per1_SSScale_Uls_f32	target_StrtStop_Per1_SSScale_Uls_f32			
target_Rte_Inst_Ap_GMStrtStop.StrtStop_Per1_SSSlew_UlspS_f32	target_StrtStop_Per1_SSSlew_UlspS_f32			
target_Rte_Inst_Ap_GMStrtStop.StrtStop_Per1_SSState_State_enum	target_StrtStop_Per1_SSState_State_enum			
target_Rte_Inst_Ap_GMStrtStop.StrtStop_Per1_VehicleSpeed_Kph_f32	target_StrtStop_Per1_VehicleSpeed_Kph_f32			
target_StrtStop_Per1_APASState_State_enum.value	0			
target_StrtStop_Per1_EngSpd_Rpm_f32.value	8687.39941			
target_StrtStop_Per1_HandwheelVelocity_HwRadpS_f32.value	43.3185997			
target_StrtStop_Per1_HwTorque_HwNm_f32.value	8.95400047			
target_StrtStop_Per1_SS12VFault_Cnt_lgc.value	0			
target_StrtStop_Per1_VehicleSpeed_Kph_f32.value	0			
Name	Actual Value	Expected Value	Result	
StrtStop_SSScale_Uls_M_f32	0.104800001	0.104800001	✓	
StrtStop_SSSlewRatePrev_UlspS_M_f32	1	1 ± 0.1	✓	
StrtStop_StOpModePrevPrev_Cnt_M_enum	5	5	✓	
StrtStop_StOpModePrev_Cnt_M_enum	1	1	✓	
StrtStop_StOpMode_Cnt_M_enum	1	1	✓	
StrtStop_StopModeTimer1_mS_M_u32	27100	27100	✓	
StrtStop_StopModeTimer2_mS_M_u32	2699398656	2699398656	✓	
target_StrtStop_Per1_SSScale_Uls_f32.value	0.104800001	0.104800001 ± 0.0001	✓	
target_StrtStop_Per1_SSSlew_UlspS_f32.value	1	1 ± 0.1	✓	
target_StrtStop_Per1_SSState_State_enum.value	1	1	✓	

Test Step Call Trace ✓				
Actual Function	Count	Expected Function	Count	Result
GetSystemTime_mS_u32	1	GetSystemTime_mS_u32	1	✓
PreviousStCalc	1	PreviousStCalc	1	✓
SlewRateCalc	1	SlewRateCalc	1	✓

# TEST DETAILS REPORT

2016-07-18, 16:07:36+0530



StrtStop\_Per1

## Test Step 2.24 (Repeat Count = 1)

Name	Input Value
DtrmnElapsedTime_mS_u32(ElapsedTime)	target_DtrmnElapsedTime_mS_u32_ElapsedTime
GetSystemTime_mS_u32(CurrentTime)	target_GetSystemTime_mS_u32_CurrentTime
Rte_Inst_Ap_GMStrtStop	target_Rte_Inst_Ap_GMStrtStop
StrtStop_SSScale_Uls_M_f32	0.0888999999
StrtStop_SSSlewRatePrev_UlspS_M_f32	412.906799
StrtStop_StOpModePrevPrev_Cnt_M_enum	1
StrtStop_StOpModePrev_Cnt_M_enum	1
StrtStop_StOpMode_Cnt_M_enum	0
StrtStop_StopModeTimer1_mS_M_u32	2444591872
StrtStop_StopModeTimer2_mS_M_u32	816191744
k_AlgEnable_Cnt_lgc	1
k_FltRspRampDnRt_UlspS_f32	408.963806
k_Mode1AssistDD_Uls_f32	0.460900009
k_Mode1AssistSlew_UlspS_f32	157.200607
k_Mode1EngTransThresh_Rpm_f32	11000
k_Mode1VehSpdTransThresh_Kph_f32	116.117699
k_Mode2AssistDD_Uls_f32	1
k_Mode2AssistSlew_UlspS_f32	342.291412
k_Mode2VehSpdTransThresh_Kph_f32	94.5832977
k_NormalModeAssistSlew_UlspS_f32	374.949707
k_NormalModeEngTransThresh_Rpm_f32	9944.76855
k_NormalModeVehSpdTransThresh_Kph_f32	36.0661011
k_StopMode1AssistSlew_UlspS_f32	483.633209
k_StopMode1HwTrqTransThresh_HwNm_f32	10
k_StopMode1HwVelTransThresh_HwDegpS_f32	69.6998978
k_StopMode1Timer_Sec_u16	2
k_StopMode1VehSpdTransThresh_Kph_f32	89.1539993
k_StopMode2AssistSlew_UlspS_f32	454.617889
k_StopMode2HwTrqTransThresh_HwNm_f32	1.76419997
k_StopMode2HwVelTransThresh_HwDegpS_f32	7.82110023
k_StopMode2Timer_Sec_u16	1
k_StopMode2VehSpdTransThresh_Kph_f32	145.548904
k_StopModeAssistDD_Uls_f32	0.389699996
target_DtrmnElapsedTime_mS_u32_ElapsedTime	110500
target_GetSystemTime_mS_u32_CurrentTime	28450
target_Rte_Inst_Ap_GMStrtStop.StrtStop_Per1_APASState_State_enum	target_StrtStop_Per1_APASState_State_enum
target_Rte_Inst_Ap_GMStrtStop.StrtStop_Per1_EngSpd_Rpm_f32	target_StrtStop_Per1_EngSpd_Rpm_f32
target_Rte_Inst_Ap_GMStrtStop.StrtStop_Per1_HandwheelVelocity_HwRadpS_f32	target_StrtStop_Per1_HandwheelVelocity_HwRadpS_f32
target_Rte_Inst_Ap_GMStrtStop.StrtStop_Per1_HwTorque_HwNm_f32	target_StrtStop_Per1_HwTorque_HwNm_f32
target_Rte_Inst_Ap_GMStrtStop.StrtStop_Per1_SS12VFault_Cnt_lgc	target_StrtStop_Per1_SS12VFault_Cnt_lgc
target_Rte_Inst_Ap_GMStrtStop.StrtStop_Per1_SSScale_Uls_f32	target_StrtStop_Per1_SSScale_Uls_f32
target_Rte_Inst_Ap_GMStrtStop.StrtStop_Per1_SSSlew_UlspS_f32	target_StrtStop_Per1_SSSlew_UlspS_f32
target_Rte_Inst_Ap_GMStrtStop.StrtStop_Per1_SSState_State_enum	target_StrtStop_Per1_SSState_State_enum
target_Rte_Inst_Ap_GMStrtStop.StrtStop_Per1_VehicleSpeed_Kph_f32	target_StrtStop_Per1_VehicleSpeed_Kph_f32
target_StrtStop_Per1_APASState_State_enum.value	0
target_StrtStop_Per1_EngSpd_Rpm_f32.value	1468.75183
target_StrtStop_Per1_HandwheelVelocity_HwRadpS_f32.value	-96.8478012
target_StrtStop_Per1_HwTorque_HwNm_f32.value	2.07220006
target_StrtStop_Per1_SS12VFault_Cnt_lgc.value	0
target_StrtStop_Per1_VehicleSpeed_Kph_f32.value	200

Name	Actual Value	Expected Value	Result
StrtStop_SSScale_Uls_M_f32	0.0888999999	0.0888999999	✓
StrtStop_SSSlewRatePrev_UlspS_M_f32	374.949707	374.949707 ± 0.1	✓
StrtStop_StOpModePrevPrev_Cnt_M_enum	1	1	✓
StrtStop_StOpModePrev_Cnt_M_enum	0	0	✓
StrtStop_StOpMode_Cnt_M_enum	0	0	✓
StrtStop_StopModeTimer1_mS_M_u32	2444591872	2444591872	✓
StrtStop_StopModeTimer2_mS_M_u32	816191744	816191744	✓
target_StrtStop_Per1_SSScale_Uls_f32.value	0.0888999999	0.0888999999 ± 0.0001	✓
target_StrtStop_Per1_SSSlew_UlspS_f32.value	374.949707	374.949707 ± 0.1	✓
target_StrtStop_Per1_SSState_State_enum.value	0	0	✓

## Test Step Call Trace

Actual Function	Count	Expected Function	Count	Result
PreviousStCalc	1	PreviousStCalc	1	✓
SlewRateCalc	1	SlewRateCalc	1	✓

# TEST DETAILS REPORT

2016-07-18, 16:07:36+0530



StrtStop\_Per1

Test Step 2.25 (Repeat Count = 1)				
Name	Input Value			
DtrmnElapsedTime_mS_u32(ElapsedTime)	target_DtrmnElapsedTime_mS_u32_ElapsedTime			
GetSystemTime_mS_u32(CurrentTime)	target_GetSystemTime_mS_u32_CurrentTime			
Rte_Inst_Ap_GMStrtStop	target_Rte_Inst_Ap_GMStrtStop			
StrtStop_SSScale_Uls_M_f32	1			
StrtStop_SSSlewRatePrev_UlspS_M_f32	76.8687973			
StrtStop_StOpModePrevPrev_Cnt_M_enum	2			
StrtStop_StOpModePrev_Cnt_M_enum	1			
StrtStop_StOpMode_Cnt_M_enum	0			
StrtStop_StopModeTimer1_mS_M_u32	3158981120			
StrtStop_StopModeTimer2_mS_M_u32	89159680			
k_AlgEnable_Cnt_lgc	1			
k_FltRspRampDnRt_UlspS_f32	408.486298			
k_Mode1AssistDD_Uls_f32	1			
k_Mode1AssistSlew_UlspS_f32	72.3985977			
k_Mode1EngTransThresh_Rpm_f32	12000			
k_Mode1VehSpdTransThresh_Kph_f32	39.8661003			
k_Mode2AssistDD_Uls_f32	1			
k_Mode2AssistSlew_UlspS_f32	330.232513			
k_Mode2VehSpdTransThresh_Kph_f32	63.1749001			
k_NormalModeAssistSlew_UlspS_f32	389.889587			
k_NormalModeEngTransThresh_Rpm_f32	239.761002			
k_NormalModeVehSpdTransThresh_Kph_f32	148.384399			
k_StopMode1AssistSlew_UlspS_f32	468.068695			
k_StopMode1HwTrqTransThresh_HwNm_f32	5.03490019			
k_StopMode1HwVelTransThresh_HwDegpS_f32	24.5688992			
k_StopMode1Timer_Sec_u16	1			
k_StopMode1VehSpdTransThresh_Kph_f32	168.283493			
k_StopMode2AssistSlew_UlspS_f32	261.496307			
k_StopMode2HwTrqTransThresh_HwNm_f32	5.45289993			
k_StopMode2HwVelTransThresh_HwDegpS_f32	208.642593			
k_StopMode2Timer_Sec_u16	0			
k_StopMode2VehSpdTransThresh_Kph_f32	114.246902			
k_StopModeAssistDD_Uls_f32	0.1417			
target_DtrmnElapsedTime_mS_u32_ElapsedTime	115650			
target_GetSystemTime_mS_u32_CurrentTime	29800			
target_Rte_Inst_Ap_GMStrtStop.StrtStop_Per1_APASState_State_enum	target_StrtStop_Per1_APASState_State_enum			
target_Rte_Inst_Ap_GMStrtStop.StrtStop_Per1_EngSpd_Rpm_f32	target_StrtStop_Per1_EngSpd_Rpm_f32			
target_Rte_Inst_Ap_GMStrtStop.StrtStop_Per1_HandwheelVelocity_HwRadpS_f32	target_StrtStop_Per1_HandwheelVelocity_HwRadpS_f32			
target_Rte_Inst_Ap_GMStrtStop.StrtStop_Per1_HwTorque_HwNm_f32	target_StrtStop_Per1_HwTorque_HwNm_f32			
target_Rte_Inst_Ap_GMStrtStop.StrtStop_Per1_SS12VFault_Cnt_lgc	target_StrtStop_Per1_SS12VFault_Cnt_lgc			
target_Rte_Inst_Ap_GMStrtStop.StrtStop_Per1_SSScale_Uls_f32	target_StrtStop_Per1_SSScale_Uls_f32			
target_Rte_Inst_Ap_GMStrtStop.StrtStop_Per1_SSSlew_UlspS_f32	target_StrtStop_Per1_SSSlew_UlspS_f32			
target_Rte_Inst_Ap_GMStrtStop.StrtStop_Per1_SSState_State_enum	target_StrtStop_Per1_SSState_State_enum			
target_Rte_Inst_Ap_GMStrtStop.StrtStop_Per1_VehicleSpeed_Kph_f32	target_StrtStop_Per1_VehicleSpeed_Kph_f32			
target_StrtStop_Per1_APASState_State_enum.value	0			
target_StrtStop_Per1_EngSpd_Rpm_f32.value	1215.20496			
target_StrtStop_Per1_HandwheelVelocity_HwRadpS_f32.value	-13.3400002			
target_StrtStop_Per1_HwTorque_HwNm_f32.value	-4.85129976			
target_StrtStop_Per1_SS12VFault_Cnt_lgc.value	0			
target_StrtStop_Per1_VehicleSpeed_Kph_f32.value	111.899803			
Name	Actual Value	Expected Value	Result	
StrtStop_SSScale_Uls_M_f32	1	1	✓	
StrtStop_SSSlewRatePrev_UlspS_M_f32	389.889587	389.889587 ± 0.1	✓	
StrtStop_StOpModePrevPrev_Cnt_M_enum	1	1	✓	
StrtStop_StOpModePrev_Cnt_M_enum	0	0	✓	
StrtStop_StOpMode_Cnt_M_enum	0	0	✓	
StrtStop_StopModeTimer1_mS_M_u32	3158981120	3158981120	✓	
StrtStop_StopModeTimer2_mS_M_u32	89159680	89159680	✓	
target_StrtStop_Per1_SSScale_Uls_f32.value	1	1 ± 0.0001	✓	
target_StrtStop_Per1_SSSlew_UlspS_f32.value	389.889587	389.889587 ± 0.1	✓	
target_StrtStop_Per1_SSState_State_enum.value	0	0	✓	

Test Step Call Trace				
Actual Function	Count	Expected Function	Count	Result
PreviousStCalc	1	PreviousStCalc	1	✓
SlewRateCalc	1	SlewRateCalc	1	✓

# TEST DETAILS REPORT

2016-07-18, 16:07:36+0530



StrtStop\_Per1

Test Step 2.26 (Repeat Count = 1) ✓				
Name	Input Value			
DtrmnElapsedTime_mS_u32(ElapsedTime)	target_DtrmnElapsedTime_mS_u32_ElapsedTime			
GetSystemTime_mS_u32(CurrentTime)	target_GetSystemTime_mS_u32_CurrentTime			
Rte_Inst_Ap_GMStrtStop	target_Rte_Inst_Ap_GMStrtStop			
StrtStop_SSScale_Uls_M_f32	0.939899981			
StrtStop_SSSlewRatePrev_UlspS_M_f32	397.437714			
StrtStop_StOpModePrevPrev_Cnt_M_enum	0			
StrtStop_StOpModePrev_Cnt_M_enum	3			
StrtStop_StOpMode_Cnt_M_enum	0			
StrtStop_StopModeTimer1_mS_M_u32	2552763648			
StrtStop_StopModeTimer2_mS_M_u32	2878167808			
k_AlgEnable_Cnt_lgc	1			
k_FltRspRampDnRt_UlspS_f32	321.594788			
k_Mode1AssistDD_Uls_f32	1			
k_Mode1AssistSlew_UlspS_f32	33.2778015			
k_Mode1EngTransThresh_Rpm_f32	11895.8896			
k_Mode1VehSpdTransThresh_Kph_f32	173.997299			
k_Mode2AssistDD_Uls_f32	0.233400002			
k_Mode2AssistSlew_UlspS_f32	451.981812			
k_Mode2VehSpdTransThresh_Kph_f32	152.578903			
k_NormalModeAssistSlew_UlspS_f32	426.239899			
k_NormalModeEngTransThresh_Rpm_f32	7448.78125			
k_NormalModeVehSpdTransThresh_Kph_f32	117.726402			
k_StopMode1AssistSlew_UlspS_f32	168.650894			
k_StopMode1HwTrqTransThresh_HwNm_f32	8.25			
k_StopMode1HwVelTransThresh_HwDegpS_f32	167.790405			
k_StopMode1Timer_Sec_u16	0			
k_StopMode1VehSpdTransThres_Kph_f32	73.2904968			
k_StopMode2AssistSlew_UlspS_f32	41.2981987			
k_StopMode2HwTrqTransThresh_HwNm_f32	3.71029997			
k_StopMode2HwVelTransThresh_HwDegpS_f32	28.1320992			
k_StopMode2Timer_Sec_u16	1			
k_StopMode2VehSpdTransThresh_Kph_f32	15.5811005			
k_StopModeAssistDD_Uls_f32	0.653100014			
target_DtrmnElapsedTime_mS_u32_ElapsedTime	120800			
target_GetSystemTime_mS_u32_CurrentTime	31150			
target_Rte_Inst_Ap_GMStrtStop.StrtStop_Per1_APASState_State_enum	target_StrtStop_Per1_APASState_State_enum			
target_Rte_Inst_Ap_GMStrtStop.StrtStop_Per1_EngSpd_Rpm_f32	target_StrtStop_Per1_EngSpd_Rpm_f32			
target_Rte_Inst_Ap_GMStrtStop.StrtStop_Per1_HandwheelVelocity_HwRadpS_f32	target_StrtStop_Per1_HandwheelVelocity_HwRadpS_f32			
target_Rte_Inst_Ap_GMStrtStop.StrtStop_Per1_HwTorque_HwNm_f32	target_StrtStop_Per1_HwTorque_HwNm_f32			
target_Rte_Inst_Ap_GMStrtStop.StrtStop_Per1_SS12VFault_Cnt_lgc	target_StrtStop_Per1_SS12VFault_Cnt_lgc			
target_Rte_Inst_Ap_GMStrtStop.StrtStop_Per1_SSScale_Uls_f32	target_StrtStop_Per1_SSScale_Uls_f32			
target_Rte_Inst_Ap_GMStrtStop.StrtStop_Per1_SSSlew_UlspS_f32	target_StrtStop_Per1_SSSlew_UlspS_f32			
target_Rte_Inst_Ap_GMStrtStop.StrtStop_Per1_SSState_State_enum	target_StrtStop_Per1_SSState_State_enum			
target_Rte_Inst_Ap_GMStrtStop.StrtStop_Per1_VehicleSpeed_Kph_f32	target_StrtStop_Per1_VehicleSpeed_Kph_f32			
target_StrtStop_Per1_APASState_State_enum.value	1			
target_StrtStop_Per1_EngSpd_Rpm_f32.value	6584.08154			
target_StrtStop_Per1_HandwheelVelocity_HwRadpS_f32.value	-19.2014999			
target_StrtStop_Per1_HwTorque_HwNm_f32.value	8.06340027			
target_StrtStop_Per1_SS12VFault_Cnt_lgc.value	0			
target_StrtStop_Per1_VehicleSpeed_Kph_f32.value	127.472397			
Name	Actual Value	Expected Value	Result	
StrtStop_SSScale_Uls_M_f32	1	1	✓	
StrtStop_SSSlewRatePrev_UlspS_M_f32	321.594788	321.594788 ± 0.1	✓	
StrtStop_StOpModePrevPrev_Cnt_M_enum	3	3	✓	
StrtStop_StOpModePrev_Cnt_M_enum	1	1	✓	
StrtStop_StOpMode_Cnt_M_enum	1	1	✓	
StrtStop_StopModeTimer1_mS_M_u32	31150	31150	✓	
StrtStop_StopModeTimer2_mS_M_u32	2878167808	2878167808	✓	
target_StrtStop_Per1_SSScale_Uls_f32.value	1	1 ± 0.0001	✓	
target_StrtStop_Per1_SSSlew_UlspS_f32.value	321.594788	321.594788 ± 0.1	✓	
target_StrtStop_Per1_SSState_State_enum.value	1	1	✓	

Test Step Call Trace ✓				
Actual Function	Count	Expected Function	Count	Result
GetSystemTime_mS_u32	1	GetSystemTime_mS_u32	1	✓
PreviousStCalc	1	PreviousStCalc	1	✓
SlewRateCalc	1	SlewRateCalc	1	✓

# TEST DETAILS REPORT

2016-07-18, 16:07:36+0530



StrtStop\_Per1

## Test Step 2.27 (Repeat Count = 1)

Name	Input Value
DtrmnElapsedTime_mS_u32(ElapsedTime)	target_DtrmnElapsedTime_mS_u32_ElapsedTime
GetSystemTime_mS_u32(CurrentTime)	target_GetSystemTime_mS_u32_CurrentTime
Rte_Inst_Ap_GMStrtStop	target_Rte_Inst_Ap_GMStrtStop
StrtStop_SSScale_Uls_M_f32	1
StrtStop_SSSlewRatePrev_UlspS_M_f32	214.810394
StrtStop_StOpModePrevPrev_Cnt_M_enum	5
StrtStop_StOpModePrev_Cnt_M_enum	2
StrtStop_StOpMode_Cnt_M_enum	1
StrtStop_StopModeTimer1_mS_M_u32	1639613440
StrtStop_StopModeTimer2_mS_M_u32	1008906752
k_AlgEnable_Cnt_lgc	1
k_FltRspRampDnRt_UlspS_f32	64.5850983
k_Mode1AssistDD_Uls_f32	1
k_Mode1AssistSlew_UlspS_f32	499.013885
k_Mode1EngTransThresh_Rpm_f32	4146.84619
k_Mode1VehSpdTransThresh_Kph_f32	42.9118996
k_Mode2AssistDD_Uls_f32	0.188199997
k_Mode2AssistSlew_UlspS_f32	299.610107
k_Mode2VehSpdTransThresh_Kph_f32	187.768295
k_NormalModeAssistSlew_UlspS_f32	42.3726006
k_NormalModeEngTransThresh_Rpm_f32	1361.43152
k_NormalModeVehSpdTransThresh_Kph_f32	182.747406
k_StopMode1AssistSlew_UlspS_f32	320.782104
k_StopMode1HwTrqTransThresh_HwNm_f32	10
k_StopMode1HwVelTransThresh_HwDegpS_f32	200.953094
k_StopMode1Timer_Sec_u16	5
k_StopMode1VehSpdTransThres_Kph_f32	19.0207996
k_StopMode2AssistSlew_UlspS_f32	314.325012
k_StopMode2HwTrqTransThresh_HwNm_f32	2.27979994
k_StopMode2HwVelTransThresh_HwDegpS_f32	166.614197
k_StopMode2Timer_Sec_u16	5
k_StopMode2VehSpdTransThresh_Kph_f32	72.7316971
k_StopModeAssistDD_Uls_f32	1
target_DtrmnElapsedTime_mS_u32_ElapsedTime	125950
target_GetSystemTime_mS_u32_CurrentTime	32500
target_Rte_Inst_Ap_GMStrtStop.StrtStop_Per1_APASState_State_enum	target_StrtStop_Per1_APASState_State_enum
target_Rte_Inst_Ap_GMStrtStop.StrtStop_Per1_EngSpd_Rpm_f32	target_StrtStop_Per1_EngSpd_Rpm_f32
target_Rte_Inst_Ap_GMStrtStop.StrtStop_Per1_HandwheelVelocity_HwRadpS_f32	target_StrtStop_Per1_HandwheelVelocity_HwRadpS_f32
target_Rte_Inst_Ap_GMStrtStop.StrtStop_Per1_HwTorque_HwNm_f32	target_StrtStop_Per1_HwTorque_HwNm_f32
target_Rte_Inst_Ap_GMStrtStop.StrtStop_Per1_SS12VFault_Cnt_lgc	target_StrtStop_Per1_SS12VFault_Cnt_lgc
target_Rte_Inst_Ap_GMStrtStop.StrtStop_Per1_SSScale_Uls_f32	target_StrtStop_Per1_SSScale_Uls_f32
target_Rte_Inst_Ap_GMStrtStop.StrtStop_Per1_SSSlew_UlspS_f32	target_StrtStop_Per1_SSSlew_UlspS_f32
target_Rte_Inst_Ap_GMStrtStop.StrtStop_Per1_SSState_State_enum	target_StrtStop_Per1_SSState_State_enum
target_Rte_Inst_Ap_GMStrtStop.StrtStop_Per1_VehicleSpeed_Kph_f32	target_StrtStop_Per1_VehicleSpeed_Kph_f32
target_StrtStop_Per1_APASState_State_enum.value	0
target_StrtStop_Per1_EngSpd_Rpm_f32.value	7567.6958
target_StrtStop_Per1_HandwheelVelocity_HwRadpS_f32.value	-44.6655998
target_StrtStop_Per1_HwTorque_HwNm_f32.value	-8.42599964
target_StrtStop_Per1_SS12VFault_Cnt_lgc.value	0
target_StrtStop_Per1_VehicleSpeed_Kph_f32.value	168.550201

Name	Actual Value	Expected Value	Result
StrtStop_SSScale_Uls_M_f32	1	1	✓
StrtStop_SSSlewRatePrev_UlspS_M_f32	42.3726006	42.3726006 ± 0.1	✓
StrtStop_StOpModePrevPrev_Cnt_M_enum	2	2	✓
StrtStop_StOpModePrev_Cnt_M_enum	0	0	✓
StrtStop_StOpMode_Cnt_M_enum	0	0	✓
StrtStop_StopModeTimer1_mS_M_u32	1639613440	1639613440	✓
StrtStop_StopModeTimer2_mS_M_u32	1008906752	1008906752	✓
target_StrtStop_Per1_SSScale_Uls_f32.value	1	1 ± 0.0001	✓
target_StrtStop_Per1_SSSlew_UlspS_f32.value	42.3726006	42.3726006 ± 0.1	✓
target_StrtStop_Per1_SSState_State_enum.value	0	0	✓

## Test Step Call Trace

Actual Function	Count	Expected Function	Count	Result
DtrmnElapsedTime_mS_u32	1	DtrmnElapsedTime_mS_u32	1	✓
PreviousStCalc	1	PreviousStCalc	1	✓
SlewRateCalc	1	SlewRateCalc	1	✓



# TEST DETAILS REPORT

2016-07-18, 16:07:36+0530



StrtStop\_Per1

## Test Step 2.28 (Repeat Count = 1)

Name	Input Value
DtrmnElapsedTime_mS_u32(ElapsedTime)	target_DtrmnElapsedTime_mS_u32_ElapsedTime
GetSystemTime_mS_u32(CurrentTime)	target_GetSystemTime_mS_u32_CurrentTime
Rte_Inst_Ap_GMStrtStop	target_Rte_Inst_Ap_GMStrtStop
StrtStop_SSScale_Uls_M_f32	0.753199995
StrtStop_SSSlewRatePrev_UlspS_M_f32	272.523193
StrtStop_StOpModePrevPrev_Cnt_M_enum	1
StrtStop_StOpModePrev_Cnt_M_enum	3
StrtStop_StOpMode_Cnt_M_enum	2
StrtStop_StopModeTimer1_mS_M_u32	2642360064
StrtStop_StopModeTimer2_mS_M_u32	813608192
k_AlgEnable_Cnt_lgc	1
k_FltRspRampDnRt_UlspS_f32	228.535995
k_Mode1AssistDD_Uls_f32	0.355300009
k_Mode1AssistSlew_UlspS_f32	154.203201
k_Mode1EngTransThresh_Rpm_f32	15600.4355
k_Mode1VehSpdTransThresh_Kph_f32	61.9305992
k_Mode2AssistDD_Uls_f32	1
k_Mode2AssistSlew_UlspS_f32	212.014893
k_Mode2VehSpdTransThresh_Kph_f32	114.182999
k_NormalModeAssistSlew_UlspS_f32	108.742104
k_NormalModeEngTransThresh_Rpm_f32	8845.98828
k_NormalModeVehSpdTransThresh_Kph_f32	5.73089981
k_StopMode1AssistSlew_UlspS_f32	443.523712
k_StopMode1HwTrqTransThresh_HwNm_f32	8.98460007
k_StopMode1HwVelTransThresh_HwDegpS_f32	15.0458002
k_StopMode1Timer_Sec_u16	5
k_StopMode1VehSpdTransThres_Kph_f32	131.764008
k_StopMode2AssistSlew_UlspS_f32	0.51639998
k_StopMode2HwTrqTransThresh_HwNm_f32	6.60839987
k_StopMode2HwVelTransThresh_HwDegpS_f32	128.878204
k_StopMode2Timer_Sec_u16	4
k_StopMode2VehSpdTransThresh_Kph_f32	52.5082016
k_StopModeAssistDD_Uls_f32	1
target_DtrmnElapsedTime_mS_u32_ElapsedTime	131100
target_GetSystemTime_mS_u32_CurrentTime	33850
target_Rte_Inst_Ap_GMStrtStop.StrtStop_Per1_APASState_State_enum	target_StrtStop_Per1_APASState_State_enum
target_Rte_Inst_Ap_GMStrtStop.StrtStop_Per1_EngSpd_Rpm_f32	target_StrtStop_Per1_EngSpd_Rpm_f32
target_Rte_Inst_Ap_GMStrtStop.StrtStop_Per1_HandwheelVelocity_HwRadpS_f32	target_StrtStop_Per1_HandwheelVelocity_HwRadpS_f32
target_Rte_Inst_Ap_GMStrtStop.StrtStop_Per1_HwTorque_HwNm_f32	target_StrtStop_Per1_HwTorque_HwNm_f32
target_Rte_Inst_Ap_GMStrtStop.StrtStop_Per1_SS12VFault_Cnt_lgc	target_StrtStop_Per1_SS12VFault_Cnt_lgc
target_Rte_Inst_Ap_GMStrtStop.StrtStop_Per1_SSScale_Uls_f32	target_StrtStop_Per1_SSScale_Uls_f32
target_Rte_Inst_Ap_GMStrtStop.StrtStop_Per1_SSSlew_UlspS_f32	target_StrtStop_Per1_SSSlew_UlspS_f32
target_Rte_Inst_Ap_GMStrtStop.StrtStop_Per1_SSState_State_enum	target_StrtStop_Per1_SSState_State_enum
target_Rte_Inst_Ap_GMStrtStop.StrtStop_Per1_VehicleSpeed_Kph_f32	target_StrtStop_Per1_VehicleSpeed_Kph_f32
target_StrtStop_Per1_APASState_State_enum.value	0
target_StrtStop_Per1_EngSpd_Rpm_f32.value	8064.01074
target_StrtStop_Per1_HandwheelVelocity_HwRadpS_f32.value	98.0602036
target_StrtStop_Per1_HwTorque_HwNm_f32.value	-0.784600019
target_StrtStop_Per1_SS12VFault_Cnt_lgc.value	0
target_StrtStop_Per1_VehicleSpeed_Kph_f32.value	128.8255

Name	Actual Value	Expected Value	Result
StrtStop_SSScale_Uls_M_f32	1	1	✓
StrtStop_SSSlewRatePrev_UlspS_M_f32	228.535995	228.535995 ± 0.1	✓
StrtStop_StOpModePrevPrev_Cnt_M_enum	1	1	✓
StrtStop_StOpModePrev_Cnt_M_enum	3	3	✓
StrtStop_StOpMode_Cnt_M_enum	3	3	✓
StrtStop_StopModeTimer1_mS_M_u32	2642360064	2642360064	✓
StrtStop_StopModeTimer2_mS_M_u32	33850	33850	✓
target_StrtStop_Per1_SSScale_Uls_f32.value	1	1 ± 0.0001	✓
target_StrtStop_Per1_SSSlew_UlspS_f32.value	228.535995	228.535995 ± 0.1	✓
target_StrtStop_Per1_SSState_State_enum.value	3	3	✓

## Test Step Call Trace

Actual Function	Count	Expected Function	Count	Result
GetSystemTime_mS_u32	1	GetSystemTime_mS_u32	1	✓
PreviousStCalc	1	PreviousStCalc	1	✓
SlewRateCalc	1	SlewRateCalc	1	✓



# TEST DETAILS REPORT

2016-07-18, 16:07:36+0530



StrtStop\_Per1

## Test Step 2.29 (Repeat Count = 1)

Name	Input Value
DtrmnElapsedTime_mS_u32(ElapsedTime)	target_DtrmnElapsedTime_mS_u32_ElapsedTime
GetSystemTime_mS_u32(CurrentTime)	target_GetSystemTime_mS_u32_CurrentTime
Rte_Inst_Ap_GMStrtStop	target_Rte_Inst_Ap_GMStrtStop
StrtStop_SSScale_Uls_M_f32	0.939899981
StrtStop_SSSlewRatePrev_UlspS_M_f32	397.437714
StrtStop_StOpModePrevPrev_Cnt_M_enum	0
StrtStop_StOpModePrev_Cnt_M_enum	3
StrtStop_StOpMode_Cnt_M_enum	3
StrtStop_StopModeTimer1_mS_M_u32	2552763648
StrtStop_StopModeTimer2_mS_M_u32	2878167808
k_AlgEnable_Cnt_lgc	1
k_FltRspRampDnRt_UlspS_f32	321.594788
k_Mode1AssistDD_Uls_f32	1
k_Mode1AssistSlew_UlspS_f32	33.2778015
k_Mode1EngTransThresh_Rpm_f32	11895.8896
k_Mode1VehSpdTransThresh_Kph_f32	173.997299
k_Mode2AssistDD_Uls_f32	0.233400002
k_Mode2AssistSlew_UlspS_f32	451.981812
k_Mode2VehSpdTransThresh_Kph_f32	152.578903
k_NormalModeAssistSlew_UlspS_f32	426.239899
k_NormalModeEngTransThresh_Rpm_f32	7448.78125
k_NormalModeVehSpdTransThresh_Kph_f32	117.726402
k_StopMode1AssistSlew_UlspS_f32	168.650894
k_StopMode1HwTrqTransThresh_HwNm_f32	8.25
k_StopMode1HwVelTransThresh_HwDegpS_f32	167.790405
k_StopMode1Timer_Sec_u16	0
k_StopMode1VehSpdTransThres_Kph_f32	73.2904968
k_StopMode2AssistSlew_UlspS_f32	41.2981987
k_StopMode2HwTrqTransThresh_HwNm_f32	3.71029997
k_StopMode2HwVelTransThresh_HwDegpS_f32	28.1320992
k_StopMode2Timer_Sec_u16	1
k_StopMode2VehSpdTransThresh_Kph_f32	15.5811005
k_StopModeAssistDD_Uls_f32	0.653100014
target_DtrmnElapsedTime_mS_u32_ElapsedTime	136250
target_GetSystemTime_mS_u32_CurrentTime	35200
target_Rte_Inst_Ap_GMStrtStop.StrtStop_Per1_APASState_State_enum	target_StrtStop_Per1_APASState_State_enum
target_Rte_Inst_Ap_GMStrtStop.StrtStop_Per1_EngSpd_Rpm_f32	target_StrtStop_Per1_EngSpd_Rpm_f32
target_Rte_Inst_Ap_GMStrtStop.StrtStop_Per1_HandwheelVelocity_HwRadpS_f32	target_StrtStop_Per1_HandwheelVelocity_HwRadpS_f32
target_Rte_Inst_Ap_GMStrtStop.StrtStop_Per1_HwTorque_HwNm_f32	target_StrtStop_Per1_HwTorque_HwNm_f32
target_Rte_Inst_Ap_GMStrtStop.StrtStop_Per1_SS12VFault_Cnt_lgc	target_StrtStop_Per1_SS12VFault_Cnt_lgc
target_Rte_Inst_Ap_GMStrtStop.StrtStop_Per1_SSScale_Uls_f32	target_StrtStop_Per1_SSScale_Uls_f32
target_Rte_Inst_Ap_GMStrtStop.StrtStop_Per1_SSSlew_UlspS_f32	target_StrtStop_Per1_SSSlew_UlspS_f32
target_Rte_Inst_Ap_GMStrtStop.StrtStop_Per1_SSState_State_enum	target_StrtStop_Per1_SSState_State_enum
target_Rte_Inst_Ap_GMStrtStop.StrtStop_Per1_VehicleSpeed_Kph_f32	target_StrtStop_Per1_VehicleSpeed_Kph_f32
target_StrtStop_Per1_APASState_State_enum.value	0
target_StrtStop_Per1_EngSpd_Rpm_f32.value	6584.08154
target_StrtStop_Per1_HandwheelVelocity_HwRadpS_f32.value	-19.2014999
target_StrtStop_Per1_HwTorque_HwNm_f32.value	8.06340027
target_StrtStop_Per1_SS12VFault_Cnt_lgc.value	0
target_StrtStop_Per1_VehicleSpeed_Kph_f32.value	127.472397

Name	Actual Value	Expected Value	Result
StrtStop_SSScale_Uls_M_f32	1	1	✓
StrtStop_SSSlewRatePrev_UlspS_M_f32	426.239899	426.239899 ± 0.1	✓
StrtStop_StOpModePrevPrev_Cnt_M_enum	3	3	✓
StrtStop_StOpModePrev_Cnt_M_enum	0	0	✓
StrtStop_StOpMode_Cnt_M_enum	0	0	✓
StrtStop_StopModeTimer1_mS_M_u32	2552763648	2552763648	✓
StrtStop_StopModeTimer2_mS_M_u32	2878167808	2878167808	✓
target_StrtStop_Per1_SSScale_Uls_f32.value	1	1 ± 0.0001	✓
target_StrtStop_Per1_SSSlew_UlspS_f32.value	426.239899	426.239899 ± 0.1	✓
target_StrtStop_Per1_SSState_State_enum.value	0	0	✓

## Test Step Call Trace

Actual Function	Count	Expected Function	Count	Result
DtrmnElapsedTime_mS_u32	1	DtrmnElapsedTime_mS_u32	1	✓
PreviousStCalc	1	PreviousStCalc	1	✓
SlewRateCalc	1	SlewRateCalc	1	✓

# TEST DETAILS REPORT

2016-07-18, 16:07:36+0530



StrtStop\_Per1

## Test Step 2.30 (Repeat Count = 1)

Name	Input Value
DtrmnElapsedTime_mS_u32(ElapsedTime)	target_DtrmnElapsedTime_mS_u32_ElapsedTime
GetSystemTime_mS_u32(CurrentTime)	target_GetSystemTime_mS_u32_CurrentTime
Rte_Inst_Ap_GMStrtStop	target_Rte_Inst_Ap_GMStrtStop
StrtStop_SSScale_Uls_M_f32	1
StrtStop_SSSlewRatePrev_UlspS_M_f32	214.810394
StrtStop_StOpModePrevPrev_Cnt_M_enum	5
StrtStop_StOpModePrev_Cnt_M_enum	2
StrtStop_StOpMode_Cnt_M_enum	4
StrtStop_StopModeTimer1_mS_M_u32	1639613440
StrtStop_StopModeTimer2_mS_M_u32	1008906752
k_AlgEnable_Cnt_lgc	1
k_FltRspRampDnRt_UlspS_f32	64.5850983
k_Mode1AssistDD_Uls_f32	1
k_Mode1AssistSlew_UlspS_f32	499.013885
k_Mode1EngTransThresh_Rpm_f32	4146.84619
k_Mode1VehSpdTransThresh_Kph_f32	42.9118996
k_Mode2AssistDD_Uls_f32	0.188199997
k_Mode2AssistSlew_UlspS_f32	299.610107
k_Mode2VehSpdTransThresh_Kph_f32	187.768295
k_NormalModeAssistSlew_UlspS_f32	42.3726006
k_NormalModeEngTransThresh_Rpm_f32	1361.43152
k_NormalModeVehSpdTransThresh_Kph_f32	182.747406
k_StopMode1AssistSlew_UlspS_f32	320.782104
k_StopMode1HwTrqTransThresh_HwNm_f32	10
k_StopMode1HwVelTransThresh_HwDegpS_f32	200.953094
k_StopMode1Timer_Sec_u16	5
k_StopMode1VehSpdTransThresh_Kph_f32	19.0207996
k_StopMode2AssistSlew_UlspS_f32	314.325012
k_StopMode2HwTrqTransThresh_HwNm_f32	2.27979994
k_StopMode2HwVelTransThresh_HwDegpS_f32	166.614197
k_StopMode2Timer_Sec_u16	5
k_StopMode2VehSpdTransThresh_Kph_f32	72.7316971
k_StopModeAssistDD_Uls_f32	1
target_DtrmnElapsedTime_mS_u32_ElapsedTime	141400
target_GetSystemTime_mS_u32_CurrentTime	36550
target_Rte_Inst_Ap_GMStrtStop.StrtStop_Per1_APASState_State_enum	target_StrtStop_Per1_APASState_State_enum
target_Rte_Inst_Ap_GMStrtStop.StrtStop_Per1_EngSpd_Rpm_f32	target_StrtStop_Per1_EngSpd_Rpm_f32
target_Rte_Inst_Ap_GMStrtStop.StrtStop_Per1_HandwheelVelocity_HwRadpS_f32	target_StrtStop_Per1_HandwheelVelocity_HwRadpS_f32
target_Rte_Inst_Ap_GMStrtStop.StrtStop_Per1_HwTorque_HwNm_f32	target_StrtStop_Per1_HwTorque_HwNm_f32
target_Rte_Inst_Ap_GMStrtStop.StrtStop_Per1_SS12VFault_Cnt_lgc	target_StrtStop_Per1_SS12VFault_Cnt_lgc
target_Rte_Inst_Ap_GMStrtStop.StrtStop_Per1_SSScale_Uls_f32	target_StrtStop_Per1_SSScale_Uls_f32
target_Rte_Inst_Ap_GMStrtStop.StrtStop_Per1_SSSlew_UlspS_f32	target_StrtStop_Per1_SSSlew_UlspS_f32
target_Rte_Inst_Ap_GMStrtStop.StrtStop_Per1_SSState_State_enum	target_StrtStop_Per1_SSState_State_enum
target_Rte_Inst_Ap_GMStrtStop.StrtStop_Per1_VehicleSpeed_Kph_f32	target_StrtStop_Per1_VehicleSpeed_Kph_f32
target_StrtStop_Per1_APASState_State_enum.value	1
target_StrtStop_Per1_EngSpd_Rpm_f32.value	7567.6958
target_StrtStop_Per1_HandwheelVelocity_HwRadpS_f32.value	-44.6655998
target_StrtStop_Per1_HwTorque_HwNm_f32.value	-8.42599964
target_StrtStop_Per1_SS12VFault_Cnt_lgc.value	0
target_StrtStop_Per1_VehicleSpeed_Kph_f32.value	168.550201

Name	Actual Value	Expected Value	Result
StrtStop_SSScale_Uls_M_f32	1	1	✓
StrtStop_SSSlewRatePrev_UlspS_M_f32	64.5850983	64.5850983 ± 0.1	✓
StrtStop_StOpModePrevPrev_Cnt_M_enum	2	2	✓
StrtStop_StOpModePrev_Cnt_M_enum	4	4	✓
StrtStop_StOpMode_Cnt_M_enum	4	4	✓
StrtStop_StopModeTimer1_mS_M_u32	1639613440	1639613440	✓
StrtStop_StopModeTimer2_mS_M_u32	1008906752	1008906752	✓
target_StrtStop_Per1_SSScale_Uls_f32.value	1	1 ± 0.0001	✓
target_StrtStop_Per1_SSSlew_UlspS_f32.value	64.5850983	64.5850983 ± 0.1	✓
target_StrtStop_Per1_SSState_State_enum.value	4	4	✓

## Test Step Call Trace

Actual Function	Count	Expected Function	Count	Result
PreviousStCalc	1	PreviousStCalc	1	✓
SlewRateCalc	1	SlewRateCalc	1	✓

# TEST DETAILS REPORT

2016-07-18, 16:07:36+0530



StrtStop\_Per1

Test Step 2.31 (Repeat Count = 1) ✓				
Name	Input Value			
DtrmnElapsedTime_mS_u32(ElapsedTime)	target_DtrmnElapsedTime_mS_u32_ElapsedTime			
GetSystemTime_mS_u32(CurrentTime)	target_GetSystemTime_mS_u32_CurrentTime			
Rte_Inst_Ap_GMStrtStop	target_Rte_Inst_Ap_GMStrtStop			
StrtStop_SSScale_Uls_M_f32	0.753199995			
StrtStop_SSSlewRatePrev_UlspS_M_f32	272.523193			
StrtStop_StOpModePrevPrev_Cnt_M_enum	1			
StrtStop_StOpModePrev_Cnt_M_enum	3			
StrtStop_StOpMode_Cnt_M_enum	5			
StrtStop_StopModeTimer1_mS_M_u32	2642360064			
StrtStop_StopModeTimer2_mS_M_u32	813608192			
k_AlgEnable_Cnt_lgc	1			
k_FltRspRampDnRt_UlspS_f32	228.535995			
k_Mode1AssistDD_Uls_f32	0.355300009			
k_Mode1AssistSlew_UlspS_f32	154.203201			
k_Mode1EngTransThresh_Rpm_f32	15600.4355			
k_Mode1VehSpdTransThresh_Kph_f32	61.9305992			
k_Mode2AssistDD_Uls_f32	1			
k_Mode2AssistSlew_UlspS_f32	212.014893			
k_Mode2VehSpdTransThresh_Kph_f32	114.182999			
k_NormalModeAssistSlew_UlspS_f32	108.742104			
k_NormalModeEngTransThresh_Rpm_f32	8845.98828			
k_NormalModeVehSpdTransThresh_Kph_f32	5.73089981			
k_StopMode1AssistSlew_UlspS_f32	443.523712			
k_StopMode1HwTrqTransThresh_HwNm_f32	8.98460007			
k_StopMode1HwVelTransThresh_HwDegpS_f32	15.0458002			
k_StopMode1Timer_Sec_u16	5			
k_StopMode1VehSpdTransThres_Kph_f32	131.764008			
k_StopMode2AssistSlew_UlspS_f32	0.51639998			
k_StopMode2HwTrqTransThresh_HwNm_f32	6.60839987			
k_StopMode2HwVelTransThresh_HwDegpS_f32	128.878204			
k_StopMode2Timer_Sec_u16	4			
k_StopMode2VehSpdTransThresh_Kph_f32	52.5082016			
k_StopModeAssistDD_Uls_f32	1			
target_DtrmnElapsedTime_mS_u32_ElapsedTime	146550			
target_GetSystemTime_mS_u32_CurrentTime	37900			
target_Rte_Inst_Ap_GMStrtStop.StrtStop_Per1_APASState_State_enum	target_StrtStop_Per1_APASState_State_enum			
target_Rte_Inst_Ap_GMStrtStop.StrtStop_Per1_EngSpd_Rpm_f32	target_StrtStop_Per1_EngSpd_Rpm_f32			
target_Rte_Inst_Ap_GMStrtStop.StrtStop_Per1_HandwheelVelocity_HwRadpS_f32	target_StrtStop_Per1_HandwheelVelocity_HwRadpS_f32			
target_Rte_Inst_Ap_GMStrtStop.StrtStop_Per1_HwTorque_HwNm_f32	target_StrtStop_Per1_HwTorque_HwNm_f32			
target_Rte_Inst_Ap_GMStrtStop.StrtStop_Per1_SS12VFault_Cnt_lgc	target_StrtStop_Per1_SS12VFault_Cnt_lgc			
target_Rte_Inst_Ap_GMStrtStop.StrtStop_Per1_SSScale_Uls_f32	target_StrtStop_Per1_SSScale_Uls_f32			
target_Rte_Inst_Ap_GMStrtStop.StrtStop_Per1_SSSlew_UlspS_f32	target_StrtStop_Per1_SSSlew_UlspS_f32			
target_Rte_Inst_Ap_GMStrtStop.StrtStop_Per1_SSState_State_enum	target_StrtStop_Per1_SSState_State_enum			
target_Rte_Inst_Ap_GMStrtStop.StrtStop_Per1_VehicleSpeed_Kph_f32	target_StrtStop_Per1_VehicleSpeed_Kph_f32			
target_StrtStop_Per1_APASState_State_enum.value	0			
target_StrtStop_Per1_EngSpd_Rpm_f32.value	8064.01074			
target_StrtStop_Per1_HandwheelVelocity_HwRadpS_f32.value	98.0602036			
target_StrtStop_Per1_HwTorque_HwNm_f32.value	-0.784600019			
target_StrtStop_Per1_SS12VFault_Cnt_lgc.value	0			
target_StrtStop_Per1_VehicleSpeed_Kph_f32.value	128.8255			
Name	Actual Value	Expected Value	Result	
StrtStop_SSScale_Uls_M_f32	0.753199995	0.753199995	✓	
StrtStop_SSSlewRatePrev_UlspS_M_f32	228.535995	228.535995 ± 0.1	✓	
StrtStop_StOpModePrevPrev_Cnt_M_enum	3	3	✓	
StrtStop_StOpModePrev_Cnt_M_enum	5	5	✓	
StrtStop_StOpMode_Cnt_M_enum	5	5	✓	
StrtStop_StopModeTimer1_mS_M_u32	2642360064	2642360064	✓	
StrtStop_StopModeTimer2_mS_M_u32	813608192	813608192	✓	
target_StrtStop_Per1_SSScale_Uls_f32.value	0.753199995	0.753199995 ± 0.0001	✓	
target_StrtStop_Per1_SSSlew_UlspS_f32.value	228.535995	228.535995 ± 0.1	✓	
target_StrtStop_Per1_SSState_State_enum.value	5	5	✓	

Test Step Call Trace ✓				
Actual Function	Count	Expected Function	Count	Result
PreviousStCalc	1	PreviousStCalc	1	✓
SlewRateCalc	1	SlewRateCalc	1	✓

# TEST DETAILS REPORT

2016-07-18, 16:07:36+0530



StrtStop\_Per1

Test Step 2.32 (Repeat Count = 1) ✓				
Name	Input Value			
DtrmnElapsedTime_mS_u32(ElapsedTime)	target_DtrmnElapsedTime_mS_u32_ElapsedTime			
GetSystemTime_mS_u32(CurrentTime)	target_GetSystemTime_mS_u32_CurrentTime			
Rte_Inst_Ap_GMStrtStop	target_Rte_Inst_Ap_GMStrtStop			
StrtStop_SSScale_Uls_M_f32	1			
StrtStop_SSSlewRatePrev_UlspS_M_f32	0.100000001			
StrtStop_StOpModePrevPrev_Cnt_M_enum	5			
StrtStop_StOpModePrev_Cnt_M_enum	2			
StrtStop_StOpMode_Cnt_M_enum	1			
StrtStop_StopModeTimer1_mS_M_u32	3214987520			
StrtStop_StopModeTimer2_mS_M_u32	4093228800			
k_AlgEnable_Cnt_lgc	0			
k_FltRspRampDnRt_UlspS_f32	280.673401			
k_Mode1AssistDD_Uls_f32	1			
k_Mode1AssistSlew_UlspS_f32	464.014801			
k_Mode1EngTransThresh_Rpm_f32	7524.68506			
k_Mode1VehSpdTransThresh_Kph_f32	77.0968018			
k_Mode2AssistDD_Uls_f32	0.260699987			
k_Mode2AssistSlew_UlspS_f32	173.098297			
k_Mode2VehSpdTransThresh_Kph_f32	57.9828987			
k_NormalModeAssistSlew_UlspS_f32	152.613007			
k_NormalModeEngTransThresh_Rpm_f32	12570.4805			
k_NormalModeVehSpdTransThresh_Kph_f32	131.906006			
k_StopMode1AssistSlew_UlspS_f32	290.0867			
k_StopMode1HwTrqTransThresh_HwNm_f32	0.492599994			
k_StopMode1HwVelTransThresh_HwDegpS_f32	127.415398			
k_StopMode1Timer_Sec_u16	1			
k_StopMode1VehSpdTransThres_Kph_f32	104.4161			
k_StopMode2AssistSlew_UlspS_f32	391.097198			
k_StopMode2HwTrqTransThresh_HwNm_f32	9.06449986			
k_StopMode2HwVelTransThresh_HwDegpS_f32	56.8931007			
k_StopMode2Timer_Sec_u16	2			
k_StopMode2VehSpdTransThresh_Kph_f32	145.815308			
k_StopModeAssistDD_Uls_f32	0.256399989			
target_DtrmnElapsedTime_mS_u32_ElapsedTime	151700			
target_GetSystemTime_mS_u32_CurrentTime	39250			
target_Rte_Inst_Ap_GMStrtStop.StrtStop_Per1_APASState_State_enum	target_StrtStop_Per1_APASState_State_enum			
target_Rte_Inst_Ap_GMStrtStop.StrtStop_Per1_EngSpd_Rpm_f32	target_StrtStop_Per1_EngSpd_Rpm_f32			
target_Rte_Inst_Ap_GMStrtStop.StrtStop_Per1_HandwheelVelocity_HwRadpS_f32	target_StrtStop_Per1_HandwheelVelocity_HwRadpS_f32			
target_Rte_Inst_Ap_GMStrtStop.StrtStop_Per1_HwTorque_HwNm_f32	target_StrtStop_Per1_HwTorque_HwNm_f32			
target_Rte_Inst_Ap_GMStrtStop.StrtStop_Per1_SS12VFault_Cnt_lgc	target_StrtStop_Per1_SS12VFault_Cnt_lgc			
target_Rte_Inst_Ap_GMStrtStop.StrtStop_Per1_SSScale_Uls_f32	target_StrtStop_Per1_SSScale_Uls_f32			
target_Rte_Inst_Ap_GMStrtStop.StrtStop_Per1_SSSlew_UlspS_f32	target_StrtStop_Per1_SSSlew_UlspS_f32			
target_Rte_Inst_Ap_GMStrtStop.StrtStop_Per1_SSState_State_enum	target_StrtStop_Per1_SSState_State_enum			
target_Rte_Inst_Ap_GMStrtStop.StrtStop_Per1_VehicleSpeed_Kph_f32	target_StrtStop_Per1_VehicleSpeed_Kph_f32			
target_StrtStop_Per1_APASState_State_enum.value	2			
target_StrtStop_Per1_EngSpd_Rpm_f32.value	14296.4619			
target_StrtStop_Per1_HandwheelVelocity_HwRadpS_f32.value	29.8362007			
target_StrtStop_Per1_HwTorque_HwNm_f32.value	8.80440044			
target_StrtStop_Per1_SS12VFault_Cnt_lgc.value	0			
target_StrtStop_Per1_VehicleSpeed_Kph_f32.value	7.67659998			
Name	Actual Value	Expected Value	Result	
StrtStop_SSScale_Uls_M_f32	1	1	✓	
StrtStop_SSSlewRatePrev_UlspS_M_f32	0.100000001	0.100000001 ± 0.1	✓	
StrtStop_StOpModePrevPrev_Cnt_M_enum	2	2	✓	
StrtStop_StOpModePrev_Cnt_M_enum	5	5	✓	
StrtStop_StOpMode_Cnt_M_enum	5	5	✓	
StrtStop_StopModeTimer1_mS_M_u32	3214987520	3214987520	✓	
StrtStop_StopModeTimer2_mS_M_u32	4093228800	4093228800	✓	
target_StrtStop_Per1_SSScale_Uls_f32.value	1	1 ± 0.0001	✓	
target_StrtStop_Per1_SSSlew_UlspS_f32.value	0.100000001	0.100000001 ± 0.1	✓	
target_StrtStop_Per1_SSState_State_enum.value	5	5	✓	

Test Step Call Trace ✓				
Actual Function	Count	Expected Function	Count	Result
PreviousStCalc	1	PreviousStCalc	1	✓
SlewRateCalc	1	SlewRateCalc	1	✓

# TEST DETAILS REPORT

2016-07-18, 16:07:36+0530



StrtStop\_Per1

Test Step 2.33 (Repeat Count = 1) ✓				
Name	Input Value			
DtrmnElapsedTime_mS_u32(ElapsedTime)	target_DtrmnElapsedTime_mS_u32_ElapsedTime			
GetSystemTime_mS_u32(CurrentTime)	target_GetSystemTime_mS_u32_CurrentTime			
Rte_Inst_Ap_GMStrtStop	target_Rte_Inst_Ap_GMStrtStop			
StrtStop_SSScale_Uls_M_f32	1			
StrtStop_SSSlewRatePrev_UlspS_M_f32	500			
StrtStop_StOpModePrevPrev_Cnt_M_enum	5			
StrtStop_StOpModePrev_Cnt_M_enum	0			
StrtStop_StOpMode_Cnt_M_enum	5			
StrtStop_StopModeTimer1_mS_M_u32	3376435200			
StrtStop_StopModeTimer2_mS_M_u32	390962688			
k_AlgEnable_Cnt_lgc	0			
k_FltRspRampDnRt_UlspS_f32	130.484497			
k_Mode1AssistDD_Uls_f32	1			
k_Mode1AssistSlew_UlspS_f32	340.554108			
k_Mode1EngTransThresh_Rpm_f32	14888.3496			
k_Mode1VehSpdTransThresh_Kph_f32	114.898399			
k_Mode2AssistDD_Uls_f32	1			
k_Mode2AssistSlew_UlspS_f32	264.454895			
k_Mode2VehSpdTransThresh_Kph_f32	144.097198			
k_NormalModeAssistSlew_UlspS_f32	208.634903			
k_NormalModeEngTransThresh_Rpm_f32	2025.06726			
k_NormalModeVehSpdTransThresh_Kph_f32	8.25339985			
k_StopMode1AssistSlew_UlspS_f32	261.588287			
k_StopMode1HwTrqTransThresh_HwNm_f32	4.39319992			
k_StopMode1HwVelTransThresh_HwDegpS_f32	192.104599			
k_StopMode1Timer_Sec_u16	0			
k_StopMode1VehSpdTransThresh_Kph_f32	174.489502			
k_StopMode2AssistSlew_UlspS_f32	401.613708			
k_StopMode2HwTrqTransThresh_HwNm_f32	6.81809998			
k_StopMode2HwVelTransThresh_HwDegpS_f32	144.000397			
k_StopMode2Timer_Sec_u16	4			
k_StopMode2VehSpdTransThresh_Kph_f32	7.42700005			
k_StopModeAssistDD_Uls_f32	1			
target_DtrmnElapsedTime_mS_u32_ElapsedTime	156850			
target_GetSystemTime_mS_u32_CurrentTime	40600			
target_Rte_Inst_Ap_GMStrtStop.StrtStop_Per1_APASState_State_enum	target_StrtStop_Per1_APASState_State_enum			
target_Rte_Inst_Ap_GMStrtStop.StrtStop_Per1_EngSpd_Rpm_f32	target_StrtStop_Per1_EngSpd_Rpm_f32			
target_Rte_Inst_Ap_GMStrtStop.StrtStop_Per1_HandwheelVelocity_HwRadpS_f32	target_StrtStop_Per1_HandwheelVelocity_HwRadpS_f32			
target_Rte_Inst_Ap_GMStrtStop.StrtStop_Per1_HwTorque_HwNm_f32	target_StrtStop_Per1_HwTorque_HwNm_f32			
target_Rte_Inst_Ap_GMStrtStop.StrtStop_Per1_SS12VFault_Cnt_lgc	target_StrtStop_Per1_SS12VFault_Cnt_lgc			
target_Rte_Inst_Ap_GMStrtStop.StrtStop_Per1_SSScale_Uls_f32	target_StrtStop_Per1_SSScale_Uls_f32			
target_Rte_Inst_Ap_GMStrtStop.StrtStop_Per1_SSSlew_UlspS_f32	target_StrtStop_Per1_SSSlew_UlspS_f32			
target_Rte_Inst_Ap_GMStrtStop.StrtStop_Per1_SSState_State_enum	target_StrtStop_Per1_SSState_State_enum			
target_Rte_Inst_Ap_GMStrtStop.StrtStop_Per1_VehicleSpeed_Kph_f32	target_StrtStop_Per1_VehicleSpeed_Kph_f32			
target_StrtStop_Per1_APASState_State_enum.value	2			
target_StrtStop_Per1_EngSpd_Rpm_f32.value	12299.8311			
target_StrtStop_Per1_HandwheelVelocity_HwRadpS_f32.value	-30.0855999			
target_StrtStop_Per1_HwTorque_HwNm_f32.value	-7.65990019			
target_StrtStop_Per1_SS12VFault_Cnt_lgc.value	1			
target_StrtStop_Per1_VehicleSpeed_Kph_f32.value	130.206894			
Name	Actual Value	Expected Value	Result	
StrtStop_SSScale_Uls_M_f32	1	1	✓	
StrtStop_SSSlewRatePrev_UlspS_M_f32	500	500 ± 0.1	✓	
StrtStop_StOpModePrevPrev_Cnt_M_enum	0	0	✓	
StrtStop_StOpModePrev_Cnt_M_enum	5	5	✓	
StrtStop_StOpMode_Cnt_M_enum	5	5	✓	
StrtStop_StopModeTimer1_mS_M_u32	3376435200	3376435200	✓	
StrtStop_StopModeTimer2_mS_M_u32	390962688	390962688	✓	
target_StrtStop_Per1_SSScale_Uls_f32.value	1	1 ± 0.0001	✓	
target_StrtStop_Per1_SSSlew_UlspS_f32.value	500	500 ± 0.1	✓	
target_StrtStop_Per1_SSState_State_enum.value	5	5	✓	

Test Step Call Trace ✓				
Actual Function	Count	Expected Function	Count	Result
PreviousStCalc	1	PreviousStCalc	1	✓
SlewRateCalc	1	SlewRateCalc	1	✓

# TEST DETAILS REPORT

2016-07-18, 16:07:36+0530



StrtStop\_Per1

## Test Step 2.34 (Repeat Count = 1)

Name	Input Value
DtrmnElapsedTime_mS_u32(ElapsedTime)	target_DtrmnElapsedTime_mS_u32_ElapsedTime
GetSystemTime_mS_u32(CurrentTime)	target_GetSystemTime_mS_u32_CurrentTime
Rte_Inst_Ap_GMStrtStop	target_Rte_Inst_Ap_GMStrtStop
StrtStop_SSScale_Uls_M_f32	1
StrtStop_SSSlewRatePrev_UlspS_M_f32	1.64049995
StrtStop_StOpModePrevPrev_Cnt_M_enum	3
StrtStop_StOpModePrev_Cnt_M_enum	0
StrtStop_StOpMode_Cnt_M_enum	5
StrtStop_StopModeTimer1_mS_M_u32	2367542016
StrtStop_StopModeTimer2_mS_M_u32	1101916416
k_AlgEnable_Cnt_lgc	1
k_FltRspRampDnRt_UlspS_f32	76.2073975
k_Mode1AssistDD_Uls_f32	0.297699988
k_Mode1AssistSlew_UlspS_f32	108.504799
k_Mode1EngTransThresh_Rpm_f32	2780.81372
k_Mode1VehSpdTransThresh_Kph_f32	49.8665009
k_Mode2AssistDD_Uls_f32	1
k_Mode2AssistSlew_UlspS_f32	303.172485
k_Mode2VehSpdTransThresh_Kph_f32	172.324005
k_NormalModeAssistSlew_UlspS_f32	446.786011
k_NormalModeEngTransThresh_Rpm_f32	3826.94189
k_NormalModeVehSpdTransThresh_Kph_f32	70.8286972
k_StopMode1AssistSlew_UlspS_f32	81.439003
k_StopMode1HwTrqTransThresh_HwNm_f32	2.26209998
k_StopMode1HwVelTransThresh_HwDegpS_f32	117.761299
k_StopMode1Timer_Sec_u16	5
k_StopMode1VehSpdTransThres_Kph_f32	74.5712967
k_StopMode2AssistSlew_UlspS_f32	210.567596
k_StopMode2HwTrqTransThresh_HwNm_f32	5.44080019
k_StopMode2HwVelTransThresh_HwDegpS_f32	193.962006
k_StopMode2Timer_Sec_u16	4
k_StopMode2VehSpdTransThresh_Kph_f32	25.9776001
k_StopModeAssistDD_Uls_f32	0.080600009
target_DtrmnElapsedTime_mS_u32_ElapsedTime	162000
target_GetSystemTime_mS_u32_CurrentTime	41950
target_Rte_Inst_Ap_GMStrtStop.StrtStop_Per1_APASState_State_enum	target_StrtStop_Per1_APASState_State_enum
target_Rte_Inst_Ap_GMStrtStop.StrtStop_Per1_EngSpd_Rpm_f32	target_StrtStop_Per1_EngSpd_Rpm_f32
target_Rte_Inst_Ap_GMStrtStop.StrtStop_Per1_HandwheelVelocity_HwRadpS_f32	target_StrtStop_Per1_HandwheelVelocity_HwRadpS_f32
target_Rte_Inst_Ap_GMStrtStop.StrtStop_Per1_HwTorque_HwNm_f32	target_StrtStop_Per1_HwTorque_HwNm_f32
target_Rte_Inst_Ap_GMStrtStop.StrtStop_Per1_SS12VFault_Cnt_lgc	target_StrtStop_Per1_SS12VFault_Cnt_lgc
target_Rte_Inst_Ap_GMStrtStop.StrtStop_Per1_SSScale_Uls_f32	target_StrtStop_Per1_SSScale_Uls_f32
target_Rte_Inst_Ap_GMStrtStop.StrtStop_Per1_SSSlew_UlspS_f32	target_StrtStop_Per1_SSSlew_UlspS_f32
target_Rte_Inst_Ap_GMStrtStop.StrtStop_Per1_SSState_State_enum	target_StrtStop_Per1_SSState_State_enum
target_Rte_Inst_Ap_GMStrtStop.StrtStop_Per1_VehicleSpeed_Kph_f32	target_StrtStop_Per1_VehicleSpeed_Kph_f32
target_StrtStop_Per1_APASState_State_enum.value	2
target_StrtStop_Per1_EngSpd_Rpm_f32.value	4472.09229
target_StrtStop_Per1_HandwheelVelocity_HwRadpS_f32.value	-79.0091019
target_StrtStop_Per1_HwTorque_HwNm_f32.value	3.69989991
target_StrtStop_Per1_SS12VFault_Cnt_lgc.value	0
target_StrtStop_Per1_VehicleSpeed_Kph_f32.value	180.797607

Name	Actual Value	Expected Value	Result
StrtStop_SSScale_Uls_M_f32	1	1	✓
StrtStop_SSSlewRatePrev_UlspS_M_f32	1.64049995	1.64049995 ± 0.1	✓
StrtStop_StOpModePrevPrev_Cnt_M_enum	0	0	✓
StrtStop_StOpModePrev_Cnt_M_enum	5	5	✓
StrtStop_StOpMode_Cnt_M_enum	5	5	✓
StrtStop_StopModeTimer1_mS_M_u32	2367542016	2367542016	✓
StrtStop_StopModeTimer2_mS_M_u32	1101916416	1101916416	✓
target_StrtStop_Per1_SSScale_Uls_f32.value	1	1 ± 0.0001	✓
target_StrtStop_Per1_SSSlew_UlspS_f32.value	1.64049995	1.64049995 ± 0.1	✓
target_StrtStop_Per1_SSState_State_enum.value	5	5	✓

## Test Step Call Trace

Actual Function	Count	Expected Function	Count	Result
PreviousStCalc	1	PreviousStCalc	1	✓
SlewRateCalc	1	SlewRateCalc	1	✓

# TEST DETAILS REPORT

2016-07-18, 16:07:36+0530



StrtStop\_Per1

Test Step 2.35 (Repeat Count = 1) ✓				
Name	Input Value			
DtrmnElapsedTime_mS_u32(ElapsedTime)	target_DtrmnElapsedTime_mS_u32_ElapsedTime			
GetSystemTime_mS_u32(CurrentTime)	target_GetSystemTime_mS_u32_CurrentTime			
Rte_Inst_Ap_GMStrtStop	target_Rte_Inst_Ap_GMStrtStop			
StrtStop_SSScale_Uls_M_f32	0.587899983			
StrtStop_SSSlewRatePrev_UlspS_M_f32	413.556702			
StrtStop_StOpModePrevPrev_Cnt_M_enum	5			
StrtStop_StOpModePrev_Cnt_M_enum	0			
StrtStop_StOpMode_Cnt_M_enum	3			
StrtStop_StopModeTimer1_mS_M_u32	2404469248			
StrtStop_StopModeTimer2_mS_M_u32	1970866176			
k_AlgEnable_Cnt_lgc	0			
k_FltRspRampDnRt_UlspS_f32	219.563995			
k_Mode1AssistDD_Uls_f32	1			
k_Mode1AssistSlew_UlspS_f32	326.590393			
k_Mode1EngTransThresh_Rpm_f32	8129.00293			
k_Mode1VehSpdTransThresh_Kph_f32	187.780807			
k_Mode2AssistDD_Uls_f32	1			
k_Mode2AssistSlew_UlspS_f32	469.601593			
k_Mode2VehSpdTransThresh_Kph_f32	19.3719006			
k_NormalModeAssistSlew_UlspS_f32	235.525604			
k_NormalModeEngTransThresh_Rpm_f32	13168.9932			
k_NormalModeVehSpdTransThresh_Kph_f32	192.687607			
k_StopMode1AssistSlew_UlspS_f32	385.714508			
k_StopMode1HwTrqTransThresh_HwNm_f32	1.25619996			
k_StopMode1HwVelTransThresh_HwDegpS_f32	91.430603			
k_StopMode1Timer_Sec_u16	2			
k_StopMode1VehSpdTransThresh_Kph_f32	30.8568001			
k_StopMode2AssistSlew_UlspS_f32	229.089905			
k_StopMode2HwTrqTransThresh_HwNm_f32	5.7343998			
k_StopMode2HwVelTransThresh_HwDegpS_f32	98.5391998			
k_StopMode2Timer_Sec_u16	2			
k_StopMode2VehSpdTransThresh_Kph_f32	42.1063004			
k_StopModeAssistDD_Uls_f32	1			
target_DtrmnElapsedTime_mS_u32_ElapsedTime	167150			
target_GetSystemTime_mS_u32_CurrentTime	43300			
target_Rte_Inst_Ap_GMStrtStop.StrtStop_Per1_APASState_State_enum	target_StrtStop_Per1_APASState_State_enum			
target_Rte_Inst_Ap_GMStrtStop.StrtStop_Per1_EngSpd_Rpm_f32	target_StrtStop_Per1_EngSpd_Rpm_f32			
target_Rte_Inst_Ap_GMStrtStop.StrtStop_Per1_HandwheelVelocity_HwRadpS_f32	target_StrtStop_Per1_HandwheelVelocity_HwRadpS_f32			
target_Rte_Inst_Ap_GMStrtStop.StrtStop_Per1_HwTorque_HwNm_f32	target_StrtStop_Per1_HwTorque_HwNm_f32			
target_Rte_Inst_Ap_GMStrtStop.StrtStop_Per1_SS12VFault_Cnt_lgc	target_StrtStop_Per1_SS12VFault_Cnt_lgc			
target_Rte_Inst_Ap_GMStrtStop.StrtStop_Per1_SSScale_Uls_f32	target_StrtStop_Per1_SSScale_Uls_f32			
target_Rte_Inst_Ap_GMStrtStop.StrtStop_Per1_SSSlew_UlspS_f32	target_StrtStop_Per1_SSSlew_UlspS_f32			
target_Rte_Inst_Ap_GMStrtStop.StrtStop_Per1_SSState_State_enum	target_StrtStop_Per1_SSState_State_enum			
target_Rte_Inst_Ap_GMStrtStop.StrtStop_Per1_VehicleSpeed_Kph_f32	target_StrtStop_Per1_VehicleSpeed_Kph_f32			
target_StrtStop_Per1_APASState_State_enum.value	0			
target_StrtStop_Per1_EngSpd_Rpm_f32.value	11037.5322			
target_StrtStop_Per1_HandwheelVelocity_HwRadpS_f32.value	-62.7341003			
target_StrtStop_Per1_HwTorque_HwNm_f32.value	8.90699959			
target_StrtStop_Per1_SS12VFault_Cnt_lgc.value	0			
target_StrtStop_Per1_VehicleSpeed_Kph_f32.value	68.4180984			
Name	Actual Value	Expected Value	Result	
StrtStop_SSScale_Uls_M_f32	1	1	✓	
StrtStop_SSSlewRatePrev_UlspS_M_f32	219.563995	219.563995 ± 0.1	✓	
StrtStop_StOpModePrevPrev_Cnt_M_enum	0	0	✓	
StrtStop_StOpModePrev_Cnt_M_enum	5	5	✓	
StrtStop_StOpMode_Cnt_M_enum	5	5	✓	
StrtStop_StopModeTimer1_mS_M_u32	2404469248	2404469248	✓	
StrtStop_StopModeTimer2_mS_M_u32	1970866176	1970866176	✓	
target_StrtStop_Per1_SSScale_Uls_f32.value	1	1 ± 0.0001	✓	
target_StrtStop_Per1_SSSlew_UlspS_f32.value	219.563995	219.563995 ± 0.1	✓	
target_StrtStop_Per1_SSState_State_enum.value	5	5	✓	

Test Step Call Trace ✓				
Actual Function	Count	Expected Function	Count	Result
PreviousStCalc	1	PreviousStCalc	1	✓
SlewRateCalc	1	SlewRateCalc	1	✓



# TEST DETAILS REPORT

2016-07-18, 16:07:36+0530



StrtStop\_Per1

## Test Step 2.36 (Repeat Count = 1)

Name	Input Value
DtrmnElapsedTime_mS_u32(ElapsedTime)	target_DtrmnElapsedTime_mS_u32_ElapsedTime
GetSystemTime_mS_u32(CurrentTime)	target_GetSystemTime_mS_u32_CurrentTime
Rte_Inst_Ap_GMStrtStop	target_Rte_Inst_Ap_GMStrtStop
StrtStop_SSScale_Uls_M_f32	0.141000003
StrtStop_SSSlewRatePrev_UlspS_M_f32	327.05069
StrtStop_StOpModePrevPrev_Cnt_M_enum	3
StrtStop_StOpModePrev_Cnt_M_enum	0
StrtStop_StOpMode_Cnt_M_enum	2
StrtStop_StopModeTimer1_mS_M_u32	3478316288
StrtStop_StopModeTimer2_mS_M_u32	1901308672
k_AlgEnable_Cnt_lgc	1
k_FltRspRampDnRt_UlspS_f32	442.736908
k_Mode1AssistDD_Uls_f32	1
k_Mode1AssistSlew_UlspS_f32	449.089294
k_Mode1EngTransThresh_Rpm_f32	6156.07959
k_Mode1VehSpdTransThresh_Kph_f32	83.7696991
k_Mode2AssistDD_Uls_f32	0.885500014
k_Mode2AssistSlew_UlspS_f32	468.738007
k_Mode2VehSpdTransThresh_Kph_f32	117.730904
k_NormalModeAssistSlew_UlspS_f32	204.996704
k_NormalModeEngTransThresh_Rpm_f32	1318.57886
k_NormalModeVehSpdTransThresh_Kph_f32	142.044205
k_StopMode1AssistSlew_UlspS_f32	275.324585
k_StopMode1HwTrqTransThresh_HwNm_f32	6.53439999
k_StopMode1HwVelTransThresh_HwDegpS_f32	87.0675964
k_StopMode1Timer_Sec_u16	5
k_StopMode1VehSpdTransThresh_Kph_f32	24.0949993
k_StopMode2AssistSlew_UlspS_f32	428.589294
k_StopMode2HwTrqTransThresh_HwNm_f32	1.93099999
k_StopMode2HwVelTransThresh_HwDegpS_f32	17.4841003
k_StopMode2Timer_Sec_u16	3
k_StopMode2VehSpdTransThresh_Kph_f32	117.566399
k_StopModeAssistDD_Uls_f32	0.718999982
target_DtrmnElapsedTime_mS_u32_ElapsedTime	172300
target_GetSystemTime_mS_u32_CurrentTime	44650
target_Rte_Inst_Ap_GMStrtStop.StrtStop_Per1_APASState_State_enum	target_StrtStop_Per1_APASState_State_enum
target_Rte_Inst_Ap_GMStrtStop.StrtStop_Per1_EngSpd_Rpm_f32	target_StrtStop_Per1_EngSpd_Rpm_f32
target_Rte_Inst_Ap_GMStrtStop.StrtStop_Per1_HandwheelVelocity_HwRadpS_f32	target_StrtStop_Per1_HandwheelVelocity_HwRadpS_f32
target_Rte_Inst_Ap_GMStrtStop.StrtStop_Per1_HwTorque_HwNm_f32	target_StrtStop_Per1_HwTorque_HwNm_f32
target_Rte_Inst_Ap_GMStrtStop.StrtStop_Per1_SS12VFault_Cnt_lgc	target_StrtStop_Per1_SS12VFault_Cnt_lgc
target_Rte_Inst_Ap_GMStrtStop.StrtStop_Per1_SSScale_Uls_f32	target_StrtStop_Per1_SSScale_Uls_f32
target_Rte_Inst_Ap_GMStrtStop.StrtStop_Per1_SSSlew_UlspS_f32	target_StrtStop_Per1_SSSlew_UlspS_f32
target_Rte_Inst_Ap_GMStrtStop.StrtStop_Per1_SSState_State_enum	target_StrtStop_Per1_SSState_State_enum
target_Rte_Inst_Ap_GMStrtStop.StrtStop_Per1_VehicleSpeed_Kph_f32	target_StrtStop_Per1_VehicleSpeed_Kph_f32
target_StrtStop_Per1_APASState_State_enum.value	0
target_StrtStop_Per1_EngSpd_Rpm_f32.value	4204.80078
target_StrtStop_Per1_HandwheelVelocity_HwRadpS_f32.value	-84.3853989
target_StrtStop_Per1_HwTorque_HwNm_f32.value	-5.13649988
target_StrtStop_Per1_SS12VFault_Cnt_lgc.value	1
target_StrtStop_Per1_VehicleSpeed_Kph_f32.value	23.5659008

Name	Actual Value	Expected Value	Result
StrtStop_SSScale_Uls_M_f32	1	1	✓
StrtStop_SSSlewRatePrev_UlspS_M_f32	442.736908	442.736908 ± 0.1	✓
StrtStop_StOpModePrevPrev_Cnt_M_enum	0	0	✓
StrtStop_StOpModePrev_Cnt_M_enum	4	4	✓
StrtStop_StOpMode_Cnt_M_enum	4	4	✓
StrtStop_StopModeTimer1_mS_M_u32	3478316288	3478316288	✓
StrtStop_StopModeTimer2_mS_M_u32	1901308672	1901308672	✓
target_StrtStop_Per1_SSScale_Uls_f32.value	1	1 ± 0.0001	✓
target_StrtStop_Per1_SSSlew_UlspS_f32.value	442.736908	442.736908 ± 0.1	✓
target_StrtStop_Per1_SSState_State_enum.value	4	4	✓

## Test Step Call Trace

Actual Function	Count	Expected Function	Count	Result
PreviousStCalc	1	PreviousStCalc	1	✓
SlewRateCalc	1	SlewRateCalc	1	✓



# TEST DETAILS REPORT

2016-07-18, 16:07:36+0530



StrtStop\_Per1

Test Step 2.37 (Repeat Count = 1) ✓				
Name	Input Value			
DtrmnElapsedTime_mS_u32(ElapsedTime)	target_DtrmnElapsedTime_mS_u32_ElapsedTime			
GetSystemTime_mS_u32(CurrentTime)	target_GetSystemTime_mS_u32_CurrentTime			
Rte_Inst_Ap_GMStrtStop	target_Rte_Inst_Ap_GMStrtStop			
StrtStop_SSScale_Uls_M_f32	1			
StrtStop_SSSlewRatePrev_UlspS_M_f32	23.5202007			
StrtStop_StOpModePrevPrev_Cnt_M_enum	4			
StrtStop_StOpModePrev_Cnt_M_enum	1			
StrtStop_StOpMode_Cnt_M_enum	0			
StrtStop_StopModeTimer1_mS_M_u32	4068509440			
StrtStop_StopModeTimer2_mS_M_u32	3036118272			
k_AlgEnable_Cnt_lgc	1			
k_FltRspRampDnRt_UlspS_f32	310.166992			
k_Mode1AssistDD_Uls_f32	1			
k_Mode1AssistSlew_UlspS_f32	62.4688988			
k_Mode1EngTransThresh_Rpm_f32	0			
k_Mode1VehSpdTransThresh_Kph_f32	186.181107			
k_Mode2AssistDD_Uls_f32	0.483200014			
k_Mode2AssistSlew_UlspS_f32	175.960907			
k_Mode2VehSpdTransThresh_Kph_f32	23.9277			
k_NormalModeAssistSlew_UlspS_f32	325.622009			
k_NormalModeEngTransThresh_Rpm_f32	812.323303			
k_NormalModeVehSpdTransThresh_Kph_f32	39.6867981			
k_StopMode1AssistSlew_UlspS_f32	379.285614			
k_StopMode1HwTrqTransThresh_HwNm_f32	0.612600029			
k_StopMode1HwVelTransThresh_HwDegpS_f32	191.062195			
k_StopMode1Timer_Sec_u16	4			
k_StopMode1VehSpdTransThres_Kph_f32	25.4437008			
k_StopMode2AssistSlew_UlspS_f32	192.132004			
k_StopMode2HwTrqTransThresh_HwNm_f32	6.77250004			
k_StopMode2HwVelTransThresh_HwDegpS_f32	170.802094			
k_StopMode2Timer_Sec_u16	4			
k_StopMode2VehSpdTransThresh_Kph_f32	116.519302			
k_StopModeAssistDD_Uls_f32	1			
target_DtrmnElapsedTime_mS_u32_ElapsedTime	177450			
target_GetSystemTime_mS_u32_CurrentTime	46000			
target_Rte_Inst_Ap_GMStrtStop.StrtStop_Per1_APASState_State_enum	target_StrtStop_Per1_APASState_State_enum			
target_Rte_Inst_Ap_GMStrtStop.StrtStop_Per1_EngSpd_Rpm_f32	target_StrtStop_Per1_EngSpd_Rpm_f32			
target_Rte_Inst_Ap_GMStrtStop.StrtStop_Per1_HandwheelVelocity_HwRadpS_f32	target_StrtStop_Per1_HandwheelVelocity_HwRadpS_f32			
target_Rte_Inst_Ap_GMStrtStop.StrtStop_Per1_HwTorque_HwNm_f32	target_StrtStop_Per1_HwTorque_HwNm_f32			
target_Rte_Inst_Ap_GMStrtStop.StrtStop_Per1_SS12VFault_Cnt_lgc	target_StrtStop_Per1_SS12VFault_Cnt_lgc			
target_Rte_Inst_Ap_GMStrtStop.StrtStop_Per1_SSScale_Uls_f32	target_StrtStop_Per1_SSScale_Uls_f32			
target_Rte_Inst_Ap_GMStrtStop.StrtStop_Per1_SSSlew_UlspS_f32	target_StrtStop_Per1_SSSlew_UlspS_f32			
target_Rte_Inst_Ap_GMStrtStop.StrtStop_Per1_SSState_State_enum	target_StrtStop_Per1_SSState_State_enum			
target_Rte_Inst_Ap_GMStrtStop.StrtStop_Per1_VehicleSpeed_Kph_f32	target_StrtStop_Per1_VehicleSpeed_Kph_f32			
target_StrtStop_Per1_APASState_State_enum.value	0			
target_StrtStop_Per1_EngSpd_Rpm_f32.value	507.117889			
target_StrtStop_Per1_HandwheelVelocity_HwRadpS_f32.value	92.8134003			
target_StrtStop_Per1_HwTorque_HwNm_f32.value	7.76989985			
target_StrtStop_Per1_SS12VFault_Cnt_lgc.value	0			
target_StrtStop_Per1_VehicleSpeed_Kph_f32.value	155.090897			
Name	Actual Value	Expected Value	Result	
StrtStop_SSScale_Uls_M_f32	1	1	✓	
StrtStop_SSSlewRatePrev_UlspS_M_f32	325.622009	325.622009 ± 0.1	✓	
StrtStop_StOpModePrevPrev_Cnt_M_enum	1	1	✓	
StrtStop_StOpModePrev_Cnt_M_enum	0	0	✓	
StrtStop_StOpMode_Cnt_M_enum	0	0	✓	
StrtStop_StopModeTimer1_mS_M_u32	4068509440	4068509440	✓	
StrtStop_StopModeTimer2_mS_M_u32	3036118272	3036118272	✓	
target_StrtStop_Per1_SSScale_Uls_f32.value	1	1 ± 0.0001	✓	
target_StrtStop_Per1_SSSlew_UlspS_f32.value	325.622009	325.622009 ± 0.1	✓	
target_StrtStop_Per1_SSState_State_enum.value	0	0	✓	

Test Step Call Trace ✓				
Actual Function	Count	Expected Function	Count	Result
PreviousStCalc	1	PreviousStCalc	1	✓
SlewRateCalc	1	SlewRateCalc	1	✓

# TEST DETAILS REPORT

2016-07-18, 16:07:36+0530



StrtStop\_Per1

## Test Step 2.38 (Repeat Count = 1)

Name	Input Value
DtrmnElapsedTime_mS_u32(ElapsedTime)	target_DtrmnElapsedTime_mS_u32_ElapsedTime
GetSystemTime_mS_u32(CurrentTime)	target_GetSystemTime_mS_u32_CurrentTime
Rte_Inst_Ap_GMStrtStop	target_Rte_Inst_Ap_GMStrtStop
StrtStop_SSScale_Uls_M_f32	1
StrtStop_SSSlewRatePrev_UlspS_M_f32	456.624908
StrtStop_StOpModePrevPrev_Cnt_M_enum	4
StrtStop_StOpModePrev_Cnt_M_enum	0
StrtStop_StOpMode_Cnt_M_enum	0
StrtStop_StopModeTimer1_mS_M_u32	2063150592
StrtStop_StopModeTimer2_mS_M_u32	3941354496
k_AlgEnable_Cnt_lgc	1
k_FltRspRampDnRt_UlspS_f32	290.191406
k_Mode1AssistDD_Uls_f32	0.805599988
k_Mode1AssistSlew_UlspS_f32	269.645386
k_Mode1EngTransThresh_Rpm_f32	16383.75
k_Mode1VehSpdTransThresh_Kph_f32	141.824707
k_Mode2AssistDD_Uls_f32	1
k_Mode2AssistSlew_UlspS_f32	212.026398
k_Mode2VehSpdTransThresh_Kph_f32	162.128204
k_NormalModeAssistSlew_UlspS_f32	173.081406
k_NormalModeEngTransThresh_Rpm_f32	3864.00879
k_NormalModeVehSpdTransThresh_Kph_f32	143.067596
k_StopMode1AssistSlew_UlspS_f32	286.203888
k_StopMode1HwTrqTransThresh_HwNm_f32	0.868399978
k_StopMode1HwVelTransThresh_HwDegpS_f32	189.506195
k_StopMode1Timer_Sec_u16	5
k_StopMode1VehSpdTransThresh_Kph_f32	46.9714012
k_StopMode2AssistSlew_UlspS_f32	4.23019981
k_StopMode2HwTrqTransThresh_HwNm_f32	1.0654
k_StopMode2HwVelTransThresh_HwDegpS_f32	141.362503
k_StopMode2Timer_Sec_u16	5
k_StopMode2VehSpdTransThresh_Kph_f32	32.1837997
k_StopModeAssistDD_Uls_f32	1
target_DtrmnElapsedTime_mS_u32_ElapsedTime	182600
target_GetSystemTime_mS_u32_CurrentTime	47350
target_Rte_Inst_Ap_GMStrtStop.StrtStop_Per1_APASState_State_enum	target_StrtStop_Per1_APASState_State_enum
target_Rte_Inst_Ap_GMStrtStop.StrtStop_Per1_EngSpd_Rpm_f32	target_StrtStop_Per1_EngSpd_Rpm_f32
target_Rte_Inst_Ap_GMStrtStop.StrtStop_Per1_HandwheelVelocity_HwRadpS_f32	target_StrtStop_Per1_HandwheelVelocity_HwRadpS_f32
target_Rte_Inst_Ap_GMStrtStop.StrtStop_Per1_HwTorque_HwNm_f32	target_StrtStop_Per1_HwTorque_HwNm_f32
target_Rte_Inst_Ap_GMStrtStop.StrtStop_Per1_SS12VFault_Cnt_lgc	target_StrtStop_Per1_SS12VFault_Cnt_lgc
target_Rte_Inst_Ap_GMStrtStop.StrtStop_Per1_SSScale_Uls_f32	target_StrtStop_Per1_SSScale_Uls_f32
target_Rte_Inst_Ap_GMStrtStop.StrtStop_Per1_SSSlew_UlspS_f32	target_StrtStop_Per1_SSSlew_UlspS_f32
target_Rte_Inst_Ap_GMStrtStop.StrtStop_Per1_SSState_State_enum	target_StrtStop_Per1_SSState_State_enum
target_Rte_Inst_Ap_GMStrtStop.StrtStop_Per1_VehicleSpeed_Kph_f32	target_StrtStop_Per1_VehicleSpeed_Kph_f32
target_StrtStop_Per1_APASState_State_enum.value	1
target_StrtStop_Per1_EngSpd_Rpm_f32.value	5287.64844
target_StrtStop_Per1_HandwheelVelocity_HwRadpS_f32.value	8.94789982
target_StrtStop_Per1_HwTorque_HwNm_f32.value	-0.734499991
target_StrtStop_Per1_SS12VFault_Cnt_lgc.value	0
target_StrtStop_Per1_VehicleSpeed_Kph_f32.value	71.9789963

Name	Actual Value	Expected Value	Result
StrtStop_SSScale_Uls_M_f32	0.805599988	0.805599988	✓
StrtStop_SSSlewRatePrev_UlspS_M_f32	269.645386	269.645386 ± 0.1	✓
StrtStop_StOpModePrevPrev_Cnt_M_enum	0	0	✓
StrtStop_StOpModePrev_Cnt_M_enum	1	1	✓
StrtStop_StOpMode_Cnt_M_enum	1	1	✓
StrtStop_StopModeTimer1_mS_M_u32	47350	47350	✓
StrtStop_StopModeTimer2_mS_M_u32	3941354496	3941354496	✓
target_StrtStop_Per1_SSScale_Uls_f32.value	0.805599988	0.805599988 ± 0.0001	✓
target_StrtStop_Per1_SSSlew_UlspS_f32.value	269.645386	269.645386 ± 0.1	✓
target_StrtStop_Per1_SSState_State_enum.value	1	1	✓

## Test Step Call Trace

Actual Function	Count	Expected Function	Count	Result
GetSystemTime_mS_u32	1	GetSystemTime_mS_u32	1	✓
PreviousStCalc	1	PreviousStCalc	1	✓
SlewRateCalc	1	SlewRateCalc	1	✓

# TEST DETAILS REPORT

2016-07-18, 16:07:36+0530



StrtStop\_Per1

## Test Step 2.39 (Repeat Count = 1)

Name	Input Value
DtrmnElapsedTime_mS_u32(ElapsedTime)	target_DtrmnElapsedTime_mS_u32_ElapsedTime
GetSystemTime_mS_u32(CurrentTime)	target_GetSystemTime_mS_u32_CurrentTime
Rte_Inst_Ap_GMStrtStop	target_Rte_Inst_Ap_GMStrtStop
StrtStop_SSScale_Uls_M_f32	0.704699993
StrtStop_SSSlewRatePrev_UlspS_M_f32	245.906097
StrtStop_StOpModePrevPrev_Cnt_M_enum	5
StrtStop_StOpModePrev_Cnt_M_enum	0
StrtStop_StOpMode_Cnt_M_enum	0
StrtStop_StopModeTimer1_mS_M_u32	4176165120
StrtStop_StopModeTimer2_mS_M_u32	3809074944
k_AlgEnable_Cnt_lgc	1
k_FltRspRampDnRt_UlspS_f32	42.1612015
k_Mode1AssistDD_Uls_f32	1
k_Mode1AssistSlew_UlspS_f32	328.507111
k_Mode1EngTransThresh_Rpm_f32	3000
k_Mode1VehSpdTransThresh_Kph_f32	187.9254
k_Mode2AssistDD_Uls_f32	1
k_Mode2AssistSlew_UlspS_f32	278.91861
k_Mode2VehSpdTransThresh_Kph_f32	44.0093002
k_NormalModeAssistSlew_UlspS_f32	292.662994
k_NormalModeEngTransThresh_Rpm_f32	6452.48975
k_NormalModeVehSpdTransThresh_Kph_f32	167.291397
k_StopMode1AssistSlew_UlspS_f32	320.593597
k_StopMode1HwTrqTransThresh_HwNm_f32	4.45620012
k_StopMode1HwVelTransThresh_HwDegpS_f32	156.655807
k_StopMode1Timer_Sec_u16	1
k_StopMode1VehSpdTransThresh_Kph_f32	17.8062992
k_StopMode2AssistSlew_UlspS_f32	65.2929001
k_StopMode2HwTrqTransThresh_HwNm_f32	9.71049976
k_StopMode2HwVelTransThresh_HwDegpS_f32	31.7338009
k_StopMode2Timer_Sec_u16	4
k_StopMode2VehSpdTransThresh_Kph_f32	15.4768
k_StopModeAssistDD_Uls_f32	1
target_DtrmnElapsedTime_mS_u32_ElapsedTime	187750
target_GetSystemTime_mS_u32_CurrentTime	48700
target_Rte_Inst_Ap_GMStrtStop.StrtStop_Per1_APASState_State_enum	target_StrtStop_Per1_APASState_State_enum
target_Rte_Inst_Ap_GMStrtStop.StrtStop_Per1_EngSpd_Rpm_f32	target_StrtStop_Per1_EngSpd_Rpm_f32
target_Rte_Inst_Ap_GMStrtStop.StrtStop_Per1_HandwheelVelocity_HwRadpS_f32	target_StrtStop_Per1_HandwheelVelocity_HwRadpS_f32
target_Rte_Inst_Ap_GMStrtStop.StrtStop_Per1_HwTorque_HwNm_f32	target_StrtStop_Per1_HwTorque_HwNm_f32
target_Rte_Inst_Ap_GMStrtStop.StrtStop_Per1_SS12VFault_Cnt_lgc	target_StrtStop_Per1_SS12VFault_Cnt_lgc
target_Rte_Inst_Ap_GMStrtStop.StrtStop_Per1_SSScale_Uls_f32	target_StrtStop_Per1_SSScale_Uls_f32
target_Rte_Inst_Ap_GMStrtStop.StrtStop_Per1_SSSlew_UlspS_f32	target_StrtStop_Per1_SSSlew_UlspS_f32
target_Rte_Inst_Ap_GMStrtStop.StrtStop_Per1_SSState_State_enum	target_StrtStop_Per1_SSState_State_enum
target_Rte_Inst_Ap_GMStrtStop.StrtStop_Per1_VehicleSpeed_Kph_f32	target_StrtStop_Per1_VehicleSpeed_Kph_f32
target_StrtStop_Per1_APASState_State_enum.value	0
target_StrtStop_Per1_EngSpd_Rpm_f32.value	12946.0645
target_StrtStop_Per1_HandwheelVelocity_HwRadpS_f32.value	-0.630299985
target_StrtStop_Per1_HwTorque_HwNm_f32.value	0.332100004
target_StrtStop_Per1_SS12VFault_Cnt_lgc.value	0
target_StrtStop_Per1_VehicleSpeed_Kph_f32.value	82.8113022

Name	Actual Value	Expected Value	Result
StrtStop_SSScale_Uls_M_f32	0.704699993	0.704699993	✓
StrtStop_SSSlewRatePrev_UlspS_M_f32	1	1 ± 0.1	✓
StrtStop_StOpModePrevPrev_Cnt_M_enum	5	5	✓
StrtStop_StOpModePrev_Cnt_M_enum	0	0	✓
StrtStop_StOpMode_Cnt_M_enum	0	0	✓
StrtStop_StopModeTimer1_mS_M_u32	4176165120	4176165120	✓
StrtStop_StopModeTimer2_mS_M_u32	3809074944	3809074944	✓
target_StrtStop_Per1_SSScale_Uls_f32.value	0.704699993	0.704699993 ± 0.0001	✓
target_StrtStop_Per1_SSSlew_UlspS_f32.value	1	1 ± 0.1	✓
target_StrtStop_Per1_SSState_State_enum.value	0	0	✓

## Test Step Call Trace

Actual Function	Count	Expected Function	Count	Result
PreviousStCalc	1	PreviousStCalc	1	✓
SlewRateCalc	1	SlewRateCalc	1	✓

# TEST DETAILS REPORT

2016-07-18, 16:07:36+0530



StrtStop\_Per1

Test Step 2.40 (Repeat Count = 1) ✓				
Name	Input Value			
DtrmnElapsedTime_mS_u32(ElapsedTime)	target_DtrmnElapsedTime_mS_u32_ElapsedTime			
GetSystemTime_mS_u32(CurrentTime)	target_GetSystemTime_mS_u32_CurrentTime			
Rte_Inst_Ap_GMStrtStop	target_Rte_Inst_Ap_GMStrtStop			
StrtStop_SSScale_Uls_M_f32	1			
StrtStop_SSSlewRatePrev_UlspS_M_f32	335.920197			
StrtStop_StOpModePrevPrev_Cnt_M_enum	0			
StrtStop_StOpModePrev_Cnt_M_enum	4			
StrtStop_StOpMode_Cnt_M_enum	0			
StrtStop_StopModeTimer1_mS_M_u32	2835421184			
StrtStop_StopModeTimer2_mS_M_u32	482158080			
k_AlgEnable_Cnt_lgc	1			
k_FltRspRampDnRt_UlspS_f32	426.566101			
k_Mode1AssistDD_Uls_f32	1			
k_Mode1AssistSlew_UlspS_f32	83.042099			
k_Mode1EngTransThresh_Rpm_f32	1269.29639			
k_Mode1VehSpdTransThresh_Kph_f32	0			
k_Mode2AssistDD_Uls_f32	1			
k_Mode2AssistSlew_UlspS_f32	22.5692997			
k_Mode2VehSpdTransThresh_Kph_f32	199.8564			
k_NormalModeAssistSlew_UlspS_f32	415.832703			
k_NormalModeEngTransThresh_Rpm_f32	11586.6377			
k_NormalModeVehSpdTransThresh_Kph_f32	184.459			
k_StopMode1AssistSlew_UlspS_f32	169.334106			
k_StopMode1HwTrqTransThresh_HwNm_f32	7.4394002			
k_StopMode1HwVelTransThresh_HwDegpS_f32	101.074402			
k_StopMode1Timer_Sec_u16	0			
k_StopMode1VehSpdTransThres_Kph_f32	86.9852982			
k_StopMode2AssistSlew_UlspS_f32	106.476501			
k_StopMode2HwTrqTransThresh_HwNm_f32	8.51640034			
k_StopMode2HwVelTransThresh_HwDegpS_f32	60.2747993			
k_StopMode2Timer_Sec_u16	4			
k_StopMode2VehSpdTransThresh_Kph_f32	58.175499			
k_StopModeAssistDD_Uls_f32	0.775099993			
target_DtrmnElapsedTime_mS_u32_ElapsedTime	192900			
target_GetSystemTime_mS_u32_CurrentTime	50050			
target_Rte_Inst_Ap_GMStrtStop.StrtStop_Per1_APASState_State_enum	target_StrtStop_Per1_APASState_State_enum			
target_Rte_Inst_Ap_GMStrtStop.StrtStop_Per1_EngSpd_Rpm_f32	target_StrtStop_Per1_EngSpd_Rpm_f32			
target_Rte_Inst_Ap_GMStrtStop.StrtStop_Per1_HandwheelVelocity_HwRadpS_f32	target_StrtStop_Per1_HandwheelVelocity_HwRadpS_f32			
target_Rte_Inst_Ap_GMStrtStop.StrtStop_Per1_HwTorque_HwNm_f32	target_StrtStop_Per1_HwTorque_HwNm_f32			
target_Rte_Inst_Ap_GMStrtStop.StrtStop_Per1_SS12VFault_Cnt_lgc	target_StrtStop_Per1_SS12VFault_Cnt_lgc			
target_Rte_Inst_Ap_GMStrtStop.StrtStop_Per1_SSScale_Uls_f32	target_StrtStop_Per1_SSScale_Uls_f32			
target_Rte_Inst_Ap_GMStrtStop.StrtStop_Per1_SSSlew_UlspS_f32	target_StrtStop_Per1_SSSlew_UlspS_f32			
target_Rte_Inst_Ap_GMStrtStop.StrtStop_Per1_SSState_State_enum	target_StrtStop_Per1_SSState_State_enum			
target_Rte_Inst_Ap_GMStrtStop.StrtStop_Per1_VehicleSpeed_Kph_f32	target_StrtStop_Per1_VehicleSpeed_Kph_f32			
target_StrtStop_Per1_APASState_State_enum.value	0			
target_StrtStop_Per1_EngSpd_Rpm_f32.value	0.5			
target_StrtStop_Per1_HandwheelVelocity_HwRadpS_f32.value	95.5662994			
target_StrtStop_Per1_HwTorque_HwNm_f32.value	6.15959978			
target_StrtStop_Per1_SS12VFault_Cnt_lgc.value	0			
target_StrtStop_Per1_VehicleSpeed_Kph_f32.value	150.262207			
Name	Actual Value	Expected Value	Result	
StrtStop_SSScale_Uls_M_f32	1	1	✓	
StrtStop_SSSlewRatePrev_UlspS_M_f32	426.566101	426.566101 ± 0.1	✓	
StrtStop_StOpModePrevPrev_Cnt_M_enum	4	4	✓	
StrtStop_StOpModePrev_Cnt_M_enum	0	0	✓	
StrtStop_StOpMode_Cnt_M_enum	0	0	✓	
StrtStop_StopModeTimer1_mS_M_u32	2835421184	2835421184	✓	
StrtStop_StopModeTimer2_mS_M_u32	482158080	482158080	✓	
target_StrtStop_Per1_SSScale_Uls_f32.value	1	1 ± 0.0001	✓	
target_StrtStop_Per1_SSSlew_UlspS_f32.value	426.566101	426.566101 ± 0.1	✓	
target_StrtStop_Per1_SSState_State_enum.value	0	0	✓	

Test Step Call Trace ✓				
Actual Function	Count	Expected Function	Count	Result
PreviousStCalc	1	PreviousStCalc	1	✓
SlewRateCalc	1	SlewRateCalc	1	✓

# TEST DETAILS REPORT

2016-07-18, 16:07:36+0530



StrtStop\_Per1

## Test Step 2.41 (Repeat Count = 1)

Name	Input Value
DtrmnElapsedTime_mS_u32(ElapsedTime)	target_DtrmnElapsedTime_mS_u32_ElapsedTime
GetSystemTime_mS_u32(CurrentTime)	target_GetSystemTime_mS_u32_CurrentTime
Rte_Inst_Ap_GMStrtStop	target_Rte_Inst_Ap_GMStrtStop
StrtStop_SSScale_Uls_M_f32	0.321200013
StrtStop_SSSlewRatePrev_UlspS_M_f32	33.0737
StrtStop_StOpModePrevPrev_Cnt_M_enum	4
StrtStop_StOpModePrev_Cnt_M_enum	5
StrtStop_StOpMode_Cnt_M_enum	0
StrtStop_StopModeTimer1_mS_M_u32	3405478656
StrtStop_StopModeTimer2_mS_M_u32	964645120
k_AlgEnable_Cnt_lgc	1
k_FltRspRampDnRt_UlspS_f32	195.876999
k_Mode1AssistDD_Uls_f32	0.763499975
k_Mode1AssistSlew_UlspS_f32	118.195503
k_Mode1EngTransThresh_Rpm_f32	3900.15405
k_Mode1VehSpdTransThresh_Kph_f32	200
k_Mode2AssistDD_Uls_f32	0.866299987
k_Mode2AssistSlew_UlspS_f32	50.7537003
k_Mode2VehSpdTransThresh_Kph_f32	64.0310974
k_NormalModeAssistSlew_UlspS_f32	197.199005
k_NormalModeEngTransThresh_Rpm_f32	9711.8125
k_NormalModeVehSpdTransThresh_Kph_f32	1.62650001
k_StopMode1AssistSlew_UlspS_f32	109.952797
k_StopMode1HwTrqTransThresh_HwNm_f32	8.81239986
k_StopMode1HwVelTransThresh_HwDegpS_f32	24.2793999
k_StopMode1Timer_Sec_u16	2
k_StopMode1VehSpdTransThresh_Kph_f32	72.5843964
k_StopMode2AssistSlew_UlspS_f32	155.079697
k_StopMode2HwTrqTransThresh_HwNm_f32	5.93730021
k_StopMode2HwVelTransThresh_HwDegpS_f32	44.2495995
k_StopMode2Timer_Sec_u16	1
k_StopMode2VehSpdTransThresh_Kph_f32	191.033493
k_StopModeAssistDD_Uls_f32	1
target_DtrmnElapsedTime_mS_u32_ElapsedTime	198050
target_GetSystemTime_mS_u32_CurrentTime	51400
target_Rte_Inst_Ap_GMStrtStop.StrtStop_Per1_APASState_State_enum	target_StrtStop_Per1_APASState_State_enum
target_Rte_Inst_Ap_GMStrtStop.StrtStop_Per1_EngSpd_Rpm_f32	target_StrtStop_Per1_EngSpd_Rpm_f32
target_Rte_Inst_Ap_GMStrtStop.StrtStop_Per1_HandwheelVelocity_HwRadpS_f32	target_StrtStop_Per1_HandwheelVelocity_HwRadpS_f32
target_Rte_Inst_Ap_GMStrtStop.StrtStop_Per1_HwTorque_HwNm_f32	target_StrtStop_Per1_HwTorque_HwNm_f32
target_Rte_Inst_Ap_GMStrtStop.StrtStop_Per1_SS12VFault_Cnt_lgc	target_StrtStop_Per1_SS12VFault_Cnt_lgc
target_Rte_Inst_Ap_GMStrtStop.StrtStop_Per1_SSScale_Uls_f32	target_StrtStop_Per1_SSScale_Uls_f32
target_Rte_Inst_Ap_GMStrtStop.StrtStop_Per1_SSSlew_UlspS_f32	target_StrtStop_Per1_SSSlew_UlspS_f32
target_Rte_Inst_Ap_GMStrtStop.StrtStop_Per1_SSState_State_enum	target_StrtStop_Per1_SSState_State_enum
target_Rte_Inst_Ap_GMStrtStop.StrtStop_Per1_VehicleSpeed_Kph_f32	target_StrtStop_Per1_VehicleSpeed_Kph_f32
target_StrtStop_Per1_APASState_State_enum.value	0
target_StrtStop_Per1_EngSpd_Rpm_f32.value	1.24000001
target_StrtStop_Per1_HandwheelVelocity_HwRadpS_f32.value	-56.2221985
target_StrtStop_Per1_HwTorque_HwNm_f32.value	7.5328002
target_StrtStop_Per1_SS12VFault_Cnt_lgc.value	0
target_StrtStop_Per1_VehicleSpeed_Kph_f32.value	87.7533035

Name	Actual Value	Expected Value	Result
StrtStop_SSScale_Uls_M_f32	0.763499975	0.763499975	✓
StrtStop_SSSlewRatePrev_UlspS_M_f32	1	1 ± 0.1	✓
StrtStop_StOpModePrevPrev_Cnt_M_enum	5	5	✓
StrtStop_StOpModePrev_Cnt_M_enum	1	1	✓
StrtStop_StOpMode_Cnt_M_enum	1	1	✓
StrtStop_StopModeTimer1_mS_M_u32	51400	51400	✓
StrtStop_StopModeTimer2_mS_M_u32	964645120	964645120	✓
target_StrtStop_Per1_SSScale_Uls_f32.value	0.763499975	0.763499975 ± 0.0001	✓
target_StrtStop_Per1_SSSlew_UlspS_f32.value	1	1 ± 0.1	✓
target_StrtStop_Per1_SSState_State_enum.value	1	1	✓

## Test Step Call Trace

Actual Function	Count	Expected Function	Count	Result
GetSystemTime_mS_u32	1	GetSystemTime_mS_u32	1	✓
PreviousStCalc	1	PreviousStCalc	1	✓
SlewRateCalc	1	SlewRateCalc	1	✓

# TEST DETAILS REPORT

2016-07-18, 16:07:36+0530



StrtStop\_Per1

Test Step 2.42 (Repeat Count = 1) ✓				
Name	Input Value			
DtrmnElapsedTime_mS_u32(ElapsedTime)	target_DtrmnElapsedTime_mS_u32_ElapsedTime			
GetSystemTime_mS_u32(CurrentTime)	target_GetSystemTime_mS_u32_CurrentTime			
Rte_Inst_Ap_GMStrtStop	target_Rte_Inst_Ap_GMStrtStop			
StrtStop_SSScale_Uls_M_f32	1			
StrtStop_SSSlewRatePrev_UlspS_M_f32	6.91960001			
StrtStop_StOpModePrevPrev_Cnt_M_enum	3			
StrtStop_StOpModePrev_Cnt_M_enum	3			
StrtStop_StOpMode_Cnt_M_enum	0			
StrtStop_StopModeTimer1_mS_M_u32	3193459200			
StrtStop_StopModeTimer2_mS_M_u32	4121219072			
k_AlgEnable_Cnt_lgc	1			
k_FltRspRampDnRt_UlspS_f32	92.6615982			
k_Mode1AssistDD_Uls_f32	0.984899998			
k_Mode1AssistSlew_UlspS_f32	332.003906			
k_Mode1EngTransThresh_Rpm_f32	1098.81396			
k_Mode1VehSpdTransThresh_Kph_f32	10			
k_Mode2AssistDD_Uls_f32	0.521399975			
k_Mode2AssistSlew_UlspS_f32	404.335205			
k_Mode2VehSpdTransThresh_Kph_f32	66.7957993			
k_NormalModeAssistSlew_UlspS_f32	118.717903			
k_NormalModeEngTransThresh_Rpm_f32	14691.2588			
k_NormalModeVehSpdTransThresh_Kph_f32	127.5504			
k_StopMode1AssistSlew_UlspS_f32	293.569214			
k_StopMode1HwTrqTransThresh_HwNm_f32	6.03830004			
k_StopMode1HwVelTransThresh_HwDegpS_f32	91.0945969			
k_StopMode1Timer_Sec_u16	3			
k_StopMode1VehSpdTransThres_Kph_f32	126.8162			
k_StopMode2AssistSlew_UlspS_f32	463.302399			
k_StopMode2HwTrqTransThresh_HwNm_f32	3.97110009			
k_StopMode2HwVelTransThresh_HwDegpS_f32	118.843903			
k_StopMode2Timer_Sec_u16	1			
k_StopMode2VehSpdTransThresh_Kph_f32	102.535103			
k_StopModeAssistDD_Uls_f32	0.881900012			
target_DtrmnElapsedTime_mS_u32_ElapsedTime	203200			
target_GetSystemTime_mS_u32_CurrentTime	52750			
target_Rte_Inst_Ap_GMStrtStop.StrtStop_Per1_APASState_State_enum	target_StrtStop_Per1_APASState_State_enum			
target_Rte_Inst_Ap_GMStrtStop.StrtStop_Per1_EngSpd_Rpm_f32	target_StrtStop_Per1_EngSpd_Rpm_f32			
target_Rte_Inst_Ap_GMStrtStop.StrtStop_Per1_HandwheelVelocity_HwRadpS_f32	target_StrtStop_Per1_HandwheelVelocity_HwRadpS_f32			
target_Rte_Inst_Ap_GMStrtStop.StrtStop_Per1_HwTorque_HwNm_f32	target_StrtStop_Per1_HwTorque_HwNm_f32			
target_Rte_Inst_Ap_GMStrtStop.StrtStop_Per1_SS12VFault_Cnt_lgc	target_StrtStop_Per1_SS12VFault_Cnt_lgc			
target_Rte_Inst_Ap_GMStrtStop.StrtStop_Per1_SSScale_Uls_f32	target_StrtStop_Per1_SSScale_Uls_f32			
target_Rte_Inst_Ap_GMStrtStop.StrtStop_Per1_SSSlew_UlspS_f32	target_StrtStop_Per1_SSSlew_UlspS_f32			
target_Rte_Inst_Ap_GMStrtStop.StrtStop_Per1_SSState_State_enum	target_StrtStop_Per1_SSState_State_enum			
target_Rte_Inst_Ap_GMStrtStop.StrtStop_Per1_VehicleSpeed_Kph_f32	target_StrtStop_Per1_VehicleSpeed_Kph_f32			
target_StrtStop_Per1_APASState_State_enum.value	0			
target_StrtStop_Per1_EngSpd_Rpm_f32.value	5.23999977			
target_StrtStop_Per1_HandwheelVelocity_HwRadpS_f32.value	-23.8227997			
target_StrtStop_Per1_HwTorque_HwNm_f32.value	-1.96599996			
target_StrtStop_Per1_SS12VFault_Cnt_lgc.value	0			
target_StrtStop_Per1_VehicleSpeed_Kph_f32.value	144.686493			
Name	Actual Value	Expected Value	Result	
StrtStop_SSScale_Uls_M_f32	1	1	✓	
StrtStop_SSSlewRatePrev_UlspS_M_f32	118.717903	118.717903 ± 0.1	✓	
StrtStop_StOpModePrevPrev_Cnt_M_enum	3	3	✓	
StrtStop_StOpModePrev_Cnt_M_enum	0	0	✓	
StrtStop_StOpMode_Cnt_M_enum	0	0	✓	
StrtStop_StopModeTimer1_mS_M_u32	3193459200	3193459200	✓	
StrtStop_StopModeTimer2_mS_M_u32	4121219072	4121219072	✓	
target_StrtStop_Per1_SSScale_Uls_f32.value	1	1 ± 0.0001	✓	
target_StrtStop_Per1_SSSlew_UlspS_f32.value	118.717903	118.717903 ± 0.1	✓	
target_StrtStop_Per1_SSState_State_enum.value	0	0	✓	

Test Step Call Trace ✓				
Actual Function	Count	Expected Function	Count	Result
PreviousStCalc	1	PreviousStCalc	1	✓
SlewRateCalc	1	SlewRateCalc	1	✓

# TEST DETAILS REPORT

2016-07-18, 16:07:36+0530



StrtStop\_Per1

## Test Step 2.43 (Repeat Count = 1)

Name	Input Value
DtrmnElapsedTime_mS_u32(ElapsedTime)	target_DtrmnElapsedTime_mS_u32_ElapsedTime
GetSystemTime_mS_u32(CurrentTime)	target_GetSystemTime_mS_u32_CurrentTime
Rte_Inst_Ap_GMStrtStop	target_Rte_Inst_Ap_GMStrtStop
StrtStop_SSScale_Uls_M_f32	0.739199996
StrtStop_SSSlewRatePrev_UlspS_M_f32	478.880707
StrtStop_StOpModePrevPrev_Cnt_M_enum	5
StrtStop_StOpModePrev_Cnt_M_enum	4
StrtStop_StOpMode_Cnt_M_enum	0
StrtStop_StopModeTimer1_mS_M_u32	140365056
StrtStop_StopModeTimer2_mS_M_u32	972051200
k_AlgEnable_Cnt_lgc	1
k_FltRspRampDnRt_UlspS_f32	377.574707
k_Mode1AssistDD_Uls_f32	0.00109999999
k_Mode1AssistSlew_UlspS_f32	78.9414978
k_Mode1EngTransThresh_Rpm_f32	13686.0264
k_Mode1VehSpdTransThresh_Kph_f32	13.1429005
k_Mode2AssistDD_Uls_f32	0.595600009
k_Mode2AssistSlew_UlspS_f32	377.155396
k_Mode2VehSpdTransThresh_Kph_f32	104.323097
k_NormalModeAssistSlew_UlspS_f32	397.176697
k_NormalModeEngTransThresh_Rpm_f32	12952.5254
k_NormalModeVehSpdTransThresh_Kph_f32	50.1867981
k_StopMode1AssistSlew_UlspS_f32	321.12149
k_StopMode1HwTrqTransThresh_HwNm_f32	1.38880002
k_StopMode1HwVelTransThresh_HwDegpS_f32	51.9207001
k_StopMode1Timer_Sec_u16	3
k_StopMode1VehSpdTransThres_Kph_f32	169.721207
k_StopMode2AssistSlew_UlspS_f32	274.056
k_StopMode2HwTrqTransThresh_HwNm_f32	2.54290009
k_StopMode2HwVelTransThresh_HwDegpS_f32	113.567802
k_StopMode2Timer_Sec_u16	0
k_StopMode2VehSpdTransThresh_Kph_f32	178.991592
k_StopModeAssistDD_Uls_f32	0.55250001
target_DtrmnElapsedTime_mS_u32_ElapsedTime	208350
target_GetSystemTime_mS_u32_CurrentTime	54100
target_Rte_Inst_Ap_GMStrtStop.StrtStop_Per1_APASState_State_enum	target_StrtStop_Per1_APASState_State_enum
target_Rte_Inst_Ap_GMStrtStop.StrtStop_Per1_EngSpd_Rpm_f32	target_StrtStop_Per1_EngSpd_Rpm_f32
target_Rte_Inst_Ap_GMStrtStop.StrtStop_Per1_HandwheelVelocity_HwRadpS_f32	target_StrtStop_Per1_HandwheelVelocity_HwRadpS_f32
target_Rte_Inst_Ap_GMStrtStop.StrtStop_Per1_HwTorque_HwNm_f32	target_StrtStop_Per1_HwTorque_HwNm_f32
target_Rte_Inst_Ap_GMStrtStop.StrtStop_Per1_SS12VFault_Cnt_lgc	target_StrtStop_Per1_SS12VFault_Cnt_lgc
target_Rte_Inst_Ap_GMStrtStop.StrtStop_Per1_SSScale_Uls_f32	target_StrtStop_Per1_SSScale_Uls_f32
target_Rte_Inst_Ap_GMStrtStop.StrtStop_Per1_SSSlew_UlspS_f32	target_StrtStop_Per1_SSSlew_UlspS_f32
target_Rte_Inst_Ap_GMStrtStop.StrtStop_Per1_SSState_State_enum	target_StrtStop_Per1_SSState_State_enum
target_Rte_Inst_Ap_GMStrtStop.StrtStop_Per1_VehicleSpeed_Kph_f32	target_StrtStop_Per1_VehicleSpeed_Kph_f32
target_StrtStop_Per1_APASState_State_enum.value	0
target_StrtStop_Per1_EngSpd_Rpm_f32.value	4171.58838
target_StrtStop_Per1_HandwheelVelocity_HwRadpS_f32.value	-20.4353008
target_StrtStop_Per1_HwTorque_HwNm_f32.value	-5.89379978
target_StrtStop_Per1_SS12VFault_Cnt_lgc.value	0
target_StrtStop_Per1_VehicleSpeed_Kph_f32.value	101.855003

Name	Actual Value	Expected Value	Result
StrtStop_SSScale_Uls_M_f32	0.739199996	0.739199996	✓
StrtStop_SSSlewRatePrev_UlspS_M_f32	377.574707	377.574707 ± 0.1	✓
StrtStop_StOpModePrevPrev_Cnt_M_enum	4	4	✓
StrtStop_StOpModePrev_Cnt_M_enum	0	0	✓
StrtStop_StOpMode_Cnt_M_enum	0	0	✓
StrtStop_StopModeTimer1_mS_M_u32	140365056	140365056	✓
StrtStop_StopModeTimer2_mS_M_u32	972051200	972051200	✓
target_StrtStop_Per1_SSScale_Uls_f32.value	0.739199996	0.739199996 ± 0.0001	✓
target_StrtStop_Per1_SSSlew_UlspS_f32.value	377.574707	377.574707 ± 0.1	✓
target_StrtStop_Per1_SSState_State_enum.value	0	0	✓

## Test Step Call Trace

Actual Function	Count	Expected Function	Count	Result
PreviousStCalc	1	PreviousStCalc	1	✓
SlewRateCalc	1	SlewRateCalc	1	✓



# TEST DETAILS REPORT

2016-07-18, 16:07:36+0530



StrtStop\_Per1

## Test Step 2.44 (Repeat Count = 1)



Name	Input Value
DtrmnElapsedTime_mS_u32(ElapsedTime)	target_DtrmnElapsedTime_mS_u32_ElapsedTime
GetSystemTime_mS_u32(CurrentTime)	target_GetSystemTime_mS_u32_CurrentTime
Rte_Inst_Ap_GMStrtStop	target_Rte_Inst_Ap_GMStrtStop
StrtStop_SSScale_Uls_M_f32	1
StrtStop_SSSlewRatePrev_UlspS_M_f32	105.245003
StrtStop_StOpModePrevPrev_Cnt_M_enum	5
StrtStop_StOpModePrev_Cnt_M_enum	5
StrtStop_StOpMode_Cnt_M_enum	0
StrtStop_StopModeTimer1_mS_M_u32	771316736
StrtStop_StopModeTimer2_mS_M_u32	4074359296
k_AlgEnable_Cnt_lgc	1
k_FltRspRampDnRt_UlspS_f32	317.0784
k_Mode1AssistDD_Uls_f32	1
k_Mode1AssistSlew_UlspS_f32	142.634705
k_Mode1EngTransThresh_Rpm_f32	3312.6438
k_Mode1VehSpdTransThresh_Kph_f32	19.7362995
k_Mode2AssistDD_Uls_f32	1
k_Mode2AssistSlew_UlspS_f32	332.094086
k_Mode2VehSpdTransThresh_Kph_f32	143.214798
k_NormalModeAssistSlew_UlspS_f32	403.247406
k_NormalModeEngTransThresh_Rpm_f32	10315.3652
k_NormalModeVehSpdTransThresh_Kph_f32	71.990799
k_StopMode1AssistSlew_UlspS_f32	225.104202
k_StopMode1HwTrqTransThresh_HwNm_f32	4.06540012
k_StopMode1HwVelTransThresh_HwDegpS_f32	171.939606
k_StopMode1Timer_Sec_u16	5
k_StopMode1VehSpdTransThresh_Kph_f32	115.142097
k_StopMode2AssistSlew_UlspS_f32	357.373688
k_StopMode2HwTrqTransThresh_HwNm_f32	6.12050009
k_StopMode2HwVelTransThresh_HwDegpS_f32	85.6885986
k_StopMode2Timer_Sec_u16	2
k_StopMode2VehSpdTransThresh_Kph_f32	102.1754
k_StopModeAssistDD_Uls_f32	0.6329
target_DtrmnElapsedTime_mS_u32_ElapsedTime	213500
target_GetSystemTime_mS_u32_CurrentTime	55450
target_Rte_Inst_Ap_GMStrtStop.StrtStop_Per1_APASState_State_enum	target_StrtStop_Per1_APASState_State_enum
target_Rte_Inst_Ap_GMStrtStop.StrtStop_Per1_EngSpd_Rpm_f32	target_StrtStop_Per1_EngSpd_Rpm_f32
target_Rte_Inst_Ap_GMStrtStop.StrtStop_Per1_HandwheelVelocity_HwRadpS_f32	target_StrtStop_Per1_HandwheelVelocity_HwRadpS_f32
target_Rte_Inst_Ap_GMStrtStop.StrtStop_Per1_HwTorque_HwNm_f32	target_StrtStop_Per1_HwTorque_HwNm_f32
target_Rte_Inst_Ap_GMStrtStop.StrtStop_Per1_SS12VFault_Cnt_lgc	target_StrtStop_Per1_SS12VFault_Cnt_lgc
target_Rte_Inst_Ap_GMStrtStop.StrtStop_Per1_SSScale_Uls_f32	target_StrtStop_Per1_SSScale_Uls_f32
target_Rte_Inst_Ap_GMStrtStop.StrtStop_Per1_SSSlew_UlspS_f32	target_StrtStop_Per1_SSSlew_UlspS_f32
target_Rte_Inst_Ap_GMStrtStop.StrtStop_Per1_SSState_State_enum	target_StrtStop_Per1_SSState_State_enum
target_Rte_Inst_Ap_GMStrtStop.StrtStop_Per1_VehicleSpeed_Kph_f32	target_StrtStop_Per1_VehicleSpeed_Kph_f32
target_StrtStop_Per1_APASState_State_enum.value	3
target_StrtStop_Per1_EngSpd_Rpm_f32.value	5580.75342
target_StrtStop_Per1_HandwheelVelocity_HwRadpS_f32.value	-43.4178009
target_StrtStop_Per1_HwTorque_HwNm_f32.value	-3.15070009
target_StrtStop_Per1_SS12VFault_Cnt_lgc.value	0
target_StrtStop_Per1_VehicleSpeed_Kph_f32.value	34.8821983

Name	Actual Value	Expected Value	Result
StrtStop_SSScale_Uls_M_f32	1	1	✓
StrtStop_SSSlewRatePrev_UlspS_M_f32	1	1 ± 0.1	✓
StrtStop_StOpModePrevPrev_Cnt_M_enum	5	5	✓
StrtStop_StOpModePrev_Cnt_M_enum	0	0	✓
StrtStop_StOpMode_Cnt_M_enum	0	0	✓
StrtStop_StopModeTimer1_mS_M_u32	771316736	771316736	✓
StrtStop_StopModeTimer2_mS_M_u32	4074359296	4074359296	✓
target_StrtStop_Per1_SSScale_Uls_f32.value	1	1 ± 0.0001	✓
target_StrtStop_Per1_SSSlew_UlspS_f32.value	1	1 ± 0.1	✓
target_StrtStop_Per1_SSState_State_enum.value	0	0	✓

## Test Step Call Trace



Actual Function	Count	Expected Function	Count	Result
PreviousStCalc	1	PreviousStCalc	1	✓
SlewRateCalc	1	SlewRateCalc	1	✓



# TEST DETAILS REPORT

2016-07-18, 16:07:36+0530



StrtStop\_Per1

## Test Step 2.45 (Repeat Count = 1)

Name	Input Value
DtrmnElapsedTime_mS_u32(ElapsedTime)	target_DtrmnElapsedTime_mS_u32_ElapsedTime
GetSystemTime_mS_u32(CurrentTime)	target_GetSystemTime_mS_u32_CurrentTime
Rte_Inst_Ap_GMStrtStop	target_Rte_Inst_Ap_GMStrtStop
StrtStop_SSScale_Uls_M_f32	0.328099996
StrtStop_SSSlewRatePrev_UlspS_M_f32	447.378693
StrtStop_StOpModePrevPrev_Cnt_M_enum	4
StrtStop_StOpModePrev_Cnt_M_enum	3
StrtStop_StOpMode_Cnt_M_enum	0
StrtStop_StopModeTimer1_mS_M_u32	1646440192
StrtStop_StopModeTimer2_mS_M_u32	1723426048
k_AlgEnable_Cnt_lgc	1
k_FltRspRampDnRt_UlspS_f32	463.806488
k_Mode1AssistDD_Uls_f32	0.5
k_Mode1AssistSlew_UlspS_f32	128.355804
k_Mode1EngTransThresh_Rpm_f32	12686.7949
k_Mode1VehSpdTransThresh_Kph_f32	141.173798
k_Mode2AssistDD_Uls_f32	1
k_Mode2AssistSlew_UlspS_f32	440.098999
k_Mode2VehSpdTransThresh_Kph_f32	112.305801
k_NormalModeAssistSlew_UlspS_f32	459.112305
k_NormalModeEngTransThresh_Rpm_f32	12089.5664
k_NormalModeVehSpdTransThresh_Kph_f32	172.627106
k_StopMode1AssistSlew_UlspS_f32	396.705414
k_StopMode1HwTrqTransThresh_HwNm_f32	4.4137001
k_StopMode1HwVelTransThresh_HwDegpS_f32	102.453903
k_StopMode1Timer_Sec_u16	1
k_StopMode1VehSpdTransThres_Kph_f32	194.659195
k_StopMode2AssistSlew_UlspS_f32	402.353607
k_StopMode2HwTrqTransThresh_HwNm_f32	10
k_StopMode2HwVelTransThresh_HwDegpS_f32	222.011093
k_StopMode2Timer_Sec_u16	0
k_StopMode2VehSpdTransThresh_Kph_f32	113.651299
k_StopModeAssistDD_Uls_f32	1
target_DtrmnElapsedTime_mS_u32_ElapsedTime	218650
target_GetSystemTime_mS_u32_CurrentTime	56800
target_Rte_Inst_Ap_GMStrtStop.StrtStop_Per1_APASState_State_enum	target_StrtStop_Per1_APASState_State_enum
target_Rte_Inst_Ap_GMStrtStop.StrtStop_Per1_EngSpd_Rpm_f32	target_StrtStop_Per1_EngSpd_Rpm_f32
target_Rte_Inst_Ap_GMStrtStop.StrtStop_Per1_HandwheelVelocity_HwRadpS_f32	target_StrtStop_Per1_HandwheelVelocity_HwRadpS_f32
target_Rte_Inst_Ap_GMStrtStop.StrtStop_Per1_HwTorque_HwNm_f32	target_StrtStop_Per1_HwTorque_HwNm_f32
target_Rte_Inst_Ap_GMStrtStop.StrtStop_Per1_SS12VFault_Cnt_lgc	target_StrtStop_Per1_SS12VFault_Cnt_lgc
target_Rte_Inst_Ap_GMStrtStop.StrtStop_Per1_SSScale_Uls_f32	target_StrtStop_Per1_SSScale_Uls_f32
target_Rte_Inst_Ap_GMStrtStop.StrtStop_Per1_SSSlew_UlspS_f32	target_StrtStop_Per1_SSSlew_UlspS_f32
target_Rte_Inst_Ap_GMStrtStop.StrtStop_Per1_SSState_State_enum	target_StrtStop_Per1_SSState_State_enum
target_Rte_Inst_Ap_GMStrtStop.StrtStop_Per1_VehicleSpeed_Kph_f32	target_StrtStop_Per1_VehicleSpeed_Kph_f32
target_StrtStop_Per1_APASState_State_enum.value	0
target_StrtStop_Per1_EngSpd_Rpm_f32.value	736.22998
target_StrtStop_Per1_HandwheelVelocity_HwRadpS_f32.value	1.17760003
target_StrtStop_Per1_HwTorque_HwNm_f32.value	-1.32210004
target_StrtStop_Per1_SS12VFault_Cnt_lgc.value	0
target_StrtStop_Per1_VehicleSpeed_Kph_f32.value	55.8894997

Name	Actual Value	Expected Value	Result
StrtStop_SSScale_Uls_M_f32	0.5	0.5	✓
StrtStop_SSSlewRatePrev_UlspS_M_f32	463.806488	463.806488 ± 0.1	✓
StrtStop_StOpModePrevPrev_Cnt_M_enum	3	3	✓
StrtStop_StOpModePrev_Cnt_M_enum	1	1	✓
StrtStop_StOpMode_Cnt_M_enum	1	1	✓
StrtStop_StopModeTimer1_mS_M_u32	56800	56800	✓
StrtStop_StopModeTimer2_mS_M_u32	1723426048	1723426048	✓
target_StrtStop_Per1_SSScale_Uls_f32.value	0.5	0.5 ± 0.0001	✓
target_StrtStop_Per1_SSSlew_UlspS_f32.value	463.806488	463.806488 ± 0.1	✓
target_StrtStop_Per1_SSState_State_enum.value	1	1	✓

## Test Step Call Trace

Actual Function	Count	Expected Function	Count	Result
GetSystemTime_mS_u32	1	GetSystemTime_mS_u32	1	✓
PreviousStCalc	1	PreviousStCalc	1	✓
SlewRateCalc	1	SlewRateCalc	1	✓

# TEST DETAILS REPORT

2016-07-18, 16:07:36+0530



StrtStop\_Per1

Test Step 2.46 (Repeat Count = 1)				
Name	Input Value			
DtrmnElapsedTime_mS_u32(ElapsedTime)	target_DtrmnElapsedTime_mS_u32_ElapsedTime			
GetSystemTime_mS_u32(CurrentTime)	target_GetSystemTime_mS_u32_CurrentTime			
Rte_Inst_Ap_GMStrtStop	target_Rte_Inst_Ap_GMStrtStop			
StrtStop_SSScale_Uls_M_f32	0.998300016			
StrtStop_SSSlewRatePrev_UlspS_M_f32	223.291901			
StrtStop_StOpModePrevPrev_Cnt_M_enum	4			
StrtStop_StOpModePrev_Cnt_M_enum	0			
StrtStop_StOpMode_Cnt_M_enum	1			
StrtStop_StopModeTimer1_mS_M_u32	3333600768			
StrtStop_StopModeTimer2_mS_M_u32	2672202752			
k_AlgEnable_Cnt_lgc	1			
k_FltRspRampDnRt_UlspS_f32	96.5988007			
k_Mode1AssistDD_Uls_f32	0.00870000012			
k_Mode1AssistSlew_UlspS_f32	360.833893			
k_Mode1EngTransThresh_Rpm_f32	16008.7813			
k_Mode1VehSpdTransThresh_Kph_f32	44.1456985			
k_Mode2AssistDD_Uls_f32	0.716099977			
k_Mode2AssistSlew_UlspS_f32	416.765015			
k_Mode2VehSpdTransThresh_Kph_f32	136.172104			
k_NormalModeAssistSlew_UlspS_f32	288.42981			
k_NormalModeEngTransThresh_Rpm_f32	0			
k_NormalModeVehSpdTransThresh_Kph_f32	164.010803			
k_StopMode1AssistSlew_UlspS_f32	199.947693			
k_StopMode1HwTrqTransThresh_HwNm_f32	10			
k_StopMode1HwVelTransThresh_HwDegpS_f32	51.0102997			
k_StopMode1Timer_Sec_u16	4			
k_StopMode1VehSpdTransThres_Kph_f32	196.206406			
k_StopMode2AssistSlew_UlspS_f32	353.108612			
k_StopMode2HwTrqTransThresh_HwNm_f32	0.48210001			
k_StopMode2HwVelTransThresh_HwDegpS_f32	141.301407			
k_StopMode2Timer_Sec_u16	2			
k_StopMode2VehSpdTransThresh_Kph_f32	20.0790997			
k_StopModeAssistDD_Uls_f32	0.498199999			
target_DtrmnElapsedTime_mS_u32_ElapsedTime	223800			
target_GetSystemTime_mS_u32_CurrentTime	58150			
target_Rte_Inst_Ap_GMStrtStop.StrtStop_Per1_APASState_State_enum	target_StrtStop_Per1_APASState_State_enum			
target_Rte_Inst_Ap_GMStrtStop.StrtStop_Per1_EngSpd_Rpm_f32	target_StrtStop_Per1_EngSpd_Rpm_f32			
target_Rte_Inst_Ap_GMStrtStop.StrtStop_Per1_HandwheelVelocity_HwRadpS_f32	target_StrtStop_Per1_HandwheelVelocity_HwRadpS_f32			
target_Rte_Inst_Ap_GMStrtStop.StrtStop_Per1_HwTorque_HwNm_f32	target_StrtStop_Per1_HwTorque_HwNm_f32			
target_Rte_Inst_Ap_GMStrtStop.StrtStop_Per1_SS12VFault_Cnt_lgc	target_StrtStop_Per1_SS12VFault_Cnt_lgc			
target_Rte_Inst_Ap_GMStrtStop.StrtStop_Per1_SSScale_Uls_f32	target_StrtStop_Per1_SSScale_Uls_f32			
target_Rte_Inst_Ap_GMStrtStop.StrtStop_Per1_SSSlew_UlspS_f32	target_StrtStop_Per1_SSSlew_UlspS_f32			
target_Rte_Inst_Ap_GMStrtStop.StrtStop_Per1_SSState_State_enum	target_StrtStop_Per1_SSState_State_enum			
target_Rte_Inst_Ap_GMStrtStop.StrtStop_Per1_VehicleSpeed_Kph_f32	target_StrtStop_Per1_VehicleSpeed_Kph_f32			
target_StrtStop_Per1_APASState_State_enum.value	0			
target_StrtStop_Per1_EngSpd_Rpm_f32.value	7904.46338			
target_StrtStop_Per1_HandwheelVelocity_HwRadpS_f32.value	-72.1147995			
target_StrtStop_Per1_HwTorque_HwNm_f32.value	-6.79379988			
target_StrtStop_Per1_SS12VFault_Cnt_lgc.value	0			
target_StrtStop_Per1_VehicleSpeed_Kph_f32.value	17.5387001			
Name	Actual Value	Expected Value	Result	
StrtStop_SSScale_Uls_M_f32	1	1	✓	
StrtStop_SSSlewRatePrev_UlspS_M_f32	96.5988007	96.5988007 ± 0.1	✓	
StrtStop_StOpModePrevPrev_Cnt_M_enum	4	4	✓	
StrtStop_StOpModePrev_Cnt_M_enum	0	0	✓	
StrtStop_StOpMode_Cnt_M_enum	0	0	✓	
StrtStop_StopModeTimer1_mS_M_u32	3333600768	3333600768	✓	
StrtStop_StopModeTimer2_mS_M_u32	2672202752	2672202752	✓	
target_StrtStop_Per1_SSScale_Uls_f32.value	1	1 ± 0.0001	✓	
target_StrtStop_Per1_SSSlew_UlspS_f32.value	96.5988007	96.5988007 ± 0.1	✓	
target_StrtStop_Per1_SSState_State_enum.value	0	0	✓	

Test Step Call Trace				
Actual Function	Count	Expected Function	Count	Result
DtrmnElapsedTime_mS_u32	1	DtrmnElapsedTime_mS_u32	1	✓
PreviousStCalc	1	PreviousStCalc	1	✓
SlewRateCalc	1	SlewRateCalc	1	✓

# TEST DETAILS REPORT

2016-07-18, 16:07:36+0530



StrtStop\_Per1

## Test Step 2.47 (Repeat Count = 1)

Name	Input Value
DtrmnElapsedTime_mS_u32(ElapsedTime)	target_DtrmnElapsedTime_mS_u32_ElapsedTime
GetSystemTime_mS_u32(CurrentTime)	target_GetSystemTime_mS_u32_CurrentTime
Rte_Inst_Ap_GMStrtStop	target_Rte_Inst_Ap_GMStrtStop
StrtStop_SSScale_Uls_M_f32	0.067400001
StrtStop_SSSlewRatePrev_UlspS_M_f32	85.2277985
StrtStop_StOpModePrevPrev_Cnt_M_enum	2
StrtStop_StOpModePrev_Cnt_M_enum	3
StrtStop_StOpMode_Cnt_M_enum	1
StrtStop_StopModeTimer1_mS_M_u32	3319701760
StrtStop_StopModeTimer2_mS_M_u32	3910862592
k_AlgEnable_Cnt_lgc	1
k_FltRspRampDnRt_UlspS_f32	71.4107971
k_Mode1AssistDD_Uls_f32	1
k_Mode1AssistSlew_UlspS_f32	440.644501
k_Mode1EngTransThresh_Rpm_f32	13090.1436
k_Mode1VehSpdTransThresh_Kph_f32	73.5644989
k_Mode2AssistDD_Uls_f32	1
k_Mode2AssistSlew_UlspS_f32	429.993896
k_Mode2VehSpdTransThresh_Kph_f32	107.842796
k_NormalModeAssistSlew_UlspS_f32	152.309601
k_NormalModeEngTransThresh_Rpm_f32	16383.75
k_NormalModeVehSpdTransThresh_Kph_f32	151.669296
k_StopMode1AssistSlew_UlspS_f32	430.902313
k_StopMode1HwTrqTransThresh_HwNm_f32	5.67670012
k_StopMode1HwVelTransThresh_HwDegpS_f32	153.605804
k_StopMode1Timer_Sec_u16	2
k_StopMode1VehSpdTransThresh_Kph_f32	111.957298
k_StopMode2AssistSlew_UlspS_f32	337.678009
k_StopMode2HwTrqTransThresh_HwNm_f32	6.5243001
k_StopMode2HwVelTransThresh_HwDegpS_f32	198.719498
k_StopMode2Timer_Sec_u16	2
k_StopMode2VehSpdTransThresh_Kph_f32	13.4162998
k_StopModeAssistDD_Uls_f32	0.110200003
target_DtrmnElapsedTime_mS_u32_ElapsedTime	228950
target_GetSystemTime_mS_u32_CurrentTime	59500
target_Rte_Inst_Ap_GMStrtStop.StrtStop_Per1_APASState_State_enum	target_StrtStop_Per1_APASState_State_enum
target_Rte_Inst_Ap_GMStrtStop.StrtStop_Per1_EngSpd_Rpm_f32	target_StrtStop_Per1_EngSpd_Rpm_f32
target_Rte_Inst_Ap_GMStrtStop.StrtStop_Per1_HandwheelVelocity_HwRadpS_f32	target_StrtStop_Per1_HandwheelVelocity_HwRadpS_f32
target_Rte_Inst_Ap_GMStrtStop.StrtStop_Per1_HwTorque_HwNm_f32	target_StrtStop_Per1_HwTorque_HwNm_f32
target_Rte_Inst_Ap_GMStrtStop.StrtStop_Per1_SS12VFault_Cnt_lgc	target_StrtStop_Per1_SS12VFault_Cnt_lgc
target_Rte_Inst_Ap_GMStrtStop.StrtStop_Per1_SSScale_Uls_f32	target_StrtStop_Per1_SSScale_Uls_f32
target_Rte_Inst_Ap_GMStrtStop.StrtStop_Per1_SSSlew_UlspS_f32	target_StrtStop_Per1_SSSlew_UlspS_f32
target_Rte_Inst_Ap_GMStrtStop.StrtStop_Per1_SSState_State_enum	target_StrtStop_Per1_SSState_State_enum
target_Rte_Inst_Ap_GMStrtStop.StrtStop_Per1_VehicleSpeed_Kph_f32	target_StrtStop_Per1_VehicleSpeed_Kph_f32
target_StrtStop_Per1_APASState_State_enum.value	2
target_StrtStop_Per1_EngSpd_Rpm_f32.value	3375.54028
target_StrtStop_Per1_HandwheelVelocity_HwRadpS_f32.value	3.9684
target_StrtStop_Per1_HwTorque_HwNm_f32.value	3.0165
target_StrtStop_Per1_SS12VFault_Cnt_lgc.value	0
target_StrtStop_Per1_VehicleSpeed_Kph_f32.value	196.765305

Name	Actual Value	Expected Value	Result
StrtStop_SSScale_Uls_M_f32	1	1	✓
StrtStop_SSSlewRatePrev_UlspS_M_f32	85.2277985	85.2277985 ± 0.1	✓
StrtStop_StOpModePrevPrev_Cnt_M_enum	3	3	✓
StrtStop_StOpModePrev_Cnt_M_enum	1	1	✓
StrtStop_StOpMode_Cnt_M_enum	1	1	✓
StrtStop_StopModeTimer1_mS_M_u32	3319701760	3319701760	✓
StrtStop_StopModeTimer2_mS_M_u32	3910862592	3910862592	✓
target_StrtStop_Per1_SSScale_Uls_f32.value	1	1 ± 0.0001	✓
target_StrtStop_Per1_SSSlew_UlspS_f32.value	85.2277985	85.2277985 ± 0.1	✓
target_StrtStop_Per1_SSState_State_enum.value	1	1	✓

## Test Step Call Trace

Actual Function	Count	Expected Function	Count	Result
DtrmnElapsedTime_mS_u32	1	DtrmnElapsedTime_mS_u32	1	✓
PreviousStCalc	1	PreviousStCalc	1	✓
SlewRateCalc	1	SlewRateCalc	1	✓

# TEST DETAILS REPORT

2016-07-18, 16:07:36+0530



StrtStop\_Per1

## Test Step 2.48 (Repeat Count = 1)

Name	Input Value
DtrmnElapsedTime_mS_u32(ElapsedTime)	target_DtrmnElapsedTime_mS_u32_ElapsedTime
GetSystemTime_mS_u32(CurrentTime)	target_GetSystemTime_mS_u32_CurrentTime
Rte_Inst_Ap_GMStrtStop	target_Rte_Inst_Ap_GMStrtStop
StrtStop_SSScale_Uls_M_f32	1
StrtStop_SSSlewRatePrev_UlspS_M_f32	144.1371
StrtStop_StOpModePrevPrev_Cnt_M_enum	4
StrtStop_StOpModePrev_Cnt_M_enum	1
StrtStop_StOpMode_Cnt_M_enum	1
StrtStop_StopModeTimer1_mS_M_u32	2982600704
StrtStop_StopModeTimer2_mS_M_u32	556379648
k_AlgEnable_Cnt_lgc	1
k_FltRspRampDnRt_UlspS_f32	240.251694
k_Mode1AssistDD_Uls_f32	1
k_Mode1AssistSlew_UlspS_f32	342.671692
k_Mode1EngTransThresh_Rpm_f32	7872.41895
k_Mode1VehSpdTransThresh_Kph_f32	154.742203
k_Mode2AssistDD_Uls_f32	0.865100026
k_Mode2AssistSlew_UlspS_f32	28.4204006
k_Mode2VehSpdTransThresh_Kph_f32	150.9599
k_NormalModeAssistSlew_UlspS_f32	470.267303
k_NormalModeEngTransThresh_Rpm_f32	3000
k_NormalModeVehSpdTransThresh_Kph_f32	190.202896
k_StopMode1AssistSlew_UlspS_f32	33.3382988
k_StopMode1HwTrqTransThresh_HwNm_f32	6.51189995
k_StopMode1HwVelTransThresh_HwDegpS_f32	236.337006
k_StopMode1Timer_Sec_u16	5
k_StopMode1VehSpdTransThres_Kph_f32	88.4645004
k_StopMode2AssistSlew_UlspS_f32	90.8102036
k_StopMode2HwTrqTransThresh_HwNm_f32	5.38290024
k_StopMode2HwVelTransThresh_HwDegpS_f32	188.410904
k_StopMode2Timer_Sec_u16	2
k_StopMode2VehSpdTransThresh_Kph_f32	78.9806976
k_StopModeAssistDD_Uls_f32	1
target_DtrmnElapsedTime_mS_u32_ElapsedTime	234100
target_GetSystemTime_mS_u32_CurrentTime	60850
target_Rte_Inst_Ap_GMStrtStop.StrtStop_Per1_APASState_State_enum	target_StrtStop_Per1_APASState_State_enum
target_Rte_Inst_Ap_GMStrtStop.StrtStop_Per1_EngSpd_Rpm_f32	target_StrtStop_Per1_EngSpd_Rpm_f32
target_Rte_Inst_Ap_GMStrtStop.StrtStop_Per1_HandwheelVelocity_HwRadpS_f32	target_StrtStop_Per1_HandwheelVelocity_HwRadpS_f32
target_Rte_Inst_Ap_GMStrtStop.StrtStop_Per1_HwTorque_HwNm_f32	target_StrtStop_Per1_HwTorque_HwNm_f32
target_Rte_Inst_Ap_GMStrtStop.StrtStop_Per1_SS12VFault_Cnt_lgc	target_StrtStop_Per1_SS12VFault_Cnt_lgc
target_Rte_Inst_Ap_GMStrtStop.StrtStop_Per1_SSScale_Uls_f32	target_StrtStop_Per1_SSScale_Uls_f32
target_Rte_Inst_Ap_GMStrtStop.StrtStop_Per1_SSSlew_UlspS_f32	target_StrtStop_Per1_SSSlew_UlspS_f32
target_Rte_Inst_Ap_GMStrtStop.StrtStop_Per1_SSState_State_enum	target_StrtStop_Per1_SSState_State_enum
target_Rte_Inst_Ap_GMStrtStop.StrtStop_Per1_VehicleSpeed_Kph_f32	target_StrtStop_Per1_VehicleSpeed_Kph_f32
target_StrtStop_Per1_APASState_State_enum.value	0
target_StrtStop_Per1_EngSpd_Rpm_f32.value	14165.1816
target_StrtStop_Per1_HandwheelVelocity_HwRadpS_f32.value	94.0382996
target_StrtStop_Per1_HwTorque_HwNm_f32.value	-7.91239977
target_StrtStop_Per1_SS12VFault_Cnt_lgc.value	0
target_StrtStop_Per1_VehicleSpeed_Kph_f32.value	57.0004005

Name	Actual Value	Expected Value	Result
StrtStop_SSScale_Uls_M_f32	1	1	✓
StrtStop_SSSlewRatePrev_UlspS_M_f32	470.267303	470.267303 ± 0.1	✓
StrtStop_StOpModePrevPrev_Cnt_M_enum	1	1	✓
StrtStop_StOpModePrev_Cnt_M_enum	0	0	✓
StrtStop_StOpMode_Cnt_M_enum	0	0	✓
StrtStop_StopModeTimer1_mS_M_u32	2982600704	2982600704	✓
StrtStop_StopModeTimer2_mS_M_u32	556379648	556379648	✓
target_StrtStop_Per1_SSScale_Uls_f32.value	1	1 ± 0.0001	✓
target_StrtStop_Per1_SSSlew_UlspS_f32.value	470.267303	470.267303 ± 0.1	✓
target_StrtStop_Per1_SSState_State_enum.value	0	0	✓

## Test Step Call Trace

Actual Function	Count	Expected Function	Count	Result
DtrmnElapsedTime_mS_u32	1	DtrmnElapsedTime_mS_u32	1	✓
PreviousStCalc	1	PreviousStCalc	1	✓
SlewRateCalc	1	SlewRateCalc	1	✓

# TEST DETAILS REPORT

2016-07-18, 16:07:36+0530



StrtStop\_Per1

## Test Step 2.49 (Repeat Count = 1)

Name	Input Value
DtrmnElapsedTime_mS_u32(ElapsedTime)	target_DtrmnElapsedTime_mS_u32_ElapsedTime
GetSystemTime_mS_u32(CurrentTime)	target_GetSystemTime_mS_u32_CurrentTime
Rte_Inst_Ap_GMStrtStop	target_Rte_Inst_Ap_GMStrtStop
StrtStop_SSScale_Uls_M_f32	1
StrtStop_SSSlewRatePrev_UlspS_M_f32	375.827209
StrtStop_StOpModePrevPrev_Cnt_M_enum	3
StrtStop_StOpModePrev_Cnt_M_enum	1
StrtStop_StOpMode_Cnt_M_enum	1
StrtStop_StopModeTimer1_mS_M_u32	3788120832
StrtStop_StopModeTimer2_mS_M_u32	1750710528
k_AlgEnable_Cnt_lgc	1
k_FltRspRampDnRt_UlspS_f32	299.167389
k_Mode1AssistDD_Uls_f32	0.663699985
k_Mode1AssistSlew_UlspS_f32	306.131714
k_Mode1EngTransThresh_Rpm_f32	11172.0264
k_Mode1VehSpdTransThresh_Kph_f32	43.5938988
k_Mode2AssistDD_Uls_f32	1
k_Mode2AssistSlew_UlspS_f32	409.120087
k_Mode2VehSpdTransThresh_Kph_f32	84.4088974
k_NormalModeAssistSlew_UlspS_f32	382.421814
k_NormalModeEngTransThresh_Rpm_f32	9750.66602
k_NormalModeVehSpdTransThresh_Kph_f32	7.26259995
k_StopMode1AssistSlew_UlspS_f32	183.599396
k_StopMode1HwTrqTransThresh_HwNm_f32	8.89340019
k_StopMode1HwVelTransThresh_HwDegpS_f32	118.653
k_StopMode1Timer_Sec_u16	1
k_StopMode1VehSpdTransThres_Kph_f32	0
k_StopMode2AssistSlew_UlspS_f32	51.6617012
k_StopMode2HwTrqTransThresh_HwNm_f32	3.91350007
k_StopMode2HwVelTransThresh_HwDegpS_f32	157.0616
k_StopMode2Timer_Sec_u16	0
k_StopMode2VehSpdTransThresh_Kph_f32	185.247192
k_StopModeAssistDD_Uls_f32	0.331200004
target_DtrmnElapsedTime_mS_u32_ElapsedTime	0
target_GetSystemTime_mS_u32_CurrentTime	100
target_Rte_Inst_Ap_GMStrtStop.StrtStop_Per1_APASState_State_enum	target_StrtStop_Per1_APASState_State_enum
target_Rte_Inst_Ap_GMStrtStop.StrtStop_Per1_EngSpd_Rpm_f32	target_StrtStop_Per1_EngSpd_Rpm_f32
target_Rte_Inst_Ap_GMStrtStop.StrtStop_Per1_HandwheelVelocity_HwRadpS_f32	target_StrtStop_Per1_HandwheelVelocity_HwRadpS_f32
target_Rte_Inst_Ap_GMStrtStop.StrtStop_Per1_HwTorque_HwNm_f32	target_StrtStop_Per1_HwTorque_HwNm_f32
target_Rte_Inst_Ap_GMStrtStop.StrtStop_Per1_SS12VFault_Cnt_lgc	target_StrtStop_Per1_SS12VFault_Cnt_lgc
target_Rte_Inst_Ap_GMStrtStop.StrtStop_Per1_SSScale_Uls_f32	target_StrtStop_Per1_SSScale_Uls_f32
target_Rte_Inst_Ap_GMStrtStop.StrtStop_Per1_SSSlew_UlspS_f32	target_StrtStop_Per1_SSSlew_UlspS_f32
target_Rte_Inst_Ap_GMStrtStop.StrtStop_Per1_SSState_State_enum	target_StrtStop_Per1_SSState_State_enum
target_Rte_Inst_Ap_GMStrtStop.StrtStop_Per1_VehicleSpeed_Kph_f32	target_StrtStop_Per1_VehicleSpeed_Kph_f32
target_StrtStop_Per1_APASState_State_enum.value	3
target_StrtStop_Per1_EngSpd_Rpm_f32.value	9644.53223
target_StrtStop_Per1_HandwheelVelocity_HwRadpS_f32.value	12.0577002
target_StrtStop_Per1_HwTorque_HwNm_f32.value	-5.69399977
target_StrtStop_Per1_SS12VFault_Cnt_lgc.value	0
target_StrtStop_Per1_VehicleSpeed_Kph_f32.value	124.238197

Name	Actual Value	Expected Value	Result
StrtStop_SSScale_Uls_M_f32	1	1	✓
StrtStop_SSSlewRatePrev_UlspS_M_f32	299.167389	299.167389 ± 0.1	✓
StrtStop_StOpModePrevPrev_Cnt_M_enum	3	3	✓
StrtStop_StOpModePrev_Cnt_M_enum	1	1	✓
StrtStop_StOpMode_Cnt_M_enum	1	1	✓
StrtStop_StopModeTimer1_mS_M_u32	3788120832	3788120832	✓
StrtStop_StopModeTimer2_mS_M_u32	1750710528	1750710528	✓
target_StrtStop_Per1_SSScale_Uls_f32.value	1	1 ± 0.0001	✓
target_StrtStop_Per1_SSSlew_UlspS_f32.value	299.167389	299.167389 ± 0.1	✓
target_StrtStop_Per1_SSState_State_enum.value	1	1	✓

## Test Step Call Trace

Actual Function	Count	Expected Function	Count	Result
DtrmnElapsedTime_mS_u32	1	DtrmnElapsedTime_mS_u32	1	✓
PreviousStCalc	1	PreviousStCalc	1	✓
SlewRateCalc	1	SlewRateCalc	1	✓

# TEST DETAILS REPORT

2016-07-18, 16:07:36+0530



StrtStop\_Per1

Test Step 2.50 (Repeat Count = 1)				
Name	Input Value			
DtrmnElapsedTime_mS_u32(ElapsedTime)	target_DtrmnElapsedTime_mS_u32_ElapsedTime			
GetSystemTime_mS_u32(CurrentTime)	target_GetSystemTime_mS_u32_CurrentTime			
Rte_Inst_Ap_GMStrtStop	target_Rte_Inst_Ap_GMStrtStop			
StrtStop_SSScale_Uls_M_f32	0.58920002			
StrtStop_SSSlewRatePrev_UlspS_M_f32	427.796295			
StrtStop_StOpModePrevPrev_Cnt_M_enum	0			
StrtStop_StOpModePrev_Cnt_M_enum	4			
StrtStop_StOpMode_Cnt_M_enum	1			
StrtStop_StopModeTimer1_mS_M_u32	1720474112			
StrtStop_StopModeTimer2_mS_M_u32	884316160			
k_AlgEnable_Cnt_lgc	1			
k_FltRspRampDnRt_UlspS_f32	398.398407			
k_Mode1AssistDD_Uls_f32	0.914399981			
k_Mode1AssistSlew_UlspS_f32	123.570297			
k_Mode1EngTransThresh_Rpm_f32	4540.35449			
k_Mode1VehSpdTransThresh_Kph_f32	67.8223038			
k_Mode2AssistDD_Uls_f32	0.157000005			
k_Mode2AssistSlew_UlspS_f32	455.527191			
k_Mode2VehSpdTransThresh_Kph_f32	83.0986023			
k_NormalModeAssistSlew_UlspS_f32	270.619507			
k_NormalModeEngTransThresh_Rpm_f32	15574.7441			
k_NormalModeVehSpdTransThresh_Kph_f32	142.539001			
k_StopMode1AssistSlew_UlspS_f32	324.302399			
k_StopMode1HwTrqTransThresh_HwNm_f32	8.40019989			
k_StopMode1HwVelTransThresh_HwDegpS_f32	189.988998			
k_StopMode1Timer_Sec_u16	0			
k_StopMode1VehSpdTransThres_Kph_f32	200			
k_StopMode2AssistSlew_UlspS_f32	473.456512			
k_StopMode2HwTrqTransThresh_HwNm_f32	5.81529999			
k_StopMode2HwVelTransThresh_HwDegpS_f32	171.247406			
k_StopMode2Timer_Sec_u16	4			
k_StopMode2VehSpdTransThresh_Kph_f32	50.5055008			
k_StopModeAssistDD_Uls_f32	0.492900014			
target_DtrmnElapsedTime_mS_u32_ElapsedTime	0			
target_GetSystemTime_mS_u32_CurrentTime	200			
target_Rte_Inst_Ap_GMStrtStop.StrtStop_Per1_APASState_State_enum	target_StrtStop_Per1_APASState_State_enum			
target_Rte_Inst_Ap_GMStrtStop.StrtStop_Per1_EngSpd_Rpm_f32	target_StrtStop_Per1_EngSpd_Rpm_f32			
target_Rte_Inst_Ap_GMStrtStop.StrtStop_Per1_HandwheelVelocity_HwRadpS_f32	target_StrtStop_Per1_HandwheelVelocity_HwRadpS_f32			
target_Rte_Inst_Ap_GMStrtStop.StrtStop_Per1_HwTorque_HwNm_f32	target_StrtStop_Per1_HwTorque_HwNm_f32			
target_Rte_Inst_Ap_GMStrtStop.StrtStop_Per1_SS12VFault_Cnt_lgc	target_StrtStop_Per1_SS12VFault_Cnt_lgc			
target_Rte_Inst_Ap_GMStrtStop.StrtStop_Per1_SSScale_Uls_f32	target_StrtStop_Per1_SSScale_Uls_f32			
target_Rte_Inst_Ap_GMStrtStop.StrtStop_Per1_SSSlew_UlspS_f32	target_StrtStop_Per1_SSSlew_UlspS_f32			
target_Rte_Inst_Ap_GMStrtStop.StrtStop_Per1_SSState_State_enum	target_StrtStop_Per1_SSState_State_enum			
target_Rte_Inst_Ap_GMStrtStop.StrtStop_Per1_VehicleSpeed_Kph_f32	target_StrtStop_Per1_VehicleSpeed_Kph_f32			
target_StrtStop_Per1_APASState_State_enum.value	0			
target_StrtStop_Per1_EngSpd_Rpm_f32.value	12368.9844			
target_StrtStop_Per1_HandwheelVelocity_HwRadpS_f32.value	82.75			
target_StrtStop_Per1_HwTorque_HwNm_f32.value	4.54290009			
target_StrtStop_Per1_SS12VFault_Cnt_lgc.value	0			
target_StrtStop_Per1_VehicleSpeed_Kph_f32.value	61.6324997			
Name	Actual Value	Expected Value	Result	
StrtStop_SSScale_Uls_M_f32	0.58920002	0.58920002	✓	
StrtStop_SSSlewRatePrev_UlspS_M_f32	398.398407	398.398407 ± 0.1	✓	
StrtStop_StOpModePrevPrev_Cnt_M_enum	4	4	✓	
StrtStop_StOpModePrev_Cnt_M_enum	1	1	✓	
StrtStop_StOpMode_Cnt_M_enum	1	1	✓	
StrtStop_StopModeTimer1_mS_M_u32	1720474112	1720474112	✓	
StrtStop_StopModeTimer2_mS_M_u32	884316160	884316160	✓	
target_StrtStop_Per1_SSScale_Uls_f32.value	0.58920002	0.58920002 ± 0.0001	✓	
target_StrtStop_Per1_SSSlew_UlspS_f32.value	398.398407	398.398407 ± 0.1	✓	
target_StrtStop_Per1_SSState_State_enum.value	1	1	✓	

Test Step Call Trace				
Actual Function	Count	Expected Function	Count	Result
DtrmnElapsedTime_mS_u32	1	DtrmnElapsedTime_mS_u32	1	✓
PreviousStCalc	1	PreviousStCalc	1	✓
SlewRateCalc	1	SlewRateCalc	1	✓

# TEST DETAILS REPORT

2016-07-18, 16:07:36+0530



StrtStop\_Per1

Test Step 2.51 (Repeat Count = 1)					✔
Name		Input Value			
DtrmnElapsedTime_mS_u32(ElapsedTime)		target_DtrmnElapsedTime_mS_u32_ElapsedTime			
GetSystemTime_mS_u32(CurrentTime)		target_GetSystemTime_mS_u32_CurrentTime			
Rte_Inst_Ap_GMStrtStop		target_Rte_Inst_Ap_GMStrtStop			
StrtStop_SSScale_Uls_M_f32		0.842299998			
StrtStop_SSSlewRatePrev_UlspS_M_f32		128.289703			
StrtStop_StOpModePrevPrev_Cnt_M_enum		1			
StrtStop_StOpModePrev_Cnt_M_enum		2			
StrtStop_StOpMode_Cnt_M_enum		1			
StrtStop_StopModeTimer1_mS_M_u32		3387012352			
StrtStop_StopModeTimer2_mS_M_u32		2581461760			
k_AlgEnable_Cnt_lgc		1			
k_FltRspRampDnRt_UlspS_f32		368.490204			
k_Mode1AssistDD_Uls_f32		1			
k_Mode1AssistSlew_UlspS_f32		389.46759			
k_Mode1EngTransThresh_Rpm_f32		1321.31152			
k_Mode1VehSpdTransThresh_Kph_f32		55.9743004			
k_Mode2AssistDD_Uls_f32		0.776300013			
k_Mode2AssistSlew_UlspS_f32		100.555603			
k_Mode2VehSpdTransThresh_Kph_f32		124.606598			
k_NormalModeAssistSlew_UlspS_f32		72.811203			
k_NormalModeEngTransThresh_Rpm_f32		15494.3057			
k_NormalModeVehSpdTransThresh_Kph_f32		10.0300999			
k_StopMode1AssistSlew_UlspS_f32		225.253098			
k_StopMode1HwTrqTransThresh_HwNm_f32		2.98799992			
k_StopMode1HwVelTransThresh_HwDegpS_f32		240.692093			
k_StopMode1Timer_Sec_u16		0			
k_StopMode1VehSpdTransThres_Kph_f32		5			
k_StopMode2AssistSlew_UlspS_f32		392.542908			
k_StopMode2HwTrqTransThresh_HwNm_f32		4.19150019			
k_StopMode2HwVelTransThresh_HwDegpS_f32		164.339203			
k_StopMode2Timer_Sec_u16		1			
k_StopMode2VehSpdTransThresh_Kph_f32		40.7448006			
k_StopModeAssistDD_Uls_f32		1			
target_DtrmnElapsedTime_mS_u32_ElapsedTime		0			
target_GetSystemTime_mS_u32_CurrentTime		300			
target_Rte_Inst_Ap_GMStrtStop.StrtStop_Per1_APASState_State_enum		target_StrtStop_Per1_APASState_State_enum			
target_Rte_Inst_Ap_GMStrtStop.StrtStop_Per1_EngSpd_Rpm_f32		target_StrtStop_Per1_EngSpd_Rpm_f32			
target_Rte_Inst_Ap_GMStrtStop.StrtStop_Per1_HandwheelVelocity_HwRadpS_f32		target_StrtStop_Per1_HandwheelVelocity_HwRadpS_f32			
target_Rte_Inst_Ap_GMStrtStop.StrtStop_Per1_HwTorque_HwNm_f32		target_StrtStop_Per1_HwTorque_HwNm_f32			
target_Rte_Inst_Ap_GMStrtStop.StrtStop_Per1_SS12VFault_Cnt_lgc		target_StrtStop_Per1_SS12VFault_Cnt_lgc			
target_Rte_Inst_Ap_GMStrtStop.StrtStop_Per1_SSScale_Uls_f32		target_StrtStop_Per1_SSScale_Uls_f32			
target_Rte_Inst_Ap_GMStrtStop.StrtStop_Per1_SSSlew_UlspS_f32		target_StrtStop_Per1_SSSlew_UlspS_f32			
target_Rte_Inst_Ap_GMStrtStop.StrtStop_Per1_SSSState_State_enum		target_StrtStop_Per1_SSSState_State_enum			
target_Rte_Inst_Ap_GMStrtStop.StrtStop_Per1_VehicleSpeed_Kph_f32		target_StrtStop_Per1_VehicleSpeed_Kph_f32			
target_StrtStop_Per1_APASState_State_enum.value		0			
target_StrtStop_Per1_EngSpd_Rpm_f32.value		15203.1328			
target_StrtStop_Per1_HandwheelVelocity_HwRadpS_f32.value		32.1085014			
target_StrtStop_Per1_HwTorque_HwNm_f32.value		0.593599975			
target_StrtStop_Per1_SS12VFault_Cnt_lgc.value		0			
target_StrtStop_Per1_VehicleSpeed_Kph_f32.value		171.314194			
Name	Actual Value	Expected Value	Result		
StrtStop_SSScale_Uls_M_f32	0.842299998	0.842299998	✔		
StrtStop_SSSlewRatePrev_UlspS_M_f32	368.490204	368.490204 ± 0.1	✔		
StrtStop_StOpModePrevPrev_Cnt_M_enum	2	2	✔		
StrtStop_StOpModePrev_Cnt_M_enum	1	1	✔		
StrtStop_StOpMode_Cnt_M_enum	1	1	✔		
StrtStop_StopModeTimer1_mS_M_u32	3387012352	3387012352	✔		
StrtStop_StopModeTimer2_mS_M_u32	2581461760	2581461760	✔		
target_StrtStop_Per1_SSScale_Uls_f32.value	0.842299998	0.842299998 ± 0.0001	✔		
target_StrtStop_Per1_SSSlew_UlspS_f32.value	368.490204	368.490204 ± 0.1	✔		
target_StrtStop_Per1_SSSState_State_enum.value	1	1	✔		
Test Step Call Trace					✔
Actual Function	Count	Expected Function	Count	Result	
DtrmnElapsedTime_mS_u32	1	DtrmnElapsedTime_mS_u32	1	✔	
PreviousStCalc	1	PreviousStCalc	1	✔	
SlewRateCalc	1	SlewRateCalc	1	✔	



# TEST DETAILS REPORT

2016-07-18, 16:07:36+0530



StrtStop\_Per1

## Test Step 2.52 (Repeat Count = 1)

Name	Input Value
DtrmnElapsedTime_mS_u32(ElapsedTime)	target_DtrmnElapsedTime_mS_u32_ElapsedTime
GetSystemTime_mS_u32(CurrentTime)	target_GetSystemTime_mS_u32_CurrentTime
Rte_Inst_Ap_GMStrtStop	target_Rte_Inst_Ap_GMStrtStop
StrtStop_SSScale_Uls_M_f32	1
StrtStop_SSSlewRatePrev_UlspS_M_f32	174.050507
StrtStop_StOpModePrevPrev_Cnt_M_enum	2
StrtStop_StOpModePrev_Cnt_M_enum	2
StrtStop_StOpMode_Cnt_M_enum	1
StrtStop_StopModeTimer1_mS_M_u32	990749696
StrtStop_StopModeTimer2_mS_M_u32	4222669312
k_AlgEnable_Cnt_lgc	1
k_FltRspRampDnRt_UlspS_f32	374.904602
k_Mode1AssistDD_Uls_f32	1
k_Mode1AssistSlew_UlspS_f32	405.829895
k_Mode1EngTransThresh_Rpm_f32	5565.19238
k_Mode1VehSpdTransThresh_Kph_f32	97.4439011
k_Mode2AssistDD_Uls_f32	0.328200012
k_Mode2AssistSlew_UlspS_f32	278.714691
k_Mode2VehSpdTransThresh_Kph_f32	176.288895
k_NormalModeAssistSlew_UlspS_f32	230.975403
k_NormalModeEngTransThresh_Rpm_f32	11690.4355
k_NormalModeVehSpdTransThresh_Kph_f32	77.533699
k_StopMode1AssistSlew_UlspS_f32	273.265686
k_StopMode1HwTrqTransThresh_HwNm_f32	0.712599993
k_StopMode1HwVelTransThresh_HwDegpS_f32	0
k_StopMode1Timer_Sec_u16	2
k_StopMode1VehSpdTransThresh_Kph_f32	170.964203
k_StopMode2AssistSlew_UlspS_f32	306.415314
k_StopMode2HwTrqTransThresh_HwNm_f32	7.13119984
k_StopMode2HwVelTransThresh_HwDegpS_f32	187.928406
k_StopMode2Timer_Sec_u16	0
k_StopMode2VehSpdTransThresh_Kph_f32	93.4222031
k_StopModeAssistDD_Uls_f32	0.0165999997
target_DtrmnElapsedTime_mS_u32_ElapsedTime	1
target_GetSystemTime_mS_u32_CurrentTime	66250
target_Rte_Inst_Ap_GMStrtStop.StrtStop_Per1_APASState_State_enum	target_StrtStop_Per1_APASState_State_enum
target_Rte_Inst_Ap_GMStrtStop.StrtStop_Per1_EngSpd_Rpm_f32	target_StrtStop_Per1_EngSpd_Rpm_f32
target_Rte_Inst_Ap_GMStrtStop.StrtStop_Per1_HandwheelVelocity_HwRadpS_f32	target_StrtStop_Per1_HandwheelVelocity_HwRadpS_f32
target_Rte_Inst_Ap_GMStrtStop.StrtStop_Per1_HwTorque_HwNm_f32	target_StrtStop_Per1_HwTorque_HwNm_f32
target_Rte_Inst_Ap_GMStrtStop.StrtStop_Per1_SS12VFault_Cnt_lgc	target_StrtStop_Per1_SS12VFault_Cnt_lgc
target_Rte_Inst_Ap_GMStrtStop.StrtStop_Per1_SSScale_Uls_f32	target_StrtStop_Per1_SSScale_Uls_f32
target_Rte_Inst_Ap_GMStrtStop.StrtStop_Per1_SSSlew_UlspS_f32	target_StrtStop_Per1_SSSlew_UlspS_f32
target_Rte_Inst_Ap_GMStrtStop.StrtStop_Per1_SSState_State_enum	target_StrtStop_Per1_SSState_State_enum
target_Rte_Inst_Ap_GMStrtStop.StrtStop_Per1_VehicleSpeed_Kph_f32	target_StrtStop_Per1_VehicleSpeed_Kph_f32
target_StrtStop_Per1_APASState_State_enum.value	0
target_StrtStop_Per1_EngSpd_Rpm_f32.value	5423.62891
target_StrtStop_Per1_HandwheelVelocity_HwRadpS_f32.value	-11.3360004
target_StrtStop_Per1_HwTorque_HwNm_f32.value	-6.1553998
target_StrtStop_Per1_SS12VFault_Cnt_lgc.value	0
target_StrtStop_Per1_VehicleSpeed_Kph_f32.value	0.5

Name	Actual Value	Expected Value	Result
StrtStop_SSScale_Uls_M_f32	1	1	✓
StrtStop_SSSlewRatePrev_UlspS_M_f32	374.904602	374.904602 ± 0.1	✓
StrtStop_StOpModePrevPrev_Cnt_M_enum	2	2	✓
StrtStop_StOpModePrev_Cnt_M_enum	1	1	✓
StrtStop_StOpMode_Cnt_M_enum	1	1	✓
StrtStop_StopModeTimer1_mS_M_u32	990749696	990749696	✓
StrtStop_StopModeTimer2_mS_M_u32	4222669312	4222669312	✓
target_StrtStop_Per1_SSScale_Uls_f32.value	1	1 ± 0.0001	✓
target_StrtStop_Per1_SSSlew_UlspS_f32.value	374.904602	374.904602 ± 0.1	✓
target_StrtStop_Per1_SSState_State_enum.value	1	1	✓

## Test Step Call Trace

Actual Function	Count	Expected Function	Count	Result
DtrmnElapsedTime_mS_u32	1	DtrmnElapsedTime_mS_u32	1	✓
PreviousStCalc	1	PreviousStCalc	1	✓
SlewRateCalc	1	SlewRateCalc	1	✓



# TEST DETAILS REPORT

2016-07-18, 16:07:36+0530



StrtStop\_Per1

## Test Step 2.53 (Repeat Count = 1)

Name	Input Value
DtrmnElapsedTime_mS_u32(ElapsedTime)	target_DtrmnElapsedTime_mS_u32_ElapsedTime
GetSystemTime_mS_u32(CurrentTime)	target_GetSystemTime_mS_u32_CurrentTime
Rte_Inst_Ap_GMStrtStop	target_Rte_Inst_Ap_GMStrtStop
StrtStop_SSScale_Uls_M_f32	0.00779999979
StrtStop_SSSlewRatePrev_UlspS_M_f32	434.91391
StrtStop_StOpModePrevPrev_Cnt_M_enum	5
StrtStop_StOpModePrev_Cnt_M_enum	1
StrtStop_StOpMode_Cnt_M_enum	1
StrtStop_StopModeTimer1_mS_M_u32	3322271488
StrtStop_StopModeTimer2_mS_M_u32	1381256448
k_AlgEnable_Cnt_lgc	1
k_FltRspRampDnRt_UlspS_f32	449.060303
k_Mode1AssistDD_Uls_f32	0.930499971
k_Mode1AssistSlew_UlspS_f32	12.0993004
k_Mode1EngTransThresh_Rpm_f32	3953.05884
k_Mode1VehSpdTransThresh_Kph_f32	193.946198
k_Mode2AssistDD_Uls_f32	1
k_Mode2AssistSlew_UlspS_f32	494.82309
k_Mode2VehSpdTransThresh_Kph_f32	32.8107986
k_NormalModeAssistSlew_UlspS_f32	154.384003
k_NormalModeEngTransThresh_Rpm_f32	5540.24268
k_NormalModeVehSpdTransThresh_Kph_f32	199.279999
k_StopMode1AssistSlew_UlspS_f32	219.202606
k_StopMode1HwTrqTransThresh_HwNm_f32	4.63780022
k_StopMode1HwVelTransThresh_HwDegpS_f32	250
k_StopMode1Timer_Sec_u16	1
k_StopMode1VehSpdTransThres_Kph_f32	75.1856003
k_StopMode2AssistSlew_UlspS_f32	393.072205
k_StopMode2HwTrqTransThresh_HwNm_f32	6.16919994
k_StopMode2HwVelTransThresh_HwDegpS_f32	30.1289997
k_StopMode2Timer_Sec_u16	4
k_StopMode2VehSpdTransThresh_Kph_f32	103.8918
k_StopModeAssistDD_Uls_f32	1
target_DtrmnElapsedTime_mS_u32_ElapsedTime	2
target_GetSystemTime_mS_u32_CurrentTime	67600
target_Rte_Inst_Ap_GMStrtStop.StrtStop_Per1_APASState_State_enum	target_StrtStop_Per1_APASState_State_enum
target_Rte_Inst_Ap_GMStrtStop.StrtStop_Per1_EngSpd_Rpm_f32	target_StrtStop_Per1_EngSpd_Rpm_f32
target_Rte_Inst_Ap_GMStrtStop.StrtStop_Per1_HandwheelVelocity_HwRadpS_f32	target_StrtStop_Per1_HandwheelVelocity_HwRadpS_f32
target_Rte_Inst_Ap_GMStrtStop.StrtStop_Per1_HwTorque_HwNm_f32	target_StrtStop_Per1_HwTorque_HwNm_f32
target_Rte_Inst_Ap_GMStrtStop.StrtStop_Per1_SS12VFault_Cnt_lgc	target_StrtStop_Per1_SS12VFault_Cnt_lgc
target_Rte_Inst_Ap_GMStrtStop.StrtStop_Per1_SSScale_Uls_f32	target_StrtStop_Per1_SSScale_Uls_f32
target_Rte_Inst_Ap_GMStrtStop.StrtStop_Per1_SSSlew_UlspS_f32	target_StrtStop_Per1_SSSlew_UlspS_f32
target_Rte_Inst_Ap_GMStrtStop.StrtStop_Per1_SSState_State_enum	target_StrtStop_Per1_SSState_State_enum
target_Rte_Inst_Ap_GMStrtStop.StrtStop_Per1_VehicleSpeed_Kph_f32	target_StrtStop_Per1_VehicleSpeed_Kph_f32
target_StrtStop_Per1_APASState_State_enum.value	0
target_StrtStop_Per1_EngSpd_Rpm_f32.value	10
target_StrtStop_Per1_HandwheelVelocity_HwRadpS_f32.value	39.2919006
target_StrtStop_Per1_HwTorque_HwNm_f32.value	10
target_StrtStop_Per1_SS12VFault_Cnt_lgc.value	0
target_StrtStop_Per1_VehicleSpeed_Kph_f32.value	1.5

Name	Actual Value	Expected Value	Result
StrtStop_SSScale_Uls_M_f32	0.00779999979	0.00779999979	✓
StrtStop_SSSlewRatePrev_UlspS_M_f32	1	1 ± 0.1	✓
StrtStop_StOpModePrevPrev_Cnt_M_enum	5	5	✓
StrtStop_StOpModePrev_Cnt_M_enum	1	1	✓
StrtStop_StOpMode_Cnt_M_enum	1	1	✓
StrtStop_StopModeTimer1_mS_M_u32	3322271488	3322271488	✓
StrtStop_StopModeTimer2_mS_M_u32	1381256448	1381256448	✓
target_StrtStop_Per1_SSScale_Uls_f32.value	0.00779999979	0.00779999979 ± 0.0001	✓
target_StrtStop_Per1_SSSlew_UlspS_f32.value	1	1 ± 0.1	✓
target_StrtStop_Per1_SSState_State_enum.value	1	1	✓

## Test Step Call Trace

Actual Function	Count	Expected Function	Count	Result
DtrmnElapsedTime_mS_u32	1	DtrmnElapsedTime_mS_u32	1	✓
PreviousStCalc	1	PreviousStCalc	1	✓
SlewRateCalc	1	SlewRateCalc	1	✓

# TEST DETAILS REPORT

2016-07-18, 16:07:36+0530



StrtStop\_Per1

Test Step 2.54 (Repeat Count = 1) ✓				
Name	Input Value			
DtrmnElapsedTime_mS_u32(ElapsedTime)	target_DtrmnElapsedTime_mS_u32_ElapsedTime			
GetSystemTime_mS_u32(CurrentTime)	target_GetSystemTime_mS_u32_CurrentTime			
Rte_Inst_Ap_GMStrtStop	target_Rte_Inst_Ap_GMStrtStop			
StrtStop_SSScale_Uls_M_f32	1			
StrtStop_SSSlewRatePrev_UlspS_M_f32	430.180206			
StrtStop_StOpModePrevPrev_Cnt_M_enum	5			
StrtStop_StOpModePrev_Cnt_M_enum	5			
StrtStop_StOpMode_Cnt_M_enum	1			
StrtStop_StopModeTimer1_mS_M_u32	2041134592			
StrtStop_StopModeTimer2_mS_M_u32	1242946560			
k_AlgEnable_Cnt_lgc	1			
k_FltRspRampDnRt_UlspS_f32	415.990112			
k_Mode1AssistDD_Uls_f32	0.377999991			
k_Mode1AssistSlew_UlspS_f32	442.76651			
k_Mode1EngTransThresh_Rpm_f32	7176.38525			
k_Mode1VehSpdTransThresh_Kph_f32	133.6436			
k_Mode2AssistDD_Uls_f32	1			
k_Mode2AssistSlew_UlspS_f32	318.384796			
k_Mode2VehSpdTransThresh_Kph_f32	13.9761			
k_NormalModeAssistSlew_UlspS_f32	411.398407			
k_NormalModeEngTransThresh_Rpm_f32	1920.81055			
k_NormalModeVehSpdTransThresh_Kph_f32	54.7070007			
k_StopMode1AssistSlew_UlspS_f32	80.1610031			
k_StopMode1HwTrqTransThresh_HwNm_f32	0.877799988			
k_StopMode1HwVelTransThresh_HwDegpS_f32	10			
k_StopMode1Timer_Sec_u16	0			
k_StopMode1VehSpdTransThres_Kph_f32	109.1492			
k_StopMode2AssistSlew_UlspS_f32	116.072601			
k_StopMode2HwTrqTransThresh_HwNm_f32	1.29610002			
k_StopMode2HwVelTransThresh_HwDegpS_f32	246.935501			
k_StopMode2Timer_Sec_u16	2			
k_StopMode2VehSpdTransThresh_Kph_f32	56.9149017			
k_StopModeAssistDD_Uls_f32	0.913900018			
target_DtrmnElapsedTime_mS_u32_ElapsedTime	3			
target_GetSystemTime_mS_u32_CurrentTime	68950			
target_Rte_Inst_Ap_GMStrtStop.StrtStop_Per1_APASState_State_enum	target_StrtStop_Per1_APASState_State_enum			
target_Rte_Inst_Ap_GMStrtStop.StrtStop_Per1_EngSpd_Rpm_f32	target_StrtStop_Per1_EngSpd_Rpm_f32			
target_Rte_Inst_Ap_GMStrtStop.StrtStop_Per1_HandwheelVelocity_HwRadpS_f32	target_StrtStop_Per1_HandwheelVelocity_HwRadpS_f32			
target_Rte_Inst_Ap_GMStrtStop.StrtStop_Per1_HwTorque_HwNm_f32	target_StrtStop_Per1_HwTorque_HwNm_f32			
target_Rte_Inst_Ap_GMStrtStop.StrtStop_Per1_SS12VFault_Cnt_lgc	target_StrtStop_Per1_SS12VFault_Cnt_lgc			
target_Rte_Inst_Ap_GMStrtStop.StrtStop_Per1_SSScale_Uls_f32	target_StrtStop_Per1_SSScale_Uls_f32			
target_Rte_Inst_Ap_GMStrtStop.StrtStop_Per1_SSSlew_UlspS_f32	target_StrtStop_Per1_SSSlew_UlspS_f32			
target_Rte_Inst_Ap_GMStrtStop.StrtStop_Per1_SSState_State_enum	target_StrtStop_Per1_SSState_State_enum			
target_Rte_Inst_Ap_GMStrtStop.StrtStop_Per1_VehicleSpeed_Kph_f32	target_StrtStop_Per1_VehicleSpeed_Kph_f32			
target_StrtStop_Per1_APASState_State_enum.value	0			
target_StrtStop_Per1_EngSpd_Rpm_f32.value	1322.10742			
target_StrtStop_Per1_HandwheelVelocity_HwRadpS_f32.value	-87.0373001			
target_StrtStop_Per1_HwTorque_HwNm_f32.value	-0.1008			
target_StrtStop_Per1_SS12VFault_Cnt_lgc.value	0			
target_StrtStop_Per1_VehicleSpeed_Kph_f32.value	3.20000005			
Name	Actual Value	Expected Value	Result	
StrtStop_SSScale_Uls_M_f32	1	1	✓	
StrtStop_SSSlewRatePrev_UlspS_M_f32	1	1 ± 0.1	✓	
StrtStop_StOpModePrevPrev_Cnt_M_enum	5	5	✓	
StrtStop_StOpModePrev_Cnt_M_enum	1	1	✓	
StrtStop_StOpMode_Cnt_M_enum	1	1	✓	
StrtStop_StopModeTimer1_mS_M_u32	2041134592	2041134592	✓	
StrtStop_StopModeTimer2_mS_M_u32	1242946560	1242946560	✓	
target_StrtStop_Per1_SSScale_Uls_f32.value	1	1 ± 0.0001	✓	
target_StrtStop_Per1_SSSlew_UlspS_f32.value	1	1 ± 0.1	✓	
target_StrtStop_Per1_SSState_State_enum.value	1	1	✓	

Test Step Call Trace ✓				
Actual Function	Count	Expected Function	Count	Result
DtrmnElapsedTime_mS_u32	1	DtrmnElapsedTime_mS_u32	1	✓
PreviousStCalc	1	PreviousStCalc	1	✓
SlewRateCalc	1	SlewRateCalc	1	✓

# TEST DETAILS REPORT

2016-07-18, 16:07:36+0530



StrtStop\_Per1

Test Step 2.55 (Repeat Count = 1) ✓				
Name	Input Value			
DtrmnElapsedTime_mS_u32(ElapsedTime)	target_DtrmnElapsedTime_mS_u32_ElapsedTime			
GetSystemTime_mS_u32(CurrentTime)	target_GetSystemTime_mS_u32_CurrentTime			
Rte_Inst_Ap_GMStrtStop	target_Rte_Inst_Ap_GMStrtStop			
StrtStop_SSScale_Uls_M_f32	1			
StrtStop_SSSlewRatePrev_UlspS_M_f32	208.3311			
StrtStop_StOpModePrevPrev_Cnt_M_enum	2			
StrtStop_StOpModePrev_Cnt_M_enum	0			
StrtStop_StOpMode_Cnt_M_enum	1			
StrtStop_StopModeTimer1_mS_M_u32	2434468096			
StrtStop_StopModeTimer2_mS_M_u32	533540608			
k_AlgEnable_Cnt_lgc	1			
k_FltRspRampDnRt_UlspS_f32	40.9292984			
k_Mode1AssistDD_Uls_f32	1			
k_Mode1AssistSlew_UlspS_f32	244.007095			
k_Mode1EngTransThresh_Rpm_f32	5417.76855			
k_Mode1VehSpdTransThresh_Kph_f32	167.1259			
k_Mode2AssistDD_Uls_f32	1			
k_Mode2AssistSlew_UlspS_f32	277.308289			
k_Mode2VehSpdTransThresh_Kph_f32	48.9742012			
k_NormalModeAssistSlew_UlspS_f32	403.903503			
k_NormalModeEngTransThresh_Rpm_f32	8329.90332			
k_NormalModeVehSpdTransThresh_Kph_f32	65.1162033			
k_StopMode1AssistSlew_UlspS_f32	493.097504			
k_StopMode1HwTrqTransThresh_HwNm_f32	0			
k_StopMode1HwVelTransThresh_HwDegpS_f32	200.300003			
k_StopMode1Timer_Sec_u16	3			
k_StopMode1VehSpdTransThres_Kph_f32	1.06289995			
k_StopMode2AssistSlew_UlspS_f32	90.2769012			
k_StopMode2HwTrqTransThresh_HwNm_f32	2.75559998			
k_StopMode2HwVelTransThresh_HwDegpS_f32	162.353699			
k_StopMode2Timer_Sec_u16	0			
k_StopMode2VehSpdTransThresh_Kph_f32	181.737701			
k_StopModeAssistDD_Uls_f32	0.419			
target_DtrmnElapsedTime_mS_u32_ElapsedTime	270150			
target_GetSystemTime_mS_u32_CurrentTime	70300			
target_Rte_Inst_Ap_GMStrtStop.StrtStop_Per1_APASState_State_enum	target_StrtStop_Per1_APASState_State_enum			
target_Rte_Inst_Ap_GMStrtStop.StrtStop_Per1_EngSpd_Rpm_f32	target_StrtStop_Per1_EngSpd_Rpm_f32			
target_Rte_Inst_Ap_GMStrtStop.StrtStop_Per1_HandwheelVelocity_HwRadpS_f32	target_StrtStop_Per1_HandwheelVelocity_HwRadpS_f32			
target_Rte_Inst_Ap_GMStrtStop.StrtStop_Per1_HwTorque_HwNm_f32	target_StrtStop_Per1_HwTorque_HwNm_f32			
target_Rte_Inst_Ap_GMStrtStop.StrtStop_Per1_SS12VFault_Cnt_lgc	target_StrtStop_Per1_SS12VFault_Cnt_lgc			
target_Rte_Inst_Ap_GMStrtStop.StrtStop_Per1_SSScale_Uls_f32	target_StrtStop_Per1_SSScale_Uls_f32			
target_Rte_Inst_Ap_GMStrtStop.StrtStop_Per1_SSSlew_UlspS_f32	target_StrtStop_Per1_SSSlew_UlspS_f32			
target_Rte_Inst_Ap_GMStrtStop.StrtStop_Per1_SSState_State_enum	target_StrtStop_Per1_SSState_State_enum			
target_Rte_Inst_Ap_GMStrtStop.StrtStop_Per1_VehicleSpeed_Kph_f32	target_StrtStop_Per1_VehicleSpeed_Kph_f32			
target_StrtStop_Per1_APASState_State_enum.value	4			
target_StrtStop_Per1_EngSpd_Rpm_f32.value	10.25			
target_StrtStop_Per1_HandwheelVelocity_HwRadpS_f32.value	0			
target_StrtStop_Per1_HwTorque_HwNm_f32.value	-9.91559982			
target_StrtStop_Per1_SS12VFault_Cnt_lgc.value	0			
target_StrtStop_Per1_VehicleSpeed_Kph_f32.value	0.25			
Name	Actual Value	Expected Value	Result	
StrtStop_SSScale_Uls_M_f32	1	1	✓	
StrtStop_SSSlewRatePrev_UlspS_M_f32	244.007095	244.007095 ± 0.1	✓	
StrtStop_StOpModePrevPrev_Cnt_M_enum	0	0	✓	
StrtStop_StOpModePrev_Cnt_M_enum	1	1	✓	
StrtStop_StOpMode_Cnt_M_enum	1	1	✓	
StrtStop_StopModeTimer1_mS_M_u32	2434468096	2434468096	✓	
StrtStop_StopModeTimer2_mS_M_u32	533540608	533540608	✓	
target_StrtStop_Per1_SSScale_Uls_f32.value	1	1 ± 0.0001	✓	
target_StrtStop_Per1_SSSlew_UlspS_f32.value	244.007095	244.007095 ± 0.1	✓	
target_StrtStop_Per1_SSState_State_enum.value	1	1	✓	

Test Step Call Trace ✓				
Actual Function	Count	Expected Function	Count	Result
DtrmnElapsedTime_mS_u32	1	DtrmnElapsedTime_mS_u32	1	✓
PreviousStCalc	1	PreviousStCalc	1	✓
SlewRateCalc	1	SlewRateCalc	1	✓

# TEST DETAILS REPORT

2016-07-18, 16:07:36+0530



StrtStop\_Per1

Test Step 2.56 (Repeat Count = 1) ✓				
Name	Input Value			
DtrmnElapsedTime_mS_u32(ElapsedTime)	target_DtrmnElapsedTime_mS_u32_ElapsedTime			
GetSystemTime_mS_u32(CurrentTime)	target_GetSystemTime_mS_u32_CurrentTime			
Rte_Inst_Ap_GMStrtStop	target_Rte_Inst_Ap_GMStrtStop			
StrtStop_SSScale_Uls_M_f32	0.186800003			
StrtStop_SSSlewRatePrev_UlspS_M_f32	298.473114			
StrtStop_StOpModePrevPrev_Cnt_M_enum	5			
StrtStop_StOpModePrev_Cnt_M_enum	2			
StrtStop_StOpMode_Cnt_M_enum	1			
StrtStop_StopModeTimer1_mS_M_u32	598845440			
StrtStop_StopModeTimer2_mS_M_u32	1471362560			
k_AlgEnable_Cnt_lgc	1			
k_FltRspRampDnRt_UlspS_f32	303.569489			
k_Mode1AssistDD_Uls_f32	0.472499996			
k_Mode1AssistSlew_UlspS_f32	33.7519989			
k_Mode1EngTransThresh_Rpm_f32	10512.6104			
k_Mode1VehSpdTransThresh_Kph_f32	94.392601			
k_Mode2AssistDD_Uls_f32	1			
k_Mode2AssistSlew_UlspS_f32	76.805397			
k_Mode2VehSpdTransThresh_Kph_f32	96.4353027			
k_NormalModeAssistSlew_UlspS_f32	108.036797			
k_NormalModeEngTransThresh_Rpm_f32	1426.18835			
k_NormalModeVehSpdTransThresh_Kph_f32	185.755005			
k_StopMode1AssistSlew_UlspS_f32	487.796997			
k_StopMode1HwTrqTransThresh_HwNm_f32	10			
k_StopMode1HwVelTransThresh_HwDegpS_f32	225.630005			
k_StopMode1Timer_Sec_u16	2			
k_StopMode1VehSpdTransThres_Kph_f32	29.8455009			
k_StopMode2AssistSlew_UlspS_f32	452.691498			
k_StopMode2HwTrqTransThresh_HwNm_f32	4.16900015			
k_StopMode2HwVelTransThresh_HwDegpS_f32	83.3983994			
k_StopMode2Timer_Sec_u16	4			
k_StopMode2VehSpdTransThresh_Kph_f32	44.0306015			
k_StopModeAssistDD_Uls_f32	0.646099985			
target_DtrmnElapsedTime_mS_u32_ElapsedTime	275300			
target_GetSystemTime_mS_u32_CurrentTime	71650			
target_Rte_Inst_Ap_GMStrtStop.StrtStop_Per1_APASState_State_enum	target_StrtStop_Per1_APASState_State_enum			
target_Rte_Inst_Ap_GMStrtStop.StrtStop_Per1_EngSpd_Rpm_f32	target_StrtStop_Per1_EngSpd_Rpm_f32			
target_Rte_Inst_Ap_GMStrtStop.StrtStop_Per1_HandwheelVelocity_HwRadpS_f32	target_StrtStop_Per1_HandwheelVelocity_HwRadpS_f32			
target_Rte_Inst_Ap_GMStrtStop.StrtStop_Per1_HwTorque_HwNm_f32	target_StrtStop_Per1_HwTorque_HwNm_f32			
target_Rte_Inst_Ap_GMStrtStop.StrtStop_Per1_SS12VFault_Cnt_lgc	target_StrtStop_Per1_SS12VFault_Cnt_lgc			
target_Rte_Inst_Ap_GMStrtStop.StrtStop_Per1_SSScale_Uls_f32	target_StrtStop_Per1_SSScale_Uls_f32			
target_Rte_Inst_Ap_GMStrtStop.StrtStop_Per1_SSSlew_UlspS_f32	target_StrtStop_Per1_SSSlew_UlspS_f32			
target_Rte_Inst_Ap_GMStrtStop.StrtStop_Per1_SSState_State_enum	target_StrtStop_Per1_SSState_State_enum			
target_Rte_Inst_Ap_GMStrtStop.StrtStop_Per1_VehicleSpeed_Kph_f32	target_StrtStop_Per1_VehicleSpeed_Kph_f32			
target_StrtStop_Per1_APASState_State_enum.value	0			
target_StrtStop_Per1_EngSpd_Rpm_f32.value	15.3599997			
target_StrtStop_Per1_HandwheelVelocity_HwRadpS_f32.value	0			
target_StrtStop_Per1_HwTorque_HwNm_f32.value	-1.05719995			
target_StrtStop_Per1_SS12VFault_Cnt_lgc.value	0			
target_StrtStop_Per1_VehicleSpeed_Kph_f32.value	5.36000013			
Name	Actual Value	Expected Value	Result	
StrtStop_SSScale_Uls_M_f32	0.646099985	0.646099985	✓	
StrtStop_SSSlewRatePrev_UlspS_M_f32	1	1 ± 0.1	✓	
StrtStop_StOpModePrevPrev_Cnt_M_enum	5	5	✓	
StrtStop_StOpModePrev_Cnt_M_enum	2	2	✓	
StrtStop_StOpMode_Cnt_M_enum	2	2	✓	
StrtStop_StopModeTimer1_mS_M_u32	598845440	598845440	✓	
StrtStop_StopModeTimer2_mS_M_u32	1471362560	1471362560	✓	
target_StrtStop_Per1_SSScale_Uls_f32.value	0.646099985	0.646099985 ± 0.0001	✓	
target_StrtStop_Per1_SSSlew_UlspS_f32.value	1	1 ± 0.1	✓	
target_StrtStop_Per1_SSState_State_enum.value	2	2	✓	

Test Step Call Trace ✓				
Actual Function	Count	Expected Function	Count	Result
DtrmnElapsedTime_mS_u32	1	DtrmnElapsedTime_mS_u32	1	✓
PreviousStCalc	1	PreviousStCalc	1	✓
SlewRateCalc	1	SlewRateCalc	1	✓

# TEST DETAILS REPORT

2016-07-18, 16:07:36+0530



StrtStop\_Per1

## Test Step 2.57 (Repeat Count = 1)

Name	Input Value
DtrmnElapsedTime_mS_u32(ElapsedTime)	target_DtrmnElapsedTime_mS_u32_ElapsedTime
GetSystemTime_mS_u32(CurrentTime)	target_GetSystemTime_mS_u32_CurrentTime
Rte_Inst_Ap_GMStrtStop	target_Rte_Inst_Ap_GMStrtStop
StrtStop_SSScale_Uls_M_f32	1
StrtStop_SSSlewRatePrev_UlspS_M_f32	95.0313034
StrtStop_StOpModePrevPrev_Cnt_M_enum	3
StrtStop_StOpModePrev_Cnt_M_enum	3
StrtStop_StOpMode_Cnt_M_enum	1
StrtStop_StopModeTimer1_mS_M_u32	2435435264
StrtStop_StopModeTimer2_mS_M_u32	3034390784
k_AlgEnable_Cnt_lgc	1
k_FltRspRampDnRt_UlspS_f32	444.044098
k_Mode1AssistDD_Uls_f32	1
k_Mode1AssistSlew_UlspS_f32	172.636093
k_Mode1EngTransThresh_Rpm_f32	7035.62598
k_Mode1VehSpdTransThresh_Kph_f32	66.1391983
k_Mode2AssistDD_Uls_f32	0.1373
k_Mode2AssistSlew_UlspS_f32	240.729797
k_Mode2VehSpdTransThresh_Kph_f32	36.8736992
k_NormalModeAssistSlew_UlspS_f32	41.0102005
k_NormalModeEngTransThresh_Rpm_f32	4623.53271
k_NormalModeVehSpdTransThresh_Kph_f32	109.427002
k_StopMode1AssistSlew_UlspS_f32	152.940201
k_StopMode1HwTrqTransThresh_HwNm_f32	1
k_StopMode1HwVelTransThresh_HwDegpS_f32	248
k_StopMode1Timer_Sec_u16	3
k_StopMode1VehSpdTransThres_Kph_f32	164.114304
k_StopMode2AssistSlew_UlspS_f32	357.433899
k_StopMode2HwTrqTransThresh_HwNm_f32	6.61520004
k_StopMode2HwVelTransThresh_HwDegpS_f32	235.928604
k_StopMode2Timer_Sec_u16	5
k_StopMode2VehSpdTransThresh_Kph_f32	186.554993
k_StopModeAssistDD_Uls_f32	0.112199999
target_DtrmnElapsedTime_mS_u32_ElapsedTime	280450
target_GetSystemTime_mS_u32_CurrentTime	73000
target_Rte_Inst_Ap_GMStrtStop.StrtStop_Per1_APASState_State_enum	target_StrtStop_Per1_APASState_State_enum
target_Rte_Inst_Ap_GMStrtStop.StrtStop_Per1_EngSpd_Rpm_f32	target_StrtStop_Per1_EngSpd_Rpm_f32
target_Rte_Inst_Ap_GMStrtStop.StrtStop_Per1_HandwheelVelocity_HwRadpS_f32	target_StrtStop_Per1_HandwheelVelocity_HwRadpS_f32
target_Rte_Inst_Ap_GMStrtStop.StrtStop_Per1_HwTorque_HwNm_f32	target_StrtStop_Per1_HwTorque_HwNm_f32
target_Rte_Inst_Ap_GMStrtStop.StrtStop_Per1_SS12VFault_Cnt_lgc	target_StrtStop_Per1_SS12VFault_Cnt_lgc
target_Rte_Inst_Ap_GMStrtStop.StrtStop_Per1_SSScale_Uls_f32	target_StrtStop_Per1_SSScale_Uls_f32
target_Rte_Inst_Ap_GMStrtStop.StrtStop_Per1_SSSlew_UlspS_f32	target_StrtStop_Per1_SSSlew_UlspS_f32
target_Rte_Inst_Ap_GMStrtStop.StrtStop_Per1_SSState_State_enum	target_StrtStop_Per1_SSState_State_enum
target_Rte_Inst_Ap_GMStrtStop.StrtStop_Per1_VehicleSpeed_Kph_f32	target_StrtStop_Per1_VehicleSpeed_Kph_f32
target_StrtStop_Per1_APASState_State_enum.value	0
target_StrtStop_Per1_EngSpd_Rpm_f32.value	66.2399979
target_StrtStop_Per1_HandwheelVelocity_HwRadpS_f32.value	0
target_StrtStop_Per1_HwTorque_HwNm_f32.value	-3.9368999
target_StrtStop_Per1_SS12VFault_Cnt_lgc.value	0
target_StrtStop_Per1_VehicleSpeed_Kph_f32.value	6.23999977

Name	Actual Value	Expected Value	Result
StrtStop_SSScale_Uls_M_f32	1	1	✓
StrtStop_SSSlewRatePrev_UlspS_M_f32	444.044098	444.044098 ± 0.1	✓
StrtStop_StOpModePrevPrev_Cnt_M_enum	3	3	✓
StrtStop_StOpModePrev_Cnt_M_enum	1	1	✓
StrtStop_StOpMode_Cnt_M_enum	1	1	✓
StrtStop_StopModeTimer1_mS_M_u32	2435435264	2435435264	✓
StrtStop_StopModeTimer2_mS_M_u32	3034390784	3034390784	✓
target_StrtStop_Per1_SSScale_Uls_f32.value	1	1 ± 0.0001	✓
target_StrtStop_Per1_SSSlew_UlspS_f32.value	444.044098	444.044098 ± 0.1	✓
target_StrtStop_Per1_SSState_State_enum.value	1	1	✓

## Test Step Call Trace

Actual Function	Count	Expected Function	Count	Result
DtrmnElapsedTime_mS_u32	1	DtrmnElapsedTime_mS_u32	1	✓
PreviousStCalc	1	PreviousStCalc	1	✓
SlewRateCalc	1	SlewRateCalc	1	✓

# TEST DETAILS REPORT

2016-07-18, 16:07:36+0530



StrtStop\_Per1

Test Step 2.58 (Repeat Count = 1)					✔
Name		Input Value			
DtrmnElapsedTime_mS_u32(ElapsedTime)		target_DtrmnElapsedTime_mS_u32_ElapsedTime			
GetSystemTime_mS_u32(CurrentTime)		target_GetSystemTime_mS_u32_CurrentTime			
Rte_Inst_Ap_GMStrtStop		target_Rte_Inst_Ap_GMStrtStop			
StrtStop_SSScale_Uls_M_f32		0.0882999972			
StrtStop_SSSlewRatePrev_UlspS_M_f32		473.097412			
StrtStop_StOpModePrevPrev_Cnt_M_enum		5			
StrtStop_StOpModePrev_Cnt_M_enum		3			
StrtStop_StOpMode_Cnt_M_enum		1			
StrtStop_StopModeTimer1_mS_M_u32		3373097472			
StrtStop_StopModeTimer2_mS_M_u32		4274741248			
k_AlgEnable_Cnt_lgc		1			
k_FltRspRampDnRt_UlspS_f32		211.528			
k_Mode1AssistDD_Uls_f32		1			
k_Mode1AssistSlew_UlspS_f32		448.971008			
k_Mode1EngTransThresh_Rpm_f32		13789.4102			
k_Mode1VehSpdTransThresh_Kph_f32		174.196503			
k_Mode2AssistDD_Uls_f32		1			
k_Mode2AssistSlew_UlspS_f32		279.053406			
k_Mode2VehSpdTransThresh_Kph_f32		155.530899			
k_NormalModeAssistSlew_UlspS_f32		319.713501			
k_NormalModeEngTransThresh_Rpm_f32		5586.98242			
k_NormalModeVehSpdTransThresh_Kph_f32		72.0836029			
k_StopMode1AssistSlew_UlspS_f32		174.879501			
k_StopMode1HwTrqTransThresh_HwNm_f32		6.3277998			
k_StopMode1HwVelTransThresh_HwDegpS_f32		25.4627991			
k_StopMode1Timer_Sec_u16		1			
k_StopMode1VehSpdTransThres_Kph_f32		91.895401			
k_StopMode2AssistSlew_UlspS_f32		140.441895			
k_StopMode2HwTrqTransThresh_HwNm_f32		6.03009987			
k_StopMode2HwVelTransThresh_HwDegpS_f32		15.6574001			
k_StopMode2Timer_Sec_u16		0			
k_StopMode2VehSpdTransThresh_Kph_f32		55.7095985			
k_StopModeAssistDD_Uls_f32		0			
target_DtrmnElapsedTime_mS_u32_ElapsedTime		285600			
target_GetSystemTime_mS_u32_CurrentTime		74350			
target_Rte_Inst_Ap_GMStrtStop.StrtStop_Per1_APASState_State_enum		target_StrtStop_Per1_APASState_State_enum			
target_Rte_Inst_Ap_GMStrtStop.StrtStop_Per1_EngSpd_Rpm_f32		target_StrtStop_Per1_EngSpd_Rpm_f32			
target_Rte_Inst_Ap_GMStrtStop.StrtStop_Per1_HandwheelVelocity_HwRadpS_f32		target_StrtStop_Per1_HandwheelVelocity_HwRadpS_f32			
target_Rte_Inst_Ap_GMStrtStop.StrtStop_Per1_HwTorque_HwNm_f32		target_StrtStop_Per1_HwTorque_HwNm_f32			
target_Rte_Inst_Ap_GMStrtStop.StrtStop_Per1_SS12VFault_Cnt_lgc		target_StrtStop_Per1_SS12VFault_Cnt_lgc			
target_Rte_Inst_Ap_GMStrtStop.StrtStop_Per1_SSScale_Uls_f32		target_StrtStop_Per1_SSScale_Uls_f32			
target_Rte_Inst_Ap_GMStrtStop.StrtStop_Per1_SSSlew_UlspS_f32		target_StrtStop_Per1_SSSlew_UlspS_f32			
target_Rte_Inst_Ap_GMStrtStop.StrtStop_Per1_SSSState_State_enum		target_StrtStop_Per1_SSSState_State_enum			
target_Rte_Inst_Ap_GMStrtStop.StrtStop_Per1_VehicleSpeed_Kph_f32		target_StrtStop_Per1_VehicleSpeed_Kph_f32			
target_StrtStop_Per1_APASState_State_enum.value		0			
target_StrtStop_Per1_EngSpd_Rpm_f32.value		0			
target_StrtStop_Per1_HandwheelVelocity_HwRadpS_f32.value		0			
target_StrtStop_Per1_HwTorque_HwNm_f32.value		0			
target_StrtStop_Per1_SS12VFault_Cnt_lgc.value		0			
target_StrtStop_Per1_VehicleSpeed_Kph_f32.value		0			
Name	Actual Value	Expected Value	Result		
StrtStop_SSScale_Uls_M_f32	0	0	✔		
StrtStop_SSSlewRatePrev_UlspS_M_f32	140.441895	140.441895 ± 0.1	✔		
StrtStop_StOpModePrevPrev_Cnt_M_enum	3	3	✔		
StrtStop_StOpModePrev_Cnt_M_enum	2	2	✔		
StrtStop_StOpMode_Cnt_M_enum	2	2	✔		
StrtStop_StopModeTimer1_mS_M_u32	3373097472	3373097472	✔		
StrtStop_StopModeTimer2_mS_M_u32	4274741248	4274741248	✔		
target_StrtStop_Per1_SSScale_Uls_f32.value	0	0 ± 0.0001	✔		
target_StrtStop_Per1_SSSlew_UlspS_f32.value	140.441895	140.441895 ± 0.1	✔		
target_StrtStop_Per1_SSSState_State_enum.value	2	2	✔		
Test Step Call Trace					✔
Actual Function	Count	Expected Function	Count	Result	
DtrmnElapsedTime_mS_u32	1	DtrmnElapsedTime_mS_u32	1	✔	
PreviousStCalc	1	PreviousStCalc	1	✔	
SlewRateCalc	1	SlewRateCalc	1	✔	

# TEST DETAILS REPORT

2016-07-18, 16:07:36+0530



StrtStop\_Per1

Test Step 2.59 (Repeat Count = 1) ✓				
Name	Input Value			
DtrmnElapsedTime_mS_u32(ElapsedTime)	target_DtrmnElapsedTime_mS_u32_ElapsedTime			
GetSystemTime_mS_u32(CurrentTime)	target_GetSystemTime_mS_u32_CurrentTime			
Rte_Inst_Ap_GMStrtStop	target_Rte_Inst_Ap_GMStrtStop			
StrtStop_SSScale_Uls_M_f32	1			
StrtStop_SSSlewRatePrev_UlspS_M_f32	129.595993			
StrtStop_StOpModePrevPrev_Cnt_M_enum	2			
StrtStop_StOpModePrev_Cnt_M_enum	4			
StrtStop_StOpMode_Cnt_M_enum	1			
StrtStop_StopModeTimer1_mS_M_u32	3497958656			
StrtStop_StopModeTimer2_mS_M_u32	2898043648			
k_AlgEnable_Cnt_lgc	1			
k_FltRspRampDnRt_UlspS_f32	436.272491			
k_Mode1AssistDD_Uls_f32	0.107900001			
k_Mode1AssistSlew_UlspS_f32	389.873901			
k_Mode1EngTransThresh_Rpm_f32	7631.70166			
k_Mode1VehSpdTransThresh_Kph_f32	119.3209			
k_Mode2AssistDD_Uls_f32	0.690500021			
k_Mode2AssistSlew_UlspS_f32	420.861206			
k_Mode2VehSpdTransThresh_Kph_f32	17.3297005			
k_NormalModeAssistSlew_UlspS_f32	96.0016022			
k_NormalModeEngTransThresh_Rpm_f32	15064.2002			
k_NormalModeVehSpdTransThresh_Kph_f32	15.7834997			
k_StopMode1AssistSlew_UlspS_f32	145.473404			
k_StopMode1HwTrqTransThresh_HwNm_f32	0.874599993			
k_StopMode1HwVelTransThresh_HwDegpS_f32	109.834602			
k_StopMode1Timer_Sec_u16	5			
k_StopMode1VehSpdTransThres_Kph_f32	158.477005			
k_StopMode2AssistSlew_UlspS_f32	390.031403			
k_StopMode2HwTrqTransThresh_HwNm_f32	6.08729982			
k_StopMode2HwVelTransThresh_HwDegpS_f32	11.5753002			
k_StopMode2Timer_Sec_u16	3			
k_StopMode2VehSpdTransThresh_Kph_f32	98.2502975			
k_StopModeAssistDD_Uls_f32	1			
target_DtrmnElapsedTime_mS_u32_ElapsedTime	290750			
target_GetSystemTime_mS_u32_CurrentTime	75700			
target_Rte_Inst_Ap_GMStrtStop.StrtStop_Per1_APASState_State_enum	target_StrtStop_Per1_APASState_State_enum			
target_Rte_Inst_Ap_GMStrtStop.StrtStop_Per1_EngSpd_Rpm_f32	target_StrtStop_Per1_EngSpd_Rpm_f32			
target_Rte_Inst_Ap_GMStrtStop.StrtStop_Per1_HandwheelVelocity_HwRadpS_f32	target_StrtStop_Per1_HandwheelVelocity_HwRadpS_f32			
target_Rte_Inst_Ap_GMStrtStop.StrtStop_Per1_HwTorque_HwNm_f32	target_StrtStop_Per1_HwTorque_HwNm_f32			
target_Rte_Inst_Ap_GMStrtStop.StrtStop_Per1_SS12VFault_Cnt_lgc	target_StrtStop_Per1_SS12VFault_Cnt_lgc			
target_Rte_Inst_Ap_GMStrtStop.StrtStop_Per1_SSScale_Uls_f32	target_StrtStop_Per1_SSScale_Uls_f32			
target_Rte_Inst_Ap_GMStrtStop.StrtStop_Per1_SSSlew_UlspS_f32	target_StrtStop_Per1_SSSlew_UlspS_f32			
target_Rte_Inst_Ap_GMStrtStop.StrtStop_Per1_SSState_State_enum	target_StrtStop_Per1_SSState_State_enum			
target_Rte_Inst_Ap_GMStrtStop.StrtStop_Per1_VehicleSpeed_Kph_f32	target_StrtStop_Per1_VehicleSpeed_Kph_f32			
target_StrtStop_Per1_APASState_State_enum.value	0			
target_StrtStop_Per1_EngSpd_Rpm_f32.value	0			
target_StrtStop_Per1_HandwheelVelocity_HwRadpS_f32.value	0			
target_StrtStop_Per1_HwTorque_HwNm_f32.value	0			
target_StrtStop_Per1_SS12VFault_Cnt_lgc.value	0			
target_StrtStop_Per1_VehicleSpeed_Kph_f32.value	0			
Name	Actual Value	Expected Value	Result	
StrtStop_SSScale_Uls_M_f32	1	1	✓	
StrtStop_SSSlewRatePrev_UlspS_M_f32	436.272491	436.272491 ± 0.1	✓	
StrtStop_StOpModePrevPrev_Cnt_M_enum	4	4	✓	
StrtStop_StOpModePrev_Cnt_M_enum	2	2	✓	
StrtStop_StOpMode_Cnt_M_enum	2	2	✓	
StrtStop_StopModeTimer1_mS_M_u32	3497958656	3497958656	✓	
StrtStop_StopModeTimer2_mS_M_u32	2898043648	2898043648	✓	
target_StrtStop_Per1_SSScale_Uls_f32.value	1	1 ± 0.0001	✓	
target_StrtStop_Per1_SSSlew_UlspS_f32.value	436.272491	436.272491 ± 0.1	✓	
target_StrtStop_Per1_SSState_State_enum.value	2	2	✓	

Test Step Call Trace ✓				
Actual Function	Count	Expected Function	Count	Result
DtrmnElapsedTime_mS_u32	1	DtrmnElapsedTime_mS_u32	1	✓
PreviousStCalc	1	PreviousStCalc	1	✓
SlewRateCalc	1	SlewRateCalc	1	✓



# TEST DETAILS REPORT

2016-07-18, 16:07:36+0530



StrtStop\_Per1

## Test Step 2.60 (Repeat Count = 1)

Name	Input Value
DtrmnElapsedTime_mS_u32(ElapsedTime)	target_DtrmnElapsedTime_mS_u32_ElapsedTime
GetSystemTime_mS_u32(CurrentTime)	target_GetSystemTime_mS_u32_CurrentTime
Rte_Inst_Ap_GMStrtStop	target_Rte_Inst_Ap_GMStrtStop
StrtStop_SSScale_Uls_M_f32	1
StrtStop_SSSlewRatePrev_UlspS_M_f32	8.95349979
StrtStop_StOpModePrevPrev_Cnt_M_enum	4
StrtStop_StOpModePrev_Cnt_M_enum	0
StrtStop_StOpMode_Cnt_M_enum	1
StrtStop_StopModeTimer1_mS_M_u32	483847168
StrtStop_StopModeTimer2_mS_M_u32	4021606912
k_AlgEnable_Cnt_lgc	1
k_FltRspRampDnRt_UlspS_f32	397.794098
k_Mode1AssistDD_Uls_f32	1
k_Mode1AssistSlew_UlspS_f32	229.736298
k_Mode1EngTransThresh_Rpm_f32	7346.96924
k_Mode1VehSpdTransThresh_Kph_f32	66.4962997
k_Mode2AssistDD_Uls_f32	1
k_Mode2AssistSlew_UlspS_f32	195.595993
k_Mode2VehSpdTransThresh_Kph_f32	67.5594025
k_NormalModeAssistSlew_UlspS_f32	401.337097
k_NormalModeEngTransThresh_Rpm_f32	14044.8008
k_NormalModeVehSpdTransThresh_Kph_f32	174.611801
k_StopMode1AssistSlew_UlspS_f32	343.599915
k_StopMode1HwTrqTransThresh_HwNm_f32	4.54440022
k_StopMode1HwVelTransThresh_HwDegpS_f32	164.142105
k_StopMode1Timer_Sec_u16	2
k_StopMode1VehSpdTransThres_Kph_f32	94.895401
k_StopMode2AssistSlew_UlspS_f32	62.7659988
k_StopMode2HwTrqTransThresh_HwNm_f32	10
k_StopMode2HwVelTransThresh_HwDegpS_f32	120.321198
k_StopMode2Timer_Sec_u16	5
k_StopMode2VehSpdTransThresh_Kph_f32	3.05270004
k_StopModeAssistDD_Uls_f32	0.00109999999
target_DtrmnElapsedTime_mS_u32_ElapsedTime	295900
target_GetSystemTime_mS_u32_CurrentTime	77050
target_Rte_Inst_Ap_GMStrtStop.StrtStop_Per1_APASState_State_enum	target_StrtStop_Per1_APASState_State_enum
target_Rte_Inst_Ap_GMStrtStop.StrtStop_Per1_EngSpd_Rpm_f32	target_StrtStop_Per1_EngSpd_Rpm_f32
target_Rte_Inst_Ap_GMStrtStop.StrtStop_Per1_HandwheelVelocity_HwRadpS_f32	target_StrtStop_Per1_HandwheelVelocity_HwRadpS_f32
target_Rte_Inst_Ap_GMStrtStop.StrtStop_Per1_HwTorque_HwNm_f32	target_StrtStop_Per1_HwTorque_HwNm_f32
target_Rte_Inst_Ap_GMStrtStop.StrtStop_Per1_SS12VFault_Cnt_lgc	target_StrtStop_Per1_SS12VFault_Cnt_lgc
target_Rte_Inst_Ap_GMStrtStop.StrtStop_Per1_SSScale_Uls_f32	target_StrtStop_Per1_SSScale_Uls_f32
target_Rte_Inst_Ap_GMStrtStop.StrtStop_Per1_SSSlew_UlspS_f32	target_StrtStop_Per1_SSSlew_UlspS_f32
target_Rte_Inst_Ap_GMStrtStop.StrtStop_Per1_SSState_State_enum	target_StrtStop_Per1_SSState_State_enum
target_Rte_Inst_Ap_GMStrtStop.StrtStop_Per1_VehicleSpeed_Kph_f32	target_StrtStop_Per1_VehicleSpeed_Kph_f32
target_StrtStop_Per1_APASState_State_enum.value	0
target_StrtStop_Per1_EngSpd_Rpm_f32.value	0
target_StrtStop_Per1_HandwheelVelocity_HwRadpS_f32.value	0
target_StrtStop_Per1_HwTorque_HwNm_f32.value	0
target_StrtStop_Per1_SS12VFault_Cnt_lgc.value	0
target_StrtStop_Per1_VehicleSpeed_Kph_f32.value	0

Name	Actual Value	Expected Value	Result
StrtStop_SSScale_Uls_M_f32	0.00109999999	0.00109999999	✓
StrtStop_SSSlewRatePrev_UlspS_M_f32	397.794098	397.794098 ± 0.1	✓
StrtStop_StOpModePrevPrev_Cnt_M_enum	0	0	✓
StrtStop_StOpModePrev_Cnt_M_enum	2	2	✓
StrtStop_StOpMode_Cnt_M_enum	2	2	✓
StrtStop_StopModeTimer1_mS_M_u32	483847168	483847168	✓
StrtStop_StopModeTimer2_mS_M_u32	4021606912	4021606912	✓
target_StrtStop_Per1_SSScale_Uls_f32.value	0.00109999999	0.00109999999 ± 0.0001	✓
target_StrtStop_Per1_SSSlew_UlspS_f32.value	397.794098	397.794098 ± 0.1	✓
target_StrtStop_Per1_SSState_State_enum.value	2	2	✓

## Test Step Call Trace

Actual Function	Count	Expected Function	Count	Result
DtrmnElapsedTime_mS_u32	1	DtrmnElapsedTime_mS_u32	1	✓
PreviousStCalc	1	PreviousStCalc	1	✓
SlewRateCalc	1	SlewRateCalc	1	✓



# TEST DETAILS REPORT

2016-07-18, 16:07:36+0530



StrtStop\_Per1

Test Step 2.61 (Repeat Count = 1) ✓				
Name	Input Value			
DtrmnElapsedTime_mS_u32(ElapsedTime)	target_DtrmnElapsedTime_mS_u32_ElapsedTime			
GetSystemTime_mS_u32(CurrentTime)	target_GetSystemTime_mS_u32_CurrentTime			
Rte_Inst_Ap_GMStrtStop	target_Rte_Inst_Ap_GMStrtStop			
StrtStop_SSScale_Uls_M_f32	1			
StrtStop_SSSlewRatePrev_UlspS_M_f32	161.489899			
StrtStop_StOpModePrevPrev_Cnt_M_enum	1			
StrtStop_StOpModePrev_Cnt_M_enum	1			
StrtStop_StOpMode_Cnt_M_enum	2			
StrtStop_StopModeTimer1_mS_M_u32	3217686272			
StrtStop_StopModeTimer2_mS_M_u32	1885877504			
k_AlgEnable_Cnt_lgc	1			
k_FltRspRampDnRt_UlspS_f32	453.032104			
k_Mode1AssistDD_Uls_f32	0.896300018			
k_Mode1AssistSlew_UlspS_f32	313.654297			
k_Mode1EngTransThresh_Rpm_f32	10200.2588			
k_Mode1VehSpdTransThresh_Kph_f32	111.012199			
k_Mode2AssistDD_Uls_f32	0.421400011			
k_Mode2AssistSlew_UlspS_f32	364.835693			
k_Mode2VehSpdTransThresh_Kph_f32	0			
k_NormalModeAssistSlew_UlspS_f32	175.749603			
k_NormalModeEngTransThresh_Rpm_f32	0			
k_NormalModeVehSpdTransThresh_Kph_f32	67.5306015			
k_StopMode1AssistSlew_UlspS_f32	264.764496			
k_StopMode1HwTrqTransThresh_HwNm_f32	6.16720009			
k_StopMode1HwVelTransThresh_HwDegpS_f32	130.013504			
k_StopMode1Timer_Sec_u16	1			
k_StopMode1VehSpdTransThres_Kph_f32	15.3378			
k_StopMode2AssistSlew_UlspS_f32	124.421303			
k_StopMode2HwTrqTransThresh_HwNm_f32	8.46140003			
k_StopMode2HwVelTransThresh_HwDegpS_f32	179.1474			
k_StopMode2Timer_Sec_u16	2			
k_StopMode2VehSpdTransThresh_Kph_f32	28.0594997			
k_StopModeAssistDD_Uls_f32	0.0883999988			
target_DtrmnElapsedTime_mS_u32_ElapsedTime	301050			
target_GetSystemTime_mS_u32_CurrentTime	78400			
target_Rte_Inst_Ap_GMStrtStop.StrtStop_Per1_APASState_State_enum	target_StrtStop_Per1_APASState_State_enum			
target_Rte_Inst_Ap_GMStrtStop.StrtStop_Per1_EngSpd_Rpm_f32	target_StrtStop_Per1_EngSpd_Rpm_f32			
target_Rte_Inst_Ap_GMStrtStop.StrtStop_Per1_HandwheelVelocity_HwRadpS_f32	target_StrtStop_Per1_HandwheelVelocity_HwRadpS_f32			
target_Rte_Inst_Ap_GMStrtStop.StrtStop_Per1_HwTorque_HwNm_f32	target_StrtStop_Per1_HwTorque_HwNm_f32			
target_Rte_Inst_Ap_GMStrtStop.StrtStop_Per1_SS12VFault_Cnt_lgc	target_StrtStop_Per1_SS12VFault_Cnt_lgc			
target_Rte_Inst_Ap_GMStrtStop.StrtStop_Per1_SSScale_Uls_f32	target_StrtStop_Per1_SSScale_Uls_f32			
target_Rte_Inst_Ap_GMStrtStop.StrtStop_Per1_SSSlew_UlspS_f32	target_StrtStop_Per1_SSSlew_UlspS_f32			
target_Rte_Inst_Ap_GMStrtStop.StrtStop_Per1_SSState_State_enum	target_StrtStop_Per1_SSState_State_enum			
target_Rte_Inst_Ap_GMStrtStop.StrtStop_Per1_VehicleSpeed_Kph_f32	target_StrtStop_Per1_VehicleSpeed_Kph_f32			
target_StrtStop_Per1_APASState_State_enum.value	0			
target_StrtStop_Per1_EngSpd_Rpm_f32.value	0			
target_StrtStop_Per1_HandwheelVelocity_HwRadpS_f32.value	57.6822014			
target_StrtStop_Per1_HwTorque_HwNm_f32.value	-6.28539991			
target_StrtStop_Per1_SS12VFault_Cnt_lgc.value	0			
target_StrtStop_Per1_VehicleSpeed_Kph_f32.value	63.9673996			
Name	Actual Value	Expected Value	Result	
StrtStop_SSScale_Uls_M_f32	0.421400011	0.421400011	✓	
StrtStop_SSSlewRatePrev_UlspS_M_f32	453.032104	453.032104 ± 0.1	✓	
StrtStop_StOpModePrevPrev_Cnt_M_enum	1	1	✓	
StrtStop_StOpModePrev_Cnt_M_enum	3	3	✓	
StrtStop_StOpMode_Cnt_M_enum	3	3	✓	
StrtStop_StopModeTimer1_mS_M_u32	3217686272	3217686272	✓	
StrtStop_StopModeTimer2_mS_M_u32	78400	78400	✓	
target_StrtStop_Per1_SSScale_Uls_f32.value	0.421400011	0.421400011 ± 0.0001	✓	
target_StrtStop_Per1_SSSlew_UlspS_f32.value	453.032104	453.032104 ± 0.1	✓	
target_StrtStop_Per1_SSState_State_enum.value	3	3	✓	

Test Step Call Trace ✓				
Actual Function	Count	Expected Function	Count	Result
GetSystemTime_mS_u32	1	GetSystemTime_mS_u32	1	✓
PreviousStCalc	1	PreviousStCalc	1	✓
SlewRateCalc	1	SlewRateCalc	1	✓

# TEST DETAILS REPORT

2016-07-18, 16:07:36+0530



StrtStop\_Per1

Test Step 2.62 (Repeat Count = 1) ✓				
Name	Input Value			
DtrmnElapsedTime_mS_u32(ElapsedTime)	target_DtrmnElapsedTime_mS_u32_ElapsedTime			
GetSystemTime_mS_u32(CurrentTime)	target_GetSystemTime_mS_u32_CurrentTime			
Rte_Inst_Ap_GMStrtStop	target_Rte_Inst_Ap_GMStrtStop			
StrtStop_SSScale_Uls_M_f32	1			
StrtStop_SSSlewRatePrev_UlspS_M_f32	300.747894			
StrtStop_StOpModePrevPrev_Cnt_M_enum	0			
StrtStop_StOpModePrev_Cnt_M_enum	0			
StrtStop_StOpMode_Cnt_M_enum	2			
StrtStop_StopModeTimer1_mS_M_u32	788317696			
StrtStop_StopModeTimer2_mS_M_u32	2172265472			
k_AlgEnable_Cnt_lgc	1			
k_FltRspRampDnRt_UlspS_f32	436.60379			
k_Mode1AssistDD_Uls_f32	1			
k_Mode1AssistSlew_UlspS_f32	468.728607			
k_Mode1EngTransThresh_Rpm_f32	11003.8184			
k_Mode1VehSpdTransThresh_Kph_f32	5.27600002			
k_Mode2AssistDD_Uls_f32	1			
k_Mode2AssistSlew_UlspS_f32	93.2279968			
k_Mode2VehSpdTransThresh_Kph_f32	200			
k_NormalModeAssistSlew_UlspS_f32	2.19899988			
k_NormalModeEngTransThresh_Rpm_f32	0			
k_NormalModeVehSpdTransThresh_Kph_f32	72.0005035			
k_StopMode1AssistSlew_UlspS_f32	426.031799			
k_StopMode1HwTrqTransThresh_HwNm_f32	6.71479988			
k_StopMode1HwVelTransThresh_HwDegpS_f32	206.830399			
k_StopMode1Timer_Sec_u16	4			
k_StopMode1VehSpdTransThresh_Kph_f32	47.3549995			
k_StopMode2AssistSlew_UlspS_f32	164.071701			
k_StopMode2HwTrqTransThresh_HwNm_f32	8.32530022			
k_StopMode2HwVelTransThresh_HwDegpS_f32	86.7898026			
k_StopMode2Timer_Sec_u16	3			
k_StopMode2VehSpdTransThresh_Kph_f32	18.7343998			
k_StopModeAssistDD_Uls_f32	1			
target_DtrmnElapsedTime_mS_u32_ElapsedTime	306200			
target_GetSystemTime_mS_u32_CurrentTime	79750			
target_Rte_Inst_Ap_GMStrtStop.StrtStop_Per1_APASState_State_enum	target_StrtStop_Per1_APASState_State_enum			
target_Rte_Inst_Ap_GMStrtStop.StrtStop_Per1_EngSpd_Rpm_f32	target_StrtStop_Per1_EngSpd_Rpm_f32			
target_Rte_Inst_Ap_GMStrtStop.StrtStop_Per1_HandwheelVelocity_HwRadpS_f32	target_StrtStop_Per1_HandwheelVelocity_HwRadpS_f32			
target_Rte_Inst_Ap_GMStrtStop.StrtStop_Per1_HwTorque_HwNm_f32	target_StrtStop_Per1_HwTorque_HwNm_f32			
target_Rte_Inst_Ap_GMStrtStop.StrtStop_Per1_SS12VFault_Cnt_lgc	target_StrtStop_Per1_SS12VFault_Cnt_lgc			
target_Rte_Inst_Ap_GMStrtStop.StrtStop_Per1_SSScale_Uls_f32	target_StrtStop_Per1_SSScale_Uls_f32			
target_Rte_Inst_Ap_GMStrtStop.StrtStop_Per1_SSSlew_UlspS_f32	target_StrtStop_Per1_SSSlew_UlspS_f32			
target_Rte_Inst_Ap_GMStrtStop.StrtStop_Per1_SSState_State_enum	target_StrtStop_Per1_SSState_State_enum			
target_Rte_Inst_Ap_GMStrtStop.StrtStop_Per1_VehicleSpeed_Kph_f32	target_StrtStop_Per1_VehicleSpeed_Kph_f32			
target_StrtStop_Per1_APASState_State_enum.value	0			
target_StrtStop_Per1_EngSpd_Rpm_f32.value	0			
target_StrtStop_Per1_HandwheelVelocity_HwRadpS_f32.value	-89.8972015			
target_StrtStop_Per1_HwTorque_HwNm_f32.value	-7.71549988			
target_StrtStop_Per1_SS12VFault_Cnt_lgc.value	0			
target_StrtStop_Per1_VehicleSpeed_Kph_f32.value	27.2628994			
Name	Actual Value	Expected Value	Result	
StrtStop_SSScale_Uls_M_f32	1	1	✓	
StrtStop_SSSlewRatePrev_UlspS_M_f32	436.60379	436.60379 ± 0.1	✓	
StrtStop_StOpModePrevPrev_Cnt_M_enum	0	0	✓	
StrtStop_StOpModePrev_Cnt_M_enum	2	2	✓	
StrtStop_StOpMode_Cnt_M_enum	2	2	✓	
StrtStop_StopModeTimer1_mS_M_u32	788317696	788317696	✓	
StrtStop_StopModeTimer2_mS_M_u32	2172265472	2172265472	✓	
target_StrtStop_Per1_SSScale_Uls_f32.value	1	1 ± 0.0001	✓	
target_StrtStop_Per1_SSSlew_UlspS_f32.value	436.60379	436.60379 ± 0.1	✓	
target_StrtStop_Per1_SSState_State_enum.value	2	2	✓	

Test Step Call Trace ✓				
Actual Function	Count	Expected Function	Count	Result
PreviousStCalc	1	PreviousStCalc	1	✓
SlewRateCalc	1	SlewRateCalc	1	✓

# TEST DETAILS REPORT

2016-07-18, 16:07:36+0530



StrtStop\_Per1

Test Step 2.63 (Repeat Count = 1) ✓				
Name	Input Value			
DtrmnElapsedTime_mS_u32(ElapsedTime)	target_DtrmnElapsedTime_mS_u32_ElapsedTime			
GetSystemTime_mS_u32(CurrentTime)	target_GetSystemTime_mS_u32_CurrentTime			
Rte_Inst_Ap_GMStrtStop	target_Rte_Inst_Ap_GMStrtStop			
StrtStop_SSScale_Uls_M_f32	0.358900011			
StrtStop_SSSlewRatePrev_UlspS_M_f32	189.891296			
StrtStop_StOpModePrevPrev_Cnt_M_enum	5			
StrtStop_StOpModePrev_Cnt_M_enum	4			
StrtStop_StOpMode_Cnt_M_enum	2			
StrtStop_StopModeTimer1_mS_M_u32	155218176			
StrtStop_StopModeTimer2_mS_M_u32	1153455872			
k_AlgEnable_Cnt_lgc	1			
k_FltRspRampDnRt_UlspS_f32	131.9505			
k_Mode1AssistDD_Uls_f32	0.510200024			
k_Mode1AssistSlew_UlspS_f32	129.189407			
k_Mode1EngTransThresh_Rpm_f32	16344.4951			
k_Mode1VehSpdTransThresh_Kph_f32	176.236893			
k_Mode2AssistDD_Uls_f32	1			
k_Mode2AssistSlew_UlspS_f32	43.1851997			
k_Mode2VehSpdTransThresh_Kph_f32	8			
k_NormalModeAssistSlew_UlspS_f32	412.759186			
k_NormalModeEngTransThresh_Rpm_f32	0			
k_NormalModeVehSpdTransThresh_Kph_f32	41.5996017			
k_StopMode1AssistSlew_UlspS_f32	261.865387			
k_StopMode1HwTrqTransThresh_HwNm_f32	1.88639998			
k_StopMode1HwVelTransThresh_HwDegpS_f32	225.648499			
k_StopMode1Timer_Sec_u16	3			
k_StopMode1VehSpdTransThres_Kph_f32	5.95749998			
k_StopMode2AssistSlew_UlspS_f32	466.990601			
k_StopMode2HwTrqTransThresh_HwNm_f32	0.450700015			
k_StopMode2HwVelTransThresh_HwDegpS_f32	158.561707			
k_StopMode2Timer_Sec_u16	2			
k_StopMode2VehSpdTransThresh_Kph_f32	188.810699			
k_StopModeAssistDD_Uls_f32	0.0306000002			
target_DtrmnElapsedTime_mS_u32_ElapsedTime	311350			
target_GetSystemTime_mS_u32_CurrentTime	81100			
target_Rte_Inst_Ap_GMStrtStop.StrtStop_Per1_APASState_State_enum	target_StrtStop_Per1_APASState_State_enum			
target_Rte_Inst_Ap_GMStrtStop.StrtStop_Per1_EngSpd_Rpm_f32	target_StrtStop_Per1_EngSpd_Rpm_f32			
target_Rte_Inst_Ap_GMStrtStop.StrtStop_Per1_HandwheelVelocity_HwRadpS_f32	target_StrtStop_Per1_HandwheelVelocity_HwRadpS_f32			
target_Rte_Inst_Ap_GMStrtStop.StrtStop_Per1_HwTorque_HwNm_f32	target_StrtStop_Per1_HwTorque_HwNm_f32			
target_Rte_Inst_Ap_GMStrtStop.StrtStop_Per1_SS12VFault_Cnt_lgc	target_StrtStop_Per1_SS12VFault_Cnt_lgc			
target_Rte_Inst_Ap_GMStrtStop.StrtStop_Per1_SSScale_Uls_f32	target_StrtStop_Per1_SSScale_Uls_f32			
target_Rte_Inst_Ap_GMStrtStop.StrtStop_Per1_SSSlew_UlspS_f32	target_StrtStop_Per1_SSSlew_UlspS_f32			
target_Rte_Inst_Ap_GMStrtStop.StrtStop_Per1_SSState_State_enum	target_StrtStop_Per1_SSState_State_enum			
target_Rte_Inst_Ap_GMStrtStop.StrtStop_Per1_VehicleSpeed_Kph_f32	target_StrtStop_Per1_VehicleSpeed_Kph_f32			
target_StrtStop_Per1_APASState_State_enum.value	0			
target_StrtStop_Per1_EngSpd_Rpm_f32.value	0			
target_StrtStop_Per1_HandwheelVelocity_HwRadpS_f32.value	4.12120008			
target_StrtStop_Per1_HwTorque_HwNm_f32.value	-9.78380013			
target_StrtStop_Per1_SS12VFault_Cnt_lgc.value	0			
target_StrtStop_Per1_VehicleSpeed_Kph_f32.value	65.7186966			
Name	Actual Value	Expected Value	Result	
StrtStop_SSScale_Uls_M_f32	1	1	✓	
StrtStop_SSSlewRatePrev_UlspS_M_f32	131.9505	131.9505 ± 0.1	✓	
StrtStop_StOpModePrevPrev_Cnt_M_enum	4	4	✓	
StrtStop_StOpModePrev_Cnt_M_enum	3	3	✓	
StrtStop_StOpMode_Cnt_M_enum	3	3	✓	
StrtStop_StopModeTimer1_mS_M_u32	155218176	155218176	✓	
StrtStop_StopModeTimer2_mS_M_u32	81100	81100	✓	
target_StrtStop_Per1_SSScale_Uls_f32.value	1	1 ± 0.0001	✓	
target_StrtStop_Per1_SSSlew_UlspS_f32.value	131.9505	131.9505 ± 0.1	✓	
target_StrtStop_Per1_SSState_State_enum.value	3	3	✓	

Test Step Call Trace ✓				
Actual Function	Count	Expected Function	Count	Result
GetSystemTime_mS_u32	1	GetSystemTime_mS_u32	1	✓
PreviousStCalc	1	PreviousStCalc	1	✓
SlewRateCalc	1	SlewRateCalc	1	✓

# TEST DETAILS REPORT

2016-07-18, 16:07:36+0530



StrtStop\_Per1

## Test Step 2.64 (Repeat Count = 1)

Name	Input Value
DtrmnElapsedTime_mS_u32(ElapsedTime)	target_DtrmnElapsedTime_mS_u32_ElapsedTime
GetSystemTime_mS_u32(CurrentTime)	target_GetSystemTime_mS_u32_CurrentTime
Rte_Inst_Ap_GMStrtStop	target_Rte_Inst_Ap_GMStrtStop
StrtStop_SSScale_Uls_M_f32	0.349400014
StrtStop_SSSlewRatePrev_UlspS_M_f32	321.752411
StrtStop_StOpModePrevPrev_Cnt_M_enum	3
StrtStop_StOpModePrev_Cnt_M_enum	5
StrtStop_StOpMode_Cnt_M_enum	2
StrtStop_StopModeTimer1_mS_M_u32	1927376896
StrtStop_StopModeTimer2_mS_M_u32	125419008
k_AlgEnable_Cnt_lgc	1
k_FltRspRampDnRt_UlspS_f32	323.268005
k_Mode1AssistDD_Uls_f32	1
k_Mode1AssistSlew_UlspS_f32	238.549896
k_Mode1EngTransThresh_Rpm_f32	621.477722
k_Mode1VehSpdTransThresh_Kph_f32	89.5345993
k_Mode2AssistDD_Uls_f32	0.00109999999
k_Mode2AssistSlew_UlspS_f32	252.104599
k_Mode2VehSpdTransThresh_Kph_f32	4.32000017
k_NormalModeAssistSlew_UlspS_f32	481.847107
k_NormalModeEngTransThresh_Rpm_f32	12569.5811
k_NormalModeVehSpdTransThresh_Kph_f32	70.7136002
k_StopMode1AssistSlew_UlspS_f32	14.6015997
k_StopMode1HwTrqTransThresh_HwNm_f32	8.74129963
k_StopMode1HwVelTransThresh_HwDegpS_f32	158.700195
k_StopMode1Timer_Sec_u16	4
k_StopMode1VehSpdTransThresh_Kph_f32	54.1248016
k_StopMode2AssistSlew_UlspS_f32	14.4673004
k_StopMode2HwTrqTransThresh_HwNm_f32	4.23570013
k_StopMode2HwVelTransThresh_HwDegpS_f32	166.961502
k_StopMode2Timer_Sec_u16	3
k_StopMode2VehSpdTransThresh_Kph_f32	43.7164001
k_StopModeAssistDD_Uls_f32	0.675700009
target_DtrmnElapsedTime_mS_u32_ElapsedTime	316500
target_GetSystemTime_mS_u32_CurrentTime	82450
target_Rte_Inst_Ap_GMStrtStop.StrtStop_Per1_APASState_State_enum	target_StrtStop_Per1_APASState_State_enum
target_Rte_Inst_Ap_GMStrtStop.StrtStop_Per1_EngSpd_Rpm_f32	target_StrtStop_Per1_EngSpd_Rpm_f32
target_Rte_Inst_Ap_GMStrtStop.StrtStop_Per1_HandwheelVelocity_HwRadpS_f32	target_StrtStop_Per1_HandwheelVelocity_HwRadpS_f32
target_Rte_Inst_Ap_GMStrtStop.StrtStop_Per1_HwTorque_HwNm_f32	target_StrtStop_Per1_HwTorque_HwNm_f32
target_Rte_Inst_Ap_GMStrtStop.StrtStop_Per1_SS12VFault_Cnt_lgc	target_StrtStop_Per1_SS12VFault_Cnt_lgc
target_Rte_Inst_Ap_GMStrtStop.StrtStop_Per1_SSScale_Uls_f32	target_StrtStop_Per1_SSScale_Uls_f32
target_Rte_Inst_Ap_GMStrtStop.StrtStop_Per1_SSSlew_UlspS_f32	target_StrtStop_Per1_SSSlew_UlspS_f32
target_Rte_Inst_Ap_GMStrtStop.StrtStop_Per1_SSState_State_enum	target_StrtStop_Per1_SSState_State_enum
target_Rte_Inst_Ap_GMStrtStop.StrtStop_Per1_VehicleSpeed_Kph_f32	target_StrtStop_Per1_VehicleSpeed_Kph_f32
target_StrtStop_Per1_APASState_State_enum.value	0
target_StrtStop_Per1_EngSpd_Rpm_f32.value	3594.96338
target_StrtStop_Per1_HandwheelVelocity_HwRadpS_f32.value	52.162899
target_StrtStop_Per1_HwTorque_HwNm_f32.value	-6.81519985
target_StrtStop_Per1_SS12VFault_Cnt_lgc.value	0
target_StrtStop_Per1_VehicleSpeed_Kph_f32.value	152.7621

Name	Actual Value	Expected Value	Result
StrtStop_SSScale_Uls_M_f32	0.00109999999	0.00109999999	✓
StrtStop_SSSlewRatePrev_UlspS_M_f32	1	1 ± 0.1	✓
StrtStop_StOpModePrevPrev_Cnt_M_enum	5	5	✓
StrtStop_StOpModePrev_Cnt_M_enum	3	3	✓
StrtStop_StOpMode_Cnt_M_enum	3	3	✓
StrtStop_StopModeTimer1_mS_M_u32	1927376896	1927376896	✓
StrtStop_StopModeTimer2_mS_M_u32	82450	82450	✓
target_StrtStop_Per1_SSScale_Uls_f32.value	0.00109999999	0.00109999999 ± 0.0001	✓
target_StrtStop_Per1_SSSlew_UlspS_f32.value	1	1 ± 0.1	✓
target_StrtStop_Per1_SSState_State_enum.value	3	3	✓

## Test Step Call Trace

Actual Function	Count	Expected Function	Count	Result
GetSystemTime_mS_u32	1	GetSystemTime_mS_u32	1	✓
PreviousStCalc	1	PreviousStCalc	1	✓
SlewRateCalc	1	SlewRateCalc	1	✓

# TEST DETAILS REPORT

2016-07-18, 16:07:36+0530



StrtStop\_Per1

Test Step 2.65 (Repeat Count = 1)				
Name	Input Value			
DtrmnElapsedTime_mS_u32(ElapsedTime)	target_DtrmnElapsedTime_mS_u32_ElapsedTime			
GetSystemTime_mS_u32(CurrentTime)	target_GetSystemTime_mS_u32_CurrentTime			
Rte_Inst_Ap_GMStrtStop	target_Rte_Inst_Ap_GMStrtStop			
StrtStop_SSScale_Uls_M_f32	1			
StrtStop_SSSlewRatePrev_UlspS_M_f32	371.763397			
StrtStop_StOpModePrevPrev_Cnt_M_enum	5			
StrtStop_StOpModePrev_Cnt_M_enum	1			
StrtStop_StOpMode_Cnt_M_enum	2			
StrtStop_StopModeTimer1_mS_M_u32	4240077568			
StrtStop_StopModeTimer2_mS_M_u32	3383331072			
k_AlgEnable_Cnt_lgc	1			
k_FltRspRampDnRt_UlspS_f32	258.011597			
k_Mode1AssistDD_Uls_f32	0.66079998			
k_Mode1AssistSlew_UlspS_f32	227.658295			
k_Mode1EngTransThresh_Rpm_f32	9003.75488			
k_Mode1VehSpdTransThresh_Kph_f32	113.788101			
k_Mode2AssistDD_Uls_f32	1			
k_Mode2AssistSlew_UlspS_f32	43.7924004			
k_Mode2VehSpdTransThresh_Kph_f32	10.1199999			
k_NormalModeAssistSlew_UlspS_f32	473.396515			
k_NormalModeEngTransThresh_Rpm_f32	15747.3936			
k_NormalModeVehSpdTransThresh_Kph_f32	106.825104			
k_StopMode1AssistSlew_UlspS_f32	314.650787			
k_StopMode1HwTrqTransThresh_HwNm_f32	7.62989998			
k_StopMode1HwVelTransThresh_HwDegpS_f32	187.089706			
k_StopMode1Timer_Sec_u16	1			
k_StopMode1VehSpdTransThresh_Kph_f32	74.8861008			
k_StopMode2AssistSlew_UlspS_f32	347.705292			
k_StopMode2HwTrqTransThresh_HwNm_f32	10			
k_StopMode2HwVelTransThresh_HwDegpS_f32	145.178406			
k_StopMode2Timer_Sec_u16	4			
k_StopMode2VehSpdTransThresh_Kph_f32	24.2835007			
k_StopModeAssistDD_Uls_f32	0.430500001			
target_DtrmnElapsedTime_mS_u32_ElapsedTime	321650			
target_GetSystemTime_mS_u32_CurrentTime	83800			
target_Rte_Inst_Ap_GMStrtStop.StrtStop_Per1_APASState_State_enum	target_StrtStop_Per1_APASState_State_enum			
target_Rte_Inst_Ap_GMStrtStop.StrtStop_Per1_EngSpd_Rpm_f32	target_StrtStop_Per1_EngSpd_Rpm_f32			
target_Rte_Inst_Ap_GMStrtStop.StrtStop_Per1_HandwheelVelocity_HwRadpS_f32	target_StrtStop_Per1_HandwheelVelocity_HwRadpS_f32			
target_Rte_Inst_Ap_GMStrtStop.StrtStop_Per1_HwTorque_HwNm_f32	target_StrtStop_Per1_HwTorque_HwNm_f32			
target_Rte_Inst_Ap_GMStrtStop.StrtStop_Per1_SS12VFault_Cnt_lgc	target_StrtStop_Per1_SS12VFault_Cnt_lgc			
target_Rte_Inst_Ap_GMStrtStop.StrtStop_Per1_SSScale_Uls_f32	target_StrtStop_Per1_SSScale_Uls_f32			
target_Rte_Inst_Ap_GMStrtStop.StrtStop_Per1_SSSlew_UlspS_f32	target_StrtStop_Per1_SSSlew_UlspS_f32			
target_Rte_Inst_Ap_GMStrtStop.StrtStop_Per1_SSState_State_enum	target_StrtStop_Per1_SSState_State_enum			
target_Rte_Inst_Ap_GMStrtStop.StrtStop_Per1_VehicleSpeed_Kph_f32	target_StrtStop_Per1_VehicleSpeed_Kph_f32			
target_StrtStop_Per1_APASState_State_enum.value	0			
target_StrtStop_Per1_EngSpd_Rpm_f32.value	82.0299988			
target_StrtStop_Per1_HandwheelVelocity_HwRadpS_f32.value	60.9346008			
target_StrtStop_Per1_HwTorque_HwNm_f32.value	-2.07439995			
target_StrtStop_Per1_SS12VFault_Cnt_lgc.value	0			
target_StrtStop_Per1_VehicleSpeed_Kph_f32.value	126.086998			
Name	Actual Value	Expected Value	Result	
StrtStop_SSScale_Uls_M_f32	1	1	✓	
StrtStop_SSSlewRatePrev_UlspS_M_f32	258.011597	258.011597 ± 0.1	✓	
StrtStop_StOpModePrevPrev_Cnt_M_enum	1	1	✓	
StrtStop_StOpModePrev_Cnt_M_enum	3	3	✓	
StrtStop_StOpMode_Cnt_M_enum	3	3	✓	
StrtStop_StopModeTimer1_mS_M_u32	4240077568	4240077568	✓	
StrtStop_StopModeTimer2_mS_M_u32	83800	83800	✓	
target_StrtStop_Per1_SSScale_Uls_f32.value	1	1 ± 0.0001	✓	
target_StrtStop_Per1_SSSlew_UlspS_f32.value	258.011597	258.011597 ± 0.1	✓	
target_StrtStop_Per1_SSState_State_enum.value	3	3	✓	

Test Step Call Trace				
Actual Function	Count	Expected Function	Count	Result
GetSystemTime_mS_u32	1	GetSystemTime_mS_u32	1	✓
PreviousStCalc	1	PreviousStCalc	1	✓
SlewRateCalc	1	SlewRateCalc	1	✓

# TEST DETAILS REPORT

2016-07-18, 16:07:36+0530



StrtStop\_Per1

## Test Step 2.66 (Repeat Count = 1)

Name	Input Value
DtrmnElapsedTime_mS_u32(ElapsedTime)	target_DtrmnElapsedTime_mS_u32_ElapsedTime
GetSystemTime_mS_u32(CurrentTime)	target_GetSystemTime_mS_u32_CurrentTime
Rte_Inst_Ap_GMStrtStop	target_Rte_Inst_Ap_GMStrtStop
StrtStop_SSScale_Uls_M_f32	1
StrtStop_SSSlewRatePrev_UlspS_M_f32	356.341187
StrtStop_StOpModePrevPrev_Cnt_M_enum	4
StrtStop_StOpModePrev_Cnt_M_enum	1
StrtStop_StOpMode_Cnt_M_enum	2
StrtStop_StopModeTimer1_mS_M_u32	4210780672
StrtStop_StopModeTimer2_mS_M_u32	3557173248
k_AlgEnable_Cnt_lgc	1
k_FltRspRampDnRt_UlspS_f32	399.0867
k_Mode1AssistDD_Uls_f32	1
k_Mode1AssistSlew_UlspS_f32	28.8075008
k_Mode1EngTransThresh_Rpm_f32	884.702576
k_Mode1VehSpdTransThresh_Kph_f32	32.5257988
k_Mode2AssistDD_Uls_f32	0.5
k_Mode2AssistSlew_UlspS_f32	133.434799
k_Mode2VehSpdTransThresh_Kph_f32	18.5
k_NormalModeAssistSlew_UlspS_f32	121.452904
k_NormalModeEngTransThresh_Rpm_f32	10593.1572
k_NormalModeVehSpdTransThresh_Kph_f32	17.5674992
k_StopMode1AssistSlew_UlspS_f32	207.523605
k_StopMode1HwTrqTransThresh_HwNm_f32	6.91629982
k_StopMode1HwVelTransThresh_HwDegpS_f32	227.099594
k_StopMode1Timer_Sec_u16	5
k_StopMode1VehSpdTransThresh_Kph_f32	107.250504
k_StopMode2AssistSlew_UlspS_f32	386.080688
k_StopMode2HwTrqTransThresh_HwNm_f32	9.86330032
k_StopMode2HwVelTransThresh_HwDegpS_f32	184.591202
k_StopMode2Timer_Sec_u16	5
k_StopMode2VehSpdTransThresh_Kph_f32	127.667198
k_StopModeAssistDD_Uls_f32	0.970200002
target_DtrmnElapsedTime_mS_u32_ElapsedTime	326800
target_GetSystemTime_mS_u32_CurrentTime	85150
target_Rte_Inst_Ap_GMStrtStop.StrtStop_Per1_APASState_State_enum	target_StrtStop_Per1_APASState_State_enum
target_Rte_Inst_Ap_GMStrtStop.StrtStop_Per1_EngSpd_Rpm_f32	target_StrtStop_Per1_EngSpd_Rpm_f32
target_Rte_Inst_Ap_GMStrtStop.StrtStop_Per1_HandwheelVelocity_HwRadpS_f32	target_StrtStop_Per1_HandwheelVelocity_HwRadpS_f32
target_Rte_Inst_Ap_GMStrtStop.StrtStop_Per1_HwTorque_HwNm_f32	target_StrtStop_Per1_HwTorque_HwNm_f32
target_Rte_Inst_Ap_GMStrtStop.StrtStop_Per1_SS12VFault_Cnt_lgc	target_StrtStop_Per1_SS12VFault_Cnt_lgc
target_Rte_Inst_Ap_GMStrtStop.StrtStop_Per1_SSScale_Uls_f32	target_StrtStop_Per1_SSScale_Uls_f32
target_Rte_Inst_Ap_GMStrtStop.StrtStop_Per1_SSSlew_UlspS_f32	target_StrtStop_Per1_SSSlew_UlspS_f32
target_Rte_Inst_Ap_GMStrtStop.StrtStop_Per1_SSState_State_enum	target_StrtStop_Per1_SSState_State_enum
target_Rte_Inst_Ap_GMStrtStop.StrtStop_Per1_VehicleSpeed_Kph_f32	target_StrtStop_Per1_VehicleSpeed_Kph_f32
target_StrtStop_Per1_APASState_State_enum.value	3
target_StrtStop_Per1_EngSpd_Rpm_f32.value	2136.90649
target_StrtStop_Per1_HandwheelVelocity_HwRadpS_f32.value	-34.6337013
target_StrtStop_Per1_HwTorque_HwNm_f32.value	-6.04920006
target_StrtStop_Per1_SS12VFault_Cnt_lgc.value	0
target_StrtStop_Per1_VehicleSpeed_Kph_f32.value	193.684601

Name	Actual Value	Expected Value	Result
StrtStop_SSScale_Uls_M_f32	0.5	0.5	✓
StrtStop_SSSlewRatePrev_UlspS_M_f32	399.0867	399.0867 ± 0.1	✓
StrtStop_StOpModePrevPrev_Cnt_M_enum	1	1	✓
StrtStop_StOpModePrev_Cnt_M_enum	3	3	✓
StrtStop_StOpMode_Cnt_M_enum	3	3	✓
StrtStop_StopModeTimer1_mS_M_u32	4210780672	4210780672	✓
StrtStop_StopModeTimer2_mS_M_u32	85150	85150	✓
target_StrtStop_Per1_SSScale_Uls_f32.value	0.5	0.5 ± 0.0001	✓
target_StrtStop_Per1_SSSlew_UlspS_f32.value	399.0867	399.0867 ± 0.1	✓
target_StrtStop_Per1_SSState_State_enum.value	3	3	✓

## Test Step Call Trace

Actual Function	Count	Expected Function	Count	Result
GetSystemTime_mS_u32	1	GetSystemTime_mS_u32	1	✓
PreviousStCalc	1	PreviousStCalc	1	✓
SlewRateCalc	1	SlewRateCalc	1	✓

# TEST DETAILS REPORT

2016-07-18, 16:07:36+0530



StrtStop\_Per1

## Test Step 2.67 (Repeat Count = 1)

Name	Input Value
DtrmnElapsedTime_mS_u32(ElapsedTime)	target_DtrmnElapsedTime_mS_u32_ElapsedTime
GetSystemTime_mS_u32(CurrentTime)	target_GetSystemTime_mS_u32_CurrentTime
Rte_Inst_Ap_GMStrtStop	target_Rte_Inst_Ap_GMStrtStop
StrtStop_SSScale_Uls_M_f32	1
StrtStop_SSSlewRatePrev_UlspS_M_f32	92.6941986
StrtStop_StOpModePrevPrev_Cnt_M_enum	4
StrtStop_StOpModePrev_Cnt_M_enum	5
StrtStop_StOpMode_Cnt_M_enum	3
StrtStop_StopModeTimer1_mS_M_u32	1557431552
StrtStop_StopModeTimer2_mS_M_u32	1915505408
k_AlgEnable_Cnt_lgc	1
k_FltRspRampDnRt_UlspS_f32	233.862701
k_Mode1AssistDD_Uls_f32	1
k_Mode1AssistSlew_UlspS_f32	161.605499
k_Mode1EngTransThresh_Rpm_f32	10000.1621
k_Mode1VehSpdTransThresh_Kph_f32	38.0056
k_Mode2AssistDD_Uls_f32	0.882000029
k_Mode2AssistSlew_UlspS_f32	312.058594
k_Mode2VehSpdTransThresh_Kph_f32	76.6316986
k_NormalModeAssistSlew_UlspS_f32	149.038498
k_NormalModeEngTransThresh_Rpm_f32	7798.03174
k_NormalModeVehSpdTransThresh_Kph_f32	0
k_StopMode1AssistSlew_UlspS_f32	247.363205
k_StopMode1HwTrqTransThresh_HwNm_f32	1.26300001
k_StopMode1HwVelTransThresh_HwDegpS_f32	155.097595
k_StopMode1Timer_Sec_u16	4
k_StopMode1VehSpdTransThresh_Kph_f32	165.900406
k_StopMode2AssistSlew_UlspS_f32	256.004608
k_StopMode2HwTrqTransThresh_HwNm_f32	8.98770046
k_StopMode2HwVelTransThresh_HwDegpS_f32	191.224792
k_StopMode2Timer_Sec_u16	0
k_StopMode2VehSpdTransThresh_Kph_f32	21.4480991
k_StopModeAssistDD_Uls_f32	1
target_DtrmnElapsedTime_mS_u32_ElapsedTime	331950
target_GetSystemTime_mS_u32_CurrentTime	86500
target_Rte_Inst_Ap_GMStrtStop.StrtStop_Per1_APASState_State_enum	target_StrtStop_Per1_APASState_State_enum
target_Rte_Inst_Ap_GMStrtStop.StrtStop_Per1_EngSpd_Rpm_f32	target_StrtStop_Per1_EngSpd_Rpm_f32
target_Rte_Inst_Ap_GMStrtStop.StrtStop_Per1_HandwheelVelocity_HwRadpS_f32	target_StrtStop_Per1_HandwheelVelocity_HwRadpS_f32
target_Rte_Inst_Ap_GMStrtStop.StrtStop_Per1_HwTorque_HwNm_f32	target_StrtStop_Per1_HwTorque_HwNm_f32
target_Rte_Inst_Ap_GMStrtStop.StrtStop_Per1_SS12VFault_Cnt_lgc	target_StrtStop_Per1_SS12VFault_Cnt_lgc
target_Rte_Inst_Ap_GMStrtStop.StrtStop_Per1_SSScale_Uls_f32	target_StrtStop_Per1_SSScale_Uls_f32
target_Rte_Inst_Ap_GMStrtStop.StrtStop_Per1_SSSlew_UlspS_f32	target_StrtStop_Per1_SSSlew_UlspS_f32
target_Rte_Inst_Ap_GMStrtStop.StrtStop_Per1_SSState_State_enum	target_StrtStop_Per1_SSState_State_enum
target_Rte_Inst_Ap_GMStrtStop.StrtStop_Per1_VehicleSpeed_Kph_f32	target_StrtStop_Per1_VehicleSpeed_Kph_f32
target_StrtStop_Per1_APASState_State_enum.value	3
target_StrtStop_Per1_EngSpd_Rpm_f32.value	473.286285
target_StrtStop_Per1_HandwheelVelocity_HwRadpS_f32.value	95.5185013
target_StrtStop_Per1_HwTorque_HwNm_f32.value	10
target_StrtStop_Per1_SS12VFault_Cnt_lgc.value	0
target_StrtStop_Per1_VehicleSpeed_Kph_f32.value	166.362

Name	Actual Value	Expected Value	Result
StrtStop_SSScale_Uls_M_f32	1	1	✓
StrtStop_SSSlewRatePrev_UlspS_M_f32	1	1 ± 0.1	✓
StrtStop_StOpModePrevPrev_Cnt_M_enum	5	5	✓
StrtStop_StOpModePrev_Cnt_M_enum	0	0	✓
StrtStop_StOpMode_Cnt_M_enum	0	0	✓
StrtStop_StopModeTimer1_mS_M_u32	1557431552	1557431552	✓
StrtStop_StopModeTimer2_mS_M_u32	1915505408	1915505408	✓
target_StrtStop_Per1_SSScale_Uls_f32.value	1	1 ± 0.0001	✓
target_StrtStop_Per1_SSSlew_UlspS_f32.value	1	1 ± 0.1	✓
target_StrtStop_Per1_SSState_State_enum.value	0	0	✓

## Test Step Call Trace

Actual Function	Count	Expected Function	Count	Result
DtrmnElapsedTime_mS_u32	1	DtrmnElapsedTime_mS_u32	1	✓
PreviousStCalc	1	PreviousStCalc	1	✓
SlewRateCalc	1	SlewRateCalc	1	✓



# TEST DETAILS REPORT

2016-07-18, 16:07:36+0530



StrtStop\_Per1

Test Step 2.68 (Repeat Count = 1)				
Name	Input Value			
DtrmnElapsedTime_mS_u32(ElapsedTime)	target_DtrmnElapsedTime_mS_u32_ElapsedTime			
GetSystemTime_mS_u32(CurrentTime)	target_GetSystemTime_mS_u32_CurrentTime			
Rte_Inst_Ap_GMStrtStop	target_Rte_Inst_Ap_GMStrtStop			
StrtStop_SSScale_Uls_M_f32	0.254400015			
StrtStop_SSSlewRatePrev_UlspS_M_f32	28.9195004			
StrtStop_StOpModePrevPrev_Cnt_M_enum	5			
StrtStop_StOpModePrev_Cnt_M_enum	1			
StrtStop_StOpMode_Cnt_M_enum	3			
StrtStop_StopModeTimer1_mS_M_u32	2440377344			
StrtStop_StopModeTimer2_mS_M_u32	1342562816			
k_AlgEnable_Cnt_lgc	1			
k_FltRspRampDnRt_UlspS_f32	174.674301			
k_Mode1AssistDD_Uls_f32	0.670400023			
k_Mode1AssistSlew_UlspS_f32	121.368401			
k_Mode1EngTransThresh_Rpm_f32	2777.70532			
k_Mode1VehSpdTransThresh_Kph_f32	120.925201			
k_Mode2AssistDD_Uls_f32	1			
k_Mode2AssistSlew_UlspS_f32	405.828094			
k_Mode2VehSpdTransThresh_Kph_f32	40.1088982			
k_NormalModeAssistSlew_UlspS_f32	114.311203			
k_NormalModeEngTransThresh_Rpm_f32	4393.86719			
k_NormalModeVehSpdTransThresh_Kph_f32	200			
k_StopMode1AssistSlew_UlspS_f32	189.814697			
k_StopMode1HwTrqTransThresh_HwNm_f32	2.41779995			
k_StopMode1HwVelTransThresh_HwDegpS_f32	211.332993			
k_StopMode1Timer_Sec_u16	2			
k_StopMode1VehSpdTransThresh_Kph_f32	12.6588001			
k_StopMode2AssistSlew_UlspS_f32	409.326691			
k_StopMode2HwTrqTransThresh_HwNm_f32	7.92110014			
k_StopMode2HwVelTransThresh_HwDegpS_f32	157.520706			
k_StopMode2Timer_Sec_u16	3			
k_StopMode2VehSpdTransThresh_Kph_f32	117.746902			
k_StopModeAssistDD_Uls_f32	0.269400001			
target_DtrmnElapsedTime_mS_u32_ElapsedTime	337100			
target_GetSystemTime_mS_u32_CurrentTime	87850			
target_Rte_Inst_Ap_GMStrtStop.StrtStop_Per1_APASState_State_enum	target_StrtStop_Per1_APASState_State_enum			
target_Rte_Inst_Ap_GMStrtStop.StrtStop_Per1_EngSpd_Rpm_f32	target_StrtStop_Per1_EngSpd_Rpm_f32			
target_Rte_Inst_Ap_GMStrtStop.StrtStop_Per1_HandwheelVelocity_HwRadpS_f32	target_StrtStop_Per1_HandwheelVelocity_HwRadpS_f32			
target_Rte_Inst_Ap_GMStrtStop.StrtStop_Per1_HwTorque_HwNm_f32	target_StrtStop_Per1_HwTorque_HwNm_f32			
target_Rte_Inst_Ap_GMStrtStop.StrtStop_Per1_SS12VFault_Cnt_lgc	target_StrtStop_Per1_SS12VFault_Cnt_lgc			
target_Rte_Inst_Ap_GMStrtStop.StrtStop_Per1_SSScale_Uls_f32	target_StrtStop_Per1_SSScale_Uls_f32			
target_Rte_Inst_Ap_GMStrtStop.StrtStop_Per1_SSSlew_UlspS_f32	target_StrtStop_Per1_SSSlew_UlspS_f32			
target_Rte_Inst_Ap_GMStrtStop.StrtStop_Per1_SSState_State_enum	target_StrtStop_Per1_SSState_State_enum			
target_Rte_Inst_Ap_GMStrtStop.StrtStop_Per1_VehicleSpeed_Kph_f32	target_StrtStop_Per1_VehicleSpeed_Kph_f32			
target_StrtStop_Per1_APASState_State_enum.value	2			
target_StrtStop_Per1_EngSpd_Rpm_f32.value	5659.15527			
target_StrtStop_Per1_HandwheelVelocity_HwRadpS_f32.value	61.6576996			
target_StrtStop_Per1_HwTorque_HwNm_f32.value	8.31449986			
target_StrtStop_Per1_SS12VFault_Cnt_lgc.value	0			
target_StrtStop_Per1_VehicleSpeed_Kph_f32.value	111.357002			
Name	Actual Value	Expected Value	Result	
StrtStop_SSScale_Uls_M_f32	1	1	✓	
StrtStop_SSSlewRatePrev_UlspS_M_f32	28.9195004	28.9195004 ± 0.1	✓	
StrtStop_StOpModePrevPrev_Cnt_M_enum	1	1	✓	
StrtStop_StOpModePrev_Cnt_M_enum	0	0	✓	
StrtStop_StOpMode_Cnt_M_enum	0	0	✓	
StrtStop_StopModeTimer1_mS_M_u32	2440377344	2440377344	✓	
StrtStop_StopModeTimer2_mS_M_u32	1342562816	1342562816	✓	
target_StrtStop_Per1_SSScale_Uls_f32.value	1	1 ± 0.0001	✓	
target_StrtStop_Per1_SSSlew_UlspS_f32.value	28.9195004	28.9195004 ± 0.1	✓	
target_StrtStop_Per1_SSState_State_enum.value	0	0	✓	

Test Step Call Trace				
Actual Function	Count	Expected Function	Count	Result
DtrmnElapsedTime_mS_u32	1	DtrmnElapsedTime_mS_u32	1	✓
PreviousStCalc	1	PreviousStCalc	1	✓
SlewRateCalc	1	SlewRateCalc	1	✓



# TEST DETAILS REPORT

2016-07-18, 16:07:36+0530



StrtStop\_Per1

Test Step 2.69 (Repeat Count = 1) ✓				
Name	Input Value			
DtrmnElapsedTime_mS_u32(ElapsedTime)	target_DtrmnElapsedTime_mS_u32_ElapsedTime			
GetSystemTime_mS_u32(CurrentTime)	target_GetSystemTime_mS_u32_CurrentTime			
Rte_Inst_Ap_GMStrtStop	target_Rte_Inst_Ap_GMStrtStop			
StrtStop_SSScale_Uls_M_f32	0.300900012			
StrtStop_SSSlewRatePrev_UlspS_M_f32	123.359497			
StrtStop_StOpModePrevPrev_Cnt_M_enum	0			
StrtStop_StOpModePrev_Cnt_M_enum	2			
StrtStop_StOpMode_Cnt_M_enum	3			
StrtStop_StopModeTimer1_mS_M_u32	2500798208			
StrtStop_StopModeTimer2_mS_M_u32	3180666112			
k_AlgEnable_Cnt_lgc	1			
k_FltRspRampDnRt_UlspS_f32	357.589691			
k_Mode1AssistDD_Uls_f32	0.519500017			
k_Mode1AssistSlew_UlspS_f32	263.327393			
k_Mode1EngTransThresh_Rpm_f32	8107.32715			
k_Mode1VehSpdTransThresh_Kph_f32	13.7768002			
k_Mode2AssistDD_Uls_f32	0.334899992			
k_Mode2AssistSlew_UlspS_f32	333.115997			
k_Mode2VehSpdTransThresh_Kph_f32	75.6641006			
k_NormalModeAssistSlew_UlspS_f32	168.323593			
k_NormalModeEngTransThresh_Rpm_f32	3892.87061			
k_NormalModeVehSpdTransThresh_Kph_f32	12			
k_StopMode1AssistSlew_UlspS_f32	20.0174999			
k_StopMode1HwTrqTransThresh_HwNm_f32	9.93120003			
k_StopMode1HwVelTransThresh_HwDegpS_f32	67.0008011			
k_StopMode1Timer_Sec_u16	4			
k_StopMode1VehSpdTransThres_Kph_f32	140.446503			
k_StopMode2AssistSlew_UlspS_f32	2.64840007			
k_StopMode2HwTrqTransThresh_HwNm_f32	2.26340008			
k_StopMode2HwVelTransThresh_HwDegpS_f32	221.604996			
k_StopMode2Timer_Sec_u16	5			
k_StopMode2VehSpdTransThresh_Kph_f32	131.613998			
k_StopModeAssistDD_Uls_f32	1			
target_DtrmnElapsedTime_mS_u32_ElapsedTime	342250			
target_GetSystemTime_mS_u32_CurrentTime	89200			
target_Rte_Inst_Ap_GMStrtStop.StrtStop_Per1_APASState_State_enum	target_StrtStop_Per1_APASState_State_enum			
target_Rte_Inst_Ap_GMStrtStop.StrtStop_Per1_EngSpd_Rpm_f32	target_StrtStop_Per1_EngSpd_Rpm_f32			
target_Rte_Inst_Ap_GMStrtStop.StrtStop_Per1_HandwheelVelocity_HwRadpS_f32	target_StrtStop_Per1_HandwheelVelocity_HwRadpS_f32			
target_Rte_Inst_Ap_GMStrtStop.StrtStop_Per1_HwTorque_HwNm_f32	target_StrtStop_Per1_HwTorque_HwNm_f32			
target_Rte_Inst_Ap_GMStrtStop.StrtStop_Per1_SS12VFault_Cnt_lgc	target_StrtStop_Per1_SS12VFault_Cnt_lgc			
target_Rte_Inst_Ap_GMStrtStop.StrtStop_Per1_SSScale_Uls_f32	target_StrtStop_Per1_SSScale_Uls_f32			
target_Rte_Inst_Ap_GMStrtStop.StrtStop_Per1_SSSlew_UlspS_f32	target_StrtStop_Per1_SSSlew_UlspS_f32			
target_Rte_Inst_Ap_GMStrtStop.StrtStop_Per1_SSState_State_enum	target_StrtStop_Per1_SSState_State_enum			
target_Rte_Inst_Ap_GMStrtStop.StrtStop_Per1_VehicleSpeed_Kph_f32	target_StrtStop_Per1_VehicleSpeed_Kph_f32			
target_StrtStop_Per1_APASState_State_enum.value	1			
target_StrtStop_Per1_EngSpd_Rpm_f32.value	8973.41211			
target_StrtStop_Per1_HandwheelVelocity_HwRadpS_f32.value	35.6399994			
target_StrtStop_Per1_HwTorque_HwNm_f32.value	2.21160007			
target_StrtStop_Per1_SS12VFault_Cnt_lgc.value	0			
target_StrtStop_Per1_VehicleSpeed_Kph_f32.value	121.978203			
Name	Actual Value	Expected Value	Result	
StrtStop_SSScale_Uls_M_f32	1	1	✓	
StrtStop_SSSlewRatePrev_UlspS_M_f32	168.323593	168.323593 ± 0.1	✓	
StrtStop_StOpModePrevPrev_Cnt_M_enum	2	2	✓	
StrtStop_StOpModePrev_Cnt_M_enum	0	0	✓	
StrtStop_StOpMode_Cnt_M_enum	0	0	✓	
StrtStop_StopModeTimer1_mS_M_u32	2500798208	2500798208	✓	
StrtStop_StopModeTimer2_mS_M_u32	3180666112	3180666112	✓	
target_StrtStop_Per1_SSScale_Uls_f32.value	1	1 ± 0.0001	✓	
target_StrtStop_Per1_SSSlew_UlspS_f32.value	168.323593	168.323593 ± 0.1	✓	
target_StrtStop_Per1_SSState_State_enum.value	0	0	✓	

Test Step Call Trace ✓				
Actual Function	Count	Expected Function	Count	Result
DtrmnElapsedTime_mS_u32	1	DtrmnElapsedTime_mS_u32	1	✓
PreviousStCalc	1	PreviousStCalc	1	✓
SlewRateCalc	1	SlewRateCalc	1	✓

# TEST DETAILS REPORT

2016-07-18, 16:07:36+0530



StrtStop\_Per1

Test Step 2.70 (Repeat Count = 1)				
Name	Input Value			
DtrmnElapsedTime_mS_u32(ElapsedTime)	target_DtrmnElapsedTime_mS_u32_ElapsedTime			
GetSystemTime_mS_u32(CurrentTime)	target_GetSystemTime_mS_u32_CurrentTime			
Rte_Inst_Ap_GMStrtStop	target_Rte_Inst_Ap_GMStrtStop			
StrtStop_SSScale_Uls_M_f32	0.539900005			
StrtStop_SSSlewRatePrev_UlspS_M_f32	99.3861008			
StrtStop_StOpModePrevPrev_Cnt_M_enum	4			
StrtStop_StOpModePrev_Cnt_M_enum	2			
StrtStop_StOpMode_Cnt_M_enum	3			
StrtStop_StopModeTimer1_mS_M_u32	2513260032			
StrtStop_StopModeTimer2_mS_M_u32	3482545152			
k_AlgEnable_Cnt_lgc	1			
k_FltRspRampDnRt_UlspS_f32	262.386597			
k_Mode1AssistDD_Uls_f32	0.246600002			
k_Mode1AssistSlew_UlspS_f32	493.750488			
k_Mode1EngTransThresh_Rpm_f32	7338.1582			
k_Mode1VehSpdTransThresh_Kph_f32	199.328598			
k_Mode2AssistDD_Uls_f32	1			
k_Mode2AssistSlew_UlspS_f32	144.6073			
k_Mode2VehSpdTransThresh_Kph_f32	178.4758			
k_NormalModeAssistSlew_UlspS_f32	375.938599			
k_NormalModeEngTransThresh_Rpm_f32	11935.1592			
k_NormalModeVehSpdTransThresh_Kph_f32	186.938599			
k_StopMode1AssistSlew_UlspS_f32	22.7310009			
k_StopMode1HwTrqTransThresh_HwNm_f32	8.77000046			
k_StopMode1HwVelTransThresh_HwDegpS_f32	34.6884003			
k_StopMode1Timer_Sec_u16	2			
k_StopMode1VehSpdTransThres_Kph_f32	137.332199			
k_StopMode2AssistSlew_UlspS_f32	29.7133999			
k_StopMode2HwTrqTransThresh_HwNm_f32	6.62190008			
k_StopMode2HwVelTransThresh_HwDegpS_f32	124.748596			
k_StopMode2Timer_Sec_u16	0			
k_StopMode2VehSpdTransThresh_Kph_f32	0			
k_StopModeAssistDD_Uls_f32	0.802699983			
target_DtrmnElapsedTime_mS_u32_ElapsedTime	347400			
target_GetSystemTime_mS_u32_CurrentTime	90550			
target_Rte_Inst_Ap_GMStrtStop.StrtStop_Per1_APASState_State_enum	target_StrtStop_Per1_APASState_State_enum			
target_Rte_Inst_Ap_GMStrtStop.StrtStop_Per1_EngSpd_Rpm_f32	target_StrtStop_Per1_EngSpd_Rpm_f32			
target_Rte_Inst_Ap_GMStrtStop.StrtStop_Per1_HandwheelVelocity_HwRadpS_f32	target_StrtStop_Per1_HandwheelVelocity_HwRadpS_f32			
target_Rte_Inst_Ap_GMStrtStop.StrtStop_Per1_HwTorque_HwNm_f32	target_StrtStop_Per1_HwTorque_HwNm_f32			
target_Rte_Inst_Ap_GMStrtStop.StrtStop_Per1_SS12VFault_Cnt_lgc	target_StrtStop_Per1_SS12VFault_Cnt_lgc			
target_Rte_Inst_Ap_GMStrtStop.StrtStop_Per1_SSScale_Uls_f32	target_StrtStop_Per1_SSScale_Uls_f32			
target_Rte_Inst_Ap_GMStrtStop.StrtStop_Per1_SSSlew_UlspS_f32	target_StrtStop_Per1_SSSlew_UlspS_f32			
target_Rte_Inst_Ap_GMStrtStop.StrtStop_Per1_SSState_State_enum	target_StrtStop_Per1_SSState_State_enum			
target_Rte_Inst_Ap_GMStrtStop.StrtStop_Per1_VehicleSpeed_Kph_f32	target_StrtStop_Per1_VehicleSpeed_Kph_f32			
target_StrtStop_Per1_APASState_State_enum.value	2			
target_StrtStop_Per1_EngSpd_Rpm_f32.value	0			
target_StrtStop_Per1_HandwheelVelocity_HwRadpS_f32.value	81.9309998			
target_StrtStop_Per1_HwTorque_HwNm_f32.value	5.31759977			
target_StrtStop_Per1_SS12VFault_Cnt_lgc.value	0			
target_StrtStop_Per1_VehicleSpeed_Kph_f32.value	0			
Name	Actual Value	Expected Value	Result	
StrtStop_SSScale_Uls_M_f32	1	1	✓	
StrtStop_SSSlewRatePrev_UlspS_M_f32	99.3861008	99.3861008 ± 0.1	✓	
StrtStop_StOpModePrevPrev_Cnt_M_enum	2	2	✓	
StrtStop_StOpModePrev_Cnt_M_enum	3	3	✓	
StrtStop_StOpMode_Cnt_M_enum	3	3	✓	
StrtStop_StopModeTimer1_mS_M_u32	2513260032	2513260032	✓	
StrtStop_StopModeTimer2_mS_M_u32	3482545152	3482545152	✓	
target_StrtStop_Per1_SSScale_Uls_f32.value	1	1 ± 0.0001	✓	
target_StrtStop_Per1_SSSlew_UlspS_f32.value	99.3861008	99.3861008 ± 0.1	✓	
target_StrtStop_Per1_SSState_State_enum.value	3	3	✓	

Test Step Call Trace				
Actual Function	Count	Expected Function	Count	Result
DtrmnElapsedTime_mS_u32	1	DtrmnElapsedTime_mS_u32	1	✓
PreviousStCalc	1	PreviousStCalc	1	✓
SlewRateCalc	1	SlewRateCalc	1	✓

# TEST DETAILS REPORT

2016-07-18, 16:07:36+0530



StrtStop\_Per1

Test Step 2.71 (Repeat Count = 1) ✓				
Name	Input Value			
DtrmnElapsedTime_mS_u32(ElapsedTime)	target_DtrmnElapsedTime_mS_u32_ElapsedTime			
GetSystemTime_mS_u32(CurrentTime)	target_GetSystemTime_mS_u32_CurrentTime			
Rte_Inst_Ap_GMStrtStop	target_Rte_Inst_Ap_GMStrtStop			
StrtStop_SSScale_Uls_M_f32	0.063000001			
StrtStop_SSSlewRatePrev_UlspS_M_f32	488.985291			
StrtStop_StOpModePrevPrev_Cnt_M_enum	1			
StrtStop_StOpModePrev_Cnt_M_enum	1			
StrtStop_StOpMode_Cnt_M_enum	3			
StrtStop_StopModeTimer1_mS_M_u32	2700007680			
StrtStop_StopModeTimer2_mS_M_u32	966033152			
k_AlgEnable_Cnt_lgc	1			
k_FltRspRampDnRt_UlspS_f32	283.084991			
k_Mode1AssistDD_Uls_f32	1			
k_Mode1AssistSlew_UlspS_f32	181.549805			
k_Mode1EngTransThresh_Rpm_f32	16212.9658			
k_Mode1VehSpdTransThresh_Kph_f32	188.540802			
k_Mode2AssistDD_Uls_f32	0.66079998			
k_Mode2AssistSlew_UlspS_f32	270.837006			
k_Mode2VehSpdTransThresh_Kph_f32	83.2966003			
k_NormalModeAssistSlew_UlspS_f32	491.205688			
k_NormalModeEngTransThresh_Rpm_f32	12224.4102			
k_NormalModeVehSpdTransThresh_Kph_f32	67.4773026			
k_StopMode1AssistSlew_UlspS_f32	125.843803			
k_StopMode1HwTrqTransThresh_HwNm_f32	5.17920017			
k_StopMode1HwVelTransThresh_HwDegpS_f32	194.115097			
k_StopMode1Timer_Sec_u16	0			
k_StopMode1VehSpdTransThres_Kph_f32	48.6164017			
k_StopMode2AssistSlew_UlspS_f32	115.046799			
k_StopMode2HwTrqTransThresh_HwNm_f32	5.9527998			
k_StopMode2HwVelTransThresh_HwDegpS_f32	176.190598			
k_StopMode2Timer_Sec_u16	1			
k_StopMode2VehSpdTransThresh_Kph_f32	200			
k_StopModeAssistDD_Uls_f32	0.332599998			
target_DtrmnElapsedTime_mS_u32_ElapsedTime	352550			
target_GetSystemTime_mS_u32_CurrentTime	91900			
target_Rte_Inst_Ap_GMStrtStop.StrtStop_Per1_APASState_State_enum	target_StrtStop_Per1_APASState_State_enum			
target_Rte_Inst_Ap_GMStrtStop.StrtStop_Per1_EngSpd_Rpm_f32	target_StrtStop_Per1_EngSpd_Rpm_f32			
target_Rte_Inst_Ap_GMStrtStop.StrtStop_Per1_HandwheelVelocity_HwRadpS_f32	target_StrtStop_Per1_HandwheelVelocity_HwRadpS_f32			
target_Rte_Inst_Ap_GMStrtStop.StrtStop_Per1_HwTorque_HwNm_f32	target_StrtStop_Per1_HwTorque_HwNm_f32			
target_Rte_Inst_Ap_GMStrtStop.StrtStop_Per1_SS12VFault_Cnt_lgc	target_StrtStop_Per1_SS12VFault_Cnt_lgc			
target_Rte_Inst_Ap_GMStrtStop.StrtStop_Per1_SSScale_Uls_f32	target_StrtStop_Per1_SSScale_Uls_f32			
target_Rte_Inst_Ap_GMStrtStop.StrtStop_Per1_SSSlew_UlspS_f32	target_StrtStop_Per1_SSSlew_UlspS_f32			
target_Rte_Inst_Ap_GMStrtStop.StrtStop_Per1_SSState_State_enum	target_StrtStop_Per1_SSState_State_enum			
target_Rte_Inst_Ap_GMStrtStop.StrtStop_Per1_VehicleSpeed_Kph_f32	target_StrtStop_Per1_VehicleSpeed_Kph_f32			
target_StrtStop_Per1_APASState_State_enum.value	0			
target_StrtStop_Per1_EngSpd_Rpm_f32.value	0			
target_StrtStop_Per1_HandwheelVelocity_HwRadpS_f32.value	76.0317001			
target_StrtStop_Per1_HwTorque_HwNm_f32.value	-6.95499992			
target_StrtStop_Per1_SS12VFault_Cnt_lgc.value	0			
target_StrtStop_Per1_VehicleSpeed_Kph_f32.value	0			
Name	Actual Value	Expected Value	Result	
StrtStop_SSScale_Uls_M_f32	0.063000001	0.063000001	✓	
StrtStop_SSSlewRatePrev_UlspS_M_f32	283.084991	283.084991 ± 0.1	✓	
StrtStop_StOpModePrevPrev_Cnt_M_enum	1	1	✓	
StrtStop_StOpModePrev_Cnt_M_enum	3	3	✓	
StrtStop_StOpMode_Cnt_M_enum	3	3	✓	
StrtStop_StopModeTimer1_mS_M_u32	2700007680	2700007680	✓	
StrtStop_StopModeTimer2_mS_M_u32	966033152	966033152	✓	
target_StrtStop_Per1_SSScale_Uls_f32.value	0.063000001	0.063000001 ± 0.0001	✓	
target_StrtStop_Per1_SSSlew_UlspS_f32.value	283.084991	283.084991 ± 0.1	✓	
target_StrtStop_Per1_SSState_State_enum.value	3	3	✓	

Test Step Call Trace ✓				
Actual Function	Count	Expected Function	Count	Result
DtrmnElapsedTime_mS_u32	1	DtrmnElapsedTime_mS_u32	1	✓
PreviousStCalc	1	PreviousStCalc	1	✓
SlewRateCalc	1	SlewRateCalc	1	✓

# TEST DETAILS REPORT

2016-07-18, 16:07:36+0530



StrtStop\_Per1

Test Step 2.72 (Repeat Count = 1)				
Name	Input Value			
DtrmnElapsedTime_mS_u32(ElapsedTime)	target_DtrmnElapsedTime_mS_u32_ElapsedTime			
GetSystemTime_mS_u32(CurrentTime)	target_GetSystemTime_mS_u32_CurrentTime			
Rte_Inst_Ap_GMStrtStop	target_Rte_Inst_Ap_GMStrtStop			
StrtStop_SSScale_Uls_M_f32	0.648199975			
StrtStop_SSSlewRatePrev_UlspS_M_f32	88.9945984			
StrtStop_StOpModePrevPrev_Cnt_M_enum	1			
StrtStop_StOpModePrev_Cnt_M_enum	5			
StrtStop_StOpMode_Cnt_M_enum	3			
StrtStop_StopModeTimer1_mS_M_u32	3346413568			
StrtStop_StopModeTimer2_mS_M_u32	194856448			
k_AlgEnable_Cnt_lgc	1			
k_FltRspRampDnRt_UlspS_f32	233.065994			
k_Mode1AssistDD_Uls_f32	0.715499997			
k_Mode1AssistSlew_UlspS_f32	450.539886			
k_Mode1EngTransThresh_Rpm_f32	9824.46875			
k_Mode1VehSpdTransThresh_Kph_f32	178.738907			
k_Mode2AssistDD_Uls_f32	1			
k_Mode2AssistSlew_UlspS_f32	176.930893			
k_Mode2VehSpdTransThresh_Kph_f32	18.0042			
k_NormalModeAssistSlew_UlspS_f32	404.261993			
k_NormalModeEngTransThresh_Rpm_f32	2623.25879			
k_NormalModeVehSpdTransThresh_Kph_f32	187.504898			
k_StopMode1AssistSlew_UlspS_f32	202.789093			
k_StopMode1HwTrqTransThresh_HwNm_f32	8.98719978			
k_StopMode1HwVelTransThresh_HwDegpS_f32	14.6787004			
k_StopMode1Timer_Sec_u16	1			
k_StopMode1VehSpdTransThres_Kph_f32	93.8772964			
k_StopMode2AssistSlew_UlspS_f32	79.5047989			
k_StopMode2HwTrqTransThresh_HwNm_f32	3.05299997			
k_StopMode2HwVelTransThresh_HwDegpS_f32	96.0586014			
k_StopMode2Timer_Sec_u16	3			
k_StopMode2VehSpdTransThresh_Kph_f32	5			
k_StopModeAssistDD_Uls_f32	0.165199995			
target_DtrmnElapsedTime_mS_u32_ElapsedTime	357700			
target_GetSystemTime_mS_u32_CurrentTime	93250			
target_Rte_Inst_Ap_GMStrtStop.StrtStop_Per1_APASState_State_enum	target_StrtStop_Per1_APASState_State_enum			
target_Rte_Inst_Ap_GMStrtStop.StrtStop_Per1_EngSpd_Rpm_f32	target_StrtStop_Per1_EngSpd_Rpm_f32			
target_Rte_Inst_Ap_GMStrtStop.StrtStop_Per1_HandwheelVelocity_HwRadpS_f32	target_StrtStop_Per1_HandwheelVelocity_HwRadpS_f32			
target_Rte_Inst_Ap_GMStrtStop.StrtStop_Per1_HwTorque_HwNm_f32	target_StrtStop_Per1_HwTorque_HwNm_f32			
target_Rte_Inst_Ap_GMStrtStop.StrtStop_Per1_SS12VFault_Cnt_lgc	target_StrtStop_Per1_SS12VFault_Cnt_lgc			
target_Rte_Inst_Ap_GMStrtStop.StrtStop_Per1_SSScale_Uls_f32	target_StrtStop_Per1_SSScale_Uls_f32			
target_Rte_Inst_Ap_GMStrtStop.StrtStop_Per1_SSSlew_UlspS_f32	target_StrtStop_Per1_SSSlew_UlspS_f32			
target_Rte_Inst_Ap_GMStrtStop.StrtStop_Per1_SSState_State_enum	target_StrtStop_Per1_SSState_State_enum			
target_Rte_Inst_Ap_GMStrtStop.StrtStop_Per1_VehicleSpeed_Kph_f32	target_StrtStop_Per1_VehicleSpeed_Kph_f32			
target_StrtStop_Per1_APASState_State_enum.value	0			
target_StrtStop_Per1_EngSpd_Rpm_f32.value	0			
target_StrtStop_Per1_HandwheelVelocity_HwRadpS_f32.value	-16.2537003			
target_StrtStop_Per1_HwTorque_HwNm_f32.value	-4.58640003			
target_StrtStop_Per1_SS12VFault_Cnt_lgc.value	0			
target_StrtStop_Per1_VehicleSpeed_Kph_f32.value	0			
Name	Actual Value	Expected Value	Result	
StrtStop_SSScale_Uls_M_f32	0.648199975	0.648199975	✓	
StrtStop_SSSlewRatePrev_UlspS_M_f32	1	1 ± 0.1	✓	
StrtStop_StOpModePrevPrev_Cnt_M_enum	5	5	✓	
StrtStop_StOpModePrev_Cnt_M_enum	3	3	✓	
StrtStop_StOpMode_Cnt_M_enum	3	3	✓	
StrtStop_StopModeTimer1_mS_M_u32	3346413568	3346413568	✓	
StrtStop_StopModeTimer2_mS_M_u32	194856448	194856448	✓	
target_StrtStop_Per1_SSScale_Uls_f32.value	0.648199975	0.648199975 ± 0.0001	✓	
target_StrtStop_Per1_SSSlew_UlspS_f32.value	1	1 ± 0.1	✓	
target_StrtStop_Per1_SSState_State_enum.value	3	3	✓	

Test Step Call Trace				
Actual Function	Count	Expected Function	Count	Result
DtrmnElapsedTime_mS_u32	1	DtrmnElapsedTime_mS_u32	1	✓
PreviousStCalc	1	PreviousStCalc	1	✓
SlewRateCalc	1	SlewRateCalc	1	✓

# TEST DETAILS REPORT

2016-07-18, 16:07:36+0530



StrtStop\_Per1

## Test Step 2.73 (Repeat Count = 1)

Name	Input Value
DtrmnElapsedTime_mS_u32(ElapsedTime)	target_DtrmnElapsedTime_mS_u32_ElapsedTime
GetSystemTime_mS_u32(CurrentTime)	target_GetSystemTime_mS_u32_CurrentTime
Rte_Inst_Ap_GMStrtStop	target_Rte_Inst_Ap_GMStrtStop
StrtStop_SSScale_Uls_M_f32	1
StrtStop_SSSlewRatePrev_UlspS_M_f32	328.714691
StrtStop_StOpModePrevPrev_Cnt_M_enum	0
StrtStop_StOpModePrev_Cnt_M_enum	3
StrtStop_StOpMode_Cnt_M_enum	3
StrtStop_StopModeTimer1_mS_M_u32	740039424
StrtStop_StopModeTimer2_mS_M_u32	2506027264
k_AlgEnable_Cnt_lgc	1
k_FltRspRampDnRt_UlspS_f32	190.363403
k_Mode1AssistDD_Uls_f32	1
k_Mode1AssistSlew_UlspS_f32	237.624207
k_Mode1EngTransThresh_Rpm_f32	12316.1953
k_Mode1VehSpdTransThresh_Kph_f32	171.328094
k_Mode2AssistDD_Uls_f32	1
k_Mode2AssistSlew_UlspS_f32	199.119202
k_Mode2VehSpdTransThresh_Kph_f32	198.558502
k_NormalModeAssistSlew_UlspS_f32	483.339508
k_NormalModeEngTransThresh_Rpm_f32	11544.8027
k_NormalModeVehSpdTransThresh_Kph_f32	77.6781998
k_StopMode1AssistSlew_UlspS_f32	159.271103
k_StopMode1HwTrqTransThresh_HwNm_f32	4.01879978
k_StopMode1HwVelTransThresh_HwDegpS_f32	205.519104
k_StopMode1Timer_Sec_u16	0
k_StopMode1VehSpdTransThresh_Kph_f32	155.941696
k_StopMode2AssistSlew_UlspS_f32	370.024506
k_StopMode2HwTrqTransThresh_HwNm_f32	6.53639984
k_StopMode2HwVelTransThresh_HwDegpS_f32	0
k_StopMode2Timer_Sec_u16	3
k_StopMode2VehSpdTransThresh_Kph_f32	83.6499023
k_StopModeAssistDD_Uls_f32	1
target_DtrmnElapsedTime_mS_u32_ElapsedTime	362850
target_GetSystemTime_mS_u32_CurrentTime	94600
target_Rte_Inst_Ap_GMStrtStop.StrtStop_Per1_APASState_State_enum	target_StrtStop_Per1_APASState_State_enum
target_Rte_Inst_Ap_GMStrtStop.StrtStop_Per1_EngSpd_Rpm_f32	target_StrtStop_Per1_EngSpd_Rpm_f32
target_Rte_Inst_Ap_GMStrtStop.StrtStop_Per1_HandwheelVelocity_HwRadpS_f32	target_StrtStop_Per1_HandwheelVelocity_HwRadpS_f32
target_Rte_Inst_Ap_GMStrtStop.StrtStop_Per1_HwTorque_HwNm_f32	target_StrtStop_Per1_HwTorque_HwNm_f32
target_Rte_Inst_Ap_GMStrtStop.StrtStop_Per1_SS12VFault_Cnt_lgc	target_StrtStop_Per1_SS12VFault_Cnt_lgc
target_Rte_Inst_Ap_GMStrtStop.StrtStop_Per1_SSScale_Uls_f32	target_StrtStop_Per1_SSScale_Uls_f32
target_Rte_Inst_Ap_GMStrtStop.StrtStop_Per1_SSSlew_UlspS_f32	target_StrtStop_Per1_SSSlew_UlspS_f32
target_Rte_Inst_Ap_GMStrtStop.StrtStop_Per1_SSState_State_enum	target_StrtStop_Per1_SSState_State_enum
target_Rte_Inst_Ap_GMStrtStop.StrtStop_Per1_VehicleSpeed_Kph_f32	target_StrtStop_Per1_VehicleSpeed_Kph_f32
target_StrtStop_Per1_APASState_State_enum.value	0
target_StrtStop_Per1_EngSpd_Rpm_f32.value	0
target_StrtStop_Per1_HandwheelVelocity_HwRadpS_f32.value	-75.2603989
target_StrtStop_Per1_HwTorque_HwNm_f32.value	-9.40680027
target_StrtStop_Per1_SS12VFault_Cnt_lgc.value	0
target_StrtStop_Per1_VehicleSpeed_Kph_f32.value	0

Name	Actual Value	Expected Value	Result
StrtStop_SSScale_Uls_M_f32	1	1	✓
StrtStop_SSSlewRatePrev_UlspS_M_f32	190.363403	190.363403 ± 0.1	✓
StrtStop_StOpModePrevPrev_Cnt_M_enum	0	0	✓
StrtStop_StOpModePrev_Cnt_M_enum	3	3	✓
StrtStop_StOpMode_Cnt_M_enum	3	3	✓
StrtStop_StopModeTimer1_mS_M_u32	740039424	740039424	✓
StrtStop_StopModeTimer2_mS_M_u32	2506027264	2506027264	✓
target_StrtStop_Per1_SSScale_Uls_f32.value	1	1 ± 0.0001	✓
target_StrtStop_Per1_SSSlew_UlspS_f32.value	190.363403	190.363403 ± 0.1	✓
target_StrtStop_Per1_SSState_State_enum.value	3	3	✓

## Test Step Call Trace

Actual Function	Count	Expected Function	Count	Result
DtrmnElapsedTime_mS_u32	1	DtrmnElapsedTime_mS_u32	1	✓
PreviousStCalc	1	PreviousStCalc	1	✓
SlewRateCalc	1	SlewRateCalc	1	✓

# TEST DETAILS REPORT

2016-07-18, 16:07:36+0530



StrtStop\_Per1

Test Step 2.74 (Repeat Count = 1) ✓				
Name	Input Value			
DtrmnElapsedTime_mS_u32(ElapsedTime)	target_DtrmnElapsedTime_mS_u32_ElapsedTime			
GetSystemTime_mS_u32(CurrentTime)	target_GetSystemTime_mS_u32_CurrentTime			
Rte_Inst_Ap_GMStrtStop	target_Rte_Inst_Ap_GMStrtStop			
StrtStop_SSScale_Uls_M_f32	0.479200006			
StrtStop_SSSlewRatePrev_UlspS_M_f32	455.403992			
StrtStop_StOpModePrevPrev_Cnt_M_enum	5			
StrtStop_StOpModePrev_Cnt_M_enum	3			
StrtStop_StOpMode_Cnt_M_enum	3			
StrtStop_StopModeTimer1_mS_M_u32	1702261248			
StrtStop_StopModeTimer2_mS_M_u32	1753608192			
k_AlgEnable_Cnt_lgc	1			
k_FltRspRampDnRt_UlspS_f32	364.543793			
k_Mode1AssistDD_Uls_f32	0.50819999			
k_Mode1AssistSlew_UlspS_f32	315.151703			
k_Mode1EngTransThresh_Rpm_f32	4684.00928			
k_Mode1VehSpdTransThresh_Kph_f32	190.947205			
k_Mode2AssistDD_Uls_f32	1			
k_Mode2AssistSlew_UlspS_f32	128.488098			
k_Mode2VehSpdTransThresh_Kph_f32	92.3014984			
k_NormalModeAssistSlew_UlspS_f32	8.7112999			
k_NormalModeEngTransThresh_Rpm_f32	2439.979			
k_NormalModeVehSpdTransThresh_Kph_f32	45.8270988			
k_StopMode1AssistSlew_UlspS_f32	197.465393			
k_StopMode1HwTrqTransThresh_HwNm_f32	9.87020016			
k_StopMode1HwVelTransThresh_HwDegpS_f32	32.2172012			
k_StopMode1Timer_Sec_u16	3			
k_StopMode1VehSpdTransThresh_Kph_f32	167.644699			
k_StopMode2AssistSlew_UlspS_f32	418.178314			
k_StopMode2HwTrqTransThresh_HwNm_f32	5.5467			
k_StopMode2HwVelTransThresh_HwDegpS_f32	250			
k_StopMode2Timer_Sec_u16	4			
k_StopMode2VehSpdTransThresh_Kph_f32	15.2266998			
k_StopModeAssistDD_Uls_f32	0.494700015			
target_DtrmnElapsedTime_mS_u32_ElapsedTime	368000			
target_GetSystemTime_mS_u32_CurrentTime	95950			
target_Rte_Inst_Ap_GMStrtStop.StrtStop_Per1_APASState_State_enum	target_StrtStop_Per1_APASState_State_enum			
target_Rte_Inst_Ap_GMStrtStop.StrtStop_Per1_EngSpd_Rpm_f32	target_StrtStop_Per1_EngSpd_Rpm_f32			
target_Rte_Inst_Ap_GMStrtStop.StrtStop_Per1_HandwheelVelocity_HwRadpS_f32	target_StrtStop_Per1_HandwheelVelocity_HwRadpS_f32			
target_Rte_Inst_Ap_GMStrtStop.StrtStop_Per1_HwTorque_HwNm_f32	target_StrtStop_Per1_HwTorque_HwNm_f32			
target_Rte_Inst_Ap_GMStrtStop.StrtStop_Per1_SS12VFault_Cnt_lgc	target_StrtStop_Per1_SS12VFault_Cnt_lgc			
target_Rte_Inst_Ap_GMStrtStop.StrtStop_Per1_SSScale_Uls_f32	target_StrtStop_Per1_SSScale_Uls_f32			
target_Rte_Inst_Ap_GMStrtStop.StrtStop_Per1_SSSlew_UlspS_f32	target_StrtStop_Per1_SSSlew_UlspS_f32			
target_Rte_Inst_Ap_GMStrtStop.StrtStop_Per1_SSState_State_enum	target_StrtStop_Per1_SSState_State_enum			
target_Rte_Inst_Ap_GMStrtStop.StrtStop_Per1_VehicleSpeed_Kph_f32	target_StrtStop_Per1_VehicleSpeed_Kph_f32			
target_StrtStop_Per1_APASState_State_enum.value	0			
target_StrtStop_Per1_EngSpd_Rpm_f32.value	0			
target_StrtStop_Per1_HandwheelVelocity_HwRadpS_f32.value	91.7856979			
target_StrtStop_Per1_HwTorque_HwNm_f32.value	7.38590002			
target_StrtStop_Per1_SS12VFault_Cnt_lgc.value	0			
target_StrtStop_Per1_VehicleSpeed_Kph_f32.value	0			
Name	Actual Value	Expected Value	Result	
StrtStop_SSScale_Uls_M_f32	0.479200006	0.479200006	✓	
StrtStop_SSSlewRatePrev_UlspS_M_f32	1	1 ± 0.1	✓	
StrtStop_StOpModePrevPrev_Cnt_M_enum	5	5	✓	
StrtStop_StOpModePrev_Cnt_M_enum	3	3	✓	
StrtStop_StOpMode_Cnt_M_enum	3	3	✓	
StrtStop_StopModeTimer1_mS_M_u32	1702261248	1702261248	✓	
StrtStop_StopModeTimer2_mS_M_u32	1753608192	1753608192	✓	
target_StrtStop_Per1_SSScale_Uls_f32.value	0.479200006	0.479200006 ± 0.0001	✓	
target_StrtStop_Per1_SSSlew_UlspS_f32.value	1	1 ± 0.1	✓	
target_StrtStop_Per1_SSState_State_enum.value	3	3	✓	

Test Step Call Trace ✓				
Actual Function	Count	Expected Function	Count	Result
DtrmnElapsedTime_mS_u32	1	DtrmnElapsedTime_mS_u32	1	✓
PreviousStCalc	1	PreviousStCalc	1	✓
SlewRateCalc	1	SlewRateCalc	1	✓

# TEST DETAILS REPORT

2016-07-18, 16:07:36+0530



StrtStop\_Per1

Test Step 2.75 (Repeat Count = 1)				
Name	Input Value			
DtrmnElapsedTime_mS_u32(ElapsedTime)	target_DtrmnElapsedTime_mS_u32_ElapsedTime			
GetSystemTime_mS_u32(CurrentTime)	target_GetSystemTime_mS_u32_CurrentTime			
Rte_Inst_Ap_GMStrtStop	target_Rte_Inst_Ap_GMStrtStop			
StrtStop_SSScale_Uls_M_f32	1			
StrtStop_SSSlewRatePrev_UlspS_M_f32	136.205902			
StrtStop_StOpModePrevPrev_Cnt_M_enum	5			
StrtStop_StOpModePrev_Cnt_M_enum	0			
StrtStop_StOpMode_Cnt_M_enum	3			
StrtStop_StopModeTimer1_mS_M_u32	3011734784			
StrtStop_StopModeTimer2_mS_M_u32	1305277184			
k_AlgEnable_Cnt_lgc	1			
k_FltRspRampDnRt_UlspS_f32	298.603088			
k_Mode1AssistDD_Uls_f32	0.799099982			
k_Mode1AssistSlew_UlspS_f32	106.996498			
k_Mode1EngTransThresh_Rpm_f32	14738.9805			
k_Mode1VehSpdTransThresh_Kph_f32	77.1166992			
k_Mode2AssistDD_Uls_f32	0.176499993			
k_Mode2AssistSlew_UlspS_f32	196.048599			
k_Mode2VehSpdTransThresh_Kph_f32	147.542404			
k_NormalModeAssistSlew_UlspS_f32	485.5513			
k_NormalModeEngTransThresh_Rpm_f32	4424.2915			
k_NormalModeVehSpdTransThresh_Kph_f32	57.0619011			
k_StopMode1AssistSlew_UlspS_f32	453.879791			
k_StopMode1HwTrqTransThresh_HwNm_f32	10			
k_StopMode1HwVelTransThresh_HwDegpS_f32	29.0275993			
k_StopMode1Timer_Sec_u16	1			
k_StopMode1VehSpdTransThresh_Kph_f32	179.5345			
k_StopMode2AssistSlew_UlspS_f32	112.997101			
k_StopMode2HwTrqTransThresh_HwNm_f32	9.69690037			
k_StopMode2HwVelTransThresh_HwDegpS_f32	10			
k_StopMode2Timer_Sec_u16	2			
k_StopMode2VehSpdTransThresh_Kph_f32	61.2937012			
k_StopModeAssistDD_Uls_f32	1			
target_DtrmnElapsedTime_mS_u32_ElapsedTime	373150			
target_GetSystemTime_mS_u32_CurrentTime	97300			
target_Rte_Inst_Ap_GMStrtStop.StrtStop_Per1_APASState_State_enum	target_StrtStop_Per1_APASState_State_enum			
target_Rte_Inst_Ap_GMStrtStop.StrtStop_Per1_EngSpd_Rpm_f32	target_StrtStop_Per1_EngSpd_Rpm_f32			
target_Rte_Inst_Ap_GMStrtStop.StrtStop_Per1_HandwheelVelocity_HwRadpS_f32	target_StrtStop_Per1_HandwheelVelocity_HwRadpS_f32			
target_Rte_Inst_Ap_GMStrtStop.StrtStop_Per1_HwTorque_HwNm_f32	target_StrtStop_Per1_HwTorque_HwNm_f32			
target_Rte_Inst_Ap_GMStrtStop.StrtStop_Per1_SS12VFault_Cnt_lgc	target_StrtStop_Per1_SS12VFault_Cnt_lgc			
target_Rte_Inst_Ap_GMStrtStop.StrtStop_Per1_SSScale_Uls_f32	target_StrtStop_Per1_SSScale_Uls_f32			
target_Rte_Inst_Ap_GMStrtStop.StrtStop_Per1_SSSlew_UlspS_f32	target_StrtStop_Per1_SSSlew_UlspS_f32			
target_Rte_Inst_Ap_GMStrtStop.StrtStop_Per1_SSState_State_enum	target_StrtStop_Per1_SSState_State_enum			
target_Rte_Inst_Ap_GMStrtStop.StrtStop_Per1_VehicleSpeed_Kph_f32	target_StrtStop_Per1_VehicleSpeed_Kph_f32			
target_StrtStop_Per1_APASState_State_enum.value	0			
target_StrtStop_Per1_EngSpd_Rpm_f32.value	0			
target_StrtStop_Per1_HandwheelVelocity_HwRadpS_f32.value	60.2568016			
target_StrtStop_Per1_HwTorque_HwNm_f32.value	6.45090008			
target_StrtStop_Per1_SS12VFault_Cnt_lgc.value	0			
target_StrtStop_Per1_VehicleSpeed_Kph_f32.value	0			
Name	Actual Value	Expected Value	Result	
StrtStop_SSScale_Uls_M_f32	1	1	✓	
StrtStop_SSSlewRatePrev_UlspS_M_f32	298.603088	298.603088 ± 0.1	✓	
StrtStop_StOpModePrevPrev_Cnt_M_enum	0	0	✓	
StrtStop_StOpModePrev_Cnt_M_enum	3	3	✓	
StrtStop_StOpMode_Cnt_M_enum	3	3	✓	
StrtStop_StopModeTimer1_mS_M_u32	3011734784	3011734784	✓	
StrtStop_StopModeTimer2_mS_M_u32	1305277184	1305277184	✓	
target_StrtStop_Per1_SSScale_Uls_f32.value	1	1 ± 0.0001	✓	
target_StrtStop_Per1_SSSlew_UlspS_f32.value	298.603088	298.603088 ± 0.1	✓	
target_StrtStop_Per1_SSState_State_enum.value	3	3	✓	

Test Step Call Trace				
Actual Function	Count	Expected Function	Count	Result
DtrmnElapsedTime_mS_u32	1	DtrmnElapsedTime_mS_u32	1	✓
PreviousStCalc	1	PreviousStCalc	1	✓
SlewRateCalc	1	SlewRateCalc	1	✓



# TEST DETAILS REPORT

2016-07-18, 16:07:36+0530



StrtStop\_Per1

## Test Step 2.76 (Repeat Count = 1)

Name	Input Value
DtrmnElapsedTime_mS_u32(ElapsedTime)	target_DtrmnElapsedTime_mS_u32_ElapsedTime
GetSystemTime_mS_u32(CurrentTime)	target_GetSystemTime_mS_u32_CurrentTime
Rte_Inst_Ap_GMStrtStop	target_Rte_Inst_Ap_GMStrtStop
StrtStop_SSScale_Uls_M_f32	1
StrtStop_SSSlewRatePrev_UlspS_M_f32	128.5345
StrtStop_StOpModePrevPrev_Cnt_M_enum	1
StrtStop_StOpModePrev_Cnt_M_enum	5
StrtStop_StOpMode_Cnt_M_enum	3
StrtStop_StopModeTimer1_mS_M_u32	1258847232
StrtStop_StopModeTimer2_mS_M_u32	1908664832
k_AlgEnable_Cnt_lgc	1
k_FltRspRampDnRt_UlspS_f32	347.56781
k_Mode1AssistDD_Uls_f32	1
k_Mode1AssistSlew_UlspS_f32	125.973701
k_Mode1EngTransThresh_Rpm_f32	13882.4092
k_Mode1VehSpdTransThresh_Kph_f32	168.9655
k_Mode2AssistDD_Uls_f32	0.533699989
k_Mode2AssistSlew_UlspS_f32	395.059113
k_Mode2VehSpdTransThresh_Kph_f32	56.3480988
k_NormalModeAssistSlew_UlspS_f32	362.158905
k_NormalModeEngTransThresh_Rpm_f32	7898.78516
k_NormalModeVehSpdTransThresh_Kph_f32	163.250198
k_StopMode1AssistSlew_UlspS_f32	293.488312
k_StopMode1HwTrqTransThresh_HwNm_f32	2.67420006
k_StopMode1HwVelTransThresh_HwDegpS_f32	86.1949997
k_StopMode1Timer_Sec_u16	2
k_StopMode1VehSpdTransThres_Kph_f32	90.8057022
k_StopMode2AssistSlew_UlspS_f32	227.143402
k_StopMode2HwTrqTransThresh_HwNm_f32	0
k_StopMode2HwVelTransThresh_HwDegpS_f32	123.165199
k_StopMode2Timer_Sec_u16	4
k_StopMode2VehSpdTransThresh_Kph_f32	187.138306
k_StopModeAssistDD_Uls_f32	1
target_DtrmnElapsedTime_mS_u32_ElapsedTime	378300
target_GetSystemTime_mS_u32_CurrentTime	98650
target_Rte_Inst_Ap_GMStrtStop.StrtStop_Per1_APASState_State_enum	target_StrtStop_Per1_APASState_State_enum
target_Rte_Inst_Ap_GMStrtStop.StrtStop_Per1_EngSpd_Rpm_f32	target_StrtStop_Per1_EngSpd_Rpm_f32
target_Rte_Inst_Ap_GMStrtStop.StrtStop_Per1_HandwheelVelocity_HwRadpS_f32	target_StrtStop_Per1_HandwheelVelocity_HwRadpS_f32
target_Rte_Inst_Ap_GMStrtStop.StrtStop_Per1_HwTorque_HwNm_f32	target_StrtStop_Per1_HwTorque_HwNm_f32
target_Rte_Inst_Ap_GMStrtStop.StrtStop_Per1_SS12VFault_Cnt_lgc	target_StrtStop_Per1_SS12VFault_Cnt_lgc
target_Rte_Inst_Ap_GMStrtStop.StrtStop_Per1_SSScale_Uls_f32	target_StrtStop_Per1_SSScale_Uls_f32
target_Rte_Inst_Ap_GMStrtStop.StrtStop_Per1_SSSlew_UlspS_f32	target_StrtStop_Per1_SSSlew_UlspS_f32
target_Rte_Inst_Ap_GMStrtStop.StrtStop_Per1_SSState_State_enum	target_StrtStop_Per1_SSState_State_enum
target_Rte_Inst_Ap_GMStrtStop.StrtStop_Per1_VehicleSpeed_Kph_f32	target_StrtStop_Per1_VehicleSpeed_Kph_f32
target_StrtStop_Per1_APASState_State_enum.value	0
target_StrtStop_Per1_EngSpd_Rpm_f32.value	0
target_StrtStop_Per1_HandwheelVelocity_HwRadpS_f32.value	0
target_StrtStop_Per1_HwTorque_HwNm_f32.value	6.61429977
target_StrtStop_Per1_SS12VFault_Cnt_lgc.value	0
target_StrtStop_Per1_VehicleSpeed_Kph_f32.value	0

Name	Actual Value	Expected Value	Result
StrtStop_SSScale_Uls_M_f32	1	1	✓
StrtStop_SSSlewRatePrev_UlspS_M_f32	1	1 ± 0.1	✓
StrtStop_StOpModePrevPrev_Cnt_M_enum	5	5	✓
StrtStop_StOpModePrev_Cnt_M_enum	3	3	✓
StrtStop_StOpMode_Cnt_M_enum	3	3	✓
StrtStop_StopModeTimer1_mS_M_u32	1258847232	1258847232	✓
StrtStop_StopModeTimer2_mS_M_u32	1908664832	1908664832	✓
target_StrtStop_Per1_SSScale_Uls_f32.value	1	1 ± 0.0001	✓
target_StrtStop_Per1_SSSlew_UlspS_f32.value	1	1 ± 0.1	✓
target_StrtStop_Per1_SSState_State_enum.value	3	3	✓

## Test Step Call Trace

Actual Function	Count	Expected Function	Count	Result
DtrmnElapsedTime_mS_u32	1	DtrmnElapsedTime_mS_u32	1	✓
PreviousStCalc	1	PreviousStCalc	1	✓
SlewRateCalc	1	SlewRateCalc	1	✓



# TEST DETAILS REPORT

2016-07-18, 16:07:36+0530



StrtStop\_Per1

Test Step 2.77 (Repeat Count = 1)					✔
Name		Input Value			
DtrmnElapsedTime_mS_u32(ElapsedTime)		target_DtrmnElapsedTime_mS_u32_ElapsedTime			
GetSystemTime_mS_u32(CurrentTime)		target_GetSystemTime_mS_u32_CurrentTime			
Rte_Inst_Ap_GMStrtStop		target_Rte_Inst_Ap_GMStrtStop			
StrtStop_SSScale_Uls_M_f32		0.173899993			
StrtStop_SSSlewRatePrev_UlspS_M_f32		386.314789			
StrtStop_StOpModePrevPrev_Cnt_M_enum		3			
StrtStop_StOpModePrev_Cnt_M_enum		0			
StrtStop_StOpMode_Cnt_M_enum		3			
StrtStop_StopModeTimer1_mS_M_u32		2943700736			
StrtStop_StopModeTimer2_mS_M_u32		3128624384			
k_AlgEnable_Cnt_lgc		1			
k_FltRspRampDnRt_UlspS_f32		490.715088			
k_Mode1AssistDD_Uls_f32		0.656099975			
k_Mode1AssistSlew_UlspS_f32		476.726715			
k_Mode1EngTransThresh_Rpm_f32		5330.61426			
k_Mode1VehSpdTransThresh_Kph_f32		77.035202			
k_Mode2AssistDD_Uls_f32		0.983699977			
k_Mode2AssistSlew_UlspS_f32		189.569702			
k_Mode2VehSpdTransThresh_Kph_f32		43.5330009			
k_NormalModeAssistSlew_UlspS_f32		411.171814			
k_NormalModeEngTransThresh_Rpm_f32		5034.64941			
k_NormalModeVehSpdTransThresh_Kph_f32		166.194397			
k_StopMode1AssistSlew_UlspS_f32		294.277008			
k_StopMode1HwTrqTransThresh_HwNm_f32		7.40579987			
k_StopMode1HwVelTransThresh_HwDegpS_f32		69.9590988			
k_StopMode1Timer_Sec_u16		0			
k_StopMode1VehSpdTransThres_Kph_f32		51.3577995			
k_StopMode2AssistSlew_UlspS_f32		128.764999			
k_StopMode2HwTrqTransThresh_HwNm_f32		10			
k_StopMode2HwVelTransThresh_HwDegpS_f32		59.0872002			
k_StopMode2Timer_Sec_u16		4			
k_StopMode2VehSpdTransThresh_Kph_f32		60.1553001			
k_StopModeAssistDD_Uls_f32		0.33039999			
target_DtrmnElapsedTime_mS_u32_ElapsedTime		383450			
target_GetSystemTime_mS_u32_CurrentTime		100000			
target_Rte_Inst_Ap_GMStrtStop.StrtStop_Per1_APASState_State_enum		target_StrtStop_Per1_APASState_State_enum			
target_Rte_Inst_Ap_GMStrtStop.StrtStop_Per1_EngSpd_Rpm_f32		target_StrtStop_Per1_EngSpd_Rpm_f32			
target_Rte_Inst_Ap_GMStrtStop.StrtStop_Per1_HandwheelVelocity_HwRadpS_f32		target_StrtStop_Per1_HandwheelVelocity_HwRadpS_f32			
target_Rte_Inst_Ap_GMStrtStop.StrtStop_Per1_HwTorque_HwNm_f32		target_StrtStop_Per1_HwTorque_HwNm_f32			
target_Rte_Inst_Ap_GMStrtStop.StrtStop_Per1_SS12VFault_Cnt_lgc		target_StrtStop_Per1_SS12VFault_Cnt_lgc			
target_Rte_Inst_Ap_GMStrtStop.StrtStop_Per1_SSScale_Uls_f32		target_StrtStop_Per1_SSScale_Uls_f32			
target_Rte_Inst_Ap_GMStrtStop.StrtStop_Per1_SSSlew_UlspS_f32		target_StrtStop_Per1_SSSlew_UlspS_f32			
target_Rte_Inst_Ap_GMStrtStop.StrtStop_Per1_SSSState_State_enum		target_StrtStop_Per1_SSSState_State_enum			
target_Rte_Inst_Ap_GMStrtStop.StrtStop_Per1_VehicleSpeed_Kph_f32		target_StrtStop_Per1_VehicleSpeed_Kph_f32			
target_StrtStop_Per1_APASState_State_enum.value		0			
target_StrtStop_Per1_EngSpd_Rpm_f32.value		0			
target_StrtStop_Per1_HandwheelVelocity_HwRadpS_f32.value		0			
target_StrtStop_Per1_HwTorque_HwNm_f32.value		-3.01349998			
target_StrtStop_Per1_SS12VFault_Cnt_lgc.value		0			
target_StrtStop_Per1_VehicleSpeed_Kph_f32.value		0			
Name	Actual Value	Expected Value	Result		
StrtStop_SSScale_Uls_M_f32	0.33039999	0.33039999	✔		
StrtStop_SSSlewRatePrev_UlspS_M_f32	490.715088	490.715088 ± 0.1	✔		
StrtStop_StOpModePrevPrev_Cnt_M_enum	0	0	✔		
StrtStop_StOpModePrev_Cnt_M_enum	2	2	✔		
StrtStop_StOpMode_Cnt_M_enum	2	2	✔		
StrtStop_StopModeTimer1_mS_M_u32	2943700736	2943700736	✔		
StrtStop_StopModeTimer2_mS_M_u32	3128624384	3128624384	✔		
target_StrtStop_Per1_SSScale_Uls_f32.value	0.33039999	0.33039999 ± 0.0001	✔		
target_StrtStop_Per1_SSSlew_UlspS_f32.value	490.715088	490.715088 ± 0.1	✔		
target_StrtStop_Per1_SSSState_State_enum.value	2	2	✔		

Test Step Call Trace					✔
Actual Function	Count	Expected Function	Count	Result	
DtrmnElapsedTime_mS_u32	1	DtrmnElapsedTime_mS_u32	1	✔	
PreviousStCalc	1	PreviousStCalc	1	✔	
SlewRateCalc	1	SlewRateCalc	1	✔	

# TEST DETAILS REPORT

2016-07-18, 16:07:36+0530



StrtStop\_Per1

## Test Step 2.78 (Repeat Count = 1)

Name	Input Value
DtrmnElapsedTime_mS_u32(ElapsedTime)	target_DtrmnElapsedTime_mS_u32_ElapsedTime
GetSystemTime_mS_u32(CurrentTime)	target_GetSystemTime_mS_u32_CurrentTime
Rte_Inst_Ap_GMStrtStop	target_Rte_Inst_Ap_GMStrtStop
StrtStop_SSScale_Uls_M_f32	1
StrtStop_SSSlewRatePrev_UlspS_M_f32	380.068695
StrtStop_StOpModePrevPrev_Cnt_M_enum	2
StrtStop_StOpModePrev_Cnt_M_enum	4
StrtStop_StOpMode_Cnt_M_enum	3
StrtStop_StopModeTimer1_mS_M_u32	4047164928
StrtStop_StopModeTimer2_mS_M_u32	847361024
k_AlgEnable_Cnt_lgc	1
k_FltRspRampDnRt_UlspS_f32	161.642807
k_Mode1AssistDD_Uls_f32	0.450700015
k_Mode1AssistSlew_UlspS_f32	424.158112
k_Mode1EngTransThresh_Rpm_f32	14172.2285
k_Mode1VehSpdTransThresh_Kph_f32	90.9150009
k_Mode2AssistDD_Uls_f32	1
k_Mode2AssistSlew_UlspS_f32	351.455414
k_Mode2VehSpdTransThresh_Kph_f32	124.609802
k_NormalModeAssistSlew_UlspS_f32	444.969696
k_NormalModeEngTransThresh_Rpm_f32	14502.0977
k_NormalModeVehSpdTransThresh_Kph_f32	185.271698
k_StopMode1AssistSlew_UlspS_f32	199.061996
k_StopMode1HwTrqTransThresh_HwNm_f32	5.11520004
k_StopMode1HwVelTransThresh_HwDegpS_f32	13.6801996
k_StopMode1Timer_Sec_u16	4
k_StopMode1VehSpdTransThresh_Kph_f32	69.042099
k_StopMode2AssistSlew_UlspS_f32	161.313004
k_StopMode2HwTrqTransThresh_HwNm_f32	1
k_StopMode2HwVelTransThresh_HwDegpS_f32	28.5555992
k_StopMode2Timer_Sec_u16	2
k_StopMode2VehSpdTransThresh_Kph_f32	179.389603
k_StopModeAssistDD_Uls_f32	1
target_DtrmnElapsedTime_mS_u32_ElapsedTime	388600
target_GetSystemTime_mS_u32_CurrentTime	101350
target_Rte_Inst_Ap_GMStrtStop.StrtStop_Per1_APASState_State_enum	target_StrtStop_Per1_APASState_State_enum
target_Rte_Inst_Ap_GMStrtStop.StrtStop_Per1_EngSpd_Rpm_f32	target_StrtStop_Per1_EngSpd_Rpm_f32
target_Rte_Inst_Ap_GMStrtStop.StrtStop_Per1_HandwheelVelocity_HwRadpS_f32	target_StrtStop_Per1_HandwheelVelocity_HwRadpS_f32
target_Rte_Inst_Ap_GMStrtStop.StrtStop_Per1_HwTorque_HwNm_f32	target_StrtStop_Per1_HwTorque_HwNm_f32
target_Rte_Inst_Ap_GMStrtStop.StrtStop_Per1_SS12VFault_Cnt_lgc	target_StrtStop_Per1_SS12VFault_Cnt_lgc
target_Rte_Inst_Ap_GMStrtStop.StrtStop_Per1_SSScale_Uls_f32	target_StrtStop_Per1_SSScale_Uls_f32
target_Rte_Inst_Ap_GMStrtStop.StrtStop_Per1_SSSlew_UlspS_f32	target_StrtStop_Per1_SSSlew_UlspS_f32
target_Rte_Inst_Ap_GMStrtStop.StrtStop_Per1_SSState_State_enum	target_StrtStop_Per1_SSState_State_enum
target_Rte_Inst_Ap_GMStrtStop.StrtStop_Per1_VehicleSpeed_Kph_f32	target_StrtStop_Per1_VehicleSpeed_Kph_f32
target_StrtStop_Per1_APASState_State_enum.value	0
target_StrtStop_Per1_EngSpd_Rpm_f32.value	0
target_StrtStop_Per1_HandwheelVelocity_HwRadpS_f32.value	0
target_StrtStop_Per1_HwTorque_HwNm_f32.value	-0.530200005
target_StrtStop_Per1_SS12VFault_Cnt_lgc.value	0
target_StrtStop_Per1_VehicleSpeed_Kph_f32.value	0

Name	Actual Value	Expected Value	Result
StrtStop_SSScale_Uls_M_f32	1	1	✓
StrtStop_SSSlewRatePrev_UlspS_M_f32	161.642807	161.642807 ± 0.1	✓
StrtStop_StOpModePrevPrev_Cnt_M_enum	4	4	✓
StrtStop_StOpModePrev_Cnt_M_enum	2	2	✓
StrtStop_StOpMode_Cnt_M_enum	2	2	✓
StrtStop_StopModeTimer1_mS_M_u32	4047164928	4047164928	✓
StrtStop_StopModeTimer2_mS_M_u32	847361024	847361024	✓
target_StrtStop_Per1_SSScale_Uls_f32.value	1	1 ± 0.0001	✓
target_StrtStop_Per1_SSSlew_UlspS_f32.value	161.642807	161.642807 ± 0.1	✓
target_StrtStop_Per1_SSState_State_enum.value	2	2	✓

## Test Step Call Trace

Actual Function	Count	Expected Function	Count	Result
DtrmnElapsedTime_mS_u32	1	DtrmnElapsedTime_mS_u32	1	✓
PreviousStCalc	1	PreviousStCalc	1	✓
SlewRateCalc	1	SlewRateCalc	1	✓

# TEST DETAILS REPORT

2016-07-18, 16:07:36+0530



StrtStop\_Per1

Test Step 2.79 (Repeat Count = 1) ✓				
Name	Input Value			
DtrmnElapsedTime_mS_u32(ElapsedTime)	target_DtrmnElapsedTime_mS_u32_ElapsedTime			
GetSystemTime_mS_u32(CurrentTime)	target_GetSystemTime_mS_u32_CurrentTime			
Rte_Inst_Ap_GMStrtStop	target_Rte_Inst_Ap_GMStrtStop			
StrtStop_SSScale_Uls_M_f32	1			
StrtStop_SSSlewRatePrev_UlspS_M_f32	195.041306			
StrtStop_StOpModePrevPrev_Cnt_M_enum	1			
StrtStop_StOpModePrev_Cnt_M_enum	4			
StrtStop_StOpMode_Cnt_M_enum	3			
StrtStop_StopModeTimer1_mS_M_u32	247873792			
StrtStop_StopModeTimer2_mS_M_u32	2213127936			
k_AlgEnable_Cnt_lgc	1			
k_FltRspRampDnRt_UlspS_f32	440.769714			
k_Mode1AssistDD_Uls_f32	0.163900003			
k_Mode1AssistSlew_UlspS_f32	431.660889			
k_Mode1EngTransThresh_Rpm_f32	8391.33398			
k_Mode1VehSpdTransThresh_Kph_f32	169.195999			
k_Mode2AssistDD_Uls_f32	1			
k_Mode2AssistSlew_UlspS_f32	71.2149963			
k_Mode2VehSpdTransThresh_Kph_f32	193.172195			
k_NormalModeAssistSlew_UlspS_f32	145.435593			
k_NormalModeEngTransThresh_Rpm_f32	11123.8984			
k_NormalModeVehSpdTransThresh_Kph_f32	81.9978027			
k_StopMode1AssistSlew_UlspS_f32	356.271912			
k_StopMode1HwTrqTransThresh_HwNm_f32	0.336400002			
k_StopMode1HwVelTransThresh_HwDegpS_f32	168.039505			
k_StopMode1Timer_Sec_u16	3			
k_StopMode1VehSpdTransThresh_Kph_f32	154.655106			
k_StopMode2AssistSlew_UlspS_f32	444.449585			
k_StopMode2HwTrqTransThresh_HwNm_f32	2.40210009			
k_StopMode2HwVelTransThresh_HwDegpS_f32	82.5094986			
k_StopMode2Timer_Sec_u16	0			
k_StopMode2VehSpdTransThresh_Kph_f32	142.018204			
k_StopModeAssistDD_Uls_f32	1			
target_DtrmnElapsedTime_mS_u32_ElapsedTime	393750			
target_GetSystemTime_mS_u32_CurrentTime	102700			
target_Rte_Inst_Ap_GMStrtStop.StrtStop_Per1_APASState_State_enum	target_StrtStop_Per1_APASState_State_enum			
target_Rte_Inst_Ap_GMStrtStop.StrtStop_Per1_EngSpd_Rpm_f32	target_StrtStop_Per1_EngSpd_Rpm_f32			
target_Rte_Inst_Ap_GMStrtStop.StrtStop_Per1_HandwheelVelocity_HwRadpS_f32	target_StrtStop_Per1_HandwheelVelocity_HwRadpS_f32			
target_Rte_Inst_Ap_GMStrtStop.StrtStop_Per1_HwTorque_HwNm_f32	target_StrtStop_Per1_HwTorque_HwNm_f32			
target_Rte_Inst_Ap_GMStrtStop.StrtStop_Per1_SS12VFault_Cnt_lgc	target_StrtStop_Per1_SS12VFault_Cnt_lgc			
target_Rte_Inst_Ap_GMStrtStop.StrtStop_Per1_SSScale_Uls_f32	target_StrtStop_Per1_SSScale_Uls_f32			
target_Rte_Inst_Ap_GMStrtStop.StrtStop_Per1_SSSlew_UlspS_f32	target_StrtStop_Per1_SSSlew_UlspS_f32			
target_Rte_Inst_Ap_GMStrtStop.StrtStop_Per1_SSState_State_enum	target_StrtStop_Per1_SSState_State_enum			
target_Rte_Inst_Ap_GMStrtStop.StrtStop_Per1_VehicleSpeed_Kph_f32	target_StrtStop_Per1_VehicleSpeed_Kph_f32			
target_StrtStop_Per1_APASState_State_enum.value	2			
target_StrtStop_Per1_EngSpd_Rpm_f32.value	0			
target_StrtStop_Per1_HandwheelVelocity_HwRadpS_f32.value	0			
target_StrtStop_Per1_HwTorque_HwNm_f32.value	0			
target_StrtStop_Per1_SS12VFault_Cnt_lgc.value	0			
target_StrtStop_Per1_VehicleSpeed_Kph_f32.value	0			
Name	Actual Value	Expected Value	Result	
StrtStop_SSScale_Uls_M_f32	1	1	✓	
StrtStop_SSSlewRatePrev_UlspS_M_f32	195.041306	195.041306 ± 0.1	✓	
StrtStop_StOpModePrevPrev_Cnt_M_enum	4	4	✓	
StrtStop_StOpModePrev_Cnt_M_enum	2	2	✓	
StrtStop_StOpMode_Cnt_M_enum	2	2	✓	
StrtStop_StopModeTimer1_mS_M_u32	247873792	247873792	✓	
StrtStop_StopModeTimer2_mS_M_u32	2213127936	2213127936	✓	
target_StrtStop_Per1_SSScale_Uls_f32.value	1	1 ± 0.0001	✓	
target_StrtStop_Per1_SSSlew_UlspS_f32.value	195.041306	195.041306 ± 0.1	✓	
target_StrtStop_Per1_SSState_State_enum.value	2	2	✓	

Test Step Call Trace ✓				
Actual Function	Count	Expected Function	Count	Result
DtrmnElapsedTime_mS_u32	1	DtrmnElapsedTime_mS_u32	1	✓
PreviousStCalc	1	PreviousStCalc	1	✓
SlewRateCalc	1	SlewRateCalc	1	✓

# TEST DETAILS REPORT

2016-07-18, 16:07:36+0530



StrtStop\_Per1

## Test Step 2.80 (Repeat Count = 1)

Name	Input Value
DtrmnElapsedTime_mS_u32(ElapsedTime)	target_DtrmnElapsedTime_mS_u32_ElapsedTime
GetSystemTime_mS_u32(CurrentTime)	target_GetSystemTime_mS_u32_CurrentTime
Rte_Inst_Ap_GMStrtStop	target_Rte_Inst_Ap_GMStrtStop
StrtStop_SSScale_Uls_M_f32	0.404399991
StrtStop_SSSlewRatePrev_UlspS_M_f32	77.864502
StrtStop_StOpModePrevPrev_Cnt_M_enum	1
StrtStop_StOpModePrev_Cnt_M_enum	1
StrtStop_StOpMode_Cnt_M_enum	3
StrtStop_StopModeTimer1_mS_M_u32	2106589184
StrtStop_StopModeTimer2_mS_M_u32	1396559360
k_AlgEnable_Cnt_lgc	1
k_FltRspRampDnRt_UlspS_f32	444.102509
k_Mode1AssistDD_Uls_f32	0.609799981
k_Mode1AssistSlew_UlspS_f32	327.554596
k_Mode1EngTransThresh_Rpm_f32	3439.99731
k_Mode1VehSpdTransThresh_Kph_f32	165.029404
k_Mode2AssistDD_Uls_f32	1
k_Mode2AssistSlew_UlspS_f32	264.379913
k_Mode2VehSpdTransThresh_Kph_f32	145.044006
k_NormalModeAssistSlew_UlspS_f32	104.452904
k_NormalModeEngTransThresh_Rpm_f32	10701.0117
k_NormalModeVehSpdTransThresh_Kph_f32	14.8834
k_StopMode1AssistSlew_UlspS_f32	489.091309
k_StopMode1HwTrqTransThresh_HwNm_f32	10
k_StopMode1HwVelTransThresh_HwDegpS_f32	234.705994
k_StopMode1Timer_Sec_u16	0
k_StopMode1VehSpdTransThresh_Kph_f32	172.755707
k_StopMode2AssistSlew_UlspS_f32	174.541595
k_StopMode2HwTrqTransThresh_HwNm_f32	1.70070004
k_StopMode2HwVelTransThresh_HwDegpS_f32	143.382599
k_StopMode2Timer_Sec_u16	5
k_StopMode2VehSpdTransThresh_Kph_f32	84.5754013
k_StopModeAssistDD_Uls_f32	0.107699998
target_DtrmnElapsedTime_mS_u32_ElapsedTime	398900
target_GetSystemTime_mS_u32_CurrentTime	104050
target_Rte_Inst_Ap_GMStrtStop.StrtStop_Per1_APASState_State_enum	target_StrtStop_Per1_APASState_State_enum
target_Rte_Inst_Ap_GMStrtStop.StrtStop_Per1_EngSpd_Rpm_f32	target_StrtStop_Per1_EngSpd_Rpm_f32
target_Rte_Inst_Ap_GMStrtStop.StrtStop_Per1_HandwheelVelocity_HwRadpS_f32	target_StrtStop_Per1_HandwheelVelocity_HwRadpS_f32
target_Rte_Inst_Ap_GMStrtStop.StrtStop_Per1_HwTorque_HwNm_f32	target_StrtStop_Per1_HwTorque_HwNm_f32
target_Rte_Inst_Ap_GMStrtStop.StrtStop_Per1_SS12VFault_Cnt_lgc	target_StrtStop_Per1_SS12VFault_Cnt_lgc
target_Rte_Inst_Ap_GMStrtStop.StrtStop_Per1_SSScale_Uls_f32	target_StrtStop_Per1_SSScale_Uls_f32
target_Rte_Inst_Ap_GMStrtStop.StrtStop_Per1_SSSlew_UlspS_f32	target_StrtStop_Per1_SSSlew_UlspS_f32
target_Rte_Inst_Ap_GMStrtStop.StrtStop_Per1_SSState_State_enum	target_StrtStop_Per1_SSState_State_enum
target_Rte_Inst_Ap_GMStrtStop.StrtStop_Per1_VehicleSpeed_Kph_f32	target_StrtStop_Per1_VehicleSpeed_Kph_f32
target_StrtStop_Per1_APASState_State_enum.value	4
target_StrtStop_Per1_EngSpd_Rpm_f32.value	0
target_StrtStop_Per1_HandwheelVelocity_HwRadpS_f32.value	0
target_StrtStop_Per1_HwTorque_HwNm_f32.value	0
target_StrtStop_Per1_SS12VFault_Cnt_lgc.value	0
target_StrtStop_Per1_VehicleSpeed_Kph_f32.value	0

Name	Actual Value	Expected Value	Result
StrtStop_SSScale_Uls_M_f32	0.107699998	0.107699998	✓
StrtStop_SSSlewRatePrev_UlspS_M_f32	489.091309	489.091309 ± 0.1	✓
StrtStop_StOpModePrevPrev_Cnt_M_enum	1	1	✓
StrtStop_StOpModePrev_Cnt_M_enum	2	2	✓
StrtStop_StOpMode_Cnt_M_enum	2	2	✓
StrtStop_StopModeTimer1_mS_M_u32	2106589184	2106589184	✓
StrtStop_StopModeTimer2_mS_M_u32	1396559360	1396559360	✓
target_StrtStop_Per1_SSScale_Uls_f32.value	0.107699998	0.107699998 ± 0.0001	✓
target_StrtStop_Per1_SSSlew_UlspS_f32.value	489.091309	489.091309 ± 0.1	✓
target_StrtStop_Per1_SSState_State_enum.value	2	2	✓

## Test Step Call Trace

Actual Function	Count	Expected Function	Count	Result
DtrmnElapsedTime_mS_u32	1	DtrmnElapsedTime_mS_u32	1	✓
PreviousStCalc	1	PreviousStCalc	1	✓
SlewRateCalc	1	SlewRateCalc	1	✓

# TEST DETAILS REPORT

2016-07-18, 16:07:36+0530



StrtStop\_Per1

## Test Step 2.81 (Repeat Count = 1)

Name	Input Value
DtrmnElapsedTime_mS_u32(ElapsedTime)	target_DtrmnElapsedTime_mS_u32_ElapsedTime
GetSystemTime_mS_u32(CurrentTime)	target_GetSystemTime_mS_u32_CurrentTime
Rte_Inst_Ap_GMStrtStop	target_Rte_Inst_Ap_GMStrtStop
StrtStop_SSScale_Uls_M_f32	0.207900003
StrtStop_SSSlewRatePrev_UlspS_M_f32	286.040497
StrtStop_StOpModePrevPrev_Cnt_M_enum	0
StrtStop_StOpModePrev_Cnt_M_enum	5
StrtStop_StOpMode_Cnt_M_enum	3
StrtStop_StopModeTimer1_mS_M_u32	2330903296
StrtStop_StopModeTimer2_mS_M_u32	3399309568
k_AlgEnable_Cnt_lgc	1
k_FltRspRampDnRt_UlspS_f32	259.932404
k_Mode1AssistDD_Uls_f32	1
k_Mode1AssistSlew_UlspS_f32	477.686493
k_Mode1EngTransThresh_Rpm_f32	14516.835
k_Mode1VehSpdTransThresh_Kph_f32	126.1875
k_Mode2AssistDD_Uls_f32	0.765200019
k_Mode2AssistSlew_UlspS_f32	218.772797
k_Mode2VehSpdTransThresh_Kph_f32	155.939804
k_NormalModeAssistSlew_UlspS_f32	134.674606
k_NormalModeEngTransThresh_Rpm_f32	13944.7646
k_NormalModeVehSpdTransThresh_Kph_f32	78.2229996
k_StopMode1AssistSlew_UlspS_f32	124.354698
k_StopMode1HwTrqTransThresh_HwNm_f32	0.405200005
k_StopMode1HwVelTransThresh_HwDegpS_f32	249.536407
k_StopMode1Timer_Sec_u16	1
k_StopMode1VehSpdTransThresh_Kph_f32	34.8226013
k_StopMode2AssistSlew_UlspS_f32	91.0286026
k_StopMode2HwTrqTransThresh_HwNm_f32	8.10659981
k_StopMode2HwVelTransThresh_HwDegpS_f32	218.121094
k_StopMode2Timer_Sec_u16	1
k_StopMode2VehSpdTransThresh_Kph_f32	200
k_StopModeAssistDD_Uls_f32	0.167699993
target_DtrmnElapsedTime_mS_u32_ElapsedTime	404050
target_GetSystemTime_mS_u32_CurrentTime	105400
target_Rte_Inst_Ap_GMStrtStop.StrtStop_Per1_APASState_State_enum	target_StrtStop_Per1_APASState_State_enum
target_Rte_Inst_Ap_GMStrtStop.StrtStop_Per1_EngSpd_Rpm_f32	target_StrtStop_Per1_EngSpd_Rpm_f32
target_Rte_Inst_Ap_GMStrtStop.StrtStop_Per1_HandwheelVelocity_HwRadpS_f32	target_StrtStop_Per1_HandwheelVelocity_HwRadpS_f32
target_Rte_Inst_Ap_GMStrtStop.StrtStop_Per1_HwTorque_HwNm_f32	target_StrtStop_Per1_HwTorque_HwNm_f32
target_Rte_Inst_Ap_GMStrtStop.StrtStop_Per1_SS12VFault_Cnt_lgc	target_StrtStop_Per1_SS12VFault_Cnt_lgc
target_Rte_Inst_Ap_GMStrtStop.StrtStop_Per1_SSScale_Uls_f32	target_StrtStop_Per1_SSScale_Uls_f32
target_Rte_Inst_Ap_GMStrtStop.StrtStop_Per1_SSSlew_UlspS_f32	target_StrtStop_Per1_SSSlew_UlspS_f32
target_Rte_Inst_Ap_GMStrtStop.StrtStop_Per1_SSState_State_enum	target_StrtStop_Per1_SSState_State_enum
target_Rte_Inst_Ap_GMStrtStop.StrtStop_Per1_VehicleSpeed_Kph_f32	target_StrtStop_Per1_VehicleSpeed_Kph_f32
target_StrtStop_Per1_APASState_State_enum.value	1
target_StrtStop_Per1_EngSpd_Rpm_f32.value	0
target_StrtStop_Per1_HandwheelVelocity_HwRadpS_f32.value	0
target_StrtStop_Per1_HwTorque_HwNm_f32.value	0
target_StrtStop_Per1_SS12VFault_Cnt_lgc.value	0
target_StrtStop_Per1_VehicleSpeed_Kph_f32.value	0

Name	Actual Value	Expected Value	Result
StrtStop_SSScale_Uls_M_f32	0.167699993	0.167699993	✓
StrtStop_SSSlewRatePrev_UlspS_M_f32	1	1 ± 0.1	✓
StrtStop_StOpModePrevPrev_Cnt_M_enum	5	5	✓
StrtStop_StOpModePrev_Cnt_M_enum	2	2	✓
StrtStop_StOpMode_Cnt_M_enum	2	2	✓
StrtStop_StopModeTimer1_mS_M_u32	2330903296	2330903296	✓
StrtStop_StopModeTimer2_mS_M_u32	3399309568	3399309568	✓
target_StrtStop_Per1_SSScale_Uls_f32.value	0.167699993	0.167699993 ± 0.0001	✓
target_StrtStop_Per1_SSSlew_UlspS_f32.value	1	1 ± 0.1	✓
target_StrtStop_Per1_SSState_State_enum.value	2	2	✓

## Test Step Call Trace

Actual Function	Count	Expected Function	Count	Result
DtrmnElapsedTime_mS_u32	1	DtrmnElapsedTime_mS_u32	1	✓
PreviousStCalc	1	PreviousStCalc	1	✓
SlewRateCalc	1	SlewRateCalc	1	✓

# TEST DETAILS REPORT

2016-07-18, 16:07:36+0530



StrtStop\_Per1

Test Step 2.82 (Repeat Count = 1) ✓				
Name	Input Value			
DtrmnElapsedTime_mS_u32(ElapsedTime)	target_DtrmnElapsedTime_mS_u32_ElapsedTime			
GetSystemTime_mS_u32(CurrentTime)	target_GetSystemTime_mS_u32_CurrentTime			
Rte_Inst_Ap_GMStrtStop	target_Rte_Inst_Ap_GMStrtStop			
StrtStop_SSScale_Uls_M_f32	0.0882999972			
StrtStop_SSSlewRatePrev_UlspS_M_f32	473.097412			
StrtStop_StOpModePrevPrev_Cnt_M_enum	5			
StrtStop_StOpModePrev_Cnt_M_enum	3			
StrtStop_StOpMode_Cnt_M_enum	1			
StrtStop_StopModeTimer1_mS_M_u32	3373097472			
StrtStop_StopModeTimer2_mS_M_u32	4274741248			
k_AlgEnable_Cnt_lgc	1			
k_FltRspRampDnRt_UlspS_f32	211.528			
k_Mode1AssistDD_Uls_f32	1			
k_Mode1AssistSlew_UlspS_f32	448.971008			
k_Mode1EngTransThresh_Rpm_f32	13789.4102			
k_Mode1VehSpdTransThresh_Kph_f32	174.196503			
k_Mode2AssistDD_Uls_f32	1			
k_Mode2AssistSlew_UlspS_f32	279.053406			
k_Mode2VehSpdTransThresh_Kph_f32	155.530899			
k_NormalModeAssistSlew_UlspS_f32	319.713501			
k_NormalModeEngTransThresh_Rpm_f32	5586.98242			
k_NormalModeVehSpdTransThresh_Kph_f32	72.0836029			
k_StopMode1AssistSlew_UlspS_f32	174.879501			
k_StopMode1HwTrqTransThresh_HwNm_f32	6.3277998			
k_StopMode1HwVelTransThresh_HwDegpS_f32	25.4627991			
k_StopMode1Timer_Sec_u16	0			
k_StopMode1VehSpdTransThresh_Kph_f32	91.895401			
k_StopMode2AssistSlew_UlspS_f32	140.441895			
k_StopMode2HwTrqTransThresh_HwNm_f32	6.03009987			
k_StopMode2HwVelTransThresh_HwDegpS_f32	15.6574001			
k_StopMode2Timer_Sec_u16	0			
k_StopMode2VehSpdTransThresh_Kph_f32	55.7095985			
k_StopModeAssistDD_Uls_f32	0			
target_DtrmnElapsedTime_mS_u32_ElapsedTime	285600			
target_GetSystemTime_mS_u32_CurrentTime	74350			
target_Rte_Inst_Ap_GMStrtStop.StrtStop_Per1_APASState_State_enum	target_StrtStop_Per1_APASState_State_enum			
target_Rte_Inst_Ap_GMStrtStop.StrtStop_Per1_EngSpd_Rpm_f32	target_StrtStop_Per1_EngSpd_Rpm_f32			
target_Rte_Inst_Ap_GMStrtStop.StrtStop_Per1_HandwheelVelocity_HwRadpS_f32	target_StrtStop_Per1_HandwheelVelocity_HwRadpS_f32			
target_Rte_Inst_Ap_GMStrtStop.StrtStop_Per1_HwTorque_HwNm_f32	target_StrtStop_Per1_HwTorque_HwNm_f32			
target_Rte_Inst_Ap_GMStrtStop.StrtStop_Per1_SS12VFault_Cnt_lgc	target_StrtStop_Per1_SS12VFault_Cnt_lgc			
target_Rte_Inst_Ap_GMStrtStop.StrtStop_Per1_SSScale_Uls_f32	target_StrtStop_Per1_SSScale_Uls_f32			
target_Rte_Inst_Ap_GMStrtStop.StrtStop_Per1_SSSlew_UlspS_f32	target_StrtStop_Per1_SSSlew_UlspS_f32			
target_Rte_Inst_Ap_GMStrtStop.StrtStop_Per1_SSState_State_enum	target_StrtStop_Per1_SSState_State_enum			
target_Rte_Inst_Ap_GMStrtStop.StrtStop_Per1_VehicleSpeed_Kph_f32	target_StrtStop_Per1_VehicleSpeed_Kph_f32			
target_StrtStop_Per1_APASState_State_enum.value	3			
target_StrtStop_Per1_EngSpd_Rpm_f32.value	0			
target_StrtStop_Per1_HandwheelVelocity_HwRadpS_f32.value	0			
target_StrtStop_Per1_HwTorque_HwNm_f32.value	0			
target_StrtStop_Per1_SS12VFault_Cnt_lgc.value	0			
target_StrtStop_Per1_VehicleSpeed_Kph_f32.value	0			
Name	Actual Value	Expected Value	Result	
StrtStop_SSScale_Uls_M_f32	0	0	✓	
StrtStop_SSSlewRatePrev_UlspS_M_f32	140.441895	140.441895 ± 0.1	✓	
StrtStop_StOpModePrevPrev_Cnt_M_enum	3	3	✓	
StrtStop_StOpModePrev_Cnt_M_enum	2	2	✓	
StrtStop_StOpMode_Cnt_M_enum	2	2	✓	
StrtStop_StopModeTimer1_mS_M_u32	3373097472	3373097472	✓	
StrtStop_StopModeTimer2_mS_M_u32	4274741248	4274741248	✓	
target_StrtStop_Per1_SSScale_Uls_f32.value	0	0 ± 0.0001	✓	
target_StrtStop_Per1_SSSlew_UlspS_f32.value	140.441895	140.441895 ± 0.1	✓	
target_StrtStop_Per1_SSState_State_enum.value	2	2	✓	

Test Step Call Trace ✓				
Actual Function	Count	Expected Function	Count	Result
DtrmnElapsedTime_mS_u32	1	DtrmnElapsedTime_mS_u32	1	✓
PreviousStCalc	1	PreviousStCalc	1	✓
SlewRateCalc	1	SlewRateCalc	1	✓

# TEST DETAILS REPORT

2016-07-18, 16:07:36+0530



StrtStop\_Per1

## Test Step 2.83 (Repeat Count = 1)

Name	Input Value
DtrmnElapsedTime_mS_u32(ElapsedTime)	target_DtrmnElapsedTime_mS_u32_ElapsedTime
GetSystemTime_mS_u32(CurrentTime)	target_GetSystemTime_mS_u32_CurrentTime
Rte_Inst_Ap_GMStrtStop	target_Rte_Inst_Ap_GMStrtStop
StrtStop_SSScale_Uls_M_f32	1
StrtStop_SSSlewRatePrev_UlspS_M_f32	129.595993
StrtStop_StOpModePrevPrev_Cnt_M_enum	2
StrtStop_StOpModePrev_Cnt_M_enum	4
StrtStop_StOpMode_Cnt_M_enum	1
StrtStop_StopModeTimer1_mS_M_u32	3497958656
StrtStop_StopModeTimer2_mS_M_u32	2898043648
k_AlgEnable_Cnt_lgc	1
k_FltRspRampDnRt_UlspS_f32	436.272491
k_Mode1AssistDD_Uls_f32	0.107900001
k_Mode1AssistSlew_UlspS_f32	389.873901
k_Mode1EngTransThresh_Rpm_f32	7631.70166
k_Mode1VehSpdTransThresh_Kph_f32	119.3209
k_Mode2AssistDD_Uls_f32	0.690500021
k_Mode2AssistSlew_UlspS_f32	420.861206
k_Mode2VehSpdTransThresh_Kph_f32	17.3297005
k_NormalModeAssistSlew_UlspS_f32	96.0016022
k_NormalModeEngTransThresh_Rpm_f32	15064.2002
k_NormalModeVehSpdTransThresh_Kph_f32	15.7834997
k_StopMode1AssistSlew_UlspS_f32	145.473404
k_StopMode1HwTrqTransThresh_HwNm_f32	0.874599993
k_StopMode1HwVelTransThresh_HwDegpS_f32	109.834602
k_StopMode1Timer_Sec_u16	5
k_StopMode1VehSpdTransThres_Kph_f32	158.477005
k_StopMode2AssistSlew_UlspS_f32	390.031403
k_StopMode2HwTrqTransThresh_HwNm_f32	6.08729982
k_StopMode2HwVelTransThresh_HwDegpS_f32	11.5753002
k_StopMode2Timer_Sec_u16	3
k_StopMode2VehSpdTransThresh_Kph_f32	98.2502975
k_StopModeAssistDD_Uls_f32	1
target_DtrmnElapsedTime_mS_u32_ElapsedTime	290750
target_GetSystemTime_mS_u32_CurrentTime	75700
target_Rte_Inst_Ap_GMStrtStop.StrtStop_Per1_APASState_State_enum	target_StrtStop_Per1_APASState_State_enum
target_Rte_Inst_Ap_GMStrtStop.StrtStop_Per1_EngSpd_Rpm_f32	target_StrtStop_Per1_EngSpd_Rpm_f32
target_Rte_Inst_Ap_GMStrtStop.StrtStop_Per1_HandwheelVelocity_HwRadpS_f32	target_StrtStop_Per1_HandwheelVelocity_HwRadpS_f32
target_Rte_Inst_Ap_GMStrtStop.StrtStop_Per1_HwTorque_HwNm_f32	target_StrtStop_Per1_HwTorque_HwNm_f32
target_Rte_Inst_Ap_GMStrtStop.StrtStop_Per1_SS12VFault_Cnt_lgc	target_StrtStop_Per1_SS12VFault_Cnt_lgc
target_Rte_Inst_Ap_GMStrtStop.StrtStop_Per1_SSScale_Uls_f32	target_StrtStop_Per1_SSScale_Uls_f32
target_Rte_Inst_Ap_GMStrtStop.StrtStop_Per1_SSSlew_UlspS_f32	target_StrtStop_Per1_SSSlew_UlspS_f32
target_Rte_Inst_Ap_GMStrtStop.StrtStop_Per1_SSState_State_enum	target_StrtStop_Per1_SSState_State_enum
target_Rte_Inst_Ap_GMStrtStop.StrtStop_Per1_VehicleSpeed_Kph_f32	target_StrtStop_Per1_VehicleSpeed_Kph_f32
target_StrtStop_Per1_APASState_State_enum.value	0
target_StrtStop_Per1_EngSpd_Rpm_f32.value	0
target_StrtStop_Per1_HandwheelVelocity_HwRadpS_f32.value	0
target_StrtStop_Per1_HwTorque_HwNm_f32.value	0
target_StrtStop_Per1_SS12VFault_Cnt_lgc.value	0
target_StrtStop_Per1_VehicleSpeed_Kph_f32.value	0

Name	Actual Value	Expected Value	Result
StrtStop_SSScale_Uls_M_f32	1	1	✓
StrtStop_SSSlewRatePrev_UlspS_M_f32	436.272491	436.272491 ± 0.1	✓
StrtStop_StOpModePrevPrev_Cnt_M_enum	4	4	✓
StrtStop_StOpModePrev_Cnt_M_enum	2	2	✓
StrtStop_StOpMode_Cnt_M_enum	2	2	✓
StrtStop_StopModeTimer1_mS_M_u32	3497958656	3497958656	✓
StrtStop_StopModeTimer2_mS_M_u32	2898043648	2898043648	✓
target_StrtStop_Per1_SSScale_Uls_f32.value	1	1 ± 0.0001	✓
target_StrtStop_Per1_SSSlew_UlspS_f32.value	436.272491	436.272491 ± 0.1	✓
target_StrtStop_Per1_SSState_State_enum.value	2	2	✓

## Test Step Call Trace

Actual Function	Count	Expected Function	Count	Result
DtrmnElapsedTime_mS_u32	1	DtrmnElapsedTime_mS_u32	1	✓
PreviousStCalc	1	PreviousStCalc	1	✓
SlewRateCalc	1	SlewRateCalc	1	✓



# TEST DETAILS REPORT

2016-07-18, 16:07:36+0530



StrtStop\_Per1

## Test Step 2.84 (Repeat Count = 1)

Name	Input Value
DtrmnElapsedTime_mS_u32(ElapsedTime)	target_DtrmnElapsedTime_mS_u32_ElapsedTime
GetSystemTime_mS_u32(CurrentTime)	target_GetSystemTime_mS_u32_CurrentTime
Rte_Inst_Ap_GMStrtStop	target_Rte_Inst_Ap_GMStrtStop
StrtStop_SSScale_Uls_M_f32	1
StrtStop_SSSlewRatePrev_UlspS_M_f32	8.95349979
StrtStop_StOpModePrevPrev_Cnt_M_enum	4
StrtStop_StOpModePrev_Cnt_M_enum	0
StrtStop_StOpMode_Cnt_M_enum	1
StrtStop_StopModeTimer1_mS_M_u32	483847168
StrtStop_StopModeTimer2_mS_M_u32	4021606912
k_AlgEnable_Cnt_lgc	1
k_FltRspRampDnRt_UlspS_f32	397.794098
k_Mode1AssistDD_Uls_f32	1
k_Mode1AssistSlew_UlspS_f32	229.736298
k_Mode1EngTransThresh_Rpm_f32	7346.96924
k_Mode1VehSpdTransThresh_Kph_f32	66.4962997
k_Mode2AssistDD_Uls_f32	1
k_Mode2AssistSlew_UlspS_f32	195.595993
k_Mode2VehSpdTransThresh_Kph_f32	67.5594025
k_NormalModeAssistSlew_UlspS_f32	401.337097
k_NormalModeEngTransThresh_Rpm_f32	14044.8008
k_NormalModeVehSpdTransThresh_Kph_f32	174.611801
k_StopMode1AssistSlew_UlspS_f32	343.599915
k_StopMode1HwTrqTransThresh_HwNm_f32	4.54440022
k_StopMode1HwVelTransThresh_HwDegpS_f32	164.142105
k_StopMode1Timer_Sec_u16	1
k_StopMode1VehSpdTransThresh_Kph_f32	94.895401
k_StopMode2AssistSlew_UlspS_f32	62.7659988
k_StopMode2HwTrqTransThresh_HwNm_f32	10
k_StopMode2HwVelTransThresh_HwDegpS_f32	120.321198
k_StopMode2Timer_Sec_u16	5
k_StopMode2VehSpdTransThresh_Kph_f32	3.05270004
k_StopModeAssistDD_Uls_f32	0.00109999999
target_DtrmnElapsedTime_mS_u32_ElapsedTime	295900
target_GetSystemTime_mS_u32_CurrentTime	77050
target_Rte_Inst_Ap_GMStrtStop.StrtStop_Per1_APASState_State_enum	target_StrtStop_Per1_APASState_State_enum
target_Rte_Inst_Ap_GMStrtStop.StrtStop_Per1_EngSpd_Rpm_f32	target_StrtStop_Per1_EngSpd_Rpm_f32
target_Rte_Inst_Ap_GMStrtStop.StrtStop_Per1_HandwheelVelocity_HwRadpS_f32	target_StrtStop_Per1_HandwheelVelocity_HwRadpS_f32
target_Rte_Inst_Ap_GMStrtStop.StrtStop_Per1_HwTorque_HwNm_f32	target_StrtStop_Per1_HwTorque_HwNm_f32
target_Rte_Inst_Ap_GMStrtStop.StrtStop_Per1_SS12VFault_Cnt_lgc	target_StrtStop_Per1_SS12VFault_Cnt_lgc
target_Rte_Inst_Ap_GMStrtStop.StrtStop_Per1_SSScale_Uls_f32	target_StrtStop_Per1_SSScale_Uls_f32
target_Rte_Inst_Ap_GMStrtStop.StrtStop_Per1_SSSlew_UlspS_f32	target_StrtStop_Per1_SSSlew_UlspS_f32
target_Rte_Inst_Ap_GMStrtStop.StrtStop_Per1_SSState_State_enum	target_StrtStop_Per1_SSState_State_enum
target_Rte_Inst_Ap_GMStrtStop.StrtStop_Per1_VehicleSpeed_Kph_f32	target_StrtStop_Per1_VehicleSpeed_Kph_f32
target_StrtStop_Per1_APASState_State_enum.value	1
target_StrtStop_Per1_EngSpd_Rpm_f32.value	0
target_StrtStop_Per1_HandwheelVelocity_HwRadpS_f32.value	0
target_StrtStop_Per1_HwTorque_HwNm_f32.value	0
target_StrtStop_Per1_SS12VFault_Cnt_lgc.value	0
target_StrtStop_Per1_VehicleSpeed_Kph_f32.value	0

Name	Actual Value	Expected Value	Result
StrtStop_SSScale_Uls_M_f32	0.00109999999	0.00109999999	✓
StrtStop_SSSlewRatePrev_UlspS_M_f32	397.794098	397.794098 ± 0.1	✓
StrtStop_StOpModePrevPrev_Cnt_M_enum	0	0	✓
StrtStop_StOpModePrev_Cnt_M_enum	2	2	✓
StrtStop_StOpMode_Cnt_M_enum	2	2	✓
StrtStop_StopModeTimer1_mS_M_u32	483847168	483847168	✓
StrtStop_StopModeTimer2_mS_M_u32	4021606912	4021606912	✓
target_StrtStop_Per1_SSScale_Uls_f32.value	0.00109999999	0.00109999999 ± 0.0001	✓
target_StrtStop_Per1_SSSlew_UlspS_f32.value	397.794098	397.794098 ± 0.1	✓
target_StrtStop_Per1_SSState_State_enum.value	2	2	✓

## Test Step Call Trace

Actual Function	Count	Expected Function	Count	Result
DtrmnElapsedTime_mS_u32	1	DtrmnElapsedTime_mS_u32	1	✓
PreviousStCalc	1	PreviousStCalc	1	✓
SlewRateCalc	1	SlewRateCalc	1	✓



# TEST DETAILS REPORT

2016-07-18, 16:07:36+0530



StrtStop\_Per1

Test Step 2.85 (Repeat Count = 1)				
Name	Input Value			
DtrmnElapsedTime_mS_u32(ElapsedTime)	target_DtrmnElapsedTime_mS_u32_ElapsedTime			
GetSystemTime_mS_u32(CurrentTime)	target_GetSystemTime_mS_u32_CurrentTime			
Rte_Inst_Ap_GMStrtStop	target_Rte_Inst_Ap_GMStrtStop			
StrtStop_SSScale_Uls_M_f32	1			
StrtStop_SSSlewRatePrev_UlspS_M_f32	40.5766983			
StrtStop_StOpModePrevPrev_Cnt_M_enum	4			
StrtStop_StOpModePrev_Cnt_M_enum	0			
StrtStop_StOpMode_Cnt_M_enum	2			
StrtStop_StopModeTimer1_mS_M_u32	1986848256			
StrtStop_StopModeTimer2_mS_M_u32	1935492096			
k_AlgEnable_Cnt_lgc	1			
k_FltRspRampDnRt_UlspS_f32	71.9817963			
k_Mode1AssistDD_Uls_f32	0.333400011			
k_Mode1AssistSlew_UlspS_f32	385.610504			
k_Mode1EngTransThresh_Rpm_f32	10729.3369			
k_Mode1VehSpdTransThresh_Kph_f32	88.285202			
k_Mode2AssistDD_Uls_f32	1			
k_Mode2AssistSlew_UlspS_f32	0.100000001			
k_Mode2VehSpdTransThresh_Kph_f32	0			
k_NormalModeAssistSlew_UlspS_f32	335.142212			
k_NormalModeEngTransThresh_Rpm_f32	12619.4023			
k_NormalModeVehSpdTransThresh_Kph_f32	58.6409988			
k_StopMode1AssistSlew_UlspS_f32	287.997894			
k_StopMode1HwTrqTransThresh_HwNm_f32	4.75969982			
k_StopMode1HwVelTransThresh_HwDegpS_f32	178.477707			
k_StopMode1Timer_Sec_u16	3			
k_StopMode1VehSpdTransThres_Kph_f32	54.7714996			
k_StopMode2AssistSlew_UlspS_f32	80.6860962			
k_StopMode2HwTrqTransThresh_HwNm_f32	3.65459991			
k_StopMode2HwVelTransThresh_HwDegpS_f32	147.985306			
k_StopMode2Timer_Sec_u16	2			
k_StopMode2VehSpdTransThresh_Kph_f32	125.954697			
k_StopModeAssistDD_Uls_f32	1			
target_DtrmnElapsedTime_mS_u32_ElapsedTime	471000			
target_GetSystemTime_mS_u32_CurrentTime	0			
target_Rte_Inst_Ap_GMStrtStop.StrtStop_Per1_APASState_State_enum	target_StrtStop_Per1_APASState_State_enum			
target_Rte_Inst_Ap_GMStrtStop.StrtStop_Per1_EngSpd_Rpm_f32	target_StrtStop_Per1_EngSpd_Rpm_f32			
target_Rte_Inst_Ap_GMStrtStop.StrtStop_Per1_HandwheelVelocity_HwRadpS_f32	target_StrtStop_Per1_HandwheelVelocity_HwRadpS_f32			
target_Rte_Inst_Ap_GMStrtStop.StrtStop_Per1_HwTorque_HwNm_f32	target_StrtStop_Per1_HwTorque_HwNm_f32			
target_Rte_Inst_Ap_GMStrtStop.StrtStop_Per1_SS12VFault_Cnt_lgc	target_StrtStop_Per1_SS12VFault_Cnt_lgc			
target_Rte_Inst_Ap_GMStrtStop.StrtStop_Per1_SSScale_Uls_f32	target_StrtStop_Per1_SSScale_Uls_f32			
target_Rte_Inst_Ap_GMStrtStop.StrtStop_Per1_SSSlew_UlspS_f32	target_StrtStop_Per1_SSSlew_UlspS_f32			
target_Rte_Inst_Ap_GMStrtStop.StrtStop_Per1_SSState_State_enum	target_StrtStop_Per1_SSState_State_enum			
target_Rte_Inst_Ap_GMStrtStop.StrtStop_Per1_VehicleSpeed_Kph_f32	target_StrtStop_Per1_VehicleSpeed_Kph_f32			
target_StrtStop_Per1_APASState_State_enum.value	4			
target_StrtStop_Per1_EngSpd_Rpm_f32.value	0			
target_StrtStop_Per1_HandwheelVelocity_HwRadpS_f32.value	-10.1543999			
target_StrtStop_Per1_HwTorque_HwNm_f32.value	9.5941			
target_StrtStop_Per1_SS12VFault_Cnt_lgc.value	0			
target_StrtStop_Per1_VehicleSpeed_Kph_f32.value	30.7996006			
Name	Actual Value	Expected Value	Result	
StrtStop_SSScale_Uls_M_f32	1	1	✓	
StrtStop_SSSlewRatePrev_UlspS_M_f32	71.9817963	71.9817963 ± 0.1	✓	
StrtStop_StOpModePrevPrev_Cnt_M_enum	0	0	✓	
StrtStop_StOpModePrev_Cnt_M_enum	3	3	✓	
StrtStop_StOpMode_Cnt_M_enum	3	3	✓	
StrtStop_StopModeTimer1_mS_M_u32	1986848256	1986848256	✓	
StrtStop_StopModeTimer2_mS_M_u32	0	0	✓	
target_StrtStop_Per1_SSScale_Uls_f32.value	1	1 ± 0.0001	✓	
target_StrtStop_Per1_SSSlew_UlspS_f32.value	71.9817963	71.9817963 ± 0.1	✓	
target_StrtStop_Per1_SSState_State_enum.value	3	3	✓	

Test Step Call Trace				
Actual Function	Count	Expected Function	Count	Result
GetSystemTime_mS_u32	1	GetSystemTime_mS_u32	1	✓
PreviousStCalc	1	PreviousStCalc	1	✓
SlewRateCalc	1	SlewRateCalc	1	✓

# TEST DETAILS REPORT

2016-07-18, 16:07:36+0530



StrtStop\_Per1

## Test Step 2.86 (Repeat Count = 1)

Name	Input Value
DtrmnElapsedTime_mS_u32(ElapsedTime)	target_DtrmnElapsedTime_mS_u32_ElapsedTime
GetSystemTime_mS_u32(CurrentTime)	target_GetSystemTime_mS_u32_CurrentTime
Rte_Inst_Ap_GMStrtStop	target_Rte_Inst_Ap_GMStrtStop
StrtStop_SSScale_Uls_M_f32	1
StrtStop_SSSlewRatePrev_UlspS_M_f32	360.911102
StrtStop_StOpModePrevPrev_Cnt_M_enum	4
StrtStop_StOpModePrev_Cnt_M_enum	3
StrtStop_StOpMode_Cnt_M_enum	2
StrtStop_StopModeTimer1_mS_M_u32	2607812864
StrtStop_StopModeTimer2_mS_M_u32	1670838016
k_AlgEnable_Cnt_lgc	1
k_FltRspRampDnRt_UlspS_f32	99.7701035
k_Mode1AssistDD_Uls_f32	0.0491000004
k_Mode1AssistSlew_UlspS_f32	371.695313
k_Mode1EngTransThresh_Rpm_f32	815.190613
k_Mode1VehSpdTransThresh_Kph_f32	87.7738037
k_Mode2AssistDD_Uls_f32	0.309799999
k_Mode2AssistSlew_UlspS_f32	500
k_Mode2VehSpdTransThresh_Kph_f32	0
k_NormalModeAssistSlew_UlspS_f32	189.737503
k_NormalModeEngTransThresh_Rpm_f32	1043.2655
k_NormalModeVehSpdTransThresh_Kph_f32	0.414499998
k_StopMode1AssistSlew_UlspS_f32	410.842407
k_StopMode1HwTrqTransThresh_HwNm_f32	3.99180007
k_StopMode1HwVelTransThresh_HwDegpS_f32	119.024902
k_StopMode1Timer_Sec_u16	2
k_StopMode1VehSpdTransThres_Kph_f32	172.5383
k_StopMode2AssistSlew_UlspS_f32	60.6944008
k_StopMode2HwTrqTransThresh_HwNm_f32	4.68730021
k_StopMode2HwVelTransThresh_HwDegpS_f32	179.402893
k_StopMode2Timer_Sec_u16	1
k_StopMode2VehSpdTransThresh_Kph_f32	197.308304
k_StopModeAssistDD_Uls_f32	0.477100015
target_DtrmnElapsedTime_mS_u32_ElapsedTime	476150
target_GetSystemTime_mS_u32_CurrentTime	4294967295
target_Rte_Inst_Ap_GMStrtStop.StrtStop_Per1_APASState_State_enum	target_StrtStop_Per1_APASState_State_enum
target_Rte_Inst_Ap_GMStrtStop.StrtStop_Per1_EngSpd_Rpm_f32	target_StrtStop_Per1_EngSpd_Rpm_f32
target_Rte_Inst_Ap_GMStrtStop.StrtStop_Per1_HandwheelVelocity_HwRadpS_f32	target_StrtStop_Per1_HandwheelVelocity_HwRadpS_f32
target_Rte_Inst_Ap_GMStrtStop.StrtStop_Per1_HwTorque_HwNm_f32	target_StrtStop_Per1_HwTorque_HwNm_f32
target_Rte_Inst_Ap_GMStrtStop.StrtStop_Per1_SS12VFault_Cnt_lgc	target_StrtStop_Per1_SS12VFault_Cnt_lgc
target_Rte_Inst_Ap_GMStrtStop.StrtStop_Per1_SSScale_Uls_f32	target_StrtStop_Per1_SSScale_Uls_f32
target_Rte_Inst_Ap_GMStrtStop.StrtStop_Per1_SSSlew_UlspS_f32	target_StrtStop_Per1_SSSlew_UlspS_f32
target_Rte_Inst_Ap_GMStrtStop.StrtStop_Per1_SSState_State_enum	target_StrtStop_Per1_SSState_State_enum
target_Rte_Inst_Ap_GMStrtStop.StrtStop_Per1_VehicleSpeed_Kph_f32	target_StrtStop_Per1_VehicleSpeed_Kph_f32
target_StrtStop_Per1_APASState_State_enum.value	0
target_StrtStop_Per1_EngSpd_Rpm_f32.value	0
target_StrtStop_Per1_HandwheelVelocity_HwRadpS_f32.value	-52.5583992
target_StrtStop_Per1_HwTorque_HwNm_f32.value	10
target_StrtStop_Per1_SS12VFault_Cnt_lgc.value	0
target_StrtStop_Per1_VehicleSpeed_Kph_f32.value	39.7981987

Name	Actual Value	Expected Value	Result
StrtStop_SSScale_Uls_M_f32	0.309799999	0.309799999	✓
StrtStop_SSSlewRatePrev_UlspS_M_f32	99.7701035	99.7701035 ± 0.1	✓
StrtStop_StOpModePrevPrev_Cnt_M_enum	4	4	✓
StrtStop_StOpModePrev_Cnt_M_enum	3	3	✓
StrtStop_StOpMode_Cnt_M_enum	3	3	✓
StrtStop_StopModeTimer1_mS_M_u32	2607812864	2607812864	✓
StrtStop_StopModeTimer2_mS_M_u32	4294967295	4294967295	✓
target_StrtStop_Per1_SSScale_Uls_f32.value	0.309799999	0.309799999 ± 0.0001	✓
target_StrtStop_Per1_SSSlew_UlspS_f32.value	99.7701035	99.7701035 ± 0.1	✓
target_StrtStop_Per1_SSState_State_enum.value	3	3	✓

## Test Step Call Trace

Actual Function	Count	Expected Function	Count	Result
GetSystemTime_mS_u32	1	GetSystemTime_mS_u32	1	✓
PreviousStCalc	1	PreviousStCalc	1	✓
SlewRateCalc	1	SlewRateCalc	1	✓

# TEST DETAILS REPORT

2016-07-18, 16:07:36+0530



StrtStop\_Per1

Test Step 2.87 (Repeat Count = 1) ✓				
Name	Input Value			
DtrmnElapsedTime_mS_u32(ElapsedTime)	target_DtrmnElapsedTime_mS_u32_ElapsedTime			
GetSystemTime_mS_u32(CurrentTime)	target_GetSystemTime_mS_u32_CurrentTime			
Rte_Inst_Ap_GMStrtStop	target_Rte_Inst_Ap_GMStrtStop			
StrtStop_SSScale_Uls_M_f32	0.855499983			
StrtStop_SSSlewRatePrev_UlspS_M_f32	134.473801			
StrtStop_StOpModePrevPrev_Cnt_M_enum	3			
StrtStop_StOpModePrev_Cnt_M_enum	5			
StrtStop_StOpMode_Cnt_M_enum	2			
StrtStop_StopModeTimer1_mS_M_u32	2194837504			
StrtStop_StopModeTimer2_mS_M_u32	3447053824			
k_AlgEnable_Cnt_lgc	1			
k_FltRspRampDnRt_UlspS_f32	291.649414			
k_Mode1AssistDD_Uls_f32	0.354900002			
k_Mode1AssistSlew_UlspS_f32	32.476799			
k_Mode1EngTransThresh_Rpm_f32	14343.8867			
k_Mode1VehSpdTransThresh_Kph_f32	74.2304993			
k_Mode2AssistDD_Uls_f32	0.977599978			
k_Mode2AssistSlew_UlspS_f32	195.123795			
k_Mode2VehSpdTransThresh_Kph_f32	0			
k_NormalModeAssistSlew_UlspS_f32	326.18811			
k_NormalModeEngTransThresh_Rpm_f32	6205.32129			
k_NormalModeVehSpdTransThresh_Kph_f32	36.0597992			
k_StopMode1AssistSlew_UlspS_f32	363.045105			
k_StopMode1HwTrqTransThresh_HwNm_f32	2.70440006			
k_StopMode1HwVelTransThresh_HwDegpS_f32	49.6158981			
k_StopMode1Timer_Sec_u16	5			
k_StopMode1VehSpdTransThres_Kph_f32	193.892197			
k_StopMode2AssistSlew_UlspS_f32	197.314804			
k_StopMode2HwTrqTransThresh_HwNm_f32	9.85219955			
k_StopMode2HwVelTransThresh_HwDegpS_f32	244.154694			
k_StopMode2Timer_Sec_u16	3			
k_StopMode2VehSpdTransThresh_Kph_f32	32.7490997			
k_StopModeAssistDD_Uls_f32	0.105800003			
target_DtrmnElapsedTime_mS_u32_ElapsedTime	481300			
target_GetSystemTime_mS_u32_CurrentTime	125650			
target_Rte_Inst_Ap_GMStrtStop.StrtStop_Per1_APASState_State_enum	target_StrtStop_Per1_APASState_State_enum			
target_Rte_Inst_Ap_GMStrtStop.StrtStop_Per1_EngSpd_Rpm_f32	target_StrtStop_Per1_EngSpd_Rpm_f32			
target_Rte_Inst_Ap_GMStrtStop.StrtStop_Per1_HandwheelVelocity_HwRadpS_f32	target_StrtStop_Per1_HandwheelVelocity_HwRadpS_f32			
target_Rte_Inst_Ap_GMStrtStop.StrtStop_Per1_HwTorque_HwNm_f32	target_StrtStop_Per1_HwTorque_HwNm_f32			
target_Rte_Inst_Ap_GMStrtStop.StrtStop_Per1_SS12VFault_Cnt_lgc	target_StrtStop_Per1_SS12VFault_Cnt_lgc			
target_Rte_Inst_Ap_GMStrtStop.StrtStop_Per1_SSScale_Uls_f32	target_StrtStop_Per1_SSScale_Uls_f32			
target_Rte_Inst_Ap_GMStrtStop.StrtStop_Per1_SSSlew_UlspS_f32	target_StrtStop_Per1_SSSlew_UlspS_f32			
target_Rte_Inst_Ap_GMStrtStop.StrtStop_Per1_SSState_State_enum	target_StrtStop_Per1_SSState_State_enum			
target_Rte_Inst_Ap_GMStrtStop.StrtStop_Per1_VehicleSpeed_Kph_f32	target_StrtStop_Per1_VehicleSpeed_Kph_f32			
target_StrtStop_Per1_APASState_State_enum.value	0			
target_StrtStop_Per1_EngSpd_Rpm_f32.value	0			
target_StrtStop_Per1_HandwheelVelocity_HwRadpS_f32.value	76.5552979			
target_StrtStop_Per1_HwTorque_HwNm_f32.value	7.63129997			
target_StrtStop_Per1_SS12VFault_Cnt_lgc.value	0			
target_StrtStop_Per1_VehicleSpeed_Kph_f32.value	75.4552002			
Name	Actual Value	Expected Value	Result	
StrtStop_SSScale_Uls_M_f32	0.977599978	0.977599978	✓	
StrtStop_SSSlewRatePrev_UlspS_M_f32	1	1 ± 0.1	✓	
StrtStop_StOpModePrevPrev_Cnt_M_enum	5	5	✓	
StrtStop_StOpModePrev_Cnt_M_enum	3	3	✓	
StrtStop_StOpMode_Cnt_M_enum	3	3	✓	
StrtStop_StopModeTimer1_mS_M_u32	2194837504	2194837504	✓	
StrtStop_StopModeTimer2_mS_M_u32	125650	125650	✓	
target_StrtStop_Per1_SSScale_Uls_f32.value	0.977599978	0.977599978 ± 0.0001	✓	
target_StrtStop_Per1_SSSlew_UlspS_f32.value	1	1 ± 0.1	✓	
target_StrtStop_Per1_SSState_State_enum.value	3	3	✓	

Test Step Call Trace ✓				
Actual Function	Count	Expected Function	Count	Result
GetSystemTime_mS_u32	1	GetSystemTime_mS_u32	1	✓
PreviousStCalc	1	PreviousStCalc	1	✓
SlewRateCalc	1	SlewRateCalc	1	✓

# TEST DETAILS REPORT

2016-07-18, 16:07:36+0530



StrtStop\_Per1

## Test Step 2.88 (Repeat Count = 1)

Name	Input Value
DtrmnElapsedTime_mS_u32(ElapsedTime)	target_DtrmnElapsedTime_mS_u32_ElapsedTime
GetSystemTime_mS_u32(CurrentTime)	target_GetSystemTime_mS_u32_CurrentTime
Rte_Inst_Ap_GMStrtStop	target_Rte_Inst_Ap_GMStrtStop
StrtStop_SSScale_Uls_M_f32	0.919200003
StrtStop_SSSlewRatePrev_UlspS_M_f32	457.157196
StrtStop_StOpModePrevPrev_Cnt_M_enum	2
StrtStop_StOpModePrev_Cnt_M_enum	1
StrtStop_StOpMode_Cnt_M_enum	1
StrtStop_StopModeTimer1_mS_M_u32	2036798208
StrtStop_StopModeTimer2_mS_M_u32	271919360
k_AlgEnable_Cnt_lgc	1
k_FltRspRampDnRt_UlspS_f32	236.447403
k_Mode1AssistDD_Uls_f32	0.454400003
k_Mode1AssistSlew_UlspS_f32	283.343201
k_Mode1EngTransThresh_Rpm_f32	894.039917
k_Mode1VehSpdTransThresh_Kph_f32	197.780304
k_Mode2AssistDD_Uls_f32	1
k_Mode2AssistSlew_UlspS_f32	67.2693024
k_Mode2VehSpdTransThresh_Kph_f32	109.674797
k_NormalModeAssistSlew_UlspS_f32	409.145508
k_NormalModeEngTransThresh_Rpm_f32	566.60498
k_NormalModeVehSpdTransThresh_Kph_f32	82.4135971
k_StopMode1AssistSlew_UlspS_f32	389.497101
k_StopMode1HwTrqTransThresh_HwNm_f32	2.90280008
k_StopMode1HwVelTransThresh_HwDegpS_f32	44.207901
k_StopMode1Timer_Sec_u16	1
k_StopMode1VehSpdTransThresh_Kph_f32	149.054596
k_StopMode2AssistSlew_UlspS_f32	0.100000001
k_StopMode2HwTrqTransThresh_HwNm_f32	4.63170004
k_StopMode2HwVelTransThresh_HwDegpS_f32	247.448303
k_StopMode2Timer_Sec_u16	1
k_StopMode2VehSpdTransThresh_Kph_f32	13.6091003
k_StopModeAssistDD_Uls_f32	1
target_DtrmnElapsedTime_mS_u32_ElapsedTime	0
target_GetSystemTime_mS_u32_CurrentTime	127000
target_Rte_Inst_Ap_GMStrtStop.StrtStop_Per1_APASState_State_enum	target_StrtStop_Per1_APASState_State_enum
target_Rte_Inst_Ap_GMStrtStop.StrtStop_Per1_EngSpd_Rpm_f32	target_StrtStop_Per1_EngSpd_Rpm_f32
target_Rte_Inst_Ap_GMStrtStop.StrtStop_Per1_HandwheelVelocity_HwRadpS_f32	target_StrtStop_Per1_HandwheelVelocity_HwRadpS_f32
target_Rte_Inst_Ap_GMStrtStop.StrtStop_Per1_HwTorque_HwNm_f32	target_StrtStop_Per1_HwTorque_HwNm_f32
target_Rte_Inst_Ap_GMStrtStop.StrtStop_Per1_SS12VFault_Cnt_lgc	target_StrtStop_Per1_SS12VFault_Cnt_lgc
target_Rte_Inst_Ap_GMStrtStop.StrtStop_Per1_SSScale_Uls_f32	target_StrtStop_Per1_SSScale_Uls_f32
target_Rte_Inst_Ap_GMStrtStop.StrtStop_Per1_SSSlew_UlspS_f32	target_StrtStop_Per1_SSSlew_UlspS_f32
target_Rte_Inst_Ap_GMStrtStop.StrtStop_Per1_SSState_State_enum	target_StrtStop_Per1_SSState_State_enum
target_Rte_Inst_Ap_GMStrtStop.StrtStop_Per1_VehicleSpeed_Kph_f32	target_StrtStop_Per1_VehicleSpeed_Kph_f32
target_StrtStop_Per1_APASState_State_enum.value	0
target_StrtStop_Per1_EngSpd_Rpm_f32.value	2462.81299
target_StrtStop_Per1_HandwheelVelocity_HwRadpS_f32.value	22.6970005
target_StrtStop_Per1_HwTorque_HwNm_f32.value	-1.40419996
target_StrtStop_Per1_SS12VFault_Cnt_lgc.value	0
target_StrtStop_Per1_VehicleSpeed_Kph_f32.value	19.2126007

Name	Actual Value	Expected Value	Result
StrtStop_SSScale_Uls_M_f32	1	1	✓
StrtStop_SSSlewRatePrev_UlspS_M_f32	409.145508	409.145508 ± 0.1	✓
StrtStop_StOpModePrevPrev_Cnt_M_enum	1	1	✓
StrtStop_StOpModePrev_Cnt_M_enum	0	0	✓
StrtStop_StOpMode_Cnt_M_enum	0	0	✓
StrtStop_StopModeTimer1_mS_M_u32	2036798208	2036798208	✓
StrtStop_StopModeTimer2_mS_M_u32	271919360	271919360	✓
target_StrtStop_Per1_SSScale_Uls_f32.value	1	1 ± 0.0001	✓
target_StrtStop_Per1_SSSlew_UlspS_f32.value	409.145508	409.145508 ± 0.1	✓
target_StrtStop_Per1_SSState_State_enum.value	0	0	✓

## Test Step Call Trace

Actual Function	Count	Expected Function	Count	Result
DtrmnElapsedTime_mS_u32	1	DtrmnElapsedTime_mS_u32	1	✓
PreviousStCalc	1	PreviousStCalc	1	✓
SlewRateCalc	1	SlewRateCalc	1	✓

# TEST DETAILS REPORT

2016-07-18, 16:07:36+0530



StrtStop\_Per1

Test Step 2.89 (Repeat Count = 1)				
Name	Input Value			
DtrmnElapsedTime_mS_u32(ElapsedTime)	target_DtrmnElapsedTime_mS_u32_ElapsedTime			
GetSystemTime_mS_u32(CurrentTime)	target_GetSystemTime_mS_u32_CurrentTime			
Rte_Inst_Ap_GMStrtStop	target_Rte_Inst_Ap_GMStrtStop			
StrtStop_SSScale_Uls_M_f32	0.920899987			
StrtStop_SSSlewRatePrev_UlspS_M_f32	26.7858009			
StrtStop_StOpModePrevPrev_Cnt_M_enum	3			
StrtStop_StOpModePrev_Cnt_M_enum	2			
StrtStop_StOpMode_Cnt_M_enum	3			
StrtStop_StopModeTimer1_mS_M_u32	2138409472			
StrtStop_StopModeTimer2_mS_M_u32	920864768			
k_AlgEnable_Cnt_lgc	1			
k_FltRspRampDnRt_UlspS_f32	312.139496			
k_Mode1AssistDD_Uls_f32	0.978100002			
k_Mode1AssistSlew_UlspS_f32	46.6551018			
k_Mode1EngTransThresh_Rpm_f32	7965.05811			
k_Mode1VehSpdTransThresh_Kph_f32	68.3089981			
k_Mode2AssistDD_Uls_f32	0.634899974			
k_Mode2AssistSlew_UlspS_f32	75.7225037			
k_Mode2VehSpdTransThresh_Kph_f32	85.6202011			
k_NormalModeAssistSlew_UlspS_f32	405.189697			
k_NormalModeEngTransThresh_Rpm_f32	11493.4795			
k_NormalModeVehSpdTransThresh_Kph_f32	73.9213028			
k_StopMode1AssistSlew_UlspS_f32	128.754395			
k_StopMode1HwTrqTransThresh_HwNm_f32	1.61140001			
k_StopMode1HwVelTransThresh_HwDegpS_f32	58.1492004			
k_StopMode1Timer_Sec_u16	4			
k_StopMode1VehSpdTransThres_Kph_f32	12.3327999			
k_StopMode2AssistSlew_UlspS_f32	500			
k_StopMode2HwTrqTransThresh_HwNm_f32	5.28299999			
k_StopMode2HwVelTransThresh_HwDegpS_f32	131.232697			
k_StopMode2Timer_Sec_u16	0			
k_StopMode2VehSpdTransThresh_Kph_f32	89.4188995			
k_StopModeAssistDD_Uls_f32	1			
target_DtrmnElapsedTime_mS_u32_ElapsedTime	4294967295			
target_GetSystemTime_mS_u32_CurrentTime	128350			
target_Rte_Inst_Ap_GMStrtStop.StrtStop_Per1_APASState_State_enum	target_StrtStop_Per1_APASState_State_enum			
target_Rte_Inst_Ap_GMStrtStop.StrtStop_Per1_EngSpd_Rpm_f32	target_StrtStop_Per1_EngSpd_Rpm_f32			
target_Rte_Inst_Ap_GMStrtStop.StrtStop_Per1_HandwheelVelocity_HwRadpS_f32	target_StrtStop_Per1_HandwheelVelocity_HwRadpS_f32			
target_Rte_Inst_Ap_GMStrtStop.StrtStop_Per1_HwTorque_HwNm_f32	target_StrtStop_Per1_HwTorque_HwNm_f32			
target_Rte_Inst_Ap_GMStrtStop.StrtStop_Per1_SS12VFault_Cnt_lgc	target_StrtStop_Per1_SS12VFault_Cnt_lgc			
target_Rte_Inst_Ap_GMStrtStop.StrtStop_Per1_SSScale_Uls_f32	target_StrtStop_Per1_SSScale_Uls_f32			
target_Rte_Inst_Ap_GMStrtStop.StrtStop_Per1_SSSlew_UlspS_f32	target_StrtStop_Per1_SSSlew_UlspS_f32			
target_Rte_Inst_Ap_GMStrtStop.StrtStop_Per1_SSState_State_enum	target_StrtStop_Per1_SSState_State_enum			
target_Rte_Inst_Ap_GMStrtStop.StrtStop_Per1_VehicleSpeed_Kph_f32	target_StrtStop_Per1_VehicleSpeed_Kph_f32			
target_StrtStop_Per1_APASState_State_enum.value	0			
target_StrtStop_Per1_EngSpd_Rpm_f32.value	8680.9873			
target_StrtStop_Per1_HandwheelVelocity_HwRadpS_f32.value	-24.7390995			
target_StrtStop_Per1_HwTorque_HwNm_f32.value	6.91079998			
target_StrtStop_Per1_SS12VFault_Cnt_lgc.value	0			
target_StrtStop_Per1_VehicleSpeed_Kph_f32.value	123.692596			
Name	Actual Value	Expected Value	Result	
StrtStop_SSScale_Uls_M_f32	1	1	✓	
StrtStop_SSSlewRatePrev_UlspS_M_f32	405.189697	405.189697 ± 0.1	✓	
StrtStop_StOpModePrevPrev_Cnt_M_enum	2	2	✓	
StrtStop_StOpModePrev_Cnt_M_enum	0	0	✓	
StrtStop_StOpMode_Cnt_M_enum	0	0	✓	
StrtStop_StopModeTimer1_mS_M_u32	2138409472	2138409472	✓	
StrtStop_StopModeTimer2_mS_M_u32	920864768	920864768	✓	
target_StrtStop_Per1_SSScale_Uls_f32.value	1	1 ± 0.0001	✓	
target_StrtStop_Per1_SSSlew_UlspS_f32.value	405.189697	405.189697 ± 0.1	✓	
target_StrtStop_Per1_SSState_State_enum.value	0	0	✓	

Test Step Call Trace				
Actual Function	Count	Expected Function	Count	Result
DtrmnElapsedTime_mS_u32	1	DtrmnElapsedTime_mS_u32	1	✓
PreviousStCalc	1	PreviousStCalc	1	✓
SlewRateCalc	1	SlewRateCalc	1	✓

# TEST DETAILS REPORT

2016-07-18, 16:07:36+0530



StrtStop\_Per1

## Test Step 2.90 (Repeat Count = 1)

Name	Input Value
DtrmnElapsedTime_mS_u32(ElapsedTime)	target_DtrmnElapsedTime_mS_u32_ElapsedTime
GetSystemTime_mS_u32(CurrentTime)	target_GetSystemTime_mS_u32_CurrentTime
Rte_Inst_Ap_GMStrtStop	target_Rte_Inst_Ap_GMStrtStop
StrtStop_SSScale_Uls_M_f32	1
StrtStop_SSSlewRatePrev_UlspS_M_f32	299.682587
StrtStop_StOpModePrevPrev_Cnt_M_enum	3
StrtStop_StOpModePrev_Cnt_M_enum	5
StrtStop_StOpMode_Cnt_M_enum	1
StrtStop_StopModeTimer1_mS_M_u32	3756401920
StrtStop_StopModeTimer2_mS_M_u32	2786388736
k_AlgEnable_Cnt_lgc	1
k_FltRspRampDnRt_UlspS_f32	448.723389
k_Mode1AssistDD_Uls_f32	1
k_Mode1AssistSlew_UlspS_f32	54.2549019
k_Mode1EngTransThresh_Rpm_f32	7735.96436
k_Mode1VehSpdTransThresh_Kph_f32	72.376503
k_Mode2AssistDD_Uls_f32	0.145099998
k_Mode2AssistSlew_UlspS_f32	447.040985
k_Mode2VehSpdTransThresh_Kph_f32	83.0836029
k_NormalModeAssistSlew_UlspS_f32	26.6767998
k_NormalModeEngTransThresh_Rpm_f32	7945.19482
k_NormalModeVehSpdTransThresh_Kph_f32	147.378494
k_StopMode1AssistSlew_UlspS_f32	46.3614006
k_StopMode1HwTrqTransThresh_HwNm_f32	9.63679981
k_StopMode1HwVelTransThresh_HwDegpS_f32	195.735901
k_StopMode1Timer_Sec_u16	4
k_StopMode1VehSpdTransThresh_Kph_f32	67.8897018
k_StopMode2AssistSlew_UlspS_f32	166.388397
k_StopMode2HwTrqTransThresh_HwNm_f32	0.922100008
k_StopMode2HwVelTransThresh_HwDegpS_f32	92.946701
k_StopMode2Timer_Sec_u16	5
k_StopMode2VehSpdTransThresh_Kph_f32	146.007706
k_StopModeAssistDD_Uls_f32	0.370400012
target_DtrmnElapsedTime_mS_u32_ElapsedTime	496750
target_GetSystemTime_mS_u32_CurrentTime	129700
target_Rte_Inst_Ap_GMStrtStop.StrtStop_Per1_APASState_State_enum	target_StrtStop_Per1_APASState_State_enum
target_Rte_Inst_Ap_GMStrtStop.StrtStop_Per1_EngSpd_Rpm_f32	target_StrtStop_Per1_EngSpd_Rpm_f32
target_Rte_Inst_Ap_GMStrtStop.StrtStop_Per1_HandwheelVelocity_HwRadpS_f32	target_StrtStop_Per1_HandwheelVelocity_HwRadpS_f32
target_Rte_Inst_Ap_GMStrtStop.StrtStop_Per1_HwTorque_HwNm_f32	target_StrtStop_Per1_HwTorque_HwNm_f32
target_Rte_Inst_Ap_GMStrtStop.StrtStop_Per1_SS12VFault_Cnt_lgc	target_StrtStop_Per1_SS12VFault_Cnt_lgc
target_Rte_Inst_Ap_GMStrtStop.StrtStop_Per1_SSScale_Uls_f32	target_StrtStop_Per1_SSScale_Uls_f32
target_Rte_Inst_Ap_GMStrtStop.StrtStop_Per1_SSSlew_UlspS_f32	target_StrtStop_Per1_SSSlew_UlspS_f32
target_Rte_Inst_Ap_GMStrtStop.StrtStop_Per1_SSState_State_enum	target_StrtStop_Per1_SSState_State_enum
target_Rte_Inst_Ap_GMStrtStop.StrtStop_Per1_VehicleSpeed_Kph_f32	target_StrtStop_Per1_VehicleSpeed_Kph_f32
target_StrtStop_Per1_APASState_State_enum.value	0
target_StrtStop_Per1_EngSpd_Rpm_f32.value	3658.08838
target_StrtStop_Per1_HandwheelVelocity_HwRadpS_f32.value	-21.7101002
target_StrtStop_Per1_HwTorque_HwNm_f32.value	10
target_StrtStop_Per1_SS12VFault_Cnt_lgc.value	0
target_StrtStop_Per1_VehicleSpeed_Kph_f32.value	141.183701

Name	Actual Value	Expected Value	Result
StrtStop_SSScale_Uls_M_f32	1	1	✓
StrtStop_SSSlewRatePrev_UlspS_M_f32	1	1 ± 0.1	✓
StrtStop_StOpModePrevPrev_Cnt_M_enum	5	5	✓
StrtStop_StOpModePrev_Cnt_M_enum	1	1	✓
StrtStop_StOpMode_Cnt_M_enum	1	1	✓
StrtStop_StopModeTimer1_mS_M_u32	3756401920	3756401920	✓
StrtStop_StopModeTimer2_mS_M_u32	2786388736	2786388736	✓
target_StrtStop_Per1_SSScale_Uls_f32.value	1	1 ± 0.0001	✓
target_StrtStop_Per1_SSSlew_UlspS_f32.value	1	1 ± 0.1	✓
target_StrtStop_Per1_SSState_State_enum.value	1	1	✓

## Test Step Call Trace

Actual Function	Count	Expected Function	Count	Result
DtrmnElapsedTime_mS_u32	1	DtrmnElapsedTime_mS_u32	1	✓
PreviousStCalc	1	PreviousStCalc	1	✓
SlewRateCalc	1	SlewRateCalc	1	✓



Test Case 3: Path Test





Specification	Performance Metrics: (With "None" Instrumentation and "WithPS" Environment) CPU Cycles:
	TS3.1 328.00 Cycles TS3.2 343.00 Cycles TS3.3 405.00 Cycles TS3.4 391.00 Cycles TS3.5 815.00 Cycles TS3.6 394.00 Cycles TS3.7 418.00 Cycles TS3.8 902.00 Cycles TS3.9 929.00 Cycles TS3.10 955.00 Cycles TS3.11 339.00 Cycles TS3.12 326.00 Cycles TS3.13 918.00 Cycles TS3.14 893.00 Cycles TS3.15 916.00 Cycles TS3.16 925.00 Cycles TS3.17 961.00 Cycles TS3.18 918.00 Cycles TS3.19 930.00 Cycles TS3.20 952.00 Cycles TS3.21 930.00 Cycles TS3.22 938.00 Cycles TS3.23 372.00 Cycles TS3.24 964.00 Cycles TS3.25 947.00 Cycles



# TEST DETAILS REPORT

2016-07-18, 16:07:36+0530



StrtStop\_Per1

Description	Vector Description
	<pre>TS3.1"(k_AlgEnable_Cnt_Igc == FALSE)=true (APASState_State_T_enum == D_APASTNORM_CNT_U08)=false" TS3.2(SS12VFault_Cnt_T_Igc == TRUE)=true TS3.3(VehicleSpeed_Kph_T_f32 &gt; k_Mode2VehSpdTransThresh_Kph_f32)=false TS3.4"(SS12VFault_Cnt_T_Igc == TRUE)=true (APASState_State_T_enum == D_APASTNORM_CNT_U08)=true" TS3.5"(SS12VFault_Cnt_T_Igc == TRUE)=false ((EngSpd_Rpm_T_f32 &lt;= k_Mode1EngTransThresh_Rpm_f32)T &amp;&amp;  (VehicleSpeed_Kph_T_f32 &lt;= k_Mode1VehSpdTransThresh_Kph_f32)T)=true" TS3.6"(SS12VFault_Cnt_T_Igc == TRUE)=false ((EngSpd_Rpm_T_f32 &lt;= k_Mode1EngTransThresh_Rpm_f32)F &amp;&amp;  (VehicleSpeed_Kph_T_f32 &lt;= k_Mode1VehSpdTransThresh_Kph_f32)T)=False" TS3.7"(SS12VFault_Cnt_T_Igc == TRUE)=false ((EngSpd_Rpm_T_f32 &lt;= k_Mode1EngTransThresh_Rpm_f32)T &amp;&amp;  (VehicleSpeed_Kph_T_f32 &lt;= k_Mode1VehSpdTransThresh_Kph_f32)F)=False" TS3.8"( (VehicleSpeed_Kph_T_f32 &gt;= k_NormalModeVehSpdTransThresh_Kph_f32)T     (EngSpd_Rpm_T_f32 &gt; k_NormalModeEngTransThresh_Rpm_f32) )=true" TS3.9"case SS_Intermediate1 :  (EngSpd_Rpm_T_f32 &gt; k_NormalModeEngTransThresh_Rpm_f32) =true" TS3.10"case SS_Stop :  (EngSpd_Rpm_T_f32 &gt; k_NormalModeEngTransThresh_Rpm_f32)=false  (VehicleSpeed_Kph_T_f32 &gt; k_Mode2VehSpdTransThresh_Kph_f32)=true" TS3.11case default : TS3.12"(k_AlgEnable_Cnt_Igc == FALSE)=true " TS3.13"(k_AlgEnable_Cnt_Igc == FALSE)=false case SS_Intermediate1 :  (EngSpd_Rpm_T_f32 &gt; k_NormalModeEngTransThresh_Rpm_f32) =false  ( (VehicleSpeed_Kph_T_f32 &lt;= k_StopMode1VehSpdTransThresh_Kph_f32) &amp;&amp;  (AbsHandwheelVelocity_HwDegpS_T_f32 &lt;= k_StopMode1HwVelTransThresh_HwDegpS_f32) &amp;&amp;  (AbsHwTorque_HwNm_T_f32 &lt;= k_StopMode1HwTrqTransThresh_HwNm_f32) &amp;&amp;  (ElapsedTime1_mS_T_u32 &gt;= ((uint32)k_StopMode1Timer_Sec_u16 * (uint32)D_MSECPERSEC_ULS_F32)) )=false" TS3.14"( (VehicleSpeed_Kph_T_f32 &lt;= k_StopMode1VehSpdTransThresh_Kph_f32)T &amp;&amp;  (AbsHandwheelVelocity_HwDegpS_T_f32 &lt;= k_StopMode1HwVelTransThresh_HwDegpS_f32) F&amp;&amp;  (AbsHwTorque_HwNm_T_f32 &lt;= k_StopMode1HwTrqTransThresh_HwNm_f32) &amp;&amp;  (ElapsedTime1_mS_T_u32 &gt;= ((uint32)k_StopMode1Timer_Sec_u16 * (uint32)D_MSECPERSEC_ULS_F32)) )=false" TS3.15"( (VehicleSpeed_Kph_T_f32 &lt;= k_StopMode1VehSpdTransThresh_Kph_f32) T&amp;&amp;  (AbsHandwheelVelocity_HwDegpS_T_f32 &lt;= k_StopMode1HwVelTransThresh_HwDegpS_f32)T &amp;&amp;  (AbsHwTorque_HwNm_T_f32 &lt;= k_StopMode1HwTrqTransThresh_HwNm_f32)F &amp;&amp;  (ElapsedTime1_mS_T_u32 &gt;= ((uint32)k_StopMode1Timer_Sec_u16 * (uint32)D_MSECPERSEC_ULS_F32)) )=false" TS3.16"( (VehicleSpeed_Kph_T_f32 &lt;= k_StopMode1VehSpdTransThresh_Kph_f32)T &amp;&amp;  (AbsHandwheelVelocity_HwDegpS_T_f32 &lt;= k_StopMode1HwVelTransThresh_HwDegpS_f32)T &amp;&amp;  (AbsHwTorque_HwNm_T_f32 &lt;= k_StopMode1HwTrqTransThresh_HwNm_f32)T &amp;&amp;  (ElapsedTime1_mS_T_u32 &gt;= ((uint32)k_StopMode1Timer_Sec_u16 * (uint32)D_MSECPERSEC_ULS_F32))T )=TRUE" TS3.17"( (VehicleSpeed_Kph_T_f32 &lt;= k_StopMode1VehSpdTransThresh_Kph_f32)T &amp;&amp;  (AbsHandwheelVelocity_HwDegpS_T_f32 &lt;= k_StopMode1HwVelTransThresh_HwDegpS_f32)T &amp;&amp;  (AbsHwTorque_HwNm_T_f32 &lt;= k_StopMode1HwTrqTransThresh_HwNm_f32)T &amp;&amp;  (ElapsedTime1_mS_T_u32 &gt;= ((uint32)k_StopMode1Timer_Sec_u16 * (uint32)D_MSECPERSEC_ULS_F32))T )=TRUE" TS3.18"case SS_Intermediate2 :  ( (VehicleSpeed_Kph_T_f32 &gt;= k_NormalModeVehSpdTransThresh_Kph_f32)     (EngSpd_Rpm_T_f32 &gt; k_NormalModeEngTransThresh_Rpm_f32) )=TRUE" TS3.19"case SS_Intermediate2 :  ( (VehicleSpeed_Kph_T_f32 &gt;= k_NormalModeVehSpdTransThresh_Kph_f32)     (EngSpd_Rpm_T_f32 &gt; k_NormalModeEngTransThresh_Rpm_f32) )=FALSE  ( (VehicleSpeed_Kph_T_f32 &lt;= k_StopMode2VehSpdTransThresh_Kph_f32) &amp;&amp;  (AbsHandwheelVelocity_HwDegpS_T_f32 &lt;= k_StopMode2HwVelTransThresh_HwDegpS_f32) &amp;&amp;  (AbsHwTorque_HwNm_T_f32 &lt;= k_StopMode2HwTrqTransThresh_HwNm_f32) &amp;&amp;  (ElapsedTime2_mS_T_u32 &gt;= ((uint32)k_StopMode2Timer_Sec_u16 * (uint32)D_MSECPERSEC_ULS_F32)) )=FALSE" TS3.20"case SS_Intermediate2 :  ( (VehicleSpeed_Kph_T_f32 &gt;= k_NormalModeVehSpdTransThresh_Kph_f32)     (EngSpd_Rpm_T_f32 &gt; k_NormalModeEngTransThresh_Rpm_f32) )=FALSE  ( (VehicleSpeed_Kph_T_f32 &lt;= k_StopMode2VehSpdTransThresh_Kph_f32) &amp;&amp;  (AbsHandwheelVelocity_HwDegpS_T_f32 &lt;= k_StopMode2HwVelTransThresh_HwDegpS_f32) &amp;&amp;  (AbsHwTorque_HwNm_T_f32 &lt;= k_StopMode2HwTrqTransThresh_HwNm_f32) &amp;&amp;  (ElapsedTime2_mS_T_u32 &gt;= ((uint32)k_StopMode2Timer_Sec_u16 * (uint32)D_MSECPERSEC_ULS_F32)) )=FALSE" TS3.21"case SS_Intermediate2 :  ( (VehicleSpeed_Kph_T_f32 &gt;= k_NormalModeVehSpdTransThresh_Kph_f32)     (EngSpd_Rpm_T_f32 &gt; k_NormalModeEngTransThresh_Rpm_f32) )=FALSE  ( (VehicleSpeed_Kph_T_f32 &lt;= k_StopMode2VehSpdTransThresh_Kph_f32) &amp;&amp;  (AbsHandwheelVelocity_HwDegpS_T_f32 &lt;= k_StopMode2HwVelTransThresh_HwDegpS_f32) &amp;&amp;  (AbsHwTorque_HwNm_T_f32 &lt;= k_StopMode2HwTrqTransThresh_HwNm_f32)T &amp;&amp;  (ElapsedTime2_mS_T_u32 &gt;= ((uint32)k_StopMode2Timer_Sec_u16 * (uint32)D_MSECPERSEC_ULS_F32))T )=true" TS3.22"( (VehicleSpeed_Kph_T_f32 &lt;= k_StopMode1VehSpdTransThresh_Kph_f32)T &amp;&amp;  (AbsHandwheelVelocity_HwDegpS_T_f32 &lt;= k_StopMode1HwVelTransThresh_HwDegpS_f32)T &amp;&amp;  (AbsHwTorque_HwNm_T_f32 &lt;= k_StopMode1HwTrqTransThresh_HwNm_f32)T &amp;&amp;  (ElapsedTime1_mS_T_u32 &gt;= ((uint32)k_StopMode1Timer_Sec_u16 * (uint32)D_MSECPERSEC_ULS_F32))F )=false" TS3.23"case SS_Stop :  (EngSpd_Rpm_T_f32 &gt; k_NormalModeEngTransThresh_Rpm_f32)=true" TS3.24"( (VehicleSpeed_Kph_T_f32 &lt;= k_StopMode2VehSpdTransThresh_Kph_f32)F&amp;&amp;  (AbsHandwheelVelocity_HwDegpS_T_f32 &lt;= k_StopMode2HwVelTransThresh_HwDegpS_f32)F &amp;&amp;  (AbsHwTorque_HwNm_T_f32 &lt;= k_StopMode2HwTrqTransThresh_HwNm_f32)T &amp;&amp;  (ElapsedTime2_mS_T_u32 &gt;= ((uint32)k_StopMode2Timer_Sec_u16 * (uint32)D_MSECPERSEC_ULS_F32))T )=true" TS3.25"( (VehicleSpeed_Kph_T_f32 &lt;= k_StopMode2VehSpdTransThresh_Kph_f32)T&amp;&amp;  (AbsHandwheelVelocity_HwDegpS_T_f32 &lt;= k_StopMode2HwVelTransThresh_HwDegpS_f32)T &amp;&amp;  (AbsHwTorque_HwNm_T_f32 &lt;= k_StopMode2HwTrqTransThresh_HwNm_f32)T &amp;&amp;  (ElapsedTime2_mS_T_u32 &gt;= ((uint32)k_StopMode2Timer_Sec_u16 * (uint32)D_MSECPERSEC_ULS_F32))F )=false"</pre>

## Test Step 3.1 (Repeat Count = 1)

Name	Input Value
DtrmnElapsedTime_mS_u32(ElapsedTime)	target_DtrmnElapsedTime_mS_u32_ElapsedTime
GetSystemTime_mS_u32(CurrentTime)	target_GetSystemTime_mS_u32_CurrentTime
Rte_Inst_Ap_GMStrtStop	target_Rte_Inst_Ap_GMStrtStop

# TEST DETAILS REPORT

2016-07-18, 16:07:36+0530



StrtStop\_Per1

Name	Input Value		
StrtStop_SSScale_Uls_M_f32	0		
StrtStop_SSSlewRatePrev_UlspS_M_f32	0.100000001		
StrtStop_StOpModePrevPrev_Cnt_M_enum	0		
StrtStop_StOpModePrev_Cnt_M_enum	0		
StrtStop_StOpMode_Cnt_M_enum	0		
StrtStop_StopModeTimer1_mS_M_u32	0		
StrtStop_StopModeTimer2_mS_M_u32	0		
k_AlgEnable_Cnt_lgc	0		
k_FltRspRampDnRt_UlspS_f32	0.100000001		
k_Mode1AssistDD_Uls_f32	0.001099999999		
k_Mode1AssistSlew_UlspS_f32	0.100000001		
k_Mode1EngTransThresh_Rpm_f32	0		
k_Mode1VehSpdTransThresh_Kph_f32	0		
k_Mode2AssistDD_Uls_f32	0.001099999999		
k_Mode2AssistSlew_UlspS_f32	0.100000001		
k_Mode2VehSpdTransThresh_Kph_f32	0		
k_NormalModeAssistSlew_UlspS_f32	0.100000001		
k_NormalModeEngTransThresh_Rpm_f32	0		
k_NormalModeVehSpdTransThresh_Kph_f32	0		
k_StopMode1AssistSlew_UlspS_f32	0.100000001		
k_StopMode1HwTrqTransThresh_HwNm_f32	0		
k_StopMode1HwVelTransThresh_HwDegpS_f32	0		
k_StopMode1Timer_Sec_u16	0		
k_StopMode1VehSpdTransThres_Kph_f32	0		
k_StopMode2AssistSlew_UlspS_f32	0.100000001		
k_StopMode2HwTrqTransThresh_HwNm_f32	0		
k_StopMode2HwVelTransThresh_HwDegpS_f32	0		
k_StopMode2Timer_Sec_u16	0		
k_StopMode2VehSpdTransThresh_Kph_f32	0		
k_StopModeAssistDD_Uls_f32	0		
target_DtrmnElapsedTime_mS_u32_ElapsedTime	0		
target_GetSystemTime_mS_u32_CurrentTime	0		
target_Rte_Inst_Ap_GMStrtStop.StrtStop_Per1_APASState_State_enum	target_StrtStop_Per1_APASState_State_enum		
target_Rte_Inst_Ap_GMStrtStop.StrtStop_Per1_EngSpd_Rpm_f32	target_StrtStop_Per1_EngSpd_Rpm_f32		
target_Rte_Inst_Ap_GMStrtStop.StrtStop_Per1_HandwheelVelocity_HwRadpS_f32	target_StrtStop_Per1_HandwheelVelocity_HwRadpS_f32		
target_Rte_Inst_Ap_GMStrtStop.StrtStop_Per1_HwTorque_HwNm_f32	target_StrtStop_Per1_HwTorque_HwNm_f32		
target_Rte_Inst_Ap_GMStrtStop.StrtStop_Per1_SS12VFault_Cnt_lgc	target_StrtStop_Per1_SS12VFault_Cnt_lgc		
target_Rte_Inst_Ap_GMStrtStop.StrtStop_Per1_SSScale_Uls_f32	target_StrtStop_Per1_SSScale_Uls_f32		
target_Rte_Inst_Ap_GMStrtStop.StrtStop_Per1_SSSlew_UlspS_f32	target_StrtStop_Per1_SSSlew_UlspS_f32		
target_Rte_Inst_Ap_GMStrtStop.StrtStop_Per1_SSSState_State_enum	target_StrtStop_Per1_SSSState_State_enum		
target_Rte_Inst_Ap_GMStrtStop.StrtStop_Per1_VehicleSpeed_Kph_f32	target_StrtStop_Per1_VehicleSpeed_Kph_f32		
target_StrtStop_Per1_APASState_State_enum.value	0		
target_StrtStop_Per1_EngSpd_Rpm_f32.value	0		
target_StrtStop_Per1_HandwheelVelocity_HwRadpS_f32.value	-100		
target_StrtStop_Per1_HwTorque_HwNm_f32.value	-10		
target_StrtStop_Per1_SS12VFault_Cnt_lgc.value	0		
target_StrtStop_Per1_VehicleSpeed_Kph_f32.value	0		
Name	Actual Value	Expected Value	Result
StrtStop_SSScale_Uls_M_f32	1	1	✔
StrtStop_SSSlewRatePrev_UlspS_M_f32	0.100000001	0.100000001 ± 0.1	✔
StrtStop_StOpModePrevPrev_Cnt_M_enum	0	0	✔
StrtStop_StOpModePrev_Cnt_M_enum	5	5	✔
StrtStop_StOpMode_Cnt_M_enum	5	5	✔
StrtStop_StopModeTimer1_mS_M_u32	0	0	✔
StrtStop_StopModeTimer2_mS_M_u32	0	0	✔
target_StrtStop_Per1_SSScale_Uls_f32.value	1	1 ± 0.0001	✔
target_StrtStop_Per1_SSSlew_UlspS_f32.value	0.100000001	0.100000001 ± 0.1	✔
target_StrtStop_Per1_SSState_State_enum.value	5	5	✔

Test Step Call Trace				
Actual Function	Count	Expected Function	Count	Result
PreviousStCalc	1	PreviousStCalc	1	✓
SlewRateCalc	1	SlewRateCalc	1	✓

Test Step 3.2 (Repeat Count = 1)	
Name	Input Value
DtrmnElapsedTime_mS_u32(ElapsedTime)	target_DtrmnElapsedTime_mS_u32_ElapsedTime
GetSystemTime_mS_u32(CurrentTime)	target_GetSystemTime_mS_u32_CurrentTime
Rte_Inst_Ap_GMStrtStop	target_Rte_Inst_Ap_GMStrtStop
StrtStop_SSScale_Uls_M_f32	1

# TEST DETAILS REPORT

2016-07-18, 16:07:36+0530



StrtStop\_Per1

Name	Input Value
StrtStop_SSSlewRatePrev_UlspS_M_f32	500
StrtStop_StOpModePrevPrev_Cnt_M_enum	5
StrtStop_StOpModePrev_Cnt_M_enum	5
StrtStop_StOpMode_Cnt_M_enum	5
StrtStop_StopModeTimer1_mS_M_u32	4294967295
StrtStop_StopModeTimer2_mS_M_u32	4294967295
k_AlgEnable_Cnt_lgc	1
k_FltRspRampDnRt_UlspS_f32	500
k_Mode1AssistDD_Uls_f32	1
k_Mode1AssistSlew_UlspS_f32	500
k_Mode1EngTransThresh_Rpm_f32	16383.75
k_Mode1VehSpdTransThresh_Kph_f32	200
k_Mode2AssistDD_Uls_f32	1
k_Mode2AssistSlew_UlspS_f32	500
k_Mode2VehSpdTransThresh_Kph_f32	200
k_NormalModeAssistSlew_UlspS_f32	500
k_NormalModeEngTransThresh_Rpm_f32	16383.75
k_NormalModeVehSpdTransThresh_Kph_f32	200
k_StopMode1AssistSlew_UlspS_f32	500
k_StopMode1HwTrqTransThresh_HwNm_f32	10
k_StopMode1HwVelTransThresh_HwDegpS_f32	250
k_StopMode1Timer_Sec_u16	5
k_StopMode1VehSpdTransThres_Kph_f32	200
k_StopMode2AssistSlew_UlspS_f32	500
k_StopMode2HwTrqTransThresh_HwNm_f32	10
k_StopMode2HwVelTransThresh_HwDegpS_f32	250
k_StopMode2Timer_Sec_u16	5
k_StopMode2VehSpdTransThresh_Kph_f32	200
k_StopModeAssistDD_Uls_f32	1
target_DtrmnElapsedTime_mS_u32_ElapsedTime	4294967295
target_GetSystemTime_mS_u32_CurrentTime	4294967295
target_Rte_Inst_Ap_GMStrtStop.StrtStop_Per1_APASState_State_enum	target_StrtStop_Per1_APASState_State_enum
target_Rte_Inst_Ap_GMStrtStop.StrtStop_Per1_EngSpd_Rpm_f32	target_StrtStop_Per1_EngSpd_Rpm_f32
target_Rte_Inst_Ap_GMStrtStop.StrtStop_Per1_HandwheelVelocity_HwRadpS_f32	target_StrtStop_Per1_HandwheelVelocity_HwRadpS_f32
target_Rte_Inst_Ap_GMStrtStop.StrtStop_Per1_HwTorque_HwNm_f32	target_StrtStop_Per1_HwTorque_HwNm_f32
target_Rte_Inst_Ap_GMStrtStop.StrtStop_Per1_SS12VFault_Cnt_lgc	target_StrtStop_Per1_SS12VFault_Cnt_lgc
target_Rte_Inst_Ap_GMStrtStop.StrtStop_Per1_SSScale_Uls_f32	target_StrtStop_Per1_SSScale_Uls_f32
target_Rte_Inst_Ap_GMStrtStop.StrtStop_Per1_SSSlew_UlspS_f32	target_StrtStop_Per1_SSSlew_UlspS_f32
target_Rte_Inst_Ap_GMStrtStop.StrtStop_Per1_SSState_State_enum	target_StrtStop_Per1_SSState_State_enum
target_Rte_Inst_Ap_GMStrtStop.StrtStop_Per1_VehicleSpeed_Kph_f32	target_StrtStop_Per1_VehicleSpeed_Kph_f32
target_StrtStop_Per1_APASState_State_enum.value	4
target_StrtStop_Per1_EngSpd_Rpm_f32.value	16383.75
target_StrtStop_Per1_HandwheelVelocity_HwRadpS_f32.value	100
target_StrtStop_Per1_HwTorque_HwNm_f32.value	10
target_StrtStop_Per1_SS12VFault_Cnt_lgc.value	1
target_StrtStop_Per1_VehicleSpeed_Kph_f32.value	200

Name	Actual Value	Expected Value	Result
StrtStop_SSScale_Uls_M_f32	1	1	✓
StrtStop_SSSlewRatePrev_UlspS_M_f32	1	1 ± 0.1	✓
StrtStop_StOpModePrevPrev_Cnt_M_enum	5	5	✓
StrtStop_StOpModePrev_Cnt_M_enum	4	4	✓
StrtStop_StOpMode_Cnt_M_enum	4	4	✓
StrtStop_StopModeTimer1_mS_M_u32	4294967295	4294967295	✓
StrtStop_StopModeTimer2_mS_M_u32	4294967295	4294967295	✓
target_StrtStop_Per1_SSScale_Uls_f32.value	1	1 ± 0.0001	✓
target_StrtStop_Per1_SSSlew_UlspS_f32.value	1	1 ± 0.1	✓
target_StrtStop_Per1_SSState_State_enum.value	4	4	✓

## Test Step Call Trace ✓

Actual Function	Count	Expected Function	Count	Result
PreviousStCalc	1	PreviousStCalc	1	✓
SlewRateCalc	1	SlewRateCalc	1	✓

## Test Step 3.3 (Repeat Count = 1) ✓

Name	Input Value
DtrmnElapsedTime_mS_u32(ElapsedTime)	target_DtrmnElapsedTime_mS_u32_ElapsedTime
GetSystemTime_mS_u32(CurrentTime)	target_GetSystemTime_mS_u32_CurrentTime
Rte_Inst_Ap_GMStrtStop	target_Rte_Inst_Ap_GMStrtStop
StrtStop_SSScale_Uls_M_f32	1
StrtStop_SSSlewRatePrev_UlspS_M_f32	76.4660034

# TEST DETAILS REPORT

2016-07-18, 16:07:36+0530



StrtStop\_Per1

Name	Input Value		
StrtStop_StOpModePrevPrev_Cnt_M_enum	0		
StrtStop_StOpModePrev_Cnt_M_enum	4		
StrtStop_StOpMode_Cnt_M_enum	2		
StrtStop_StopModeTimer1_mS_M_u32	1334609408		
StrtStop_StopModeTimer2_mS_M_u32	128181248		
k_AlgEnable_Cnt_lgc	1		
k_FltRspRampDnRt_UlspS_f32	282.30249		
k_Mode1AssistDD_Uls_f32	0.0983000025		
k_Mode1AssistSlew_UlspS_f32	417.655304		
k_Mode1EngTransThresh_Rpm_f32	10812.7471		
k_Mode1VehSpdTransThresh_Kph_f32	171.329697		
k_Mode2AssistDD_Uls_f32	1		
k_Mode2AssistSlew_UlspS_f32	350.295105		
k_Mode2VehSpdTransThresh_Kph_f32	123.894302		
k_NormalModeAssistSlew_UlspS_f32	179.502396		
k_NormalModeEngTransThresh_Rpm_f32	13478.0977		
k_NormalModeVehSpdTransThresh_Kph_f32	43.3170013		
k_StopMode1AssistSlew_UlspS_f32	8.34829998		
k_StopMode1HwTrqTransThresh_HwNm_f32	9.56949997		
k_StopMode1HwVelTransThresh_HwDegpS_f32	146.798706		
k_StopMode1Timer_Sec_u16	5		
k_StopMode1VehSpdTransThres_Kph_f32	62.7015991		
k_StopMode2AssistSlew_UlspS_f32	46.0293007		
k_StopMode2HwTrqTransThresh_HwNm_f32	1.72249997		
k_StopMode2HwVelTransThresh_HwDegpS_f32	162.882401		
k_StopMode2Timer_Sec_u16	0		
k_StopMode2VehSpdTransThresh_Kph_f32	83.7605972		
k_StopModeAssistDD_Uls_f32	1		
target_DtrmnElapsedTime_mS_u32_ElapsedTime	7500		
target_GetSystemTime_mS_u32_CurrentTime	1450		
target_Rte_Inst_Ap_GMStrtStop.StrtStop_Per1_APASState_State_enum	target_StrtStop_Per1_APASState_State_enum		
target_Rte_Inst_Ap_GMStrtStop.StrtStop_Per1_EngSpd_Rpm_f32	target_StrtStop_Per1_EngSpd_Rpm_f32		
target_Rte_Inst_Ap_GMStrtStop.StrtStop_Per1_HandwheelVelocity_HwRadpS_f32	target_StrtStop_Per1_HandwheelVelocity_HwRadpS_f32		
target_Rte_Inst_Ap_GMStrtStop.StrtStop_Per1_HwTorque_HwNm_f32	target_StrtStop_Per1_HwTorque_HwNm_f32		
target_Rte_Inst_Ap_GMStrtStop.StrtStop_Per1_SS12VFault_Cnt_lgc	target_StrtStop_Per1_SS12VFault_Cnt_lgc		
target_Rte_Inst_Ap_GMStrtStop.StrtStop_Per1_SSScale_Uls_f32	target_StrtStop_Per1_SSScale_Uls_f32		
target_Rte_Inst_Ap_GMStrtStop.StrtStop_Per1_SSSlew_UlspS_f32	target_StrtStop_Per1_SSSlew_UlspS_f32		
target_Rte_Inst_Ap_GMStrtStop.StrtStop_Per1_SSSState_State_enum	target_StrtStop_Per1_SSSState_State_enum		
target_Rte_Inst_Ap_GMStrtStop.StrtStop_Per1_VehicleSpeed_Kph_f32	target_StrtStop_Per1_VehicleSpeed_Kph_f32		
target_StrtStop_Per1_APASState_State_enum.value	1		
target_StrtStop_Per1_EngSpd_Rpm_f32.value	3446.8374		
target_StrtStop_Per1_HandwheelVelocity_HwRadpS_f32.value	-23.6994991		
target_StrtStop_Per1_HwTorque_HwNm_f32.value	7.04300022		
target_StrtStop_Per1_SS12VFault_Cnt_lgc.value	0		
target_StrtStop_Per1_VehicleSpeed_Kph_f32.value	47.6209984		
Name	Actual Value	Expected Value	Result
StrtStop_SSScale_Uls_M_f32	1	1	✔
StrtStop_SSSlewRatePrev_UlspS_M_f32	282.30249	282.30249 ± 0.1	✔
StrtStop_StOpModePrevPrev_Cnt_M_enum	4	4	✔
StrtStop_StOpModePrev_Cnt_M_enum	2	2	✔
StrtStop_StOpMode_Cnt_M_enum	2	2	✔
StrtStop_StopModeTimer1_mS_M_u32	1334609408	1334609408	✔
StrtStop_StopModeTimer2_mS_M_u32	128181248	128181248	✔
target_StrtStop_Per1_SSScale_Uls_f32.value	1	1 ± 0.0001	✔
target_StrtStop_Per1_SSSlew_UlspS_f32.value	282.30249	282.30249 ± 0.1	✔
target_StrtStop_Per1_SSSState_State_enum.value	2	2	✔

Test Step Call Trace				
Actual Function	Count	Expected Function	Count	Result
PreviousStCalc	1	PreviousStCalc	1	✓
SlewRateCalc	1	SlewRateCalc	1	✓

Test Step 3.4 (Repeat Count = 1)	
Name	Input Value
DtrmnElapsedTime_mS_u32(ElapsedTime)	target_DtrmnElapsedTime_mS_u32_ElapsedTime
GetSystemTime_mS_u32(CurrentTime)	target_GetSystemTime_mS_u32_CurrentTime
Rte_Inst_Ap_GMStrtStop	target_Rte_Inst_Ap_GMStrtStop
StrtStop_SSScale_Uls_M_f32	0.52579999
StrtStop_SSSlewRatePrev_UlspS_M_f32	453.798889
StrtStop_StOpModePrevPrev_Cnt_M_enum	1

# TEST DETAILS REPORT

2016-07-18, 16:07:36+0530



StrtStop\_Per1

Name	Input Value		
StrtStop_StOpModePrev_Cnt_M_enum	2		
StrtStop_StOpMode_Cnt_M_enum	2		
StrtStop_StopModeTimer1_mS_M_u32	2526097664		
StrtStop_StopModeTimer2_mS_M_u32	2302875392		
k_AlgEnable_Cnt_lgc	1		
k_FltRspRampDnRt_UlspS_f32	217.223007		
k_Mode1AssistDD_Uls_f32	1		
k_Mode1AssistSlew_UlspS_f32	170.880798		
k_Mode1EngTransThresh_Rpm_f32	12757.5186		
k_Mode1VehSpdTransThresh_Kph_f32	110.697098		
k_Mode2AssistDD_Uls_f32	1		
k_Mode2AssistSlew_UlspS_f32	130.949402		
k_Mode2VehSpdTransThresh_Kph_f32	188.056198		
k_NormalModeAssistSlew_UlspS_f32	207.608093		
k_NormalModeEngTransThresh_Rpm_f32	5795.51416		
k_NormalModeVehSpdTransThresh_Kph_f32	38.9273987		
k_StopMode1AssistSlew_UlspS_f32	417.240692		
k_StopMode1HwTrqTransThresh_HwNm_f32	9.09179974		
k_StopMode1HwVelTransThresh_HwDegpS_f32	224.356796		
k_StopMode1Timer_Sec_u16	3		
k_StopMode1VehSpdTransThres_Kph_f32	135.007599		
k_StopMode2AssistSlew_UlspS_f32	5.19859982		
k_StopMode2HwTrqTransThresh_HwNm_f32	4.05989981		
k_StopMode2HwVelTransThresh_HwDegpS_f32	211.678406		
k_StopMode2Timer_Sec_u16	4		
k_StopMode2VehSpdTransThresh_Kph_f32	87.1659012		
k_StopModeAssistDD_Uls_f32	1		
target_DtrmnElapsedTime_mS_u32_ElapsedTime	12650		
target_GetSystemTime_mS_u32_CurrentTime	2800		
target_Rte_Inst_Ap_GMStrtStop.StrtStop_Per1_APASState_State_enum	target_StrtStop_Per1_APASState_State_enum		
target_Rte_Inst_Ap_GMStrtStop.StrtStop_Per1_EngSpd_Rpm_f32	target_StrtStop_Per1_EngSpd_Rpm_f32		
target_Rte_Inst_Ap_GMStrtStop.StrtStop_Per1_HandwheelVelocity_HwRadpS_f32	target_StrtStop_Per1_HandwheelVelocity_HwRadpS_f32		
target_Rte_Inst_Ap_GMStrtStop.StrtStop_Per1_HwTorque_HwNm_f32	target_StrtStop_Per1_HwTorque_HwNm_f32		
target_Rte_Inst_Ap_GMStrtStop.StrtStop_Per1_SS12VFault_Cnt_lgc	target_StrtStop_Per1_SS12VFault_Cnt_lgc		
target_Rte_Inst_Ap_GMStrtStop.StrtStop_Per1_SSScale_Uls_f32	target_StrtStop_Per1_SSScale_Uls_f32		
target_Rte_Inst_Ap_GMStrtStop.StrtStop_Per1_SSSlew_UlspS_f32	target_StrtStop_Per1_SSSlew_UlspS_f32		
target_Rte_Inst_Ap_GMStrtStop.StrtStop_Per1_SSSState_State_enum	target_StrtStop_Per1_SSSState_State_enum		
target_Rte_Inst_Ap_GMStrtStop.StrtStop_Per1_VehicleSpeed_Kph_f32	target_StrtStop_Per1_VehicleSpeed_Kph_f32		
target_StrtStop_Per1_APASState_State_enum.value	2		
target_StrtStop_Per1_EngSpd_Rpm_f32.value	1211.70679		
target_StrtStop_Per1_HandwheelVelocity_HwRadpS_f32.value	-6.81960011		
target_StrtStop_Per1_HwTorque_HwNm_f32.value	5.57740021		
target_StrtStop_Per1_SS12VFault_Cnt_lgc.value	1		
target_StrtStop_Per1_VehicleSpeed_Kph_f32.value	186.015594		
Name	Actual Value	Expected Value	Result
StrtStop_SSScale_Uls_M_f32	1	1	✔
StrtStop_SSSlewRatePrev_UlspS_M_f32	453.798889	453.798889 ± 0.1	✔
StrtStop_StOpModePrevPrev_Cnt_M_enum	2	2	✔
StrtStop_StOpModePrev_Cnt_M_enum	4	4	✔
StrtStop_StOpMode_Cnt_M_enum	4	4	✔
StrtStop_StopModeTimer1_mS_M_u32	2526097664	2526097664	✔
StrtStop_StopModeTimer2_mS_M_u32	2302875392	2302875392	✔
target_StrtStop_Per1_SSScale_Uls_f32.value	1	1 ± 0.0001	✔
target_StrtStop_Per1_SSSlew_UlspS_f32.value	453.798889	453.798889 ± 0.1	✔
target_StrtStop_Per1_SSSState_State_enum.value	4	4	✔

Test Step Call Trace				
Actual Function	Count	Expected Function	Count	Result
PreviousStCalc	1	PreviousStCalc	1	✓
SlewRateCalc	1	SlewRateCalc	1	✓

Test Step 3.5 (Repeat Count = 1)	
Name	Input Value
DtrmnElapsedTime_mS_u32(ElapsedTime)	target_DtrmnElapsedTime_mS_u32_ElapsedTime
GetSystemTime_mS_u32(CurrentTime)	target_GetSystemTime_mS_u32_CurrentTime
Rte_Inst_Ap_GMStrtStop	target_Rte_Inst_Ap_GMStrtStop
StrtStop_SSScale_Uls_M_f32	1
StrtStop_SSSlewRatePrev_UlspS_M_f32	255.943207
StrtStop_StOpModePrevPrev_Cnt_M_enum	3
StrtStop_StOpModePrev_Cnt_M_enum	0

# TEST DETAILS REPORT

2016-07-18, 16:07:36+0530



StrtStop\_Per1

Name	Input Value		
StrtStop_StOpMode_Cnt_M_enum	0		
StrtStop_StopModeTimer1_mS_M_u32	4260311040		
StrtStop_StopModeTimer2_mS_M_u32	3035725312		
k_AlgEnable_Cnt_lgc	1		
k_FltRspRampDnRt_UlspS_f32	198.545593		
k_Mode1AssistDD_Uls_f32	1		
k_Mode1AssistSlew_UlspS_f32	448.061401		
k_Mode1EngTransThresh_Rpm_f32	7478.229		
k_Mode1VehSpdTransThresh_Kph_f32	194.290802		
k_Mode2AssistDD_Uls_f32	0.306100011		
k_Mode2AssistSlew_UlspS_f32	417.316498		
k_Mode2VehSpdTransThresh_Kph_f32	182.179993		
k_NormalModeAssistSlew_UlspS_f32	117.023399		
k_NormalModeEngTransThresh_Rpm_f32	2733.0686		
k_NormalModeVehSpdTransThresh_Kph_f32	143.897995		
k_StopMode1AssistSlew_UlspS_f32	337.002106		
k_StopMode1HwTrqTransThresh_HwNm_f32	5.81640005		
k_StopMode1HwVelTransThresh_HwDegpS_f32	204.735397		
k_StopMode1Timer_Sec_u16	3		
k_StopMode1VehSpdTransThres_Kph_f32	146.705002		
k_StopMode2AssistSlew_UlspS_f32	341.300812		
k_StopMode2HwTrqTransThresh_HwNm_f32	9.00580025		
k_StopMode2HwVelTransThresh_HwDegpS_f32	167.427795		
k_StopMode2Timer_Sec_u16	2		
k_StopMode2VehSpdTransThresh_Kph_f32	68.3498993		
k_StopModeAssistDD_Uls_f32	0.701799989		
target_DtrmnElapsedTime_mS_u32_ElapsedTime	28100		
target_GetSystemTime_mS_u32_CurrentTime	6850		
target_Rte_Inst_Ap_GMStrtStop.StrtStop_Per1_APASState_State_enum	target_StrtStop_Per1_APASState_State_enum		
target_Rte_Inst_Ap_GMStrtStop.StrtStop_Per1_EngSpd_Rpm_f32	target_StrtStop_Per1_EngSpd_Rpm_f32		
target_Rte_Inst_Ap_GMStrtStop.StrtStop_Per1_HandwheelVelocity_HwRadpS_f32	target_StrtStop_Per1_HandwheelVelocity_HwRadpS_f32		
target_Rte_Inst_Ap_GMStrtStop.StrtStop_Per1_HwTorque_HwNm_f32	target_StrtStop_Per1_HwTorque_HwNm_f32		
target_Rte_Inst_Ap_GMStrtStop.StrtStop_Per1_SS12VFault_Cnt_lgc	target_StrtStop_Per1_SS12VFault_Cnt_lgc		
target_Rte_Inst_Ap_GMStrtStop.StrtStop_Per1_SSScale_Uls_f32	target_StrtStop_Per1_SSScale_Uls_f32		
target_Rte_Inst_Ap_GMStrtStop.StrtStop_Per1_SSSlew_UlspS_f32	target_StrtStop_Per1_SSSlew_UlspS_f32		
target_Rte_Inst_Ap_GMStrtStop.StrtStop_Per1_SSSState_State_enum	target_StrtStop_Per1_SSSState_State_enum		
target_Rte_Inst_Ap_GMStrtStop.StrtStop_Per1_VehicleSpeed_Kph_f32	target_StrtStop_Per1_VehicleSpeed_Kph_f32		
target_StrtStop_Per1_APASState_State_enum.value	0		
target_StrtStop_Per1_EngSpd_Rpm_f32.value	0		
target_StrtStop_Per1_HandwheelVelocity_HwRadpS_f32.value	-75.9717026		
target_StrtStop_Per1_HwTorque_HwNm_f32.value	-0.809099972		
target_StrtStop_Per1_SS12VFault_Cnt_lgc.value	0		
target_StrtStop_Per1_VehicleSpeed_Kph_f32.value	51.7583008		
Name	Actual Value	Expected Value	Result
StrtStop_SSScale_Uls_M_f32	1	1	✔
StrtStop_SSSlewRatePrev_UlspS_M_f32	448.061401	448.061401 ± 0.1	✔
StrtStop_StOpModePrevPrev_Cnt_M_enum	0	0	✔
StrtStop_StOpModePrev_Cnt_M_enum	1	1	✔
StrtStop_StOpMode_Cnt_M_enum	1	1	✔
StrtStop_StopModeTimer1_mS_M_u32	6850	6850	✔
StrtStop_StopModeTimer2_mS_M_u32	3035725312	3035725312	✔
target_StrtStop_Per1_SSScale_Uls_f32.value	1	1 ± 0.0001	✔
target_StrtStop_Per1_SSSlew_UlspS_f32.value	448.061401	448.061401 ± 0.1	✔
target_StrtStop_Per1_SSSState_State_enum.value	1	1	✔

## Test Step Call Trace

Actual Function	Count	Expected Function	Count	Result
GetSystemTime_mS_u32	1	GetSystemTime_mS_u32	1	✓
PreviousStCalc	1	PreviousStCalc	1	✓
SlewRateCalc	1	SlewRateCalc	1	✓

## Test Step 3.6 (Repeat Count = 1)

Name	Input Value
DtrmnElapsedTime_mS_u32(ElapsedTime)	target_DtrmnElapsedTime_mS_u32_ElapsedTime
GetSystemTime_mS_u32(CurrentTime)	target_GetSystemTime_mS_u32_CurrentTime
Rte_Inst_Ap_GMStrtStop	target_Rte_Inst_Ap_GMStrtStop
StrtStop_SSScale_Uls_M_f32	0.420300007
StrtStop_SSSlewRatePrev_UlspS_M_f32	395.05011
StrtStop_StOpModePrevPrev_Cnt_M_enum	2
StrtStop_StOpModePrev_Cnt_M_enum	2

# TEST DETAILS REPORT

2016-07-18, 16:07:36+0530



StrtStop\_Per1

Name	Input Value		
StrtStop_StOpMode_Cnt_M_enum	0		
StrtStop_StopModeTimer1_mS_M_u32	3264295680		
StrtStop_StopModeTimer2_mS_M_u32	1346521344		
k_AlgEnable_Cnt_lgc	1		
k_FltRspRampDnRt_UlspS_f32	238.894196		
k_Mode1AssistDD_Uls_f32	0.551999986		
k_Mode1AssistSlew_UlspS_f32	98.0671005		
k_Mode1EngTransThresh_Rpm_f32	146.037003		
k_Mode1VehSpdTransThresh_Kph_f32	75.1091995		
k_Mode2AssistDD_Uls_f32	0.747399986		
k_Mode2AssistSlew_UlspS_f32	266.243805		
k_Mode2VehSpdTransThresh_Kph_f32	180.167496		
k_NormalModeAssistSlew_UlspS_f32	0.598399997		
k_NormalModeEngTransThresh_Rpm_f32	11399.3818		
k_NormalModeVehSpdTransThresh_Kph_f32	93.7679977		
k_StopMode1AssistSlew_UlspS_f32	488.170898		
k_StopMode1HwTrqTransThresh_HwNm_f32	4.33050013		
k_StopMode1HwVelTransThresh_HwDegpS_f32	173.503906		
k_StopMode1Timer_Sec_u16	5		
k_StopMode1VehSpdTransThres_Kph_f32	166.954102		
k_StopMode2AssistSlew_UlspS_f32	38.3325996		
k_StopMode2HwTrqTransThresh_HwNm_f32	4.35620022		
k_StopMode2HwVelTransThresh_HwDegpS_f32	166.330307		
k_StopMode2Timer_Sec_u16	5		
k_StopMode2VehSpdTransThresh_Kph_f32	188.285294		
k_StopModeAssistDD_Uls_f32	0.469399989		
target_DtrmnElapsedTime_mS_u32_ElapsedTime	33250		
target_GetSystemTime_mS_u32_CurrentTime	8200		
target_Rte_Inst_Ap_GMStrtStop.StrtStop_Per1_APASState_State_enum	target_StrtStop_Per1_APASState_State_enum		
target_Rte_Inst_Ap_GMStrtStop.StrtStop_Per1_EngSpd_Rpm_f32	target_StrtStop_Per1_EngSpd_Rpm_f32		
target_Rte_Inst_Ap_GMStrtStop.StrtStop_Per1_HandwheelVelocity_HwRadpS_f32	target_StrtStop_Per1_HandwheelVelocity_HwRadpS_f32		
target_Rte_Inst_Ap_GMStrtStop.StrtStop_Per1_HwTorque_HwNm_f32	target_StrtStop_Per1_HwTorque_HwNm_f32		
target_Rte_Inst_Ap_GMStrtStop.StrtStop_Per1_SS12VFault_Cnt_lgc	target_StrtStop_Per1_SS12VFault_Cnt_lgc		
target_Rte_Inst_Ap_GMStrtStop.StrtStop_Per1_SSScale_Uls_f32	target_StrtStop_Per1_SSScale_Uls_f32		
target_Rte_Inst_Ap_GMStrtStop.StrtStop_Per1_SSSlew_UlspS_f32	target_StrtStop_Per1_SSSlew_UlspS_f32		
target_Rte_Inst_Ap_GMStrtStop.StrtStop_Per1_SSState_State_enum	target_StrtStop_Per1_SSState_State_enum		
target_Rte_Inst_Ap_GMStrtStop.StrtStop_Per1_VehicleSpeed_Kph_f32	target_StrtStop_Per1_VehicleSpeed_Kph_f32		
target_StrtStop_Per1_APASState_State_enum.value	0		
target_StrtStop_Per1_EngSpd_Rpm_f32.value	16383.75		
target_StrtStop_Per1_HandwheelVelocity_HwRadpS_f32.value	-76.7904968		
target_StrtStop_Per1_HwTorque_HwNm_f32.value	-8.36240005		
target_StrtStop_Per1_SS12VFault_Cnt_lgc.value	0		
target_StrtStop_Per1_VehicleSpeed_Kph_f32.value	51.4380989		
Name	Actual Value	Expected Value	Result
StrtStop_SSScale_Uls_M_f32	0.420300007	0.420300007	✔
StrtStop_SSSlewRatePrev_UlspS_M_f32	0.598399997	0.598399997 ± 0.1	✔
StrtStop_StOpModePrevPrev_Cnt_M_enum	2	2	✔
StrtStop_StOpModePrev_Cnt_M_enum	0	0	✔
StrtStop_StOpMode_Cnt_M_enum	0	0	✔
StrtStop_StopModeTimer1_mS_M_u32	3264295680	3264295680	✔
StrtStop_StopModeTimer2_mS_M_u32	1346521344	1346521344	✔
target_StrtStop_Per1_SSScale_Uls_f32.value	0.420300007	0.420300007 ± 0.0001	✔
target_StrtStop_Per1_SSSlew_UlspS_f32.value	0.598399997	0.598399997 ± 0.1	✔
target_StrtStop_Per1_SSState_State_enum.value	0	0	✔

Test Step Call Trace				
Actual Function	Count	Expected Function	Count	Result
PreviousStCalc	1	PreviousStCalc	1	✓
SlewRateCalc	1	SlewRateCalc	1	✓

Test Step 3.7 (Repeat Count = 1)	
Name	Input Value
DtrmnElapsedTime_mS_u32(ElapsedTime)	target_DtrmnElapsedTime_mS_u32_ElapsedTime
GetSystemTime_mS_u32(CurrentTime)	target_GetSystemTime_mS_u32_CurrentTime
Rte_Inst_Ap_GMStrtStop	target_Rte_Inst_Ap_GMStrtStop
StrtStop_SSScale_Uls_M_f32	0.452399999
StrtStop_SSSlewRatePrev_UlspS_M_f32	308.004211
StrtStop_StOpModePrevPrev_Cnt_M_enum	3
StrtStop_StOpModePrev_Cnt_M_enum	3
StrtStop_StOpMode_Cnt_M_enum	0



# TEST DETAILS REPORT

2016-07-18, 16:07:36+0530



StrtStop\_Per1

Name	Input Value
StrtStop_StopModeTimer1_mS_M_u32	1953966592
StrtStop_StopModeTimer2_mS_M_u32	2470176768
k_AlgEnable_Cnt_lgc	1
k_FltRspRampDnRt_UlspS_f32	133.593094
k_Mode1AssistDD_Uls_f32	0.939199984
k_Mode1AssistSlew_UlspS_f32	423.450806
k_Mode1EngTransThresh_Rpm_f32	8704.99805
k_Mode1VehSpdTransThresh_Kph_f32	125.792999
k_Mode2AssistDD_Uls_f32	1
k_Mode2AssistSlew_UlspS_f32	317.219604
k_Mode2VehSpdTransThresh_Kph_f32	31.566
k_NormalModeAssistSlew_UlspS_f32	230.854706
k_NormalModeEngTransThresh_Rpm_f32	10516.5908
k_NormalModeVehSpdTransThresh_Kph_f32	40.2504005
k_StopMode1AssistSlew_UlspS_f32	271.999115
k_StopMode1HwTrqTransThresh_HwNm_f32	9.03719997
k_StopMode1HwVelTransThresh_HwDegpS_f32	145.298401
k_StopMode1Timer_Sec_u16	4
k_StopMode1VehSpdTransThresh_Kph_f32	128.620697
k_StopMode2AssistSlew_UlspS_f32	302.615906
k_StopMode2HwTrqTransThresh_HwNm_f32	3.55259991
k_StopMode2HwVelTransThresh_HwDegpS_f32	53.4832001
k_StopMode2Timer_Sec_u16	4
k_StopMode2VehSpdTransThresh_Kph_f32	127.954803
k_StopModeAssistDD_Uls_f32	0.502099991
target_DtrmnElapsedTime_mS_u32_ElapsedTime	38400
target_GetSystemTime_mS_u32_CurrentTime	9550
target_Rte_Inst_Ap_GMStrtStop.StrtStop_Per1_APASState_State_enum	target_StrtStop_Per1_APASState_State_enum
target_Rte_Inst_Ap_GMStrtStop.StrtStop_Per1_EngSpd_Rpm_f32	target_StrtStop_Per1_EngSpd_Rpm_f32
target_Rte_Inst_Ap_GMStrtStop.StrtStop_Per1_HandwheelVelocity_HwRadpS_f32	target_StrtStop_Per1_HandwheelVelocity_HwRadpS_f32
target_Rte_Inst_Ap_GMStrtStop.StrtStop_Per1_HwTorque_HwNm_f32	target_StrtStop_Per1_HwTorque_HwNm_f32
target_Rte_Inst_Ap_GMStrtStop.StrtStop_Per1_SS12VFault_Cnt_lgc	target_StrtStop_Per1_SS12VFault_Cnt_lgc
target_Rte_Inst_Ap_GMStrtStop.StrtStop_Per1_SSScale_Uls_f32	target_StrtStop_Per1_SSScale_Uls_f32
target_Rte_Inst_Ap_GMStrtStop.StrtStop_Per1_SSSlew_UlspS_f32	target_StrtStop_Per1_SSSlew_UlspS_f32
target_Rte_Inst_Ap_GMStrtStop.StrtStop_Per1_SSSState_State_enum	target_StrtStop_Per1_SSSState_State_enum
target_Rte_Inst_Ap_GMStrtStop.StrtStop_Per1_VehicleSpeed_Kph_f32	target_StrtStop_Per1_VehicleSpeed_Kph_f32
target_StrtStop_Per1_APASState_State_enum.value	0
target_StrtStop_Per1_EngSpd_Rpm_f32.value	63.9570999
target_StrtStop_Per1_HandwheelVelocity_HwRadpS_f32.value	-65.0715027
target_StrtStop_Per1_HwTorque_HwNm_f32.value	-1.37670004
target_StrtStop_Per1_SS12VFault_Cnt_lgc.value	0
target_StrtStop_Per1_VehicleSpeed_Kph_f32.value	143.611801

Name	Actual Value	Expected Value	Result
StrtStop_SSScale_Uls_M_f32	0.452399999	0.452399999	✓
StrtStop_SSSlewRatePrev_UlspS_M_f32	230.854706	230.854706 ± 0.1	✓
StrtStop_StOpModePrevPrev_Cnt_M_enum	3	3	✓
StrtStop_StOpModePrev_Cnt_M_enum	0	0	✓
StrtStop_StOpMode_Cnt_M_enum	0	0	✓
StrtStop_StopModeTimer1_mS_M_u32	1953966592	1953966592	✓
StrtStop_StopModeTimer2_mS_M_u32	2470176768	2470176768	✓
target_StrtStop_Per1_SSScale_Uls_f32.value	0.452399999	0.452399999 ± 0.0001	✓
target_StrtStop_Per1_SSSlew_UlspS_f32.value	230.854706	230.854706 ± 0.1	✓
target_StrtStop_Per1_SSSState_State_enum.value	0	0	✓

Test Step Call Trace				
Actual Function	Count	Expected Function	Count	Result
PreviousStCalc	1	PreviousStCalc	1	✓
SlewRateCalc	1	SlewRateCalc	1	✓

Test Step 3.8 (Repeat Count = 1)	
Name	Input Value
DtrmnElapsedTime_mS_u32(ElapsedTime)	target_DtrmnElapsedTime_mS_u32_ElapsedTime
GetSystemTime_mS_u32(CurrentTime)	target_GetSystemTime_mS_u32_CurrentTime
Rte_Inst_Ap_GMStrtStop	target_Rte_Inst_Ap_GMStrtStop
StrtStop_SSScale_Uls_M_f32	1
StrtStop_SSSlewRatePrev_UlspS_M_f32	173.136307
StrtStop_StOpModePrevPrev_Cnt_M_enum	5
StrtStop_StOpModePrev_Cnt_M_enum	0
StrtStop_StOpMode_Cnt_M_enum	3
StrtStop_StopModeTimer1_mS_M_u32	2405516544



# TEST DETAILS REPORT

2016-07-18, 16:07:36+0530



StrtStop\_Per1

Name	Input Value		
StrtStop_StopModeTimer2_mS_M_u32	998968064		
k_AlgEnable_Cnt_lgc	1		
k_FltRspRampDnRt_UlspS_f32	496.180603		
k_Mode1AssistDD_Uls_f32	0.668500006		
k_Mode1AssistSlew_UlspS_f32	462.765686		
k_Mode1EngTransThresh_Rpm_f32	10028.3506		
k_Mode1VehSpdTransThresh_Kph_f32	27.5125999		
k_Mode2AssistDD_Uls_f32	0.342799991		
k_Mode2AssistSlew_UlspS_f32	212.6884		
k_Mode2VehSpdTransThresh_Kph_f32	174.974792		
k_NormalModeAssistSlew_UlspS_f32	241.510803		
k_NormalModeEngTransThresh_Rpm_f32	14620.0313		
k_NormalModeVehSpdTransThresh_Kph_f32	46.2134018		
k_StopMode1AssistSlew_UlspS_f32	302.429993		
k_StopMode1HwTrqTransThresh_HwNm_f32	7.23239994		
k_StopMode1HwVelTransThresh_HwDegpS_f32	15.1768999		
k_StopMode1Timer_Sec_u16	0		
k_StopMode1VehSpdTransThres_Kph_f32	13.0670996		
k_StopMode2AssistSlew_UlspS_f32	34.8488007		
k_StopMode2HwTrqTransThresh_HwNm_f32	2.78329992		
k_StopMode2HwVelTransThresh_HwDegpS_f32	34.5059013		
k_StopMode2Timer_Sec_u16	1		
k_StopMode2VehSpdTransThresh_Kph_f32	151.706604		
k_StopModeAssistDD_Uls_f32	1		
target_DtrmnElapsedTime_mS_u32_ElapsedTime	43550		
target_GetSystemTime_mS_u32_CurrentTime	10900		
target_Rte_Inst_Ap_GMStrtStop.StrtStop_Per1_APASState_State_enum	target_StrtStop_Per1_APASState_State_enum		
target_Rte_Inst_Ap_GMStrtStop.StrtStop_Per1_EngSpd_Rpm_f32	target_StrtStop_Per1_EngSpd_Rpm_f32		
target_Rte_Inst_Ap_GMStrtStop.StrtStop_Per1_HandwheelVelocity_HwRadpS_f32	target_StrtStop_Per1_HandwheelVelocity_HwRadpS_f32		
target_Rte_Inst_Ap_GMStrtStop.StrtStop_Per1_HwTorque_HwNm_f32	target_StrtStop_Per1_HwTorque_HwNm_f32		
target_Rte_Inst_Ap_GMStrtStop.StrtStop_Per1_SS12VFault_Cnt_lgc	target_StrtStop_Per1_SS12VFault_Cnt_lgc		
target_Rte_Inst_Ap_GMStrtStop.StrtStop_Per1_SSScale_Uls_f32	target_StrtStop_Per1_SSScale_Uls_f32		
target_Rte_Inst_Ap_GMStrtStop.StrtStop_Per1_SSSlew_UlspS_f32	target_StrtStop_Per1_SSSlew_UlspS_f32		
target_Rte_Inst_Ap_GMStrtStop.StrtStop_Per1_SSState_State_enum	target_StrtStop_Per1_SSState_State_enum		
target_Rte_Inst_Ap_GMStrtStop.StrtStop_Per1_VehicleSpeed_Kph_f32	target_StrtStop_Per1_VehicleSpeed_Kph_f32		
target_StrtStop_Per1_APASState_State_enum.value	0		
target_StrtStop_Per1_EngSpd_Rpm_f32.value	3.95230007		
target_StrtStop_Per1_HandwheelVelocity_HwRadpS_f32.value	-100		
target_StrtStop_Per1_HwTorque_HwNm_f32.value	-2.87310004		
target_StrtStop_Per1_SS12VFault_Cnt_lgc.value	0		
target_StrtStop_Per1_VehicleSpeed_Kph_f32.value	133.639206		
Name	Actual Value	Expected Value	Result
StrtStop_SSScale_Uls_M_f32	1	1	✔
StrtStop_SSSlewRatePrev_UlspS_M_f32	1	1 ± 0.1	✔
StrtStop_StOpModePrevPrev_Cnt_M_enum	5	5	✔
StrtStop_StOpModePrev_Cnt_M_enum	0	0	✔
StrtStop_StOpMode_Cnt_M_enum	0	0	✔
StrtStop_StopModeTimer1_mS_M_u32	2405516544	2405516544	✔
StrtStop_StopModeTimer2_mS_M_u32	998968064	998968064	✔
target_StrtStop_Per1_SSScale_Uls_f32.value	1	1 ± 0.0001	✔
target_StrtStop_Per1_SSSlew_UlspS_f32.value	1	1 ± 0.1	✔
target_StrtStop_Per1_SSState_State_enum.value	0	0	✔

Test Step Call Trace				
Actual Function	Count	Expected Function	Count	Result
DtrmnElapsedTime_mS_u32	1	DtrmnElapsedTime_mS_u32	1	✓
PreviousStCalc	1	PreviousStCalc	1	✓
SlewRateCalc	1	SlewRateCalc	1	✓

Test Step 3.9 (Repeat Count = 1)	
Name	Input Value
DtrmnElapsedTime_mS_u32(ElapsedTime)	target_DtrmnElapsedTime_mS_u32_ElapsedTime
GetSystemTime_mS_u32(CurrentTime)	target_GetSystemTime_mS_u32_CurrentTime
Rte_Inst_Ap_GMStrtStop	target_Rte_Inst_Ap_GMStrtStop
StrtStop_SSScale_Uls_M_f32	0.987100005
StrtStop_SSSlewRatePrev_UlspS_M_f32	311.493805
StrtStop_StOpModePrevPrev_Cnt_M_enum	0
StrtStop_StOpModePrev_Cnt_M_enum	2
StrtStop_StOpMode_Cnt_M_enum	1
StrtStop_StopModeTimer1_mS_M_u32	3392814080

# TEST DETAILS REPORT

2016-07-18, 16:07:36+0530



StrtStop\_Per1

Name	Input Value		
StrtStop_StopModeTimer2_mS_M_u32	3837766144		
k_AlgEnable_Cnt_lgc	1		
k_FltRspRampDnRt_UlspS_f32	255.894196		
k_Mode1AssistDD_Uls_f32	0.99970001		
k_Mode1AssistSlew_UlspS_f32	452.424988		
k_Mode1EngTransThresh_Rpm_f32	2491.32495		
k_Mode1VehSpdTransThresh_Kph_f32	14.8287001		
k_Mode2AssistDD_Uls_f32	0.758099973		
k_Mode2AssistSlew_UlspS_f32	39.8352013		
k_Mode2VehSpdTransThresh_Kph_f32	82.7174988		
k_NormalModeAssistSlew_UlspS_f32	99.6003036		
k_NormalModeEngTransThresh_Rpm_f32	3695.53052		
k_NormalModeVehSpdTransThresh_Kph_f32	174.910294		
k_StopMode1AssistSlew_UlspS_f32	100.589104		
k_StopMode1HwTrqTransThresh_HwNm_f32	4.13810015		
k_StopMode1HwVelTransThresh_HwDegpS_f32	4.5394001		
k_StopMode1Timer_Sec_u16	2		
k_StopMode1VehSpdTransThres_Kph_f32	100.466103		
k_StopMode2AssistSlew_UlspS_f32	61.6678009		
k_StopMode2HwTrqTransThresh_HwNm_f32	0.396899998		
k_StopMode2HwVelTransThresh_HwDegpS_f32	42.6355019		
k_StopMode2Timer_Sec_u16	1		
k_StopMode2VehSpdTransThresh_Kph_f32	116.780098		
k_StopModeAssistDD_Uls_f32	0.897300005		
target_DtrmnElapsedTime_mS_u32_ElapsedTime	89900		
target_GetSystemTime_mS_u32_CurrentTime	23050		
target_Rte_Inst_Ap_GMStrtStop.StrtStop_Per1_APASState_State_enum	target_StrtStop_Per1_APASState_State_enum		
target_Rte_Inst_Ap_GMStrtStop.StrtStop_Per1_EngSpd_Rpm_f32	target_StrtStop_Per1_EngSpd_Rpm_f32		
target_Rte_Inst_Ap_GMStrtStop.StrtStop_Per1_HandwheelVelocity_HwRadpS_f32	target_StrtStop_Per1_HandwheelVelocity_HwRadpS_f32		
target_Rte_Inst_Ap_GMStrtStop.StrtStop_Per1_HwTorque_HwNm_f32	target_StrtStop_Per1_HwTorque_HwNm_f32		
target_Rte_Inst_Ap_GMStrtStop.StrtStop_Per1_SS12VFault_Cnt_lgc	target_StrtStop_Per1_SS12VFault_Cnt_lgc		
target_Rte_Inst_Ap_GMStrtStop.StrtStop_Per1_SSScale_Uls_f32	target_StrtStop_Per1_SSScale_Uls_f32		
target_Rte_Inst_Ap_GMStrtStop.StrtStop_Per1_SSSlew_UlspS_f32	target_StrtStop_Per1_SSSlew_UlspS_f32		
target_Rte_Inst_Ap_GMStrtStop.StrtStop_Per1_SSSState_State_enum	target_StrtStop_Per1_SSSState_State_enum		
target_Rte_Inst_Ap_GMStrtStop.StrtStop_Per1_VehicleSpeed_Kph_f32	target_StrtStop_Per1_VehicleSpeed_Kph_f32		
target_StrtStop_Per1_APASState_State_enum.value	0		
target_StrtStop_Per1_EngSpd_Rpm_f32.value	5849.73438		
target_StrtStop_Per1_HandwheelVelocity_HwRadpS_f32.value	81.5229034		
target_StrtStop_Per1_HwTorque_HwNm_f32.value	-9.14000034		
target_StrtStop_Per1_SS12VFault_Cnt_lgc.value	0		
target_StrtStop_Per1_VehicleSpeed_Kph_f32.value	111.213699		
Name	Actual Value	Expected Value	Result
StrtStop_SSScale_Uls_M_f32	1	1	✔
StrtStop_SSSlewRatePrev_UlspS_M_f32	99.6003036	99.6003036 ± 0.1	✔
StrtStop_StOpModePrevPrev_Cnt_M_enum	2	2	✔
StrtStop_StOpModePrev_Cnt_M_enum	0	0	✔
StrtStop_StOpMode_Cnt_M_enum	0	0	✔
StrtStop_StopModeTimer1_mS_M_u32	3392814080	3392814080	✔
StrtStop_StopModeTimer2_mS_M_u32	3837766144	3837766144	✔
target_StrtStop_Per1_SSScale_Uls_f32.value	1	1 ± 0.0001	✔
target_StrtStop_Per1_SSSlew_UlspS_f32.value	99.6003036	99.6003036 ± 0.1	✔
target_StrtStop_Per1_SSState_State_enum.value	0	0	✔

Test Step Call Trace				
Actual Function	Count	Expected Function	Count	Result
DtrmnElapsedTime_mS_u32	1	DtrmnElapsedTime_mS_u32	1	✓
PreviousStCalc	1	PreviousStCalc	1	✓
SlewRateCalc	1	SlewRateCalc	1	✓

Test Step 3.10 (Repeat Count = 1)	
Name	Input Value
DtrmnElapsedTime_mS_u32(ElapsedTime)	target_DtrmnElapsedTime_mS_u32_ElapsedTime
GetSystemTime_mS_u32(CurrentTime)	target_GetSystemTime_mS_u32_CurrentTime
Rte_Inst_Ap_GMStrtStop	target_Rte_Inst_Ap_GMStrtStop
StrtStop_SSScale_Uls_M_f32	0.753199995
StrtStop_SSSlewRatePrev_UlspS_M_f32	272.523193
StrtStop_StOpModePrevPrev_Cnt_M_enum	1
StrtStop_StOpModePrev_Cnt_M_enum	3
StrtStop_StOpMode_Cnt_M_enum	2
StrtStop_StopModeTimer1_mS_M_u32	2642360064

# TEST DETAILS REPORT

2016-07-18, 16:07:36+0530



StrtStop\_Per1

Name	Input Value		
StrtStop_StopModeTimer2_mS_M_u32	813608192		
k_AlgEnable_Cnt_lgc	1		
k_FltRspRampDnRt_UlspS_f32	228.535995		
k_Mode1AssistDD_Uls_f32	0.355300009		
k_Mode1AssistSlew_UlspS_f32	154.203201		
k_Mode1EngTransThresh_Rpm_f32	15600.4355		
k_Mode1VehSpdTransThresh_Kph_f32	61.9305992		
k_Mode2AssistDD_Uls_f32	1		
k_Mode2AssistSlew_UlspS_f32	212.014893		
k_Mode2VehSpdTransThresh_Kph_f32	114.182999		
k_NormalModeAssistSlew_UlspS_f32	108.742104		
k_NormalModeEngTransThresh_Rpm_f32	8845.98828		
k_NormalModeVehSpdTransThresh_Kph_f32	5.73089981		
k_StopMode1AssistSlew_UlspS_f32	443.523712		
k_StopMode1HwTrqTransThresh_HwNm_f32	8.98460007		
k_StopMode1HwVelTransThresh_HwDegpS_f32	15.0458002		
k_StopMode1Timer_Sec_u16	5		
k_StopMode1VehSpdTransThres_Kph_f32	131.764008		
k_StopMode2AssistSlew_UlspS_f32	0.51639998		
k_StopMode2HwTrqTransThresh_HwNm_f32	6.60839987		
k_StopMode2HwVelTransThresh_HwDegpS_f32	128.878204		
k_StopMode2Timer_Sec_u16	4		
k_StopMode2VehSpdTransThresh_Kph_f32	52.5082016		
k_StopModeAssistDD_Uls_f32	1		
target_DtrmnElapsedTime_mS_u32_ElapsedTime	131100		
target_GetSystemTime_mS_u32_CurrentTime	33850		
target_Rte_Inst_Ap_GMStrtStop.StrtStop_Per1_APASState_State_enum	target_StrtStop_Per1_APASState_State_enum		
target_Rte_Inst_Ap_GMStrtStop.StrtStop_Per1_EngSpd_Rpm_f32	target_StrtStop_Per1_EngSpd_Rpm_f32		
target_Rte_Inst_Ap_GMStrtStop.StrtStop_Per1_HandwheelVelocity_HwRadpS_f32	target_StrtStop_Per1_HandwheelVelocity_HwRadpS_f32		
target_Rte_Inst_Ap_GMStrtStop.StrtStop_Per1_HwTorque_HwNm_f32	target_StrtStop_Per1_HwTorque_HwNm_f32		
target_Rte_Inst_Ap_GMStrtStop.StrtStop_Per1_SS12VFault_Cnt_lgc	target_StrtStop_Per1_SS12VFault_Cnt_lgc		
target_Rte_Inst_Ap_GMStrtStop.StrtStop_Per1_SSScale_Uls_f32	target_StrtStop_Per1_SSScale_Uls_f32		
target_Rte_Inst_Ap_GMStrtStop.StrtStop_Per1_SSSlew_UlspS_f32	target_StrtStop_Per1_SSSlew_UlspS_f32		
target_Rte_Inst_Ap_GMStrtStop.StrtStop_Per1_SSState_State_enum	target_StrtStop_Per1_SSState_State_enum		
target_Rte_Inst_Ap_GMStrtStop.StrtStop_Per1_VehicleSpeed_Kph_f32	target_StrtStop_Per1_VehicleSpeed_Kph_f32		
target_StrtStop_Per1_APASState_State_enum.value	0		
target_StrtStop_Per1_EngSpd_Rpm_f32.value	8064.01074		
target_StrtStop_Per1_HandwheelVelocity_HwRadpS_f32.value	98.0602036		
target_StrtStop_Per1_HwTorque_HwNm_f32.value	-0.784600019		
target_StrtStop_Per1_SS12VFault_Cnt_lgc.value	0		
target_StrtStop_Per1_VehicleSpeed_Kph_f32.value	128.8255		
Name	Actual Value	Expected Value	Result
StrtStop_SSScale_Uls_M_f32	1	1	✔
StrtStop_SSSlewRatePrev_UlspS_M_f32	228.535995	228.535995 ± 0.1	✔
StrtStop_StOpModePrevPrev_Cnt_M_enum	1	1	✔
StrtStop_StOpModePrev_Cnt_M_enum	3	3	✔
StrtStop_StOpMode_Cnt_M_enum	3	3	✔
StrtStop_StopModeTimer1_mS_M_u32	2642360064	2642360064	✔
StrtStop_StopModeTimer2_mS_M_u32	33850	33850	✔
target_StrtStop_Per1_SSScale_Uls_f32.value	1	1 ± 0.0001	✔
target_StrtStop_Per1_SSSlew_UlspS_f32.value	228.535995	228.535995 ± 0.1	✔
target_StrtStop_Per1_SSState_State_enum.value	3	3	✔

Test Step Call Trace				
Actual Function	Count	Expected Function	Count	Result
GetSystemTime_mS_u32	1	GetSystemTime_mS_u32	1	✓
PreviousStCalc	1	PreviousStCalc	1	✓
SlewRateCalc	1	SlewRateCalc	1	✓

Test Step 3.11 (Repeat Count = 1)	
Name	Input Value
DtrmnElapsedTime_mS_u32(ElapsedTime)	target_DtrmnElapsedTime_mS_u32_ElapsedTime
GetSystemTime_mS_u32(CurrentTime)	target_GetSystemTime_mS_u32_CurrentTime
Rte_Inst_Ap_GMStrtStop	target_Rte_Inst_Ap_GMStrtStop
StrtStop_SSScale_Uls_M_f32	0.753199995
StrtStop_SSSlewRatePrev_UlspS_M_f32	272.523193
StrtStop_StOpModePrevPrev_Cnt_M_enum	1
StrtStop_StOpModePrev_Cnt_M_enum	3
StrtStop_StOpMode_Cnt_M_enum	5
StrtStop_StopModeTimer1_mS_M_u32	2642360064

# TEST DETAILS REPORT

2016-07-18, 16:07:36+0530



StrtStop\_Per1

Name	Input Value		
StrtStop_StopModeTimer2_mS_M_u32	813608192		
k_AlgEnable_Cnt_lgc	1		
k_FltRspRampDnRt_UlspS_f32	228.535995		
k_Mode1AssistDD_Uls_f32	0.355300009		
k_Mode1AssistSlew_UlspS_f32	154.203201		
k_Mode1EngTransThresh_Rpm_f32	15600.4355		
k_Mode1VehSpdTransThresh_Kph_f32	61.9305992		
k_Mode2AssistDD_Uls_f32	1		
k_Mode2AssistSlew_UlspS_f32	212.014893		
k_Mode2VehSpdTransThresh_Kph_f32	114.182999		
k_NormalModeAssistSlew_UlspS_f32	108.742104		
k_NormalModeEngTransThresh_Rpm_f32	8845.98828		
k_NormalModeVehSpdTransThresh_Kph_f32	5.73089981		
k_StopMode1AssistSlew_UlspS_f32	443.523712		
k_StopMode1HwTrqTransThresh_HwNm_f32	8.98460007		
k_StopMode1HwVelTransThresh_HwDegpS_f32	15.0458002		
k_StopMode1Timer_Sec_u16	5		
k_StopMode1VehSpdTransThres_Kph_f32	131.764008		
k_StopMode2AssistSlew_UlspS_f32	0.51639998		
k_StopMode2HwTrqTransThresh_HwNm_f32	6.60839987		
k_StopMode2HwVelTransThresh_HwDegpS_f32	128.878204		
k_StopMode2Timer_Sec_u16	4		
k_StopMode2VehSpdTransThresh_Kph_f32	52.5082016		
k_StopModeAssistDD_Uls_f32	1		
target_DtrmnElapsedTime_mS_u32_ElapsedTime	146550		
target_GetSystemTime_mS_u32_CurrentTime	37900		
target_Rte_Inst_Ap_GMStrtStop.StrtStop_Per1_APASState_State_enum	target_StrtStop_Per1_APASState_State_enum		
target_Rte_Inst_Ap_GMStrtStop.StrtStop_Per1_EngSpd_Rpm_f32	target_StrtStop_Per1_EngSpd_Rpm_f32		
target_Rte_Inst_Ap_GMStrtStop.StrtStop_Per1_HandwheelVelocity_HwRadpS_f32	target_StrtStop_Per1_HandwheelVelocity_HwRadpS_f32		
target_Rte_Inst_Ap_GMStrtStop.StrtStop_Per1_HwTorque_HwNm_f32	target_StrtStop_Per1_HwTorque_HwNm_f32		
target_Rte_Inst_Ap_GMStrtStop.StrtStop_Per1_SS12VFault_Cnt_lgc	target_StrtStop_Per1_SS12VFault_Cnt_lgc		
target_Rte_Inst_Ap_GMStrtStop.StrtStop_Per1_SSScale_Uls_f32	target_StrtStop_Per1_SSScale_Uls_f32		
target_Rte_Inst_Ap_GMStrtStop.StrtStop_Per1_SSSlew_UlspS_f32	target_StrtStop_Per1_SSSlew_UlspS_f32		
target_Rte_Inst_Ap_GMStrtStop.StrtStop_Per1_SSSState_State_enum	target_StrtStop_Per1_SSSState_State_enum		
target_Rte_Inst_Ap_GMStrtStop.StrtStop_Per1_VehicleSpeed_Kph_f32	target_StrtStop_Per1_VehicleSpeed_Kph_f32		
target_StrtStop_Per1_APASState_State_enum.value	0		
target_StrtStop_Per1_EngSpd_Rpm_f32.value	8064.01074		
target_StrtStop_Per1_HandwheelVelocity_HwRadpS_f32.value	98.0602036		
target_StrtStop_Per1_HwTorque_HwNm_f32.value	-0.784600019		
target_StrtStop_Per1_SS12VFault_Cnt_lgc.value	0		
target_StrtStop_Per1_VehicleSpeed_Kph_f32.value	128.8255		
Name	Actual Value	Expected Value	Result
StrtStop_SSScale_Uls_M_f32	0.753199995	0.753199995	✔
StrtStop_SSSlewRatePrev_UlspS_M_f32	228.535995	228.535995 ± 0.1	✔
StrtStop_StOpModePrevPrev_Cnt_M_enum	3	3	✔
StrtStop_StOpModePrev_Cnt_M_enum	5	5	✔
StrtStop_StOpMode_Cnt_M_enum	5	5	✔
StrtStop_StopModeTimer1_mS_M_u32	2642360064	2642360064	✔
StrtStop_StopModeTimer2_mS_M_u32	813608192	813608192	✔
target_StrtStop_Per1_SSScale_Uls_f32.value	0.753199995	0.753199995 ± 0.0001	✔
target_StrtStop_Per1_SSSlew_UlspS_f32.value	228.535995	228.535995 ± 0.1	✔
target_StrtStop_Per1_SSState_State_enum.value	5	5	✔

Test Step Call Trace				
Actual Function	Count	Expected Function	Count	Result
PreviousStCalc	1	PreviousStCalc	1	✓
SlewRateCalc	1	SlewRateCalc	1	✓

Test Step 3.12 (Repeat Count = 1)	
Name	Input Value
DtrmnElapsedTime_mS_u32(ElapsedTime)	target_DtrmnElapsedTime_mS_u32_ElapsedTime
GetSystemTime_mS_u32(CurrentTime)	target_GetSystemTime_mS_u32_CurrentTime
Rte_Inst_Ap_GMStrtStop	target_Rte_Inst_Ap_GMStrtStop
StrtStop_SSScale_Uls_M_f32	1
StrtStop_SSSlewRatePrev_UlspS_M_f32	500
StrtStop_StOpModePrevPrev_Cnt_M_enum	5
StrtStop_StOpModePrev_Cnt_M_enum	0
StrtStop_StOpMode_Cnt_M_enum	5
StrtStop_StopModeTimer1_mS_M_u32	3376435200
StrtStop_StopModeTimer2_mS_M_u32	390962688

# TEST DETAILS REPORT

2016-07-18, 16:07:36+0530



StrtStop\_Per1

Name	Input Value		
k_AlgEnable_Cnt_lgc	0		
k_FltRspRampDnRt_UlspS_f32	130.484497		
k_Mode1AssistDD_Uls_f32	1		
k_Mode1AssistSlew_UlspS_f32	340.554108		
k_Mode1EngTransThresh_Rpm_f32	14888.3496		
k_Mode1VehSpdTransThresh_Kph_f32	114.898399		
k_Mode2AssistDD_Uls_f32	1		
k_Mode2AssistSlew_UlspS_f32	264.454895		
k_Mode2VehSpdTransThresh_Kph_f32	144.097198		
k_NormalModeAssistSlew_UlspS_f32	208.634903		
k_NormalModeEngTransThresh_Rpm_f32	2025.06726		
k_NormalModeVehSpdTransThresh_Kph_f32	8.25339985		
k_StopMode1AssistSlew_UlspS_f32	261.588287		
k_StopMode1HwTrqTransThresh_HwNm_f32	4.39319992		
k_StopMode1HwVelTransThresh_HwDegpS_f32	192.104599		
k_StopMode1Timer_Sec_u16	0		
k_StopMode1VehSpdTransThres_Kph_f32	174.489502		
k_StopMode2AssistSlew_UlspS_f32	401.613708		
k_StopMode2HwTrqTransThresh_HwNm_f32	6.81809998		
k_StopMode2HwVelTransThresh_HwDegpS_f32	144.000397		
k_StopMode2Timer_Sec_u16	4		
k_StopMode2VehSpdTransThresh_Kph_f32	7.42700005		
k_StopModeAssistDD_Uls_f32	1		
target_DtrmnElapsedTime_mS_u32_ElapsedTime	156850		
target_GetSystemTime_mS_u32_CurrentTime	40600		
target_Rte_Inst_Ap_GMStrtStop.StrtStop_Per1_APASState_State_enum	target_StrtStop_Per1_APASState_State_enum		
target_Rte_Inst_Ap_GMStrtStop.StrtStop_Per1_EngSpd_Rpm_f32	target_StrtStop_Per1_EngSpd_Rpm_f32		
target_Rte_Inst_Ap_GMStrtStop.StrtStop_Per1_HandwheelVelocity_HwRadpS_f32	target_StrtStop_Per1_HandwheelVelocity_HwRadpS_f32		
target_Rte_Inst_Ap_GMStrtStop.StrtStop_Per1_HwTorque_HwNm_f32	target_StrtStop_Per1_HwTorque_HwNm_f32		
target_Rte_Inst_Ap_GMStrtStop.StrtStop_Per1_SS12VFault_Cnt_lgc	target_StrtStop_Per1_SS12VFault_Cnt_lgc		
target_Rte_Inst_Ap_GMStrtStop.StrtStop_Per1_SSScale_Uls_f32	target_StrtStop_Per1_SSScale_Uls_f32		
target_Rte_Inst_Ap_GMStrtStop.StrtStop_Per1_SSSlew_UlspS_f32	target_StrtStop_Per1_SSSlew_UlspS_f32		
target_Rte_Inst_Ap_GMStrtStop.StrtStop_Per1_SSSState_State_enum	target_StrtStop_Per1_SSState_State_enum		
target_Rte_Inst_Ap_GMStrtStop.StrtStop_Per1_VehicleSpeed_Kph_f32	target_StrtStop_Per1_VehicleSpeed_Kph_f32		
target_StrtStop_Per1_APASState_State_enum.value	2		
target_StrtStop_Per1_EngSpd_Rpm_f32.value	12299.8311		
target_StrtStop_Per1_HandwheelVelocity_HwRadpS_f32.value	-30.0855999		
target_StrtStop_Per1_HwTorque_HwNm_f32.value	-7.65990019		
target_StrtStop_Per1_SS12VFault_Cnt_lgc.value	1		
target_StrtStop_Per1_VehicleSpeed_Kph_f32.value	130.206894		
Name	Actual Value	Expected Value	Result
StrtStop_SSScale_Uls_M_f32	1	1	✔
StrtStop_SSSlewRatePrev_UlspS_M_f32	500	500 ± 0.1	✔
StrtStop_StOpModePrevPrev_Cnt_M_enum	0	0	✔
StrtStop_StOpModePrev_Cnt_M_enum	5	5	✔
StrtStop_StOpMode_Cnt_M_enum	5	5	✔
StrtStop_StopModeTimer1_mS_M_u32	3376435200	3376435200	✔
StrtStop_StopModeTimer2_mS_M_u32	390962688	390962688	✔
target_StrtStop_Per1_SSScale_Uls_f32.value	1	1 ± 0.0001	✔
target_StrtStop_Per1_SSSlew_UlspS_f32.value	500	500 ± 0.1	✔
target_StrtStop_Per1_SSState_State_enum.value	5	5	✔

Test Step Call Trace				
Actual Function	Count	Expected Function	Count	Result
PreviousStCalc	1	PreviousStCalc	1	✓
SlewRateCalc	1	SlewRateCalc	1	✓

Test Step 3.13 (Repeat Count = 1)	
Name	Input Value
DtrmnElapsedTime_mS_u32(ElapsedTime)	target_DtrmnElapsedTime_mS_u32_ElapsedTime
GetSystemTime_mS_u32(CurrentTime)	target_GetSystemTime_mS_u32_CurrentTime
Rte_Inst_Ap_GMStrtStop	target_Rte_Inst_Ap_GMStrtStop
StrtStop_SSScale_Uls_M_f32	0.067400001
StrtStop_SSSlewRatePrev_UlspS_M_f32	85.2277985
StrtStop_StOpModePrevPrev_Cnt_M_enum	2
StrtStop_StOpModePrev_Cnt_M_enum	3
StrtStop_StOpMode_Cnt_M_enum	1
StrtStop_StopModeTimer1_mS_M_u32	3319701760
StrtStop_StopModeTimer2_mS_M_u32	3910862592
k_AlEnable_Cnt_lgc	1

# TEST DETAILS REPORT

2016-07-18, 16:07:36+0530



StrtStop\_Per1

Name	Input Value		
k_FltRspRampDnRt_UlspS_f32	71.4107971		
k_Mode1AssistDD_Uls_f32	1		
k_Mode1AssistSlew_UlspS_f32	440.644501		
k_Mode1EngTransThresh_Rpm_f32	13090.1436		
k_Mode1VehSpdTransThresh_Kph_f32	73.5644989		
k_Mode2AssistDD_Uls_f32	1		
k_Mode2AssistSlew_UlspS_f32	429.993896		
k_Mode2VehSpdTransThresh_Kph_f32	107.842796		
k_NormalModeAssistSlew_UlspS_f32	152.309601		
k_NormalModeEngTransThresh_Rpm_f32	16383.75		
k_NormalModeVehSpdTransThresh_Kph_f32	151.669296		
k_StopMode1AssistSlew_UlspS_f32	430.902313		
k_StopMode1HwTrqTransThresh_HwNm_f32	5.67670012		
k_StopMode1HwVelTransThresh_HwDegpS_f32	153.605804		
k_StopMode1Timer_Sec_u16	2		
k_StopMode1VehSpdTransThres_Kph_f32	111.957298		
k_StopMode2AssistSlew_UlspS_f32	337.678009		
k_StopMode2HwTrqTransThresh_HwNm_f32	6.5243001		
k_StopMode2HwVelTransThresh_HwDegpS_f32	198.719498		
k_StopMode2Timer_Sec_u16	2		
k_StopMode2VehSpdTransThresh_Kph_f32	13.4162998		
k_StopModeAssistDD_Uls_f32	0.110200003		
target_DtrmnElapsedTime_mS_u32_ElapsedTime	228950		
target_GetSystemTime_mS_u32_CurrentTime	59500		
target_Rte_Inst_Ap_GMStrtStop.StrtStop_Per1_APASState_State_enum	target_StrtStop_Per1_APASState_State_enum		
target_Rte_Inst_Ap_GMStrtStop.StrtStop_Per1_EngSpd_Rpm_f32	target_StrtStop_Per1_EngSpd_Rpm_f32		
target_Rte_Inst_Ap_GMStrtStop.StrtStop_Per1_HandwheelVelocity_HwRadpS_f32	target_StrtStop_Per1_HandwheelVelocity_HwRadpS_f32		
target_Rte_Inst_Ap_GMStrtStop.StrtStop_Per1_HwTorque_HwNm_f32	target_StrtStop_Per1_HwTorque_HwNm_f32		
target_Rte_Inst_Ap_GMStrtStop.StrtStop_Per1_SS12VFault_Cnt_lgc	target_StrtStop_Per1_SS12VFault_Cnt_lgc		
target_Rte_Inst_Ap_GMStrtStop.StrtStop_Per1_SSScale_Uls_f32	target_StrtStop_Per1_SSScale_Uls_f32		
target_Rte_Inst_Ap_GMStrtStop.StrtStop_Per1_SSSlew_UlspS_f32	target_StrtStop_Per1_SSSlew_UlspS_f32		
target_Rte_Inst_Ap_GMStrtStop.StrtStop_Per1_SSState_State_enum	target_StrtStop_Per1_SSState_State_enum		
target_Rte_Inst_Ap_GMStrtStop.StrtStop_Per1_VehicleSpeed_Kph_f32	target_StrtStop_Per1_VehicleSpeed_Kph_f32		
target_StrtStop_Per1_APASState_State_enum.value	2		
target_StrtStop_Per1_EngSpd_Rpm_f32.value	3375.54028		
target_StrtStop_Per1_HandwheelVelocity_HwRadpS_f32.value	3.9684		
target_StrtStop_Per1_HwTorque_HwNm_f32.value	3.0165		
target_StrtStop_Per1_SS12VFault_Cnt_lgc.value	0		
target_StrtStop_Per1_VehicleSpeed_Kph_f32.value	196.765305		
Name	Actual Value	Expected Value	Result
StrtStop_SSScale_Uls_M_f32	1	1	✔
StrtStop_SSSlewRatePrev_UlspS_M_f32	85.2277985	85.2277985 ± 0.1	✔
StrtStop_StOpModePrevPrev_Cnt_M_enum	3	3	✔
StrtStop_StOpModePrev_Cnt_M_enum	1	1	✔
StrtStop_StOpMode_Cnt_M_enum	1	1	✔
StrtStop_StopModeTimer1_mS_M_u32	3319701760	3319701760	✔
StrtStop_StopModeTimer2_mS_M_u32	3910862592	3910862592	✔
target_StrtStop_Per1_SSScale_Uls_f32.value	1	1 ± 0.0001	✔
target_StrtStop_Per1_SSSlew_UlspS_f32.value	85.2277985	85.2277985 ± 0.1	✔
target_StrtStop_Per1_SSState_State_enum.value	1	1	✔

Test Step Call Trace					✓
Actual Function	Count	Expected Function	Count	Result	
DtrmnElapsedTime_mS_u32	1	DtrmnElapsedTime_mS_u32	1	✓	
PreviousStCalc	1	PreviousStCalc	1	✓	
SlewRateCalc	1	SlewRateCalc	1	✓	

Test Step 3.14 (Repeat Count = 1)		✓
Name	Input Value	
DtrmnElapsedTime_mS_u32(ElapsedTime)	target_DtrmnElapsedTime_mS_u32_ElapsedTime	
GetSystemTime_mS_u32(CurrentTime)	target_GetSystemTime_mS_u32_CurrentTime	
Rte_Inst_Ap_GMStrtStop	target_Rte_Inst_Ap_GMStrtStop	
StrtStop_SSScale_Uls_M_f32	0.58920002	
StrtStop_SSSlewRatePrev_UlspS_M_f32	427.796295	
StrtStop_StOpModePrevPrev_Cnt_M_enum	0	
StrtStop_StOpModePrev_Cnt_M_enum	4	
StrtStop_StOpMode_Cnt_M_enum	1	
StrtStop_StopModeTimer1_mS_M_u32	1720474112	
StrtStop_StopModeTimer2_mS_M_u32	884316160	
k_AlqEnable_Cnt_lgc	1	

# TEST DETAILS REPORT

2016-07-18, 16:07:36+0530



StrtStop\_Per1

Name	Input Value		
k_FltRspRampDnRt_UlspS_f32	398.398407		
k_Mode1AssistDD_Uls_f32	0.914399981		
k_Mode1AssistSlew_UlspS_f32	123.570297		
k_Mode1EngTransThresh_Rpm_f32	4540.35449		
k_Mode1VehSpdTransThresh_Kph_f32	67.8223038		
k_Mode2AssistDD_Uls_f32	0.157000005		
k_Mode2AssistSlew_UlspS_f32	455.527191		
k_Mode2VehSpdTransThresh_Kph_f32	83.0986023		
k_NormalModeAssistSlew_UlspS_f32	270.619507		
k_NormalModeEngTransThresh_Rpm_f32	15574.7441		
k_NormalModeVehSpdTransThresh_Kph_f32	142.539001		
k_StopMode1AssistSlew_UlspS_f32	324.302399		
k_StopMode1HwTrqTransThresh_HwNm_f32	8.40019989		
k_StopMode1HwVelTransThresh_HwDegpS_f32	189.988998		
k_StopMode1Timer_Sec_u16	0		
k_StopMode1VehSpdTransThres_Kph_f32	200		
k_StopMode2AssistSlew_UlspS_f32	473.456512		
k_StopMode2HwTrqTransThresh_HwNm_f32	5.81529999		
k_StopMode2HwVelTransThresh_HwDegpS_f32	171.247406		
k_StopMode2Timer_Sec_u16	4		
k_StopMode2VehSpdTransThresh_Kph_f32	50.5055008		
k_StopModeAssistDD_Uls_f32	0.492900014		
target_DtrmnElapsedTime_mS_u32_ElapsedTime	0		
target_GetSystemTime_mS_u32_CurrentTime	200		
target_Rte_Inst_Ap_GMStrtStop.StrtStop_Per1_APASState_State_enum	target_StrtStop_Per1_APASState_State_enum		
target_Rte_Inst_Ap_GMStrtStop.StrtStop_Per1_EngSpd_Rpm_f32	target_StrtStop_Per1_EngSpd_Rpm_f32		
target_Rte_Inst_Ap_GMStrtStop.StrtStop_Per1_HandwheelVelocity_HwRadpS_f32	target_StrtStop_Per1_HandwheelVelocity_HwRadpS_f32		
target_Rte_Inst_Ap_GMStrtStop.StrtStop_Per1_HwTorque_HwNm_f32	target_StrtStop_Per1_HwTorque_HwNm_f32		
target_Rte_Inst_Ap_GMStrtStop.StrtStop_Per1_SS12VFault_Cnt_lgc	target_StrtStop_Per1_SS12VFault_Cnt_lgc		
target_Rte_Inst_Ap_GMStrtStop.StrtStop_Per1_SSScale_Uls_f32	target_StrtStop_Per1_SSScale_Uls_f32		
target_Rte_Inst_Ap_GMStrtStop.StrtStop_Per1_SSSlew_UlspS_f32	target_StrtStop_Per1_SSSlew_UlspS_f32		
target_Rte_Inst_Ap_GMStrtStop.StrtStop_Per1_SSState_State_enum	target_StrtStop_Per1_SSState_State_enum		
target_Rte_Inst_Ap_GMStrtStop.StrtStop_Per1_VehicleSpeed_Kph_f32	target_StrtStop_Per1_VehicleSpeed_Kph_f32		
target_StrtStop_Per1_APASState_State_enum.value	0		
target_StrtStop_Per1_EngSpd_Rpm_f32.value	12368.9844		
target_StrtStop_Per1_HandwheelVelocity_HwRadpS_f32.value	82.75		
target_StrtStop_Per1_HwTorque_HwNm_f32.value	4.54290009		
target_StrtStop_Per1_SS12VFault_Cnt_lgc.value	0		
target_StrtStop_Per1_VehicleSpeed_Kph_f32.value	61.6324997		
Name	Actual Value	Expected Value	Result
StrtStop_SSScale_Uls_M_f32	0.58920002	0.58920002	✔
StrtStop_SSSlewRatePrev_UlspS_M_f32	398.398407	398.398407 ± 0.1	✔
StrtStop_StOpModePrevPrev_Cnt_M_enum	4	4	✔
StrtStop_StOpModePrev_Cnt_M_enum	1	1	✔
StrtStop_StOpMode_Cnt_M_enum	1	1	✔
StrtStop_StopModeTimer1_mS_M_u32	1720474112	1720474112	✔
StrtStop_StopModeTimer2_mS_M_u32	884316160	884316160	✔
target_StrtStop_Per1_SSScale_Uls_f32.value	0.58920002	0.58920002 ± 0.0001	✔
target_StrtStop_Per1_SSSlew_UlspS_f32.value	398.398407	398.398407 ± 0.1	✔
target_StrtStop_Per1_SSState_State_enum.value	1	1	✔

Test Step Call Trace				
Actual Function	Count	Expected Function	Count	Result
DtrmnElapsedTime_mS_u32	1	DtrmnElapsedTime_mS_u32	1	✓
PreviousStCalc	1	PreviousStCalc	1	✓
SlewRateCalc	1	SlewRateCalc	1	✓

Test Step 3.15 (Repeat Count = 1)	
Name	Input Value
DtrmnElapsedTime_mS_u32(ElapsedTime)	target_DtrmnElapsedTime_mS_u32_ElapsedTime
GetSystemTime_mS_u32(CurrentTime)	target_GetSystemTime_mS_u32_CurrentTime
Rte_Inst_Ap_GMStrtStop	target_Rte_Inst_Ap_GMStrtStop
StrtStop_SSScale_Uls_M_f32	1
StrtStop_SSSlewRatePrev_UlspS_M_f32	208.3311
StrtStop_StOpModePrevPrev_Cnt_M_enum	2
StrtStop_StOpModePrev_Cnt_M_enum	0
StrtStop_StOpMode_Cnt_M_enum	1
StrtStop_StopModeTimer1_mS_M_u32	2434468096
StrtStop_StopModeTimer2_mS_M_u32	533540608
k_AlgoEnable_Cnt_lgc	1



# TEST DETAILS REPORT

2016-07-18, 16:07:36+0530



StrtStop\_Per1

Name	Input Value		
k_FltRspRampDnRt_UlspS_f32	40.9292984		
k_Mode1AssistDD_Uls_f32	1		
k_Mode1AssistSlew_UlspS_f32	244.007095		
k_Mode1EngTransThresh_Rpm_f32	5417.76855		
k_Mode1VehSpdTransThresh_Kph_f32	167.1259		
k_Mode2AssistDD_Uls_f32	1		
k_Mode2AssistSlew_UlspS_f32	277.308289		
k_Mode2VehSpdTransThresh_Kph_f32	48.9742012		
k_NormalModeAssistSlew_UlspS_f32	403.903503		
k_NormalModeEngTransThresh_Rpm_f32	8329.90332		
k_NormalModeVehSpdTransThresh_Kph_f32	65.1162033		
k_StopMode1AssistSlew_UlspS_f32	493.097504		
k_StopMode1HwTrqTransThresh_HwNm_f32	0		
k_StopMode1HwVelTransThresh_HwDegpS_f32	200.300003		
k_StopMode1Timer_Sec_u16	3		
k_StopMode1VehSpdTransThres_Kph_f32	1.06289995		
k_StopMode2AssistSlew_UlspS_f32	90.2769012		
k_StopMode2HwTrqTransThresh_HwNm_f32	2.75559998		
k_StopMode2HwVelTransThresh_HwDegpS_f32	162.353699		
k_StopMode2Timer_Sec_u16	0		
k_StopMode2VehSpdTransThresh_Kph_f32	181.737701		
k_StopModeAssistDD_Uls_f32	0.419		
target_DtrmnElapsedTime_mS_u32_ElapsedTime	270150		
target_GetSystemTime_mS_u32_CurrentTime	70300		
target_Rte_Inst_Ap_GMStrtStop.StrtStop_Per1_APASState_State_enum	target_StrtStop_Per1_APASState_State_enum		
target_Rte_Inst_Ap_GMStrtStop.StrtStop_Per1_EngSpd_Rpm_f32	target_StrtStop_Per1_EngSpd_Rpm_f32		
target_Rte_Inst_Ap_GMStrtStop.StrtStop_Per1_HandwheelVelocity_HwRadpS_f32	target_StrtStop_Per1_HandwheelVelocity_HwRadpS_f32		
target_Rte_Inst_Ap_GMStrtStop.StrtStop_Per1_HwTorque_HwNm_f32	target_StrtStop_Per1_HwTorque_HwNm_f32		
target_Rte_Inst_Ap_GMStrtStop.StrtStop_Per1_SS12VFault_Cnt_lgc	target_StrtStop_Per1_SS12VFault_Cnt_lgc		
target_Rte_Inst_Ap_GMStrtStop.StrtStop_Per1_SSScale_Uls_f32	target_StrtStop_Per1_SSScale_Uls_f32		
target_Rte_Inst_Ap_GMStrtStop.StrtStop_Per1_SSSlew_UlspS_f32	target_StrtStop_Per1_SSSlew_UlspS_f32		
target_Rte_Inst_Ap_GMStrtStop.StrtStop_Per1_SSState_State_enum	target_StrtStop_Per1_SSState_State_enum		
target_Rte_Inst_Ap_GMStrtStop.StrtStop_Per1_VehicleSpeed_Kph_f32	target_StrtStop_Per1_VehicleSpeed_Kph_f32		
target_StrtStop_Per1_APASState_State_enum.value	4		
target_StrtStop_Per1_EngSpd_Rpm_f32.value	10.25		
target_StrtStop_Per1_HandwheelVelocity_HwRadpS_f32.value	0		
target_StrtStop_Per1_HwTorque_HwNm_f32.value	-9.91559982		
target_StrtStop_Per1_SS12VFault_Cnt_lgc.value	0		
target_StrtStop_Per1_VehicleSpeed_Kph_f32.value	0.25		
Name	Actual Value	Expected Value	Result
StrtStop_SSScale_Uls_M_f32	1	1	✔
StrtStop_SSSlewRatePrev_UlspS_M_f32	244.007095	244.007095 ± 0.1	✔
StrtStop_StOpModePrevPrev_Cnt_M_enum	0	0	✔
StrtStop_StOpModePrev_Cnt_M_enum	1	1	✔
StrtStop_StOpMode_Cnt_M_enum	1	1	✔
StrtStop_StopModeTimer1_mS_M_u32	2434468096	2434468096	✔
StrtStop_StopModeTimer2_mS_M_u32	533540608	533540608	✔
target_StrtStop_Per1_SSScale_Uls_f32.value	1	1 ± 0.0001	✔
target_StrtStop_Per1_SSSlew_UlspS_f32.value	244.007095	244.007095 ± 0.1	✔
target_StrtStop_Per1_SSState_State_enum.value	1	1	✔

Test Step Call Trace				
Actual Function	Count	Expected Function	Count	Result
DtrmnElapsedTime_mS_u32	1	DtrmnElapsedTime_mS_u32	1	✓
PreviousStCalc	1	PreviousStCalc	1	✓
SlewRateCalc	1	SlewRateCalc	1	✓

Test Step 3.16 (Repeat Count = 1)	
Name	Input Value
DtrmnElapsedTime_mS_u32(ElapsedTime)	target_DtrmnElapsedTime_mS_u32_ElapsedTime
GetSystemTime_mS_u32(CurrentTime)	target_GetSystemTime_mS_u32_CurrentTime
Rte_Inst_Ap_GMStrtStop	target_Rte_Inst_Ap_GMStrtStop
StrtStop_SSScale_Uls_M_f32	0.186800003
StrtStop_SSSlewRatePrev_UlspS_M_f32	298.473114
StrtStop_StOpModePrevPrev_Cnt_M_enum	5
StrtStop_StOpModePrev_Cnt_M_enum	2
StrtStop_StOpMode_Cnt_M_enum	1
StrtStop_StopModeTimer1_mS_M_u32	598845440
StrtStop_StopModeTimer2_mS_M_u32	1471362560
k_AlqEnable_Cnt_lgc	1



# TEST DETAILS REPORT

2016-07-18, 16:07:36+0530



StrtStop\_Per1

Name	Input Value		
k_FltRspRampDnRt_UlspS_f32	303.569489		
k_Mode1AssistDD_Uls_f32	0.472499996		
k_Mode1AssistSlew_UlspS_f32	33.7519989		
k_Mode1EngTransThresh_Rpm_f32	10512.6104		
k_Mode1VehSpdTransThresh_Kph_f32	94.392601		
k_Mode2AssistDD_Uls_f32	1		
k_Mode2AssistSlew_UlspS_f32	76.805397		
k_Mode2VehSpdTransThresh_Kph_f32	96.4353027		
k_NormalModeAssistSlew_UlspS_f32	108.036797		
k_NormalModeEngTransThresh_Rpm_f32	1426.18835		
k_NormalModeVehSpdTransThresh_Kph_f32	185.755005		
k_StopMode1AssistSlew_UlspS_f32	487.796997		
k_StopMode1HwTrqTransThresh_HwNm_f32	10		
k_StopMode1HwVelTransThresh_HwDegpS_f32	225.630005		
k_StopMode1Timer_Sec_u16	2		
k_StopMode1VehSpdTransThres_Kph_f32	29.8455009		
k_StopMode2AssistSlew_UlspS_f32	452.691498		
k_StopMode2HwTrqTransThresh_HwNm_f32	4.16900015		
k_StopMode2HwVelTransThresh_HwDegpS_f32	83.3983994		
k_StopMode2Timer_Sec_u16	4		
k_StopMode2VehSpdTransThresh_Kph_f32	44.0306015		
k_StopModeAssistDD_Uls_f32	0.646099985		
target_DtrmnElapsedTime_mS_u32_ElapsedTime	275300		
target_GetSystemTime_mS_u32_CurrentTime	71650		
target_Rte_Inst_Ap_GMStrtStop.StrtStop_Per1_APASState_State_enum	target_StrtStop_Per1_APASState_State_enum		
target_Rte_Inst_Ap_GMStrtStop.StrtStop_Per1_EngSpd_Rpm_f32	target_StrtStop_Per1_EngSpd_Rpm_f32		
target_Rte_Inst_Ap_GMStrtStop.StrtStop_Per1_HandwheelVelocity_HwRadpS_f32	target_StrtStop_Per1_HandwheelVelocity_HwRadpS_f32		
target_Rte_Inst_Ap_GMStrtStop.StrtStop_Per1_HwTorque_HwNm_f32	target_StrtStop_Per1_HwTorque_HwNm_f32		
target_Rte_Inst_Ap_GMStrtStop.StrtStop_Per1_SS12VFault_Cnt_lgc	target_StrtStop_Per1_SS12VFault_Cnt_lgc		
target_Rte_Inst_Ap_GMStrtStop.StrtStop_Per1_SSScale_Uls_f32	target_StrtStop_Per1_SSScale_Uls_f32		
target_Rte_Inst_Ap_GMStrtStop.StrtStop_Per1_SSSlew_UlspS_f32	target_StrtStop_Per1_SSSlew_UlspS_f32		
target_Rte_Inst_Ap_GMStrtStop.StrtStop_Per1_SSState_State_enum	target_StrtStop_Per1_SSState_State_enum		
target_Rte_Inst_Ap_GMStrtStop.StrtStop_Per1_VehicleSpeed_Kph_f32	target_StrtStop_Per1_VehicleSpeed_Kph_f32		
target_StrtStop_Per1_APASState_State_enum.value	0		
target_StrtStop_Per1_EngSpd_Rpm_f32.value	15.3599997		
target_StrtStop_Per1_HandwheelVelocity_HwRadpS_f32.value	0		
target_StrtStop_Per1_HwTorque_HwNm_f32.value	-1.05719995		
target_StrtStop_Per1_SS12VFault_Cnt_lgc.value	0		
target_StrtStop_Per1_VehicleSpeed_Kph_f32.value	5.36000013		
Name	Actual Value	Expected Value	Result
StrtStop_SSScale_Uls_M_f32	0.646099985	0.646099985	✔
StrtStop_SSSlewRatePrev_UlspS_M_f32	1	1 ± 0.1	✔
StrtStop_StOpModePrevPrev_Cnt_M_enum	5	5	✔
StrtStop_StOpModePrev_Cnt_M_enum	2	2	✔
StrtStop_StOpMode_Cnt_M_enum	2	2	✔
StrtStop_StopModeTimer1_mS_M_u32	598845440	598845440	✔
StrtStop_StopModeTimer2_mS_M_u32	1471362560	1471362560	✔
target_StrtStop_Per1_SSScale_Uls_f32.value	0.646099985	0.646099985 ± 0.0001	✔
target_StrtStop_Per1_SSSlew_UlspS_f32.value	1	1 ± 0.1	✔
target_StrtStop_Per1_SSState_State_enum.value	2	2	✔

Test Step Call Trace				
Actual Function	Count	Expected Function	Count	Result
DtrmnElapsedTime_mS_u32	1	DtrmnElapsedTime_mS_u32	1	✓
PreviousStCalc	1	PreviousStCalc	1	✓
SlewRateCalc	1	SlewRateCalc	1	✓

Test Step 3.17 (Repeat Count = 1)	
Name	Input Value
DtrmnElapsedTime_mS_u32(ElapsedTime)	target_DtrmnElapsedTime_mS_u32_ElapsedTime
GetSystemTime_mS_u32(CurrentTime)	target_GetSystemTime_mS_u32_CurrentTime
Rte_Inst_Ap_GMStrtStop	target_Rte_Inst_Ap_GMStrtStop
StrtStop_SSScale_Uls_M_f32	0.0882999972
StrtStop_SSSlewRatePrev_UlspS_M_f32	473.097412
StrtStop_StOpModePrevPrev_Cnt_M_enum	5
StrtStop_StOpModePrev_Cnt_M_enum	3
StrtStop_StOpMode_Cnt_M_enum	1
StrtStop_StopModeTimer1_mS_M_u32	3373097472
StrtStop_StopModeTimer2_mS_M_u32	4274741248
k_AlqEnable_Cnt_lgc	1

# TEST DETAILS REPORT

2016-07-18, 16:07:36+0530



StrtStop\_Per1

Name	Input Value		
k_FltRspRampDnRt_UlspS_f32	211.528		
k_Mode1AssistDD_Uls_f32	1		
k_Mode1AssistSlew_UlspS_f32	448.971008		
k_Mode1EngTransThresh_Rpm_f32	13789.4102		
k_Mode1VehSpdTransThresh_Kph_f32	174.196503		
k_Mode2AssistDD_Uls_f32	1		
k_Mode2AssistSlew_UlspS_f32	279.053406		
k_Mode2VehSpdTransThresh_Kph_f32	155.530899		
k_NormalModeAssistSlew_UlspS_f32	319.713501		
k_NormalModeEngTransThresh_Rpm_f32	5586.98242		
k_NormalModeVehSpdTransThresh_Kph_f32	72.0836029		
k_StopMode1AssistSlew_UlspS_f32	174.879501		
k_StopMode1HwTrqTransThresh_HwNm_f32	6.3277998		
k_StopMode1HwVelTransThresh_HwDegpS_f32	25.4627991		
k_StopMode1Timer_Sec_u16	1		
k_StopMode1VehSpdTransThres_Kph_f32	91.895401		
k_StopMode2AssistSlew_UlspS_f32	140.441895		
k_StopMode2HwTrqTransThresh_HwNm_f32	6.03009987		
k_StopMode2HwVelTransThresh_HwDegpS_f32	15.6574001		
k_StopMode2Timer_Sec_u16	0		
k_StopMode2VehSpdTransThresh_Kph_f32	55.7095985		
k_StopModeAssistDD_Uls_f32	0		
target_DtrmnElapsedTime_mS_u32_ElapsedTime	285600		
target_GetSystemTime_mS_u32_CurrentTime	74350		
target_Rte_Inst_Ap_GMStrtStop.StrtStop_Per1_APASState_State_enum	target_StrtStop_Per1_APASState_State_enum		
target_Rte_Inst_Ap_GMStrtStop.StrtStop_Per1_EngSpd_Rpm_f32	target_StrtStop_Per1_EngSpd_Rpm_f32		
target_Rte_Inst_Ap_GMStrtStop.StrtStop_Per1_HandwheelVelocity_HwRadpS_f32	target_StrtStop_Per1_HandwheelVelocity_HwRadpS_f32		
target_Rte_Inst_Ap_GMStrtStop.StrtStop_Per1_HwTorque_HwNm_f32	target_StrtStop_Per1_HwTorque_HwNm_f32		
target_Rte_Inst_Ap_GMStrtStop.StrtStop_Per1_SS12VFault_Cnt_lgc	target_StrtStop_Per1_SS12VFault_Cnt_lgc		
target_Rte_Inst_Ap_GMStrtStop.StrtStop_Per1_SSScale_Uls_f32	target_StrtStop_Per1_SSScale_Uls_f32		
target_Rte_Inst_Ap_GMStrtStop.StrtStop_Per1_SSSlew_UlspS_f32	target_StrtStop_Per1_SSSlew_UlspS_f32		
target_Rte_Inst_Ap_GMStrtStop.StrtStop_Per1_SSState_State_enum	target_StrtStop_Per1_SSState_State_enum		
target_Rte_Inst_Ap_GMStrtStop.StrtStop_Per1_VehicleSpeed_Kph_f32	target_StrtStop_Per1_VehicleSpeed_Kph_f32		
target_StrtStop_Per1_APASState_State_enum.value	0		
target_StrtStop_Per1_EngSpd_Rpm_f32.value	0		
target_StrtStop_Per1_HandwheelVelocity_HwRadpS_f32.value	0		
target_StrtStop_Per1_HwTorque_HwNm_f32.value	0		
target_StrtStop_Per1_SS12VFault_Cnt_lgc.value	0		
target_StrtStop_Per1_VehicleSpeed_Kph_f32.value	0		
Name	Actual Value	Expected Value	Result
StrtStop_SSScale_Uls_M_f32	0	0	✔
StrtStop_SSSlewRatePrev_UlspS_M_f32	140.441895	140.441895 ± 0.1	✔
StrtStop_StOpModePrevPrev_Cnt_M_enum	3	3	✔
StrtStop_StOpModePrev_Cnt_M_enum	2	2	✔
StrtStop_StOpMode_Cnt_M_enum	2	2	✔
StrtStop_StopModeTimer1_mS_M_u32	3373097472	3373097472	✔
StrtStop_StopModeTimer2_mS_M_u32	4274741248	4274741248	✔
target_StrtStop_Per1_SSScale_Uls_f32.value	0	0 ± 0.0001	✔
target_StrtStop_Per1_SSSlew_UlspS_f32.value	140.441895	140.441895 ± 0.1	✔
target_StrtStop_Per1_SSState_State_enum.value	2	2	✔

Test Step Call Trace				
Actual Function	Count	Expected Function	Count	Result
DtrmnElapsedTime_mS_u32	1	DtrmnElapsedTime_mS_u32	1	✓
PreviousStCalc	1	PreviousStCalc	1	✓
SlewRateCalc	1	SlewRateCalc	1	✓

Test Step 3.18 (Repeat Count = 1)	
Name	Input Value
DtrmnElapsedTime_mS_u32(ElapsedTime)	target_DtrmnElapsedTime_mS_u32_ElapsedTime
GetSystemTime_mS_u32(CurrentTime)	target_GetSystemTime_mS_u32_CurrentTime
Rte_Inst_Ap_GMStrtStop	target_Rte_Inst_Ap_GMStrtStop
StrtStop_SSScale_Uls_M_f32	0.254400015
StrtStop_SSSlewRatePrev_UlspS_M_f32	28.9195004
StrtStop_StOpModePrevPrev_Cnt_M_enum	5
StrtStop_StOpModePrev_Cnt_M_enum	1
StrtStop_StOpMode_Cnt_M_enum	3
StrtStop_StopModeTimer1_mS_M_u32	2440377344
StrtStop_StopModeTimer2_mS_M_u32	1342562816
k_AlqEnable_Cnt_lgc	1

# TEST DETAILS REPORT

2016-07-18, 16:07:36+0530



StrtStop\_Per1

Name	Input Value		
k_FltRspRampDnRt_UlspS_f32	174.674301		
k_Mode1AssistDD_Uls_f32	0.670400023		
k_Mode1AssistSlew_UlspS_f32	121.368401		
k_Mode1EngTransThresh_Rpm_f32	2777.70532		
k_Mode1VehSpdTransThresh_Kph_f32	120.925201		
k_Mode2AssistDD_Uls_f32	1		
k_Mode2AssistSlew_UlspS_f32	405.828094		
k_Mode2VehSpdTransThresh_Kph_f32	40.1088982		
k_NormalModeAssistSlew_UlspS_f32	114.311203		
k_NormalModeEngTransThresh_Rpm_f32	4393.86719		
k_NormalModeVehSpdTransThresh_Kph_f32	200		
k_StopMode1AssistSlew_UlspS_f32	189.814697		
k_StopMode1HwTrqTransThresh_HwNm_f32	2.41779995		
k_StopMode1HwVelTransThresh_HwDegpS_f32	211.332993		
k_StopMode1Timer_Sec_u16	2		
k_StopMode1VehSpdTransThres_Kph_f32	12.6588001		
k_StopMode2AssistSlew_UlspS_f32	409.326691		
k_StopMode2HwTrqTransThresh_HwNm_f32	7.92110014		
k_StopMode2HwVelTransThresh_HwDegpS_f32	157.520706		
k_StopMode2Timer_Sec_u16	3		
k_StopMode2VehSpdTransThresh_Kph_f32	117.746902		
k_StopModeAssistDD_Uls_f32	0.269400001		
target_DtrmnElapsedTime_mS_u32_ElapsedTime	337100		
target_GetSystemTime_mS_u32_CurrentTime	87850		
target_Rte_Inst_Ap_GMStrtStop.StrtStop_Per1_APASState_State_enum	target_StrtStop_Per1_APASState_State_enum		
target_Rte_Inst_Ap_GMStrtStop.StrtStop_Per1_EngSpd_Rpm_f32	target_StrtStop_Per1_EngSpd_Rpm_f32		
target_Rte_Inst_Ap_GMStrtStop.StrtStop_Per1_HandwheelVelocity_HwRadpS_f32	target_StrtStop_Per1_HandwheelVelocity_HwRadpS_f32		
target_Rte_Inst_Ap_GMStrtStop.StrtStop_Per1_HwTorque_HwNm_f32	target_StrtStop_Per1_HwTorque_HwNm_f32		
target_Rte_Inst_Ap_GMStrtStop.StrtStop_Per1_SS12VFault_Cnt_lgc	target_StrtStop_Per1_SS12VFault_Cnt_lgc		
target_Rte_Inst_Ap_GMStrtStop.StrtStop_Per1_SSScale_Uls_f32	target_StrtStop_Per1_SSScale_Uls_f32		
target_Rte_Inst_Ap_GMStrtStop.StrtStop_Per1_SSSlew_UlspS_f32	target_StrtStop_Per1_SSSlew_UlspS_f32		
target_Rte_Inst_Ap_GMStrtStop.StrtStop_Per1_SSState_State_enum	target_StrtStop_Per1_SSState_State_enum		
target_Rte_Inst_Ap_GMStrtStop.StrtStop_Per1_VehicleSpeed_Kph_f32	target_StrtStop_Per1_VehicleSpeed_Kph_f32		
target_StrtStop_Per1_APASState_State_enum.value	2		
target_StrtStop_Per1_EngSpd_Rpm_f32.value	5659.15527		
target_StrtStop_Per1_HandwheelVelocity_HwRadpS_f32.value	61.6576996		
target_StrtStop_Per1_HwTorque_HwNm_f32.value	8.31449986		
target_StrtStop_Per1_SS12VFault_Cnt_lgc.value	0		
target_StrtStop_Per1_VehicleSpeed_Kph_f32.value	111.357002		
Name	Actual Value	Expected Value	Result
StrtStop_SSScale_Uls_M_f32	1	1	✔
StrtStop_SSSlewRatePrev_UlspS_M_f32	28.9195004	28.9195004 ± 0.1	✔
StrtStop_StOpModePrevPrev_Cnt_M_enum	1	1	✔
StrtStop_StOpModePrev_Cnt_M_enum	0	0	✔
StrtStop_StOpMode_Cnt_M_enum	0	0	✔
StrtStop_StopModeTimer1_mS_M_u32	2440377344	2440377344	✔
StrtStop_StopModeTimer2_mS_M_u32	1342562816	1342562816	✔
target_StrtStop_Per1_SSScale_Uls_f32.value	1	1 ± 0.0001	✔
target_StrtStop_Per1_SSSlew_UlspS_f32.value	28.9195004	28.9195004 ± 0.1	✔
target_StrtStop_Per1_SSState_State_enum.value	0	0	✔

Test Step Call Trace				
Actual Function	Count	Expected Function	Count	Result
DtrmnElapsedTime_mS_u32	1	DtrmnElapsedTime_mS_u32	1	✓
PreviousStCalc	1	PreviousStCalc	1	✓
SlewRateCalc	1	SlewRateCalc	1	✓

Test Step 3.19 (Repeat Count = 1)	
Name	Input Value
DtrmnElapsedTime_mS_u32(ElapsedTime)	target_DtrmnElapsedTime_mS_u32_ElapsedTime
GetSystemTime_mS_u32(CurrentTime)	target_GetSystemTime_mS_u32_CurrentTime
Rte_Inst_Ap_GMStrtStop	target_Rte_Inst_Ap_GMStrtStop
StrtStop_SSScale_Uls_M_f32	0.539900005
StrtStop_SSSlewRatePrev_UlspS_M_f32	99.3861008
StrtStop_StOpModePrevPrev_Cnt_M_enum	4
StrtStop_StOpModePrev_Cnt_M_enum	2
StrtStop_StOpMode_Cnt_M_enum	3
StrtStop_StopModeTimer1_mS_M_u32	2513260032
StrtStop_StopModeTimer2_mS_M_u32	3482545152
k_AlgoEnable_Cnt_lgc	1

# TEST DETAILS REPORT

2016-07-18, 16:07:36+0530



StrtStop\_Per1

Name	Input Value		
k_FltRspRampDnRt_UlspS_f32	262.386597		
k_Mode1AssistDD_Uls_f32	0.246600002		
k_Mode1AssistSlew_UlspS_f32	493.750488		
k_Mode1EngTransThresh_Rpm_f32	7338.1582		
k_Mode1VehSpdTransThresh_Kph_f32	199.328598		
k_Mode2AssistDD_Uls_f32	1		
k_Mode2AssistSlew_UlspS_f32	144.6073		
k_Mode2VehSpdTransThresh_Kph_f32	178.4758		
k_NormalModeAssistSlew_UlspS_f32	375.938599		
k_NormalModeEngTransThresh_Rpm_f32	11935.1592		
k_NormalModeVehSpdTransThresh_Kph_f32	186.938599		
k_StopMode1AssistSlew_UlspS_f32	22.7310009		
k_StopMode1HwTrqTransThresh_HwNm_f32	8.77000046		
k_StopMode1HwVelTransThresh_HwDegpS_f32	34.6884003		
k_StopMode1Timer_Sec_u16	2		
k_StopMode1VehSpdTransThres_Kph_f32	137.332199		
k_StopMode2AssistSlew_UlspS_f32	29.7133999		
k_StopMode2HwTrqTransThresh_HwNm_f32	6.62190008		
k_StopMode2HwVelTransThresh_HwDegpS_f32	124.748596		
k_StopMode2Timer_Sec_u16	0		
k_StopMode2VehSpdTransThresh_Kph_f32	0		
k_StopModeAssistDD_Uls_f32	0.802699983		
target_DtrmnElapsedTime_mS_u32_ElapsedTime	347400		
target_GetSystemTime_mS_u32_CurrentTime	90550		
target_Rte_Inst_Ap_GMStrtStop.StrtStop_Per1_APASState_State_enum	target_StrtStop_Per1_APASState_State_enum		
target_Rte_Inst_Ap_GMStrtStop.StrtStop_Per1_EngSpd_Rpm_f32	target_StrtStop_Per1_EngSpd_Rpm_f32		
target_Rte_Inst_Ap_GMStrtStop.StrtStop_Per1_HandwheelVelocity_HwRadpS_f32	target_StrtStop_Per1_HandwheelVelocity_HwRadpS_f32		
target_Rte_Inst_Ap_GMStrtStop.StrtStop_Per1_HwTorque_HwNm_f32	target_StrtStop_Per1_HwTorque_HwNm_f32		
target_Rte_Inst_Ap_GMStrtStop.StrtStop_Per1_SS12VFault_Cnt_lgc	target_StrtStop_Per1_SS12VFault_Cnt_lgc		
target_Rte_Inst_Ap_GMStrtStop.StrtStop_Per1_SSScale_Uls_f32	target_StrtStop_Per1_SSScale_Uls_f32		
target_Rte_Inst_Ap_GMStrtStop.StrtStop_Per1_SSSlew_UlspS_f32	target_StrtStop_Per1_SSSlew_UlspS_f32		
target_Rte_Inst_Ap_GMStrtStop.StrtStop_Per1_SSState_State_enum	target_StrtStop_Per1_SSState_State_enum		
target_Rte_Inst_Ap_GMStrtStop.StrtStop_Per1_VehicleSpeed_Kph_f32	target_StrtStop_Per1_VehicleSpeed_Kph_f32		
target_StrtStop_Per1_APASState_State_enum.value	2		
target_StrtStop_Per1_EngSpd_Rpm_f32.value	0		
target_StrtStop_Per1_HandwheelVelocity_HwRadpS_f32.value	81.9309998		
target_StrtStop_Per1_HwTorque_HwNm_f32.value	5.31759977		
target_StrtStop_Per1_SS12VFault_Cnt_lgc.value	0		
target_StrtStop_Per1_VehicleSpeed_Kph_f32.value	0		
Name	Actual Value	Expected Value	Result
StrtStop_SSScale_Uls_M_f32	1	1	✔
StrtStop_SSSlewRatePrev_UlspS_M_f32	99.3861008	99.3861008 ± 0.1	✔
StrtStop_StOpModePrevPrev_Cnt_M_enum	2	2	✔
StrtStop_StOpModePrev_Cnt_M_enum	3	3	✔
StrtStop_StOpMode_Cnt_M_enum	3	3	✔
StrtStop_StopModeTimer1_mS_M_u32	2513260032	2513260032	✔
StrtStop_StopModeTimer2_mS_M_u32	3482545152	3482545152	✔
target_StrtStop_Per1_SSScale_Uls_f32.value	1	1 ± 0.0001	✔
target_StrtStop_Per1_SSSlew_UlspS_f32.value	99.3861008	99.3861008 ± 0.1	✔
target_StrtStop_Per1_SSState_State_enum.value	3	3	✔

Test Step Call Trace					✓
Actual Function	Count	Expected Function	Count	Result	
DtrmnElapsedTime_mS_u32	1	DtrmnElapsedTime_mS_u32	1	✓	
PreviousStCalc	1	PreviousStCalc	1	✓	
SlewRateCalc	1	SlewRateCalc	1	✓	

Test Step 3.20 (Repeat Count = 1)		✓
Name	Input Value	
DtrmnElapsedTime_mS_u32(ElapsedTime)	target_DtrmnElapsedTime_mS_u32_ElapsedTime	
GetSystemTime_mS_u32(CurrentTime)	target_GetSystemTime_mS_u32_CurrentTime	
Rte_Inst_Ap_GMStrtStop	target_Rte_Inst_Ap_GMStrtStop	
StrtStop_SSScale_Uls_M_f32	1	
StrtStop_SSSlewRatePrev_UlspS_M_f32	128.5345	
StrtStop_StOpModePrevPrev_Cnt_M_enum	1	
StrtStop_StOpModePrev_Cnt_M_enum	5	
StrtStop_StOpMode_Cnt_M_enum	3	
StrtStop_StopModeTimer1_mS_M_u32	1258847232	
StrtStop_StopModeTimer2_mS_M_u32	1908664832	
k_AlqEnable_Cnt_lgc	1	

# TEST DETAILS REPORT

2016-07-18, 16:07:36+0530



StrtStop\_Per1

Name	Input Value		
k_FltRspRampDnRt_UlspS_f32	347.56781		
k_Mode1AssistDD_Uls_f32	1		
k_Mode1AssistSlew_UlspS_f32	125.973701		
k_Mode1EngTransThresh_Rpm_f32	13882.4092		
k_Mode1VehSpdTransThresh_Kph_f32	168.9655		
k_Mode2AssistDD_Uls_f32	0.533699989		
k_Mode2AssistSlew_UlspS_f32	395.059113		
k_Mode2VehSpdTransThresh_Kph_f32	56.3480988		
k_NormalModeAssistSlew_UlspS_f32	362.158905		
k_NormalModeEngTransThresh_Rpm_f32	7898.78516		
k_NormalModeVehSpdTransThresh_Kph_f32	163.250198		
k_StopMode1AssistSlew_UlspS_f32	293.488312		
k_StopMode1HwTrqTransThresh_HwNm_f32	2.67420006		
k_StopMode1HwVelTransThresh_HwDegpS_f32	86.1949997		
k_StopMode1Timer_Sec_u16	2		
k_StopMode1VehSpdTransThres_Kph_f32	90.8057022		
k_StopMode2AssistSlew_UlspS_f32	227.143402		
k_StopMode2HwTrqTransThresh_HwNm_f32	0		
k_StopMode2HwVelTransThresh_HwDegpS_f32	123.165199		
k_StopMode2Timer_Sec_u16	4		
k_StopMode2VehSpdTransThresh_Kph_f32	187.138306		
k_StopModeAssistDD_Uls_f32	1		
target_DtrmnElapsedTime_mS_u32_ElapsedTime	378300		
target_GetSystemTime_mS_u32_CurrentTime	98650		
target_Rte_Inst_Ap_GMStrtStop.StrtStop_Per1_APASState_State_enum	target_StrtStop_Per1_APASState_State_enum		
target_Rte_Inst_Ap_GMStrtStop.StrtStop_Per1_EngSpd_Rpm_f32	target_StrtStop_Per1_EngSpd_Rpm_f32		
target_Rte_Inst_Ap_GMStrtStop.StrtStop_Per1_HandwheelVelocity_HwRadpS_f32	target_StrtStop_Per1_HandwheelVelocity_HwRadpS_f32		
target_Rte_Inst_Ap_GMStrtStop.StrtStop_Per1_HwTorque_HwNm_f32	target_StrtStop_Per1_HwTorque_HwNm_f32		
target_Rte_Inst_Ap_GMStrtStop.StrtStop_Per1_SS12VFault_Cnt_lgc	target_StrtStop_Per1_SS12VFault_Cnt_lgc		
target_Rte_Inst_Ap_GMStrtStop.StrtStop_Per1_SSScale_Uls_f32	target_StrtStop_Per1_SSScale_Uls_f32		
target_Rte_Inst_Ap_GMStrtStop.StrtStop_Per1_SSSlew_UlspS_f32	target_StrtStop_Per1_SSSlew_UlspS_f32		
target_Rte_Inst_Ap_GMStrtStop.StrtStop_Per1_SSState_State_enum	target_StrtStop_Per1_SSState_State_enum		
target_Rte_Inst_Ap_GMStrtStop.StrtStop_Per1_VehicleSpeed_Kph_f32	target_StrtStop_Per1_VehicleSpeed_Kph_f32		
target_StrtStop_Per1_APASState_State_enum.value	0		
target_StrtStop_Per1_EngSpd_Rpm_f32.value	0		
target_StrtStop_Per1_HandwheelVelocity_HwRadpS_f32.value	0		
target_StrtStop_Per1_HwTorque_HwNm_f32.value	6.61429977		
target_StrtStop_Per1_SS12VFault_Cnt_lgc.value	0		
target_StrtStop_Per1_VehicleSpeed_Kph_f32.value	0		
Name	Actual Value	Expected Value	Result
StrtStop_SSScale_Uls_M_f32	1	1	✔
StrtStop_SSSlewRatePrev_UlspS_M_f32	1	1 ± 0.1	✔
StrtStop_StOpModePrevPrev_Cnt_M_enum	5	5	✔
StrtStop_StOpModePrev_Cnt_M_enum	3	3	✔
StrtStop_StOpMode_Cnt_M_enum	3	3	✔
StrtStop_StopModeTimer1_mS_M_u32	1258847232	1258847232	✔
StrtStop_StopModeTimer2_mS_M_u32	1908664832	1908664832	✔
target_StrtStop_Per1_SSScale_Uls_f32.value	1	1 ± 0.0001	✔
target_StrtStop_Per1_SSSlew_UlspS_f32.value	1	1 ± 0.1	✔
target_StrtStop_Per1_SSState_State_enum.value	3	3	✔

Test Step Call Trace				
Actual Function	Count	Expected Function	Count	Result
DtrmnElapsedTime_mS_u32	1	DtrmnElapsedTime_mS_u32	1	✓
PreviousStCalc	1	PreviousStCalc	1	✓
SlewRateCalc	1	SlewRateCalc	1	✓

Test Step 3.21 (Repeat Count = 1)	
Name	Input Value
DtrmnElapsedTime_mS_u32(ElapsedTime)	target_DtrmnElapsedTime_mS_u32_ElapsedTime
GetSystemTime_mS_u32(CurrentTime)	target_GetSystemTime_mS_u32_CurrentTime
Rte_Inst_Ap_GMStrtStop	target_Rte_Inst_Ap_GMStrtStop
StrtStop_SSScale_Uls_M_f32	0.173899993
StrtStop_SSSlewRatePrev_UlspS_M_f32	386.314789
StrtStop_StOpModePrevPrev_Cnt_M_enum	3
StrtStop_StOpModePrev_Cnt_M_enum	0
StrtStop_StOpMode_Cnt_M_enum	3
StrtStop_StopModeTimer1_mS_M_u32	2943700736
StrtStop_StopModeTimer2_mS_M_u32	3128624384
k_AlgEnable_Cnt_lgc	1

# TEST DETAILS REPORT

2016-07-18, 16:07:36+0530



StrtStop\_Per1

Name	Input Value		
k_FltRspRampDnRt_UlspS_f32	490.715088		
k_Mode1AssistDD_Uls_f32	0.656099975		
k_Mode1AssistSlew_UlspS_f32	476.726715		
k_Mode1EngTransThresh_Rpm_f32	5330.61426		
k_Mode1VehSpdTransThresh_Kph_f32	77.035202		
k_Mode2AssistDD_Uls_f32	0.983699977		
k_Mode2AssistSlew_UlspS_f32	189.569702		
k_Mode2VehSpdTransThresh_Kph_f32	43.5330009		
k_NormalModeAssistSlew_UlspS_f32	411.171814		
k_NormalModeEngTransThresh_Rpm_f32	5034.64941		
k_NormalModeVehSpdTransThresh_Kph_f32	166.194397		
k_StopMode1AssistSlew_UlspS_f32	294.277008		
k_StopMode1HwTrqTransThresh_HwNm_f32	7.40579987		
k_StopMode1HwVelTransThresh_HwDegpS_f32	69.9590988		
k_StopMode1Timer_Sec_u16	0		
k_StopMode1VehSpdTransThres_Kph_f32	51.3577995		
k_StopMode2AssistSlew_UlspS_f32	128.764999		
k_StopMode2HwTrqTransThresh_HwNm_f32	10		
k_StopMode2HwVelTransThresh_HwDegpS_f32	59.0872002		
k_StopMode2Timer_Sec_u16	4		
k_StopMode2VehSpdTransThresh_Kph_f32	60.1553001		
k_StopModeAssistDD_Uls_f32	0.33039999		
target_DtrmnElapsedTime_mS_u32_ElapsedTime	383450		
target_GetSystemTime_mS_u32_CurrentTime	100000		
target_Rte_Inst_Ap_GMStrtStop.StrtStop_Per1_APASState_State_enum	target_StrtStop_Per1_APASState_State_enum		
target_Rte_Inst_Ap_GMStrtStop.StrtStop_Per1_EngSpd_Rpm_f32	target_StrtStop_Per1_EngSpd_Rpm_f32		
target_Rte_Inst_Ap_GMStrtStop.StrtStop_Per1_HandwheelVelocity_HwRadpS_f32	target_StrtStop_Per1_HandwheelVelocity_HwRadpS_f32		
target_Rte_Inst_Ap_GMStrtStop.StrtStop_Per1_HwTorque_HwNm_f32	target_StrtStop_Per1_HwTorque_HwNm_f32		
target_Rte_Inst_Ap_GMStrtStop.StrtStop_Per1_SS12VFault_Cnt_lgc	target_StrtStop_Per1_SS12VFault_Cnt_lgc		
target_Rte_Inst_Ap_GMStrtStop.StrtStop_Per1_SSScale_Uls_f32	target_StrtStop_Per1_SSScale_Uls_f32		
target_Rte_Inst_Ap_GMStrtStop.StrtStop_Per1_SSSlew_UlspS_f32	target_StrtStop_Per1_SSSlew_UlspS_f32		
target_Rte_Inst_Ap_GMStrtStop.StrtStop_Per1_SSState_State_enum	target_StrtStop_Per1_SSState_State_enum		
target_Rte_Inst_Ap_GMStrtStop.StrtStop_Per1_VehicleSpeed_Kph_f32	target_StrtStop_Per1_VehicleSpeed_Kph_f32		
target_StrtStop_Per1_APASState_State_enum.value	0		
target_StrtStop_Per1_EngSpd_Rpm_f32.value	0		
target_StrtStop_Per1_HandwheelVelocity_HwRadpS_f32.value	0		
target_StrtStop_Per1_HwTorque_HwNm_f32.value	-3.01349998		
target_StrtStop_Per1_SS12VFault_Cnt_lgc.value	0		
target_StrtStop_Per1_VehicleSpeed_Kph_f32.value	0		
Name	Actual Value	Expected Value	Result
StrtStop_SSScale_Uls_M_f32	0.33039999	0.33039999	✔
StrtStop_SSSlewRatePrev_UlspS_M_f32	490.715088	490.715088 ± 0.1	✔
StrtStop_StOpModePrevPrev_Cnt_M_enum	0	0	✔
StrtStop_StOpModePrev_Cnt_M_enum	2	2	✔
StrtStop_StOpMode_Cnt_M_enum	2	2	✔
StrtStop_StopModeTimer1_mS_M_u32	2943700736	2943700736	✔
StrtStop_StopModeTimer2_mS_M_u32	3128624384	3128624384	✔
target_StrtStop_Per1_SSScale_Uls_f32.value	0.33039999	0.33039999 ± 0.0001	✔
target_StrtStop_Per1_SSSlew_UlspS_f32.value	490.715088	490.715088 ± 0.1	✔
target_StrtStop_Per1_SSState_State_enum.value	2	2	✔

Test Step Call Trace				
Actual Function	Count	Expected Function	Count	Result
DtrmnElapsedTime_mS_u32	1	DtrmnElapsedTime_mS_u32	1	✓
PreviousStCalc	1	PreviousStCalc	1	✓
SlewRateCalc	1	SlewRateCalc	1	✓

Test Step 3.22 (Repeat Count = 1)	
Name	Input Value
DtrmnElapsedTime_mS_u32(ElapsedTime)	target_DtrmnElapsedTime_mS_u32_ElapsedTime
GetSystemTime_mS_u32(CurrentTime)	target_GetSystemTime_mS_u32_CurrentTime
Rte_Inst_Ap_GMStrtStop	target_Rte_Inst_Ap_GMStrtStop
StrtStop_SSScale_Uls_M_f32	0.186800003
StrtStop_SSSlewRatePrev_UlspS_M_f32	298.473114
StrtStop_StOpModePrevPrev_Cnt_M_enum	5
StrtStop_StOpModePrev_Cnt_M_enum	2
StrtStop_StOpMode_Cnt_M_enum	1
StrtStop_StopModeTimer1_mS_M_u32	598845440
StrtStop_StopModeTimer2_mS_M_u32	1471362560
k_AlgoEnable_Cnt_lgc	1

# TEST DETAILS REPORT

2016-07-18, 16:07:36+0530



StrtStop\_Per1

Name	Input Value		
k_FltRspRampDnRt_UlspS_f32	303.569489		
k_Mode1AssistDD_Uls_f32	0.472499996		
k_Mode1AssistSlew_UlspS_f32	33.7519989		
k_Mode1EngTransThresh_Rpm_f32	10512.6104		
k_Mode1VehSpdTransThresh_Kph_f32	94.392601		
k_Mode2AssistDD_Uls_f32	1		
k_Mode2AssistSlew_UlspS_f32	76.805397		
k_Mode2VehSpdTransThresh_Kph_f32	96.4353027		
k_NormalModeAssistSlew_UlspS_f32	108.036797		
k_NormalModeEngTransThresh_Rpm_f32	1426.18835		
k_NormalModeVehSpdTransThresh_Kph_f32	185.755005		
k_StopMode1AssistSlew_UlspS_f32	487.796997		
k_StopMode1HwTrqTransThresh_HwNm_f32	10		
k_StopMode1HwVelTransThresh_HwDegpS_f32	225.630005		
k_StopMode1Timer_Sec_u16	2		
k_StopMode1VehSpdTransThres_Kph_f32	29.8455009		
k_StopMode2AssistSlew_UlspS_f32	452.691498		
k_StopMode2HwTrqTransThresh_HwNm_f32	4.16900015		
k_StopMode2HwVelTransThresh_HwDegpS_f32	83.3983994		
k_StopMode2Timer_Sec_u16	4		
k_StopMode2VehSpdTransThresh_Kph_f32	44.0306015		
k_StopModeAssistDD_Uls_f32	0.646099985		
target_DtrmnElapsedTime_mS_u32_ElapsedTime	0		
target_GetSystemTime_mS_u32_CurrentTime	71650		
target_Rte_Inst_Ap_GMStrtStop.StrtStop_Per1_APASState_State_enum	target_StrtStop_Per1_APASState_State_enum		
target_Rte_Inst_Ap_GMStrtStop.StrtStop_Per1_EngSpd_Rpm_f32	target_StrtStop_Per1_EngSpd_Rpm_f32		
target_Rte_Inst_Ap_GMStrtStop.StrtStop_Per1_HandwheelVelocity_HwRadpS_f32	target_StrtStop_Per1_HandwheelVelocity_HwRadpS_f32		
target_Rte_Inst_Ap_GMStrtStop.StrtStop_Per1_HwTorque_HwNm_f32	target_StrtStop_Per1_HwTorque_HwNm_f32		
target_Rte_Inst_Ap_GMStrtStop.StrtStop_Per1_SS12VFault_Cnt_lgc	target_StrtStop_Per1_SS12VFault_Cnt_lgc		
target_Rte_Inst_Ap_GMStrtStop.StrtStop_Per1_SSScale_Uls_f32	target_StrtStop_Per1_SSScale_Uls_f32		
target_Rte_Inst_Ap_GMStrtStop.StrtStop_Per1_SSSlew_UlspS_f32	target_StrtStop_Per1_SSSlew_UlspS_f32		
target_Rte_Inst_Ap_GMStrtStop.StrtStop_Per1_SSState_State_enum	target_StrtStop_Per1_SSState_State_enum		
target_Rte_Inst_Ap_GMStrtStop.StrtStop_Per1_VehicleSpeed_Kph_f32	target_StrtStop_Per1_VehicleSpeed_Kph_f32		
target_StrtStop_Per1_APASState_State_enum.value	0		
target_StrtStop_Per1_EngSpd_Rpm_f32.value	15.3599997		
target_StrtStop_Per1_HandwheelVelocity_HwRadpS_f32.value	0		
target_StrtStop_Per1_HwTorque_HwNm_f32.value	-1.05719995		
target_StrtStop_Per1_SS12VFault_Cnt_lgc.value	0		
target_StrtStop_Per1_VehicleSpeed_Kph_f32.value	5.36000013		
Name	Actual Value	Expected Value	Result
StrtStop_SSScale_Uls_M_f32	0.186800003	0.186800003	✔
StrtStop_SSSlewRatePrev_UlspS_M_f32	303.569489	303.569489 ± 0.1	✔
StrtStop_StOpModePrevPrev_Cnt_M_enum	2	2	✔
StrtStop_StOpModePrev_Cnt_M_enum	1	1	✔
StrtStop_StOpMode_Cnt_M_enum	1	1	✔
StrtStop_StopModeTimer1_mS_M_u32	598845440	598845440	✔
StrtStop_StopModeTimer2_mS_M_u32	1471362560	1471362560	✔
target_StrtStop_Per1_SSScale_Uls_f32.value	0.186800003	0.186800003 ± 0.0001	✔
target_StrtStop_Per1_SSSlew_UlspS_f32.value	303.569489	303.569489 ± 0.1	✔
target_StrtStop_Per1_SSState_State_enum.value	1	1	✔

## Test Step Call Trace

Actual Function	Count	Expected Function	Count	Result
DtrmnElapsedTime_mS_u32	1	DtrmnElapsedTime_mS_u32	1	✓
PreviousStCalc	1	PreviousStCalc	1	✓
SlewRateCalc	1	SlewRateCalc	1	✓

## Test Step 3.23 (Repeat Count = 1)

Name	Input Value
DtrmnElapsedTime_mS_u32(ElapsedTime)	target_DtrmnElapsedTime_mS_u32_ElapsedTime
GetSystemTime_mS_u32(CurrentTime)	target_GetSystemTime_mS_u32_CurrentTime
Rte_Inst_Ap_GMStrtStop	target_Rte_Inst_Ap_GMStrtStop
StrtStop_SSScale_Uls_M_f32	1
StrtStop_SSSlewRatePrev_UlspS_M_f32	76.4660034
StrtStop_StOpModePrevPrev_Cnt_M_enum	0
StrtStop_StOpModePrev_Cnt_M_enum	4
StrtStop_StOpMode_Cnt_M_enum	2
StrtStop_StopModeTimer1_mS_M_u32	1334609408
StrtStop_StopModeTimer2_mS_M_u32	128181248
k_AlgoEnable_Cnt_lgc	1



# TEST DETAILS REPORT

2016-07-18, 16:07:36+0530



StrtStop\_Per1

Name	Input Value		
k_FltRspRampDnRt_UlspS_f32	282.30249		
k_Mode1AssistDD_Uls_f32	0.0983000025		
k_Mode1AssistSlew_UlspS_f32	417.655304		
k_Mode1EngTransThresh_Rpm_f32	10812.7471		
k_Mode1VehSpdTransThresh_Kph_f32	171.329697		
k_Mode2AssistDD_Uls_f32	1		
k_Mode2AssistSlew_UlspS_f32	350.295105		
k_Mode2VehSpdTransThresh_Kph_f32	123.894302		
k_NormalModeAssistSlew_UlspS_f32	179.502396		
k_NormalModeEngTransThresh_Rpm_f32	10.25		
k_NormalModeVehSpdTransThresh_Kph_f32	43.3170013		
k_StopMode1AssistSlew_UlspS_f32	8.34829998		
k_StopMode1HwTrqTransThresh_HwNm_f32	9.56949997		
k_StopMode1HwVelTransThresh_HwDegpS_f32	146.798706		
k_StopMode1Timer_Sec_u16	5		
k_StopMode1VehSpdTransThres_Kph_f32	62.7015991		
k_StopMode2AssistSlew_UlspS_f32	46.0293007		
k_StopMode2HwTrqTransThresh_HwNm_f32	1.72249997		
k_StopMode2HwVelTransThresh_HwDegpS_f32	162.882401		
k_StopMode2Timer_Sec_u16	0		
k_StopMode2VehSpdTransThresh_Kph_f32	83.7605972		
k_StopModeAssistDD_Uls_f32	1		
target_DtrmnElapsedTime_mS_u32_ElapsedTime	7500		
target_GetSystemTime_mS_u32_CurrentTime	1450		
target_Rte_Inst_Ap_GMStrtStop.StrtStop_Per1_APASState_State_enum	target_StrtStop_Per1_APASState_State_enum		
target_Rte_Inst_Ap_GMStrtStop.StrtStop_Per1_EngSpd_Rpm_f32	target_StrtStop_Per1_EngSpd_Rpm_f32		
target_Rte_Inst_Ap_GMStrtStop.StrtStop_Per1_HandwheelVelocity_HwRadpS_f32	target_StrtStop_Per1_HandwheelVelocity_HwRadpS_f32		
target_Rte_Inst_Ap_GMStrtStop.StrtStop_Per1_HwTorque_HwNm_f32	target_StrtStop_Per1_HwTorque_HwNm_f32		
target_Rte_Inst_Ap_GMStrtStop.StrtStop_Per1_SS12VFault_Cnt_lgc	target_StrtStop_Per1_SS12VFault_Cnt_lgc		
target_Rte_Inst_Ap_GMStrtStop.StrtStop_Per1_SSScale_Uls_f32	target_StrtStop_Per1_SSScale_Uls_f32		
target_Rte_Inst_Ap_GMStrtStop.StrtStop_Per1_SSSlew_UlspS_f32	target_StrtStop_Per1_SSSlew_UlspS_f32		
target_Rte_Inst_Ap_GMStrtStop.StrtStop_Per1_SSState_State_enum	target_StrtStop_Per1_SSState_State_enum		
target_Rte_Inst_Ap_GMStrtStop.StrtStop_Per1_VehicleSpeed_Kph_f32	target_StrtStop_Per1_VehicleSpeed_Kph_f32		
target_StrtStop_Per1_APASState_State_enum.value	1		
target_StrtStop_Per1_EngSpd_Rpm_f32.value	3446.8374		
target_StrtStop_Per1_HandwheelVelocity_HwRadpS_f32.value	-23.6994991		
target_StrtStop_Per1_HwTorque_HwNm_f32.value	7.04300022		
target_StrtStop_Per1_SS12VFault_Cnt_lgc.value	0		
target_StrtStop_Per1_VehicleSpeed_Kph_f32.value	47.6209984		
Name	Actual Value	Expected Value	Result
StrtStop_SSScale_Uls_M_f32	1	1	✔
StrtStop_SSSlewRatePrev_UlspS_M_f32	282.30249	282.30249 ± 0.1	✔
StrtStop_StOpModePrevPrev_Cnt_M_enum	4	4	✔
StrtStop_StOpModePrev_Cnt_M_enum	0	0	✔
StrtStop_StOpMode_Cnt_M_enum	0	0	✔
StrtStop_StopModeTimer1_mS_M_u32	1334609408	1334609408	✔
StrtStop_StopModeTimer2_mS_M_u32	128181248	128181248	✔
target_StrtStop_Per1_SSScale_Uls_f32.value	1	1 ± 0.0001	✔
target_StrtStop_Per1_SSSlew_UlspS_f32.value	282.30249	282.30249 ± 0.1	✔
target_StrtStop_Per1_SSState_State_enum.value	0	0	✔

Test Step Call Trace				
Actual Function	Count	Expected Function	Count	Result
PreviousStCalc	1	PreviousStCalc	1	✓
SlewRateCalc	1	SlewRateCalc	1	✓

Test Step 3.24 (Repeat Count = 1)	
Name	Input Value
DtrmnElapsedTime_mS_u32(ElapsedTime)	target_DtrmnElapsedTime_mS_u32_ElapsedTime
GetSystemTime_mS_u32(CurrentTime)	target_GetSystemTime_mS_u32_CurrentTime
Rte_Inst_Ap_GMStrtStop	target_Rte_Inst_Ap_GMStrtStop
StrtStop_SSScale_Uls_M_f32	0.539900005
StrtStop_SSSlewRatePrev_UlspS_M_f32	99.3861008
StrtStop_StOpModePrevPrev_Cnt_M_enum	4
StrtStop_StOpModePrev_Cnt_M_enum	2
StrtStop_StOpMode_Cnt_M_enum	3
StrtStop_StopModeTimer1_mS_M_u32	2513260032
StrtStop_StopModeTimer2_mS_M_u32	3482545152
k_AlgEnable_Cnt_lgc	1
k_FltRspRampDnRt_UlspS_f32	262.386597



# TEST DETAILS REPORT

2016-07-18, 16:07:36+0530



StrtStop\_Per1

Name	Input Value
k_Mode1AssistDD_Uls_f32	0.246600002
k_Mode1AssistSlew_UlspS_f32	493.750488
k_Mode1EngTransThresh_Rpm_f32	7338.1582
k_Mode1VehSpdTransThresh_Kph_f32	199.328598
k_Mode2AssistDD_Uls_f32	1
k_Mode2AssistSlew_UlspS_f32	144.6073
k_Mode2VehSpdTransThresh_Kph_f32	178.4758
k_NormalModeAssistSlew_UlspS_f32	375.938599
k_NormalModeEngTransThresh_Rpm_f32	11935.1592
k_NormalModeVehSpdTransThresh_Kph_f32	186.938599
k_StopMode1AssistSlew_UlspS_f32	22.7310009
k_StopMode1HwTrqTransThresh_HwNm_f32	8.77000046
k_StopMode1HwVelTransThresh_HwDegpS_f32	34.6884003
k_StopMode1Timer_Sec_u16	2
k_StopMode1VehSpdTransThres_Kph_f32	137.332199
k_StopMode2AssistSlew_UlspS_f32	29.7133999
k_StopMode2HwTrqTransThresh_HwNm_f32	6.62190008
k_StopMode2HwVelTransThresh_HwDegpS_f32	124.748596
k_StopMode2Timer_Sec_u16	0
k_StopMode2VehSpdTransThresh_Kph_f32	0
k_StopModeAssistDD_Uls_f32	0.802699983
target_DtrmnElapsedTime_mS_u32_ElapsedTime	347400
target_GetSystemTime_mS_u32_CurrentTime	90550
target_Rte_Inst_Ap_GMStrtStop.StrtStop_Per1_APASState_State_enum	target_StrtStop_Per1_APASState_State_enum
target_Rte_Inst_Ap_GMStrtStop.StrtStop_Per1_EngSpd_Rpm_f32	target_StrtStop_Per1_EngSpd_Rpm_f32
target_Rte_Inst_Ap_GMStrtStop.StrtStop_Per1_HandwheelVelocity_HwRadpS_f32	target_StrtStop_Per1_HandwheelVelocity_HwRadpS_f32
target_Rte_Inst_Ap_GMStrtStop.StrtStop_Per1_HwTorque_HwNm_f32	target_StrtStop_Per1_HwTorque_HwNm_f32
target_Rte_Inst_Ap_GMStrtStop.StrtStop_Per1_SS12VFault_Cnt_lgc	target_StrtStop_Per1_SS12VFault_Cnt_lgc
target_Rte_Inst_Ap_GMStrtStop.StrtStop_Per1_SSScale_Uls_f32	target_StrtStop_Per1_SSScale_Uls_f32
target_Rte_Inst_Ap_GMStrtStop.StrtStop_Per1_SSSlew_UlspS_f32	target_StrtStop_Per1_SSSlew_UlspS_f32
target_Rte_Inst_Ap_GMStrtStop.StrtStop_Per1_SSSState_State_enum	target_StrtStop_Per1_SSSState_State_enum
target_Rte_Inst_Ap_GMStrtStop.StrtStop_Per1_VehicleSpeed_Kph_f32	target_StrtStop_Per1_VehicleSpeed_Kph_f32
target_StrtStop_Per1_APASState_State_enum.value	2
target_StrtStop_Per1_EngSpd_Rpm_f32.value	0
target_StrtStop_Per1_HandwheelVelocity_HwRadpS_f32.value	81.9309998
target_StrtStop_Per1_HwTorque_HwNm_f32.value	5.31759977
target_StrtStop_Per1_SS12VFault_Cnt_lgc.value	0
target_StrtStop_Per1_VehicleSpeed_Kph_f32.value	1.5

Name	Actual Value	Expected Value	Result
StrtStop_SSScale_Uls_M_f32	1	1	✓
StrtStop_SSSlewRatePrev_UlspS_M_f32	99.3861008	99.3861008 ± 0.1	✓
StrtStop_StOpModePrevPrev_Cnt_M_enum	2	2	✓
StrtStop_StOpModePrev_Cnt_M_enum	3	3	✓
StrtStop_StOpMode_Cnt_M_enum	3	3	✓
StrtStop_StopModeTimer1_mS_M_u32	2513260032	2513260032	✓
StrtStop_StopModeTimer2_mS_M_u32	3482545152	3482545152	✓
target_StrtStop_Per1_SSScale_Uls_f32.value	1	1 ± 0.0001	✓
target_StrtStop_Per1_SSSlew_UlspS_f32.value	99.3861008	99.3861008 ± 0.1	✓
target_StrtStop_Per1_SSSState_State_enum.value	3	3	✓

Test Step Call Trace				
Actual Function	Count	Expected Function	Count	Result
DtrmnElapsedTime_mS_u32	1	DtrmnElapsedTime_mS_u32	1	✓
PreviousStCalc	1	PreviousStCalc	1	✓
SlewRateCalc	1	SlewRateCalc	1	✓

Test Step 3.25 (Repeat Count = 1)	
Name	Input Value
DtrmnElapsedTime_mS_u32(ElapsedTime)	target_DtrmnElapsedTime_mS_u32_ElapsedTime
GetSystemTime_mS_u32(CurrentTime)	target_GetSystemTime_mS_u32_CurrentTime
Rte_Inst_Ap_GMStrtStop	target_Rte_Inst_Ap_GMStrtStop
StrtStop_SSScale_Uls_M_f32	0.173899993
StrtStop_SSSlewRatePrev_UlspS_M_f32	386.314789
StrtStop_StOpModePrevPrev_Cnt_M_enum	3
StrtStop_StOpModePrev_Cnt_M_enum	0
StrtStop_StOpMode_Cnt_M_enum	3
StrtStop_StopModeTimer1_mS_M_u32	2943700736
StrtStop_StopModeTimer2_mS_M_u32	3128624384
k_AlgEnable_Cnt_lgc	1
k_FitRspRampDnRt_UlspS_f32	490.715088

# TEST DETAILS REPORT

2016-07-18, 16:07:36+0530



StrtStop\_Per1

Name	Input Value		
k_Mode1AssistDD_Uls_f32	0.656099975		
k_Mode1AssistSlew_UlspS_f32	476.726715		
k_Mode1EngTransThresh_Rpm_f32	5330.61426		
k_Mode1VehSpdTransThresh_Kph_f32	77.035202		
k_Mode2AssistDD_Uls_f32	0.983699977		
k_Mode2AssistSlew_UlspS_f32	189.569702		
k_Mode2VehSpdTransThresh_Kph_f32	43.5330009		
k_NormalModeAssistSlew_UlspS_f32	411.171814		
k_NormalModeEngTransThresh_Rpm_f32	5034.64941		
k_NormalModeVehSpdTransThresh_Kph_f32	166.194397		
k_StopMode1AssistSlew_UlspS_f32	294.277008		
k_StopMode1HwTrqTransThresh_HwNm_f32	7.40579987		
k_StopMode1HwVelTransThresh_HwDegpS_f32	69.9590988		
k_StopMode1Timer_Sec_u16	0		
k_StopMode1VehSpdTransThres_Kph_f32	51.3577995		
k_StopMode2AssistSlew_UlspS_f32	128.764999		
k_StopMode2HwTrqTransThresh_HwNm_f32	10		
k_StopMode2HwVelTransThresh_HwDegpS_f32	59.0872002		
k_StopMode2Timer_Sec_u16	4		
k_StopMode2VehSpdTransThresh_Kph_f32	60.1553001		
k_StopModeAssistDD_Uls_f32	0.33039999		
target_DtrmnElapsedTime_mS_u32_ElapsedTime	0		
target_GetSystemTime_mS_u32_CurrentTime	100000		
target_Rte_Inst_Ap_GMStrtStop.StrtStop_Per1_APASState_State_enum	target_StrtStop_Per1_APASState_State_enum		
target_Rte_Inst_Ap_GMStrtStop.StrtStop_Per1_EngSpd_Rpm_f32	target_StrtStop_Per1_EngSpd_Rpm_f32		
target_Rte_Inst_Ap_GMStrtStop.StrtStop_Per1_HandwheelVelocity_HwRadpS_f32	target_StrtStop_Per1_HandwheelVelocity_HwRadpS_f32		
target_Rte_Inst_Ap_GMStrtStop.StrtStop_Per1_HwTorque_HwNm_f32	target_StrtStop_Per1_HwTorque_HwNm_f32		
target_Rte_Inst_Ap_GMStrtStop.StrtStop_Per1_SS12VFault_Cnt_lgc	target_StrtStop_Per1_SS12VFault_Cnt_lgc		
target_Rte_Inst_Ap_GMStrtStop.StrtStop_Per1_SSScale_Uls_f32	target_StrtStop_Per1_SSScale_Uls_f32		
target_Rte_Inst_Ap_GMStrtStop.StrtStop_Per1_SSSlew_UlspS_f32	target_StrtStop_Per1_SSSlew_UlspS_f32		
target_Rte_Inst_Ap_GMStrtStop.StrtStop_Per1_SSSState_State_enum	target_StrtStop_Per1_SSSState_State_enum		
target_Rte_Inst_Ap_GMStrtStop.StrtStop_Per1_VehicleSpeed_Kph_f32	target_StrtStop_Per1_VehicleSpeed_Kph_f32		
target_StrtStop_Per1_APASState_State_enum.value	0		
target_StrtStop_Per1_EngSpd_Rpm_f32.value	0		
target_StrtStop_Per1_HandwheelVelocity_HwRadpS_f32.value	0		
target_StrtStop_Per1_HwTorque_HwNm_f32.value	-3.01349998		
target_StrtStop_Per1_SS12VFault_Cnt_lgc.value	0		
target_StrtStop_Per1_VehicleSpeed_Kph_f32.value	0		
Name	Actual Value	Expected Value	Result
StrtStop_SSScale_Uls_M_f32	0.173899993	0.173899993	✔
StrtStop_SSSlewRatePrev_UlspS_M_f32	490.715088	490.715088 ± 0.1	✔
StrtStop_StOpModePrevPrev_Cnt_M_enum	0	0	✔
StrtStop_StOpModePrev_Cnt_M_enum	3	3	✔
StrtStop_StOpMode_Cnt_M_enum	3	3	✔
StrtStop_StopModeTimer1_mS_M_u32	2943700736	2943700736	✔
StrtStop_StopModeTimer2_mS_M_u32	3128624384	3128624384	✔
target_StrtStop_Per1_SSScale_Uls_f32.value	0.173899993	0.173899993 ± 0.0001	✔
target_StrtStop_Per1_SSSlew_UlspS_f32.value	490.715088	490.715088 ± 0.1	✔
target_StrtStop_Per1_SSSState_State_enum.value	3	3	✔

Test Step Call Trace				
Actual Function	Count	Expected Function	Count	Result
DtrmnElapsedTime_mS_u32	1	DtrmnElapsedTime_mS_u32	1	✓
PreviousStCalc	1	PreviousStCalc	1	✓
SlewRateCalc	1	SlewRateCalc	1	✓

# TEST DETAILS REPORT

2016-07-18, 16:03:54+0530



StrtStop\_Init1

Project	GMStrtStop2
Module	GMStrtStop
Test Object	StrtStop_Init1

## Instrumentation: Test Object Only

Statement (C0) Coverage	100 %
Branch (C1) Coverage	100 %

## Statistics

Total Testcases	1
Successful	1 ✓
Failed	0
Not Executed	0

## Module Properties

Project Root Directory	D:\Synergy_Work_Area\GMStrtStop
Configuration File	D:\Synergy_Work_Area\GMStrtStop\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)\GMStrtStop\src\Ap_GMStrtStop.c
Compiler Options	-D_DATA_ACCESS= -Dconst= -I\$(PROJECTROOT)\GMStrtStop\utp\contract\Ap_GMStrtStop -I\$(PROJECTROOT)\GMStrtStop\utp\contract -I\$(PROJECTROOT)\NxtLib\include -I\$(PROJECTROOT)\StdDef\include -I\$(Compiler Install Path)\include

## Comments/Description/Specification

Name	Text
Module 'GMStrtStop'	***** UNIT TEST DESCRIPTION *****  Name of Tester: Imran Desai Code File(s) Under Test: Ap_GMStrtStop.c Code File(s) Version: 3 Module Design Document: GMStrtStop_MDD.docx Module Design Document Version: 5 Data Dictionary Version: 5 Unit Test Plan Version: 1 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): 1046 Total RAM Used (Bytes): 20 Total CALS Used (Bytes): 85 Special Test Requirements: Test Date: 7/15/2016 Comments: NOTE1: Inline Function defined in Globalmacro.h is not unit tested.  NOTE2: "CBD_Sandbox_dbg.map" map file is embedded for the reference.  *****

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	\$(PROJECTROOT)\UnitTestEnv\static_build_files\sys_link.cmd
Makefile Template	\$(PROJECTROOT)\UnitTestEnv\config\Nexteer_ts_make_ude_ti_tms570.tpl
Target Install Path	\$(ProgramFiles)\pls\UDE 4.4
Time Unit	Cycles
Timer Enabled	false
Timer Prescale	0
Timer Resolution	1
UDE Config File	\$(PROJECTROOT)\UnitTestEnv\config\TMS570_UDE_12PIN_JTAG.cfg

# TEST DETAILS REPORT

2016-07-18, 16:03:54+0530

StrtStop\_Init1



Attributes	
Name	Value
Workspace File	D:\Synergy_Work_Area\GMStrtStop\UnitTestEnv\config\UDE_TMS570_DEBUG.WSP

## Test Case 1: Range Test



<b>Specification</b>	Performance Metrics: (With "None" Instrumentation and "WithPS" Environment) CPU Cycles:
	TS1.1 3.00 Cycles
<b>Description</b>	Vector Description
	TS1.1nothing to check

# TEST DETAILS REPORT

2016-07-18, 16:10:23+0530

PreviousStCalc



Project	GMStrtStop2
Module	GMStrtStop
Test Object	PreviousStCalc

## 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\GMStrtStop
Configuration File	D:\Synergy_Work_Area\GMStrtStop\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)\GMStrtStop\src\Ap_GMStrtStop.c
Compiler Options	-D_DATA_ACCESS= -Dconst= -I\$(PROJECTROOT)\GMStrtStop\utp\contract\Ap_GMStrtStop -I\$(PROJECTROOT)\GMStrtStop\utp\contract -I\$(PROJECTROOT)\NxtLib\include -I\$(PROJECTROOT)\StdDef\include -I\$(Compiler Install Path)\include

## Comments/Description/Specification

Name	Text
Module 'GMStrtStop'	***** UNIT TEST DESCRIPTION*****  Name of Tester: Imran Desai Code File(s) Under Test:Ap_GMStrtStop.c Code File(s) Version: 3 Module Design Document:GMStrtStop_MDD.docx Module Design Document Version:5 Data Dictionary Version: 5 Unit Test Plan Version:1 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):1046 Total RAM Used (Bytes):20 Total CALS Used (Bytes):85 Special Test Requirements: Test Date:7/15/2016 Comments: NOTE1: Inline Function defined in Globalmacro.h is not unit tested.  NOTE2: "CBD_Sandbox_dbg.map" map file is embedded for the reference.  *****

## 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	\$(PROJECTROOT)\UnitTestEnv\static_build_files\sys_link.cmd
Makefile Template	\$(PROJECTROOT)\UnitTestEnv\config\Nexteer_ts_make_ude_ti_tms570.tpl
Target Install Path	\$(ProgramFiles)\pls\UDE 4.4
Time Unit	Cycles
Timer Enabled	false

# TEST DETAILS REPORT

2016-07-18, 16:10:23+0530

PreviousStCalc



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\GMStrtStop\UnitTestEnv\config\UDE_TMS570_DEBUG.WSP

## Test Case 1: Metrics Test

Specification	Performance Metrics: (With "None" Instrumentation and "WithPS" Environment) CPU Cycles:  TS1.1 44.00 Cycles TS1.2 60.00 Cycles
Description	Vector Description  TS1.1"Shortest Execution Path (StrtStop_StOpMode_Cnt_M_enum == StrtStop_StOpModePrev_Cnt_M_enum)=false" TS1.2"Longest Execution Path (StrtStop_StOpMode_Cnt_M_enum == StrtStop_StOpModePrev_Cnt_M_enum)=true"

## Test Step 1.1 (Repeat Count = 1)

Name	Input Value		
StrtStop_StOpModePrevPrev_Cnt_M_enum	0		
StrtStop_StOpModePrev_Cnt_M_enum	2		
StrtStop_StOpMode_Cnt_M_enum	0		
Name	Actual Value	Expected Value	Result
StrtStop_StOpModePrev_Cnt_M_enum	2	2	✓

## Test Step 1.2 (Repeat Count = 1)

Name	Input Value		
StrtStop_StOpModePrevPrev_Cnt_M_enum	4		
StrtStop_StOpModePrev_Cnt_M_enum	5		
StrtStop_StOpMode_Cnt_M_enum	5		
Name	Actual Value	Expected Value	Result
StrtStop_StOpModePrev_Cnt_M_enum	4	4	✓



## Test Case 2: Range Test

## Specification

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

TS2.1 44.00 Cycles  
TS2.2 44.00 Cycles  
TS2.3 60.00 Cycles  
TS2.4 44.00 Cycles  
TS2.5 60.00 Cycles  
TS2.6 60.00 Cycles  
TS2.7 60.00 Cycles  
TS2.8 60.00 Cycles  
TS2.9 44.00 Cycles  
TS2.10 44.00 Cycles  
TS2.11 44.00 Cycles  
TS2.12 44.00 Cycles  
TS2.13 60.00 Cycles  
TS2.14 60.00 Cycles  
TS2.15 60.00 Cycles  
TS2.16 60.00 Cycles  
TS2.17 60.00 Cycles  
TS2.18 60.00 Cycles  
TS2.19 44.00 Cycles  
TS2.20 60.00 Cycles

## Description

Vector Description

TS2.1All Min  
TS2.2All Max  
TS2.3StrtStop\_StOpMode\_Cnt\_M\_enum==>SS\_Normal  
TS2.4StrtStop\_StOpMode\_Cnt\_M\_enum==>SS\_Intermediate1  
TS2.5StrtStop\_StOpMode\_Cnt\_M\_enum==>SS\_Stop  
TS2.6StrtStop\_StOpMode\_Cnt\_M\_enum==>SS\_Intermediate2  
TS2.7StrtStop\_StOpMode\_Cnt\_M\_enum==>SS\_Fault  
TS2.8StrtStop\_StOpMode\_Cnt\_M\_enum==>SS\_Disable  
TS2.9StrtStop\_StOpModePrev\_Cnt\_M\_enum==>SS\_Normal  
TS2.10StrtStop\_StOpModePrev\_Cnt\_M\_enum==>SS\_Intermediate1  
TS2.11StrtStop\_StOpModePrev\_Cnt\_M\_enum==>SS\_Stop  
TS2.12StrtStop\_StOpModePrev\_Cnt\_M\_enum==>SS\_Intermediate2  
TS2.13StrtStop\_StOpModePrev\_Cnt\_M\_enum==>SS\_Fault  
TS2.14StrtStop\_StOpModePrev\_Cnt\_M\_enum==>SS\_Disable  
TS2.15StrtStop\_StOpModePrevPrev\_Cnt\_M\_enum==>SS\_Normal  
TS2.16StrtStop\_StOpModePrevPrev\_Cnt\_M\_enum==>SS\_Intermediate1  
TS2.17StrtStop\_StOpModePrevPrev\_Cnt\_M\_enum==>SS\_Stop  
TS2.18StrtStop\_StOpModePrevPrev\_Cnt\_M\_enum==>SS\_Intermediate2  
TS2.19StrtStop\_StOpModePrevPrev\_Cnt\_M\_enum==>SS\_Fault  
TS2.20StrtStop\_StOpModePrevPrev\_Cnt\_M\_enum==>SS\_Disable

## Test Step 2.1 (Repeat Count = 1)

Name	Input Value		
StrtStop_StOpModePrevPrev_Cnt_M_enum	0		
StrtStop_StOpModePrev_Cnt_M_enum	0		
StrtStop_StOpMode_Cnt_M_enum	0		
Name	Actual Value	Expected Value	Result
StrtStop_StOpModePrev_Cnt_M_enum	0	0	✓

## Test Step 2.2 (Repeat Count = 1)

Name	Input Value		
StrtStop_StOpModePrevPrev_Cnt_M_enum	5		
StrtStop_StOpModePrev_Cnt_M_enum	5		
StrtStop_StOpMode_Cnt_M_enum	5		
Name	Actual Value	Expected Value	Result
StrtStop_StOpModePrev_Cnt_M_enum	5	5	✓

## Test Step 2.3 (Repeat Count = 1)

Name	Input Value		
StrtStop_StOpModePrevPrev_Cnt_M_enum	0		
StrtStop_StOpModePrev_Cnt_M_enum	2		
StrtStop_StOpMode_Cnt_M_enum	0		
Name	Actual Value	Expected Value	Result
StrtStop_StOpModePrev_Cnt_M_enum	2	2	✓

## Test Step 2.4 (Repeat Count = 1)

Name	Input Value		
StrtStop_StOpModePrevPrev_Cnt_M_enum	5		
StrtStop_StOpModePrev_Cnt_M_enum	1		

# TEST DETAILS REPORT

2016-07-18, 16:10:23+0530

PreviousStCalc



Name	Input Value		
StrtStop_StOpMode_Cnt_M_enum	1		
Name	Actual Value	Expected Value	Result
StrtStop_StOpModePrev_Cnt_M_enum	5	5	✓

Test Step 2.5 (Repeat Count = 1)				✓
Name	Input Value			
StrtStop_StOpModePrevPrev_Cnt_M_enum	2			
StrtStop_StOpModePrev_Cnt_M_enum	3			
StrtStop_StOpMode_Cnt_M_enum	2			
Name	Actual Value	Expected Value	Result	
StrtStop_StOpModePrev_Cnt_M_enum	3	3		✓

Test Step 2.6 (Repeat Count = 1)				✓
Name	Input Value			
StrtStop_StOpModePrevPrev_Cnt_M_enum	1			
StrtStop_StOpModePrev_Cnt_M_enum	1			
StrtStop_StOpMode_Cnt_M_enum	3			
Name	Actual Value	Expected Value	Result	
StrtStop_StOpModePrev_Cnt_M_enum	1	1		✓

Test Step 2.7 (Repeat Count = 1)				✓
Name	Input Value			
StrtStop_StOpModePrevPrev_Cnt_M_enum	2			
StrtStop_StOpModePrev_Cnt_M_enum	2			
StrtStop_StOpMode_Cnt_M_enum	4			
Name	Actual Value	Expected Value	Result	
StrtStop_StOpModePrev_Cnt_M_enum	2	2		✓

Test Step 2.8 (Repeat Count = 1)				✓
Name	Input Value			
StrtStop_StOpModePrevPrev_Cnt_M_enum	1			
StrtStop_StOpModePrev_Cnt_M_enum	3			
StrtStop_StOpMode_Cnt_M_enum	5			
Name	Actual Value	Expected Value	Result	
StrtStop_StOpModePrev_Cnt_M_enum	3	3		✓

Test Step 2.9 (Repeat Count = 1)				✓
Name	Input Value			
StrtStop_StOpModePrevPrev_Cnt_M_enum	5			
StrtStop_StOpModePrev_Cnt_M_enum	0			
StrtStop_StOpMode_Cnt_M_enum	0			
Name	Actual Value	Expected Value	Result	
StrtStop_StOpModePrev_Cnt_M_enum	5	5		✓

Test Step 2.10 (Repeat Count = 1)				✓
Name	Input Value			
StrtStop_StOpModePrevPrev_Cnt_M_enum	5			
StrtStop_StOpModePrev_Cnt_M_enum	1			
StrtStop_StOpMode_Cnt_M_enum	1			
Name	Actual Value	Expected Value	Result	
StrtStop_StOpModePrev_Cnt_M_enum	5	5		✓

# TEST DETAILS REPORT

2016-07-18, 16:10:23+0530

PreviousStCalc



Test Step 2.11 (Repeat Count = 1)				✓
Name	Input Value			
StrtStop_StOpModePrevPrev_Cnt_M_enum	4			
StrtStop_StOpModePrev_Cnt_M_enum	2			
StrtStop_StOpMode_Cnt_M_enum	2			
Name	Actual Value	Expected Value	Result	
StrtStop_StOpModePrev_Cnt_M_enum	4	4	✓	

Test Step 2.12 (Repeat Count = 1)				✓
Name	Input Value			
StrtStop_StOpModePrevPrev_Cnt_M_enum	2			
StrtStop_StOpModePrev_Cnt_M_enum	3			
StrtStop_StOpMode_Cnt_M_enum	3			
Name	Actual Value	Expected Value	Result	
StrtStop_StOpModePrev_Cnt_M_enum	2	2	✓	

Test Step 2.13 (Repeat Count = 1)				✓
Name	Input Value			
StrtStop_StOpModePrevPrev_Cnt_M_enum	2			
StrtStop_StOpModePrev_Cnt_M_enum	4			
StrtStop_StOpMode_Cnt_M_enum	1			
Name	Actual Value	Expected Value	Result	
StrtStop_StOpModePrev_Cnt_M_enum	4	4	✓	

Test Step 2.14 (Repeat Count = 1)				✓
Name	Input Value			
StrtStop_StOpModePrevPrev_Cnt_M_enum	0			
StrtStop_StOpModePrev_Cnt_M_enum	5			
StrtStop_StOpMode_Cnt_M_enum	0			
Name	Actual Value	Expected Value	Result	
StrtStop_StOpModePrev_Cnt_M_enum	5	5	✓	

Test Step 2.15 (Repeat Count = 1)				✓
Name	Input Value			
StrtStop_StOpModePrevPrev_Cnt_M_enum	0			
StrtStop_StOpModePrev_Cnt_M_enum	1			
StrtStop_StOpMode_Cnt_M_enum	0			
Name	Actual Value	Expected Value	Result	
StrtStop_StOpModePrev_Cnt_M_enum	1	1	✓	

Test Step 2.16 (Repeat Count = 1)				✓
Name	Input Value			
StrtStop_StOpModePrevPrev_Cnt_M_enum	1			
StrtStop_StOpModePrev_Cnt_M_enum	2			
StrtStop_StOpMode_Cnt_M_enum	1			
Name	Actual Value	Expected Value	Result	
StrtStop_StOpModePrev_Cnt_M_enum	2	2	✓	

Test Step 2.17 (Repeat Count = 1)				✓
Name	Input Value			
StrtStop_StOpModePrevPrev_Cnt_M_enum	2			
StrtStop_StOpModePrev_Cnt_M_enum	3			
StrtStop_StOpMode_Cnt_M_enum	2			
Name	Actual Value	Expected Value	Result	
StrtStop_StOpModePrev_Cnt_M_enum	3	3	✓	

# TEST DETAILS REPORT

2016-07-18, 16:10:23+0530

PreviousStCalc



## Test Step 2.18 (Repeat Count = 1)

Name	Input Value		
StrtStop_StOpModePrevPrev_Cnt_M_enum	3		
StrtStop_StOpModePrev_Cnt_M_enum	5		
StrtStop_StOpMode_Cnt_M_enum	3		
Name	Actual Value	Expected Value	Result
StrtStop_StOpModePrev_Cnt_M_enum	5	5	✔

## Test Step 2.19 (Repeat Count = 1)

Name	Input Value		
StrtStop_StOpModePrevPrev_Cnt_M_enum	4		
StrtStop_StOpModePrev_Cnt_M_enum	4		
StrtStop_StOpMode_Cnt_M_enum	4		
Name	Actual Value	Expected Value	Result
StrtStop_StOpModePrev_Cnt_M_enum	4	4	✔

## Test Step 2.20 (Repeat Count = 1)

Name	Input Value		
StrtStop_StOpModePrevPrev_Cnt_M_enum	5		
StrtStop_StOpModePrev_Cnt_M_enum	0		
StrtStop_StOpMode_Cnt_M_enum	5		
Name	Actual Value	Expected Value	Result
StrtStop_StOpModePrev_Cnt_M_enum	0	0	✔

## Test Case 3: Path Test

<b>Specification</b>	Performance Metrics: (With "None" Instrumentation and "WithPS" Environment) CPU Cycles:  TS3.1 60.00 Cycles TS3.2 44.00 Cycles
<b>Description</b>	Vector Description  TS3.1(StrtStop_StOpMode_Cnt_M_enum == StrtStop_StOpModePrev_Cnt_M_enum)=false TS3.2(StrtStop_StOpMode_Cnt_M_enum == StrtStop_StOpModePrev_Cnt_M_enum)=true

## Test Step 3.1 (Repeat Count = 1)

Name	Input Value		
StrtStop_StOpModePrevPrev_Cnt_M_enum	0		
StrtStop_StOpModePrev_Cnt_M_enum	2		
StrtStop_StOpMode_Cnt_M_enum	0		
Name	Actual Value	Expected Value	Result
StrtStop_StOpModePrev_Cnt_M_enum	2	2	✔

## Test Step 3.2 (Repeat Count = 1)

Name	Input Value		
StrtStop_StOpModePrevPrev_Cnt_M_enum	4		
StrtStop_StOpModePrev_Cnt_M_enum	5		
StrtStop_StOpMode_Cnt_M_enum	5		
Name	Actual Value	Expected Value	Result
StrtStop_StOpModePrev_Cnt_M_enum	4	4	✓