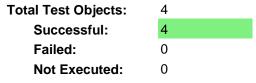
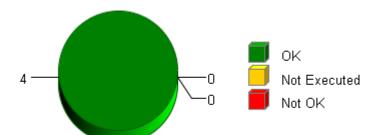


Summary

Overall Test Object Results (including Coverage)



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Selected Project Items

Test Object "CBD_UnitTest/GMStrtStop/PreviousStCalc"

Test Object "CBD_UnitTest/GMStrtStop/SlewRateCalc"

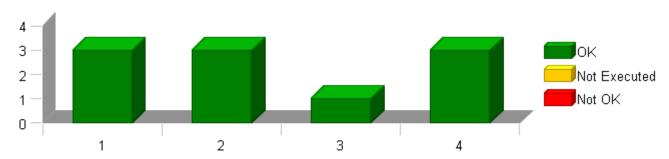
Test Object "CBD_UnitTest/GMStrtStop/StrtStop_Init1"

Test Object "CBD UnitTest/GMStrtStop/StrtStop Per1"

Used Test Environments

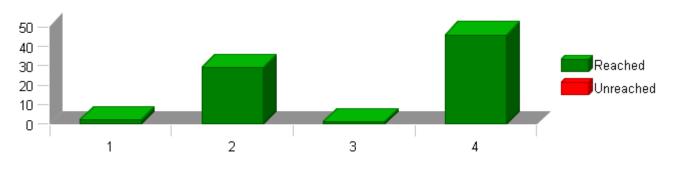
TI TMS 570 PLS UDE (Default)

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).

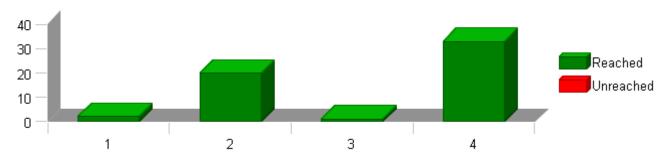
Statement (C0) Coverage: Total Statements for Each Test Object





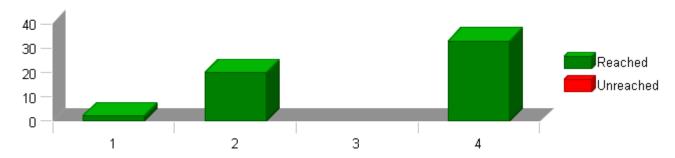
The table above shows each test object on the x axis and the number of statements of the respective test object on the y axis. Each bar is divided into reached statements (i.e. statements that have been executed during the test) and unreached statements.

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.

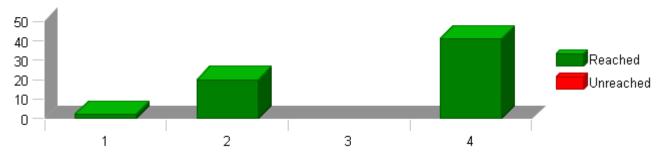
Decision Coverage: Total Decision Outcomes for Each Test Object



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

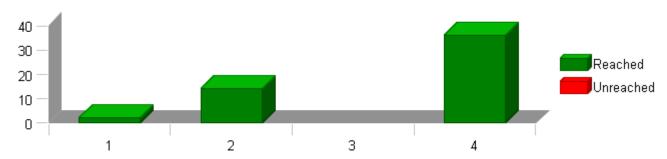


The table above shows test objects on the x axis and the number of condition combinations of all decisions of the respective test object on the y axis. The number of condition combinations is based on the number of boolean conditions within each decision of the test object. To achieve full MC/DC coverage, 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

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Test Object List

Project GMStrtStop2

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	<u>PreviousStCalc</u>	100 %	100 %	100 %	100 %	100 %	3 of 3 passed	~
2	<u>SlewRateCalc</u>	100 %	100 %	100 %	100 %	100 %	3 of 3 passed	•
3	StrtStop Init1	100 %	100 %	-	-	-	1 of 1 passed	~
4	StrtStop Per1	100 %	100 %	100 %	100 %	100 %	3 of 3 passed	~

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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)\NxtrLib\include -I\$(PROJECTROOT)\StdDef\include -I\$(Compiler Install Path)\include

ame	Text
lodule 'GMStrtStop'	**************************************
	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			

SlewRateCalc

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Attributes		
Name	Value	
Timer Prescale	0	
Timer Resolution		
UDE Config File \$(PROJECTROOT)\UnitTestEnv\config\TMS570_UDE_12PIN_JTAG.cfg		
Workspace File D:\Synergy_Work_Area\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 72.00 Cycles TS1.2 86.00 Cycles

Description Vector Description

TS1.1"Shortest Executution Path:
switch (StrtStop_StOpModePrev_Cnt_M_enum)
Case default:"
TS1.2"Longest Executution 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 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
TS2.3 97.00 Cycles
TS2.4 91.00 Cycles
TS2.5 7.00 Cycles
TS2.6 118.00 Cycles
TS2.7 85.00 Cycles
TS2.8 7.00 Cycles
TS2.9 80.00 Cycles
TS2.10 91.00 Cycles
TS2.11 116.00 Cycles
TS2.12 118.00 Cycles
TS2.12 18.00 Cycles
TS2.14 82.00 Cycles
TS2.15 99.00 Cycles
TS2.15 99.00 Cycles
TS2.17 78.00 Cycles
TS2.17 78.00 Cycles
TS2.18 88.00 Cycles
TS2.19 131.00 Cycles TS2.18 88.00 Cycles
TS2.19 131.00 Cycles
TS2.20 112.00 Cycles
TS2.21 108.00 Cycles
TS2.22 18.00 Cycles
TS2.23 98.00 Cycles
TS2.24 99.00 Cycles
TS2.24 99.00 Cycles
TS2.26 96.00 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
TS2.31 76.00 Cycles
TS2.32 76.00 Cycles

Description

Vector Description

TS2.1All Min TS2.2All Max

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_Intermediate1
TS2.5StrtStop_StOpModePrev_Cnt_M_enum==>SS_Intermediate2
TS2.7StrtStop_StOpModePrev_Cnt_M_enum==>SS_Intermediate2
TS2.7StrtStop_StOpModePrev_Cnt_M_enum==>SS_Disable
TS2.8StrtStop_StOpMode_Cnt_M_enum==>SS_Disable
TS2.9StrtStop_StOpMode_Cnt_M_enum==>SS_Intermediate1
TS2.10StrtStop_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_Fault
TS2.15k_Mode1AssistSlew_UlspS_f32==>Min
TS2.16k_Mode1AssistSlew_UlspS_f32==>Mia 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 TS2.24k_FitRspRampDnRt_UlspS_f32==>Min
TS2.25k_FitRspRampDnRt_UlspS_f32==>Max
TS2.26k_FitRspRampDnRt_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==>Pos / Default
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	0.10000001		
k_Mode1AssistSlew_UlspS_f32	0.100000001		
k_Mode2AssistSlew_UlspS_f32	0.10000001		
k_NormalModeAssistSlew_UlspS_f32	0.100000001		
k_StopMode1AssistSlew_UlspS_f32	0.10000001		
k_StopMode2AssistSlew_UlspS_f32	0.10000001		
Name	Actual Value	Expected Value	Result
SlewRateCalc()	0.10000001	0.10000001	~

Test Step 2.2 (Repeat Count = 1)	✓
Name	Input Value
StrtStop_StOpModePrev_Cnt_M_enum	5

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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 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_UIspS_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	

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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	0.10000001	•

Test Step 2.16 (Repeat Count = 1)	✓
Name	Input Value
StrtStop_StOpModePrev_Cnt_M_enum	0
StrtStop_StOpMode_Cnt_M_enum	1

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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_UIspS_f32	376.119507		
k_NormalModeAssistSlew_UlspS_f32	0.10000001		
k_StopMode1AssistSlew_UlspS_f32	315.041809		
k_StopMode2AssistSlew_UlspS_f32	205.487396		
Name	Actual Value	Expected Value	Result
SlewRateCalc()	0.10000001	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 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	0.10000001		
k_StopMode2AssistSlew_UlspS_f32	462.653687		
Name	Actual Value	Expected Value	Result
SlewRateCalc()	0.100000001	0.10000001	✓

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	0.80000012		
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	0.10000001		
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 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)			V
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 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	0.40000006		
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	0.40000006	~

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	0.10000001		
Name	Actual Value	Expected Value	Result
SlewRateCalc()	0.100000001	0.10000001	~

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
TS3.5 118.00 Cycles
TS3.6 85.00 Cycles
TS3.7 77.00 Cycles
TS3.7 77.00 Cycles
TS3.1 111.00 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
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\_StOp\overline{M}ode\_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
TS3.6case SS_Fault:
TS3.7case default :
1S3.7case detault.
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_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 3.2 (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 3.3 (Repeat Count = 1)			V
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

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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_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 3.9 (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 3.10 (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()	0.10000001	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_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 3.12 (Repeat Count = 1)	✓
Name	Input Value
StrtStop_StOpModePrev_Cnt_M_enum	3

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Nama	Innut Value		
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)		V	
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	~

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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)\NxtrLib\include -I\$(PROJECTROOT)\\NxtrLib\include -I\$(PROJECTROOT)\\Nxtr

Name	Text
Name Module 'GMStrtStop'	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

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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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StrtStop_Per1





Test Case 1: Metrics Test

Specification

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

CPU Cycles:

TS1.1 303.00 Cycles TS1.2 968.00 Cycles

Description Vector Description

TS1.1"Shortest Executution Path: (k_AlgEnable_Cnt_lgc == FALSE)=true (APAState_State_T_enum == D_APASTNORM_CNT_U08)=true

"TS1.2"Longest Executution 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_T_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"

Name	Input Value		
DtrmnElapsedTime_mS_u32(ElapsedTime)	target_DtrmnElapsedTime_mS_u32_Elapse	dTime	
GetSystemTime_mS_u32(CurrentTime)	target_GetSystemTime_mS_u32_CurrentTir		
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		
AlgEnable Cnt Igc	0		
k_FltRspRampDnRt_UlspS_f32	0.100000001		
	0.00109999999		
(_Mode1AssistDD_Uls_f32			
k_Mode1AssistSlew_UlspS_f32	0.100000001		
k_Mode1EngTransThresh_Rpm_f32	0		
< Mode1VehSpdTransThresh_Kph_f32 < Mode2AppintDD_LUI_6_f33	0		
< Mode2AssistDD_Uls_f32 < Mode2AssistClays_UlseS_f32	0.00109999999		
< Mode2AssistSlew_UlspS_f32 Adde3V4bSqdTassaTheads (42b, 62c)	0.100000001		
<_Mode2VehSpdTransThresh_Kph_f32	0		
<_NormalModeAssistSlew_UlspS_f32	0.100000001		
C_NormalModeEngTransThresh_Rpm_f32	0		
C_NormalModeVehSpdTransThresh_Kph_f32	0		
<_StopMode1AssistSlew_UlspS_f32	0.100000001		
k_StopMode1HwTrqTransThresh_HwNm_f32	0		
k_StopMode1HwVelTransThresh_HwDegpS_f32	0		
k_StopMode1Timer_Sec_u16	0		
<_StopMode1VehSpdTransThres_Kph_f32	0		
k_StopMode2AssistSlew_UlspS_f32	0.100000001		
k_StopMode2HwTrqTransThresh_HwNm_f32	0		
<_StopMode2HwVelTransThresh_HwDegpS_f32	0		
x_StopMode2Timer_Sec_u16	0		
<_StopMode2VehSpdTransThresh_Kph_f32	0		
C_StopModeAssistDD_Uls_f32	0		
arget_DtrmnElapsedTime_mS_u32_ElapsedTime	0		
arget_GetSystemTime_mS_u32_CurrentTime	0		
arget_Rte_Inst_Ap_GMStrtStop.StrtStop_Per1_APAState_State_enum	target_StrtStop_Per1_APAState_State_enur	n	
arget_Rte_Inst_Ap_GMStrtStop.StrtStop_Per1_EngSpd_Rpm_f32	target_StrtStop_Per1_EngSpd_Rpm_f32		
arget_Rte_Inst_Ap_GMStrtStop.StrtStop_Per1_HandwheelVelocity_HwRadpS_f32	target_StrtStop_Per1_HandwheelVelocity_H	wRadpS_f32	
arget_Rte_Inst_Ap_GMStrtStop.StrtStop_Per1_HwTorque_HwNm_f32	target_StrtStop_Per1_HwTorque_HwNm_f3:	2	
arget_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		
arget_Rte_Inst_Ap_GMStrtStop.StrtStop_Per1_SSSlew_UlspS_f32	target_StrtStop_Per1_SSSlew_UlspS_f32		
arget_Rte_Inst_Ap_GMStrtStop.StrtStop_Per1_SSState_State_enum	target_StrtStop_Per1_SSState_State_enum		
arget_Rte_Inst_Ap_GMStrtStop.StrtStop_Per1_VehicleSpeed_Kph_f32	target_StrtStop_Per1_VehicleSpeed_Kph_f3	32	
arget_StrtStop_Per1_APAState_State_enum.value	0		
arget_StrtStop_Per1_EngSpd_Rpm_f32.value	0		
arget_StrtStop_Per1_HandwheelVelocity_HwRadpS_f32.value	-100		
arget_StrtStop_Per1_HwTorque_HwNm_f32.value	-10		
arget_StrtStop_Per1_SS12VFault_Cnt_lgc.value	0		
target_StrtStop_Per1_VehicleSpeed_Kph_f32.value	0		
Name	Actual Value	Expected Value	Resu

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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	0.10000001	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 1.2 (Repeat Count = 1)	Input Value		
Name	Input Value	dTime	
DtrmnElapsedTime_mS_u32(ElapsedTime)	target_DtrmnElapsedTime_mS_u32_Elapse		
GetSystemTime_mS_u32(CurrentTime)	target_GetSystemTime_mS_u32_CurrentTin	me	
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_UIs_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	5.81529999 171.247406		
k StopMode2Timer Sec u16	4		
k_StopMode2VehSpdTransThresh_Kph_f32	50.5055008		
	0.492900014		
k_StopModeAssistDD_UIs_f32			
target_DtrmnElapsedTime_mS_u32_ElapsedTime	0		
target_GetSystemTime_mS_u32_CurrentTime	200		
target_Rte_Inst_Ap_GMStrtStop.StrtStop_Per1_APAState_State_enum	target_StrtStop_Per1_APAState_State_enu	m	
target_Rte_Inst_Ap_GMStrtStop_StrtStop_Per1_EngSpd_Rpm_f32	target_StrtStop_Per1_EngSpd_Rpm_f32	L D L O 700	
target_Rte_Inst_Ap_GMStrtStop.StrtStop_Per1_HandwheelVelocity_HwRadpS_f32	· - · - · - · - · - · - · - · - · - · -	• -	
target_Rte_Inst_Ap_GMStrtStop.StrtStop_Per1_HwTorque_HwNm_f32	target_StrtStop_Per1_HwTorque_HwNm_f3		
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	1	
target_Rte_Inst_Ap_GMStrtStop.StrtStop_Per1_VehicleSpeed_Kph_f32	target_StrtStop_Per1_VehicleSpeed_Kph_f	32	
target_StrtStop_Per1_APAState_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	Resu
StrtStop_SSScale_Uls_M_f32	0.58920002	0.58920002	
StrtStop_SSSlewRatePrev_UlspS_M_f32	398.398407	398.398407 ± 0.1	

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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	-

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Test Case 2: Range Test

StrtStop_Per1

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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 TS2.9 408.00 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 TS2.18 316.00 Cycles TS2.19 327.00 Cycles TS2.20 929.00 Cycles TS2.20 929.00 Cycles TS2.19 327.00 Cycles
TS2.20 929.00 Cycles
TS2.21 928.00 Cycles
TS2.21 928.00 Cycles
TS2.22 331.00 Cycles
TS2.23 334.00 Cycles
TS2.24 383.00 Cycles
TS2.25 329.00 Cycles
TS2.26 885.00 Cycles
TS2.27 945.00 Cycles
TS2.29 898.00 Cycles
TS2.29 898.00 Cycles
TS2.23 314.00 Cycles
TS2.31 354.00 Cycles
TS2.33 319.00 Cycles
TS2.33 319.00 Cycles
TS2.33 319.00 Cycles
TS2.35 317.00 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
TS2.39 425.00 Cycles
TS2.34 381.00 Cycles
TS2.44 381.00 Cycles
TS2.44 381.00 Cycles
TS2.45 816.00 Cycles
TS2.46 816.00 Cycles
TS2.47 933.00 Cycles
TS2.48 873.00 Cycles
TS2.48 873.00 Cycles
TS2.49 888.00 Cycles
TS2.49 894.00 Cycles
TS2.49 894.00 Cycles
TS2.49 894.00 Cycles
TS2.49 894.00 Cycles
TS2.50 888.00 Cycles
TS2.50 888.00 Cycles
TS2.51 899.00 Cycles
TS2.52 882.00 Cycles
TS2.53 900.00 Cycles
TS2.53 900.00 Cycles
TS2.53 900.00 Cycles TS2.51 949.00 Cycles
TS2.52 882.00 Cycles
TS2.53 900.00 Cycles
TS2.54 861.00 Cycles
TS2.54 861.00 Cycles
TS2.55 921.00 Cycles
TS2.56 913.00 Cycles
TS2.57 940.00 Cycles
TS2.59 921.00 Cycles
TS2.69 908.00 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
TS2.69 907.00 Cycles
TS2.69 907.00 Cycles
TS2.70 913.00 Cycles
TS2.71 906.00 Cycles
TS2.72 855.00 Cycles
TS2.73 916.00 Cycles
TS2.73 916.00 Cycles
TS2.74 938.00 Cycles
TS2.75 910.00 Cycles
TS2.77 947.00 Cycles
TS2.77 947.00 Cycles
TS2.77 947.00 Cycles
TS2.77 947.00 Cycles
TS2.79 951.00 Cycles
TS2.79 951.00 Cycles
TS2.79 951.00 Cycles
TS2.80 965.00 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 TS2.85 900.00 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



Description Vector Description

TS2.1All Min TS2.2All Max TS2.3APAState_State_enum==>APA_TempInhibit
TS2.4APAState_State_enum==>APA_AvailCntrl
TS2.5APAState_State_enum==>APA_Active TS2.6APAState_State_enum==>APA_PermanentlyFailed TS2.7APAState_State_enum==>APA_ManufacturingDisable TS2.8EngSpd_Rpm_f32==>Min 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==>Pos
TS2.15HandwheelVelocity_HwRadpS_f32==>Varo
TS2.15HandwheelVelocity_HwRadpS_f32==>Neg
TS2.16HwTorque_HwNm_f32==>Min
TS2.17HwTorque_HwNm_f32==>Pos
TS2.18HwTorque_HwNm_f32==>Pos
TS2.19HwTorque_HwNm_f32==>Pos TS2.19HwTorque_HwNm_f32=>Zero TS2.29HwTorque_HwNm_f32=>Neg TS2.20HwTorque_HwNm_f32=>Neg TS2.22SS12VFault_Cnt_lgc=>Min TS2.22SS12VFault_Cnt_lgc=>Max TS2.23VehicleSpeed_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
TS2.32StrtStop_SSSlewRatePrev_UlspS_M_f32==>Max
TS2.34StrtStop_SSSlewRatePrev_UlspS_M_f32==>Pos
TS2.34StrtStop_SSSlewRatePrev_UlspS_M_f32==>Pos TS2.35k_AlgEnable_Cnt_Igc==>Min TS2.36k_AlgEnable_Cnt_Igc==>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 TS2.44K_Mode1AssistDD_UIs_JS2==>Max
TS2.45K_Mode1AssistDD_UIs_JS2==>Pos / Default
TS2.45K_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 IS2.56K_StopMode1HW1rq1rans1nresn_HwNm_f32==>Max
TS2.57K_StopMode1HW1rq1rans1hresh_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_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 TS2.76k_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 Step 2.1 (Repeat Count = 1) Name	Input Value		
	target_DtrmnElapsedTime_mS_u32_Elapse	dTime	
	target_GetSystemTime_mS_u32_CurrentTir		
	target Rte Inst Ap GMStrtStop		
	0		
	0.100000001		
	0		
	0		
	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_UIs_f32	0.00109999999		
k_Mode2AssistSlew_UlspS_f32	0.100000001		
k_Mode2VehSpdTransThresh_Kph_f32	0		
k_NormalModeAssistSlew_UIspS_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_UIs_f32	0		
target_DtrmnElapsedTime_mS_u32_ElapsedTime	0		
target_GetSystemTime_mS_u32_CurrentTime	0		
target_Rte_Inst_Ap_GMStrtStop.StrtStop_Per1_APAState_State_enum	target_StrtStop_Per1_APAState_State_enur	n	
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_H	wRadpS_f32	
	target_StrtStop_Per1_HwTorque_HwNm_f3	2	
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_StrtStop_Per1_SSSlew_UlspS_f32		
target_Rte_Inst_Ap_GMStrtStop.StrtStop_Per1_SSState_State_enum	target_StrtStop_Per1_SSState_State_enum		
*	target_StrtStop_Per1_VehicleSpeed_Kph_f3	32	
0 - 1	0		
0 = 1 = 0 1 = 1 =	0		
0 = 1 = 2	-100		
0 = 1 = = = =	-10		
. 3.2	0		
target_StrtStop_Per1_VehicleSpeed_Kph_f32.value	0		
Name	Actual Value	Expected Value	Resul
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	•

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





Test Step 2.2 (Repeat Count = 1) Name	Input Value		
DtrmnElapsedTime_mS_u32(ElapsedTime)	target_DtrmnElapsedTime_mS_u32_Elapse	dTime	
GetSystemTime_mS_u32(CurrentTime)	target_GetSystemTime_mS_u32_CurrentTin		
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_UIs_f32	1		
target_DtrmnElapsedTime_mS_u32_ElapsedTime	4294967295		
target_GetSystemTime_mS_u32_CurrentTime	4294967295		
target_Rte_Inst_Ap_GMStrtStop.StrtStop_Per1_APAState_State_enum	target_StrtStop_Per1_APAState_State_enu	II .	
target_Rte_Inst_Ap_GMStrtStop.StrtStop_Per1_EngSpd_Rpm_f32	target_StrtStop_Per1_EngSpd_Rpm_f32	huDoda C 122	
target_Rte_Inst_Ap_GMStrtStop.StrtStop_Per1_HandwheelVelocity_HwRadpS_f32		· -	
target_Rte_Inst_Ap_GMStrtStop.StrtStop_Per1_HwTorque_HwNm_f32	target_StrtStop_Per1_HwTorque_HwNm_f3	2	
target_Rte_Inst_Ap_GMStrtStop.StrtStop_Per1_SS12VFault_Cnt_Igc	target_StrtStop_Per1_SS12VFault_Cnt_lgc target_StrtStop_Per1_SSScale_Uls_f32		
target_Rte_Inst_Ap_GMStrtStop.StrtStop_Per1_SSScale_Uls_f32			
target_Rte_Inst_Ap_GMStrtStop.StrtStop_Per1_SSSlew_UlspS_f32 target_Rte_Inst_Ap_GMStrtStop.StrtStop_Per1_SSState_State_enum	target_StrtStop_Per1_SSSlew_UlspS_f32 target_StrtStop_Per1_SSState_State_enum		
target_Rte_Inst_Ap_GMStrtStop.StrtStop_Per1_VehicleSpeed_Kph_f32	target_StrtStop_Per1_VehicleSpeed_Kph_f3		
target_StrtStop_Per1_APAState_State_enum.value	4	32	
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 Igc.value	1		
target StrtStop Per1 VehicleSpeed Kph f32.value	200		
Name	Actual Value	Expected Value	Resul
StrtStop SSScale Uls M f32	1	1	.vesul
StriStop_SSScale_Dis_in_i32 StrtStop_SSSlewRatePrev_UlspS_M_f32	1	1 ± 0.1	
StrtStop_SSSiewkatePrev_uispS_M_132 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_StopModeTimer1_mS_M_u32 StrtStop_StopModeTimer2_mS_M_u32	4294967295	4294967295	
target_StrlStop_Per1_SSScale_Uls_f32.value	1	1 ± 0.0001	
	1	1 ± 0.0001	
target_StrtStop_Per1_SSSlew_UlspS_f32.value	1	1 ± 0.1	١,

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





Test Step 2.3 (Repeat Count = 1)			•	
	Input Value			
DtrmnElapsedTime_mS_u32(ElapsedTime)	target_DtrmnElapsedTime_mS_u32_Elapse	edTime		
GetSystemTime_mS_u32(CurrentTime)	target_GetSystemTime_mS_u32_CurrentTi	me		
	target_Rte_Inst_Ap_GMStrtStop			
	0.272700012			
StrtStop_SSSlewRatePrev_UlspS_M_f32	170.376907	170.376907		
StrtStop_StOpModePrevPrev_Cnt_M_enum	5			
12 1 2 2 2	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_APAState_State_enum	target_StrtStop_Per1_APAState_State_enu	m		
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_h	HwRadpS f32		
	target StrtStop Per1 HwTorque HwNm f3	. –		
target_Rte_Inst_Ap_GMStrtStop.StrtStop_Per1_SS12VFault_Cnt_Igc	target_StrtStop_Per1_SS12VFault_Cnt_lgc			
	target_StrtStop_Per1_SSScale_Uls_f32			
	target_StrtStop_Per1_SSSlew_UlspS_f32			
	target_StrtStop_Per1_SSState_State_enum			
	target_StrtStop_Per1_VehicleSpeed_Kph_f:			
	307.351013			
	59.4327011			
	-1.49779999			
·	0			
	37.0290985			
	Actual Value	Expected Value	Resul	
	1	1	Resul	
	156.835999			
	4	156.835999 ± 0.1		
	5	5		
	5	5	•	
	3544497920	3544497920		
StrtStop_StopModeTimer2_mS_M_u32	3120887040	3120887040	•	
target_StrtStop_Per1_SSScale_Uls_f32.value target_StrtStop_Per1_SSSiew_UlspS_f32.value	156.835999	1 ± 0.0001 156.835999 ± 0.1		

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





Test Step 2.4 (Repeat Count = 1) Name	Input Value		
	target_DtrmnElapsedTime_mS_u32_Elapse	dTime	
	target_GetSystemTime_mS_u32_CurrentTir		
	target_Rte_Inst_Ap_GMStrtStop		
	1		
	76.4660034		
	0		
	4		
	2		
	1334609408		
	128181248		
	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_UIs_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_APAState_State_enum	target_StrtStop_Per1_APAState_State_enur	m	
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_H	lwRadpS_f32	
target_Rte_Inst_Ap_GMStrtStop.StrtStop_Per1_HwTorque_HwNm_f32	target_StrtStop_Per1_HwTorque_HwNm_f3	2	
target_Rte_Inst_Ap_GMStrtStop.StrtStop_Per1_SS12VFault_Cnt_Igc	target_StrtStop_Per1_SS12VFault_Cnt_lgc		
	target_StrtStop_Per1_SSScale_Uls_f32		
· · · · · · · · · · · · · · · · · · ·	target_StrtStop_Per1_SSSlew_UlspS_f32		
	target_StrtStop_Per1_SSState_State_enum		
*	target_StrtStop_Per1_VehicleSpeed_Kph_f3	32	
. 3.2	1		
•	3446.8374		
target_StrtStop_Per1_HandwheelVelocity_HwRadpS_f32.value	-23.6994991		
0 = 1 = = = =	7.04300022		
. 3.2	0		
target_StrtStop_Per1_VehicleSpeed_Kph_f32.value	47.6209984		
Name	Actual Value	Expected Value	Resul
StrtStop_SSScale_Uls_M_f32	1	1	•
StrtStop_SSSlewRatePrev_UlspS_M_f32	282.30249	282.30249 ± 0.1	•
	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_entetop_ren_eocodate_ene_no_totale			
0 = 1= = = =	282.30249	282.30249 ± 0.1	

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





Test Step 2.5 (Repeat Count = 1) Name	Input Value		
DtrmnElapsedTime_mS_u32(ElapsedTime)	target_DtrmnElapsedTime_mS_u32_Elapse	edTime	
GetSystemTime_mS_u32(CurrentTime)	target_GetSystemTime_mS_u32_CurrentTin	me	
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_UIs_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_StopMode1HwYrqTransThresh_HwNm_f32	9.09179974 224.356796		
k_StopMode1HwVelTransThresh_HwDegpS_f32 k StopMode1Timer Sec u16	3		
	135.007599		
k_StopMode1VehSpdTransThres_Kph_f32 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_UIs_f32	1		
target_DtrmnElapsedTime_mS_u32_ElapsedTime	12650		
target_GetSystemTime_mS_u32_CurrentTime	2800		
target_Rte_Inst_Ap_GMStrtStop.StrtStop_Per1_APAState_State_enum	target_StrtStop_Per1_APAState_State_enu	m	
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		lwRadnS f32	
target Rte Inst Ap GMStrtStop.StrtStop Per1 HwTorque HwNm f32	target_StrtStop_Per1_HwTorque_HwNm_f3	· -	
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_f		
target_StrtStop_Per1_APAState_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	Resul
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	٠,
target_StrtStop_Per1_SSScale_Uls_f32.value	1	1 ± 0.0001	
	453.798889	453.798889 ± 0.1	١,
target_StrtStop_Per1_SSSlew_UlspS_f32.value	433.790009	433.790009 ± 0.1	, , ,

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





Test Step 2.6 (Repeat Count = 1) Name	Input Value		
	target_DtrmnElapsedTime_mS_u32_Elapse	dTime	
	target_GetSystemTime_mS_u32_CurrentTir		
	target Rte Inst Ap GMStrtStop		
	1		
	76.4660034		
	0		
	4		
	2		
	1334609408		
	128181248		
	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_UIs_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_UIs_f32	1		
target_DtrmnElapsedTime_mS_u32_ElapsedTime	17800		
target_GetSystemTime_mS_u32_CurrentTime	4150		
target_Rte_Inst_Ap_GMStrtStop_StrtStop_Per1_APAState_State_enum	target_StrtStop_Per1_APAState_State_enui	m	
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_F	lwRadpS_f32	
target_Rte_Inst_Ap_GMStrtStop.StrtStop_Per1_HwTorque_HwNm_f32	target_StrtStop_Per1_HwTorque_HwNm_f3	2	
target_Rte_Inst_Ap_GMStrtStop.StrtStop_Per1_SS12VFault_Cnt_lgc	target_StrtStop_Per1_SS12VFault_Cnt_lgc		
	target_StrtStop_Per1_SSScale_Uls_f32		
	target_StrtStop_Per1_SSSlew_UlspS_f32		
	target_StrtStop_Per1_SSState_State_enum		
*	target_StrtStop_Per1_VehicleSpeed_Kph_f3	32	
0 - 1	3		
•	3446.8374		
target_StrtStop_Per1_HandwheelVelocity_HwRadpS_f32.value	-23.6994991		
0 = 1 = = = =	7.04300022		
. 3.2	0		
target_StrtStop_Per1_VehicleSpeed_Kph_f32.value	47.6209984		
Name	Actual Value	Expected Value	Resul
StrtStop_SSScale_Uls_M_f32	1	1	•
StrtStop_SSSlewRatePrev_UlspS_M_f32	282.30249	282.30249 ± 0.1	•
	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_reri_SSScale_Ois_isz.value			
0 = 1 = = = =	282.30249	282.30249 ± 0.1	

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





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_UIs_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 k StopMode2VehSpdTransThresh Kph f32			
	87.1659012		
k_StopModeAssistDD_UIs_f32 target_DtrmnElapsedTime_mS_u32_ElapsedTime	22950		
target_GetSystemTime_mS_u32_CurrentTime	5500		
target_Nte_Inst_Ap_GMStrtStop.StrtStop_Per1_APAState_State_enum	target_StrtStop_Per1_APAState_State_enu	m	
target_Rte_Inst_Ap_GMStrtStop.StrtStop_Per1_EngSpd_Rpm_f32			
target Rte Inst Ap GMStrtStop.StrtStop Per1 HandwheelVelocity HwRadpS f32	target_StrtStop_Per1_EngSpd_Rpm_f32		
target Rte Inst Ap GMStrtStop.StrtStop Per1 HwTorque HwNm f32	1 - 1 - 1		
target_Rte_Inst_Ap_GMStrtStop_StrtStop_Per1_SS12VFault_Cnt_lgc	target_StrtStop_Per1_HwTorque_HwNm_f32		
target Rte Inst Ap GMStrtStop.StrtStop Per1 SSScale Uls f32	target_StrtStop_Per1_SS12VFault_Cnt_lgc target_StrtStop_Per1_SSScale_Uls_f32		
target Rte Inst Ap GMStrtStop.StrtStop Per1 SSSIew 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_f3		
target_StrtStop_Per1_APAState_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	Resul
StrtStop_SSScale_Uls_M_f32	1	1	
StrtStop SSSIewRatePrev 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	
gocc.p_i oi i_00000io_0io_ioz.vaido		0.0001	
target_StrtStop_Per1_SSSlew_UlspS_f32.value	217.223007	217.223007 ± 0.1	

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





Test Step 2.8 (Repeat Count = 1)	Innut Value		
Name	Input Value	ad Time a	
DtrmnElapsedTime_mS_u32(ElapsedTime) CotSustanTime_mS_u22(CurrentTime)	target_DtrmnElapsedTime_mS_u32_Elapse		
GetSystemTime_mS_u32(CurrentTime)	target_GetSystemTime_mS_u32_CurrentTime		
Rte_Inst_Ap_GMStrtStop	target_Rte_Inst_Ap_GMStrtStop		
StrtStop_SSScale_UIs_M_f32	1		
	255.943207		
	3		
	0		
	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_UIs_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_Per1_APAState_State_enum	target_StrtStop_Per1_APAState_State_enu	ım.	
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_l	HwRadpS_f32	
target_Rte_Inst_Ap_GMStrtStop_StrtStop_Per1_HwTorque_HwNm_f32	target_StrtStop_Per1_HwTorque_HwNm_f3	32	
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	n	
target_Rte_Inst_Ap_GMStrtStop.StrtStop_Per1_VehicleSpeed_Kph_f32	target_StrtStop_Per1_VehicleSpeed_Kph_t		
	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		
	0		
target StrtStop Per1 VehicleSpeed Kph f32.value	51.7583008		
		Expected Value	Resul
Name	Actual Value	· ·	Resul
StrtStop_SSScale_Uls_M_f32	1	1	
StrtStop_SSSlewRatePrev_UlspS_M_f32	448.061401	448.061401 ± 0.1	
	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 target_StrtStop_Per1_SSSlew_UlspS_f32.value	448.061401	1 ± 0.0001 448.061401 ± 0.1	

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	✓





Name	Input Value			
DtrmnElapsedTime_mS_u32(ElapsedTime)	target_DtrmnElapsedTime_mS_u32_Elapse	dTime		
GetSystemTime_mS_u32(CurrentTime)	target_GetSystemTime_mS_u32_CurrentTir	ne		
Rte_Inst_Ap_GMStrtStop	target_Rte_Inst_Ap_GMStrtStop			
StrtStop_SSScale_Uls_M_f32	0.420300007	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_UIs_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 166.330307			
k_StopMode2HwVelTransThresh_HwDegpS_f32	5			
k_StopMode2Timer_Sec_u16 k_StopMode2VehSpdTransThresh_Kph_f32	188.285294			
- · · · · · · · · - · - · - · · · · · ·	0.469399989			
k_StopModeAssistDD_UIs_f32 target_DtrmnElapsedTime_mS_u32_ElapsedTime	33250			
target_GetSystemTime_mS_u32_CurrentTime	8200			
target_Nte_Inst_Ap_GMStrtStop.StrtStop_Per1_APAState_State_enum	target_StrtStop_Per1_APAState_State_enui	n		
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		wRadnS f32		
target Rte Inst Ap GMStrtStop.StrtStop Per1 HwTorque HwNm f32	target_StrtStop_Per1_HwTorque_HwNm_f3	. –		
target_Rte_Inst_Ap_GMStrtStop.StrtStop_Per1_SS12VFault_Cnt_Igc	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 f3	32		
target_StrtStop_Per1_APAState_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	Resul	
StrtStop_SSScale_Uls_M_f32	0.420300007	0.420300007	Acou	
StrtStop_SSSlewRatePrev UlspS M f32	0.598399997	0.598399997 ± 0.1		
StrtStop_StOpModePrevPrev_Cnt_M_enum	2	0.596599997 ± 0.1		
StrStop_StOpModePrev_Cnt_M_enum	0	0		
StrStop_StOpMode_Cnt_M_enum	0	0		
StrtStop_StopModeTimer1 mS M u32	3264295680	3264295680		
StrStop_StopModeTimer1_mS_M_u32 StrlStop_StopModeTimer2_mS_M_u32	1346521344	1346521344		
target_StrtStop_Per1_SSScale_Uls_f32.value	0.420300007	0.420300007 ± 0.0001		
target_StrtStop_Per1_SSState_Uis_i32.value	0.598399997	0.598399997 ± 0.1		

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





Test Step 2.10 (Repeat Count = 1)	Innut Value		
Name	Input Value	adTim a	
DtrmnElapsedTime_mS_u32(ElapsedTime)	target_DtrmnElapsedTime_mS_u32_Elapse		
GetSystemTime_mS_u32(CurrentTime)	target_GetSystemTime_mS_u32_CurrentTi	me	
Rte_Inst_Ap_GMStrtStop StrtStop_SSScale_Uls_M_f32	target_Rte_Inst_Ap_GMStrtStop 0.452399999		
·	308.004211		
StrtStop_SSSlewRatePrev_UlspS_M_f32 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 Igc	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_UIs_f32	0.502099991		
target_DtrmnElapsedTime_mS_u32_ElapsedTime	38400		
target_GetSystemTime_mS_u32_CurrentTime	9550		
target_Rte_Inst_Ap_GMStrtStop.StrtStop_Per1_APAState_State_enum	target_StrtStop_Per1_APAState_State_enu	m	
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_I	HwRadpS_f32	
target_Rte_Inst_Ap_GMStrtStop.StrtStop_Per1_HwTorque_HwNm_f32	target_StrtStop_Per1_HwTorque_HwNm_f3	32	
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	1	
target_Rte_Inst_Ap_GMStrtStop_StrtStop_Per1_VehicleSpeed_Kph_f32	target_StrtStop_Per1_VehicleSpeed_Kph_f	32	
target_StrtStop_Per1_APAState_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	Resul
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	•

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





Test Step 2.11 (Repeat Count = 1)	Immed Value			
Name	Input Value	·		
DtrmnElapsedTime_mS_u32(ElapsedTime)	target_DtrmnElapsedTime_mS_u32_Elapse			
GetSystemTime_mS_u32(CurrentTime)	target_GetSystemTime_mS_u32_CurrentTi	me		
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_UIs_f32	1			
target_DtrmnElapsedTime_mS_u32_ElapsedTime	43550			
target_GetSystemTime_mS_u32_CurrentTime	10900			
target_Rte_Inst_Ap_GMStrtStop_StrtStop_Per1_APAState_State_enum	target_StrtStop_Per1_APAState_State_enu	ım		
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_h	HwRadpS_f32		
target_Rte_Inst_Ap_GMStrtStop.StrtStop_Per1_HwTorque_HwNm_f32	target_StrtStop_Per1_HwTorque_HwNm_f3	32		
target_Rte_Inst_Ap_GMStrtStop_StrtStop_Per1_SS12VFault_Cnt_Igc	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_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	1		
target_Rte_Inst_Ap_GMStrtStop.StrtStop_Per1_VehicleSpeed_Kph_f32	target_StrtStop_Per1_VehicleSpeed_Kph_f	32		
target StrtStop Per1 APAState 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			
		l=		
Name	Actual Value	Expected Value	Resu	
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	•	

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	-	





Input Value		
•	adTimo	
	iiile	
1		
1		
1		
349.786804		
136.872498		
77.5610962		
13305.2129		
178.031601		
280.934204		
2.51340008		
30.0678997		
0		
134.326599		
483.845215		
2.9447999		
18.8064003		
4		
137.608093		
1		
48700		
12250		
target_StrtStop_Per1_APAState_State_en	um	
target_StrtStop_Per1_EngSpd_Rpm_f32		
target_StrtStop_Per1_HandwheelVelocity_	HwRadpS_f32	
target_StrtStop_Per1_HwTorque_HwNm_f	32	
target_StrtStop_Per1_SS12VFault_Cnt_lgr		
target_StrtStop_Per1_SSScale_Uls_f32		
target_StrtStop_Per1_SSSlew_UlspS_f32		
target_StrtStop_Per1_SSState_State_enu	n	
	<u>f</u> 32	
0		
155.349503		
Actual Value	Expected Value	Resul
1	1	•
489.309387	489.309387 ± 0.1	•
2	2	•
4	4	
	1.	
4	4	
	4 483324928	•
4		
4 483324928	483324928	•
	target_GetSystemTime_mS_u32_CurrentT target_Rte_Inst_Ap_GMStrtStop 1 482.200897 3 2 3 483324928 3739853312 1 489.309387 1 272.516998 14149.6631 148.4785 1 349.786804 136.872498 77.5610962 13305.2129 178.031601 280.934204 2.51340008 30.0678997 0 134.326599 483.845215 2.9447999 18.8064003 4 137.608093 1 48700 12250 target_StrtStop_Per1_APAState_State_ent target_StrtStop_Per1_EngSpd_Rpm_f32 target_StrtStop_Per1_HwTorque_HwNm_f target_StrtStop_Per1_BSStew_UlspS_f32 target_StrtStop_Per1_SSState_State_enurarget_StrtStop_Per1_SSState_State_Enurarget_StrtStop_Per1_SSState_State_Enurarget_StrtStop_Per1_SSState_State_Enurarget_StrtStop_Per1_SSState_State_Enurarget_StrtStop_Per1_SSState_State_Enurarget_StrtStop_Per1_SSState_State_Enurarget_StrtStop_Per1_SSState_State_Enurarget_StrtStop_Per1_SSState_State_Enurarget_StrtStop_Per1_SSState_State_Enurarget_StrtStop_Per1_SSState_State_Enurarget_StrtStop_Per1_SSState_State_Enurarget_StrtStop_Per1_SSState_State_Enurarget_StrtStop_Per1_SSState_State_Enurarget_StrtStop_Per1_SSState_State_Enurarget_StrtStop_Per1_SSState_State_Enurarget_StrtStop_Per1_S	target_DtrmnElapsedTime_mS_u32_CurrentTime target_Re_Inst_Ap_GMStrtStop 1 482.200897 3 2 3 483324928 3739853312 1 1272.516998 14149.6631 148.4785 1 349.786804 136.872498 77.5610962 13305.2129 178.031601 280.934204 2.51340008 30.0678997 0 134.326599 483.845215 2.9447999 18.8064003 4 137.608093 1 148700 12250 target_StrtStop_Per1_APAState_State_enum target_StrtStop_Per1_HandwheelVelocity_HwRadpS_f32 target_StrtStop_Per1_HandwheelVelocity_HwRadpS_f32 target_StrtStop_Per1_SSScale_Uls_f32 target_StrtStop_Per1_SSScale_Uls_f32 target_StrtStop_Per1_SSState_State_enum target_StrtStop_Per1_SSScale_Uls_f32 target_StrtStop_Per1_SSScale_Uls_f32 target_StrtStop_Per1_SSScale_Uls_f32 target_StrtStop_Per1_SSScale_Uls_f32 target_StrtStop_Per1_VehicleSpeed_Kph_f32 0 8795.23633 100 4.92159986 1 155.349503 Actual Value Expected Value 1489.309387 ± 0.1

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





Test Step 2.13 (Repeat Count = 1) Name	Input Value			
DtrmnElapsedTime mS u32(ElapsedTime)	target_DtrmnElapsedTime_mS_u32_Elapse	dTime		
GetSystemTime_mS_u32(CurrentTime)	target_GetSystemTime_mS_u32_CurrentTime_mS_u32_Curr			
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_StopMode1VehSpdTransThres_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_UIs_f32	0.932799995			
target_DtrmnElapsedTime_mS_u32_ElapsedTime	53850			
target_GetSystemTime_mS_u32_CurrentTime	13600			
target_Rte_Inst_Ap_GMStrtStop.StrtStop_Per1_APAState_State_enum	target_StrtStop_Per1_APAState_State_enu	III		
target_Rte_Inst_Ap_GMStrtStop.StrtStop_Per1_EngSpd_Rpm_f32	target_StrtStop_Per1_EngSpd_Rpm_f32	huDodaC f22		
target_Rte_Inst_Ap_GMStrtStop.StrtStop_Per1_HandwheelVelocity_HwRadpS_f32		. –		
target_Rte_Inst_Ap_GMStrtStop.StrtStop_Per1_HwTorque_HwNm_f32	target_StrtStop_Per1_HwTorque_HwNm_f3	2		
target_Rte_Inst_Ap_GMStrtStop.StrtStop_Per1_SS12VFault_Cnt_Igc target_Rte_Inst_Ap_GMStrtStop.StrtStop_Per1_SSScale_Uls_f32	target_StrtStop_Per1_SS12VFault_Cnt_lgc 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 f			
target_Nte_inst_Ap_dwistrotop.strtstop_rerr_verildespeed_Npr_isz	0	JZ		
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 Igc.value	1			
target_StrtStop_Per1_VehicleSpeed_Kph_f32.value	152.528			
Name	Actual Value	Expected Value	Resul	
StrtStop_SSScale_Uls_M_f32	1	1	1.cou	
StrtStop_SSSlewRatePrev_UlspS_M_f32	116.1185	116.1185 ± 0.1		
StrtStop_SSSiewRatePrev_uispS_M_132 StrtStop_StOpModePrevPrev_Cnt_M_enum	0	116.1185 ± 0.1		
StrtStop_StOpModePrev_Cnt_M_enum	5	5		
StrtStop_StOpMode_Cnt_M_enum	5	5		
StrtStop_StopModeTimer1 mS M u32	2315380480	2315380480		
StrtStop_StopModeTimer1_mS_M_u32 StrtStop_StopModeTimer2_mS_M_u32	1340726528	1340726528		
target_StrtStop_Per1_SSScale_Uls_f32.value	1	1±0.0001		
	1	1 ± 0.0001		
target_StrtStop_Per1_SSSlew_UlspS_f32.value	116.1185	116.1185 ± 0.1	١,	

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





Test Step 2.14 (Repeat Count = 1) Name	Input Value		
	target_DtrmnElapsedTime_mS_u32_Elapse	dTime	
	target_GetSystemTime_mS_u32_CurrentTir		
	target_Rte_Inst_Ap_GMStrtStop		
	0.200399995		
	152.152298		
	4		
	0		
	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		
	278.100189		
	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_UIs_f32	0.98150003		
target_DtrmnElapsedTime_mS_u32_ElapsedTime	59000		
target_GetSystemTime_mS_u32_CurrentTime	14950		
target_Rte_Inst_Ap_GMStrtStop.StrtStop_Per1_APAState_State_enum	target_StrtStop_Per1_APAState_State_enur	n	
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	$target_StrtStop_Per1_HandwheelVelocity_Handwhe$	wRadpS_f32	
target_Rte_Inst_Ap_GMStrtStop.StrtStop_Per1_HwTorque_HwNm_f32	target_StrtStop_Per1_HwTorque_HwNm_f3	2	
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_f3	32	
target_StrtStop_Per1_APAState_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	Resul
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	•
	1	1 ± 0.0001	
° - '	382.198395	382.198395 ± 0.1	•

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





Test Step 2.15 (Repeat Count = 1) Name	Input Value		
	•	adTimo	
	target_DtrmnElapsedTime_mS_u32_Elapsetarget_GetSystemTime_mS_u32_CurrentTi		
	target_Rte_Inst_Ap_GMStrtStop	me	
	1		
	109.586197		
	2		
	1		
	4		
12 1 2 2 2	3682048256		
	3431939840		
	1		
	234.7556		
	0.416000009		
	336.665192		
	10047.8711		
	164.589706		
	1		
	416.260895		
	106.4487		
	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_StopMode1VehSpdTransThres_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_APAState_State_enum	target_StrtStop_Per1_APAState_State_enu	m	
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	$target_StrtStop_Per1_HandwheelVelocity_I$	HwRadpS_f32	
target_Rte_Inst_Ap_GMStrtStop.StrtStop_Per1_HwTorque_HwNm_f32	target_StrtStop_Per1_HwTorque_HwNm_f3	32	
target_Rte_Inst_Ap_GMStrtStop_StrtStop_Per1_SS12VFault_Cnt_Igc	$target_StrtStop_Per1_SS12VFault_Cnt_lgc$		
target_Rte_Inst_Ap_GMStrtStop.StrtStop_Per1_SSScale_Uls_f32	target_StrtStop_Per1_SSScale_Uls_f32		
	target_StrtStop_Per1_SSSlew_UlspS_f32		
target_Rte_Inst_Ap_GMStrtStop.StrtStop_Per1_SSState_State_enum	target_StrtStop_Per1_SSState_State_enum	1	
	target_StrtStop_Per1_VehicleSpeed_Kph_f	32	
- 3-2	0		
•	13556.9355		
3	-60.3300018		
* - '	-6.81309986		
3,5,5,4,4,4,5	0		
target_StrtStop_Per1_VehicleSpeed_Kph_f32.value	165.741501		
Name	Actual Value	Expected Value	Resul
StrtStop_SSScale_Uls_M_f32	1	1	•
StrtStop_SSSlewRatePrev_UlspS_M_f32	234.7556	234.7556 ± 0.1	•
	1	1	•
StrtStop_StOpModePrev_Cnt_M_enum	4	4	•
StrtStop_StOpMode_Cnt_M_enum	4	4	•
	3682048256	3682048256	
StrtStop_StopModeTimer1_mS_M_u32	3002040230		
	3431939840	3431939840	
StrtStop_StopModeTimer2_mS_M_u32		3431939840 1 ± 0.0001	

Test Step Call Trace				V
Actual Function	Count	Expected Function	Count	Result
PreviousStCalc	1	PreviousStCalc	1	~
SlewRateCalc	1	SlewRateCalc	1	•





Test Step 2.16 (Repeat Count = 1) Name	Input Value		
DtrmnElapsedTime mS u32(ElapsedTime)	target_DtrmnElapsedTime_mS_u32_Elapse	edTime	
GetSystemTime_mS_u32(CurrentTime)	target_GetSystemTime_mS_u32_CurrentTime_mS_u32_Curr		
Rte_Inst_Ap_GMStrtStop	target Rte Inst Ap GMStrtStop		
StrtStop_SSScale_UIs_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_UIspS_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_StopMode1VehSpdTransThres_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_UIs_f32	1		
target_DtrmnElapsedTime_mS_u32_ElapsedTime	69300		
target_GetSystemTime_mS_u32_CurrentTime	17650		
target_Rte_Inst_Ap_GMStrtStop_StrtStop_Per1_APAState_State_enum	target_StrtStop_Per1_APAState_State_enu	m	
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_F	lwRadpS_f32	
target_Rte_Inst_Ap_GMStrtStop_StrtStop_Per1_HwTorque_HwNm_f32	target_StrtStop_Per1_HwTorque_HwNm_f3	2	
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_f	32	
target_StrtStop_Per1_APAState_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	Resul
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	•
	1	1 ± 0.0001	
target_StrtStop_Per1_SSScale_Uls_f32.value	ļ.	1 ± 0.0001	
target_StrtStop_Per1_SSScale_Uls_f32.value target_StrtStop_Per1_SSSlew_UlspS_f32.value	446.536591	446.536591 ± 0.1	

Test Step Call Trace				V
Actual Function	Count	Expected Function	Count	Result
PreviousStCalc	1	PreviousStCalc	1	~
SlewRateCalc	1	SlewRateCalc	1	•





Test Step 2.17 (Repeat Count = 1)	Input Value		
Name	Input Value	adTime.	
DtrmnElapsedTime_mS_u32(ElapsedTime) CotSustamTime_mS_u22(CurrentTime)	target_DtrmnElapsedTime_mS_u32_Elaps target_GetSystemTime_mS_u32_CurrentT		
GetSystemTime_mS_u32(CurrentTime) Rte_Inst_Ap_GMStrtStop		iiile	
StrtStop_SSScale_Uls_M_f32	target_Rte_Inst_Ap_GMStrtStop 0.694700003		
	447.815613		
StrtStop_SSSIewRatePrev_UlspS_M_f32 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 Igc	1		
k FltRspRampDnRt UlspS f32	346.304291		
k Mode1AssistDD UIs f32	0.939499974		
k_Mode1AssistSlew_UlspS_f32	1.82420003		
k Mode1EngTransThresh Rpm f32	8928.72754		
k Mode1VehSpdTransThresh Kph f32	54.6978989		
k_Mode2AssistDD_UIs_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 StopMode1VehSpdTransThres 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_APAState_State_enum	target_StrtStop_Per1_APAState_State_end	um	
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_f	32	
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_enur	n	
target_Rte_Inst_Ap_GMStrtStop.StrtStop_Per1_VehicleSpeed_Kph_f32	target_StrtStop_Per1_VehicleSpeed_Kph_	f32	
target_StrtStop_Per1_APAState_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	Resul
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_UIs_f32.value	1	1 ± 0.0001	
	447.815613	447.815613 ± 0.1	
target_StrtStop_Per1_SSSlew_UlspS_f32.value			

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





Test Step 2.18 (Repeat Count = 1) Name	Input Value		
	target_DtrmnElapsedTime_mS_u32_Elapse	dTime	
	target_GetSystemTime_mS_u32_CurrentTir		
	target_Rte_Inst_Ap_GMStrtStop		
	0.0795999989		
	57.0116997		
	2		
	1		
	1		
	973746688		
	2165551104		
	0		
k_FltRspRampDnRt_UlspS_f32	12.1632004		
	0.249899998		
k_Mode1AssistSlew_UlspS_f32	464.909302		
k_Mode1EngTransThresh_Rpm_f32	10430.21		
k_Mode1VehSpdTransThresh_Kph_f32	90.9432983		
k_Mode2AssistDD_UIs_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_UIs_f32	0.568400025		
target_DtrmnElapsedTime_mS_u32_ElapsedTime	79600		
target_GetSystemTime_mS_u32_CurrentTime	20350		
target_Rte_Inst_Ap_GMStrtStop_StrtStop_Per1_APAState_State_enum	target_StrtStop_Per1_APAState_State_enui	n	
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	$target_StrtStop_Per1_HandwheelVelocity_F$	wRadpS_f32	
target_Rte_Inst_Ap_GMStrtStop.StrtStop_Per1_HwTorque_HwNm_f32	target_StrtStop_Per1_HwTorque_HwNm_f3	2	
target_Rte_Inst_Ap_GMStrtStop.StrtStop_Per1_SS12VFault_Cnt_Igc	target_StrtStop_Per1_SS12VFault_Cnt_lgc		
	target_StrtStop_Per1_SSScale_Uls_f32		
	target_StrtStop_Per1_SSSlew_UlspS_f32		
	target_StrtStop_Per1_SSState_State_enum		
	target_StrtStop_Per1_VehicleSpeed_Kph_f3	32	
3,77,1,1,1,1	4		
•	11123.8252		
0 _ 1 _ 2 _ 1 _	51.2145004		
	4.25		
. 3.2	0		
target_StrtStop_Per1_VehicleSpeed_Kph_f32.value	44.7289009		
Name	Actual Value	Expected Value	Resul
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	•
	12.1632004	12.1632004 ± 0.1	•

Test Step Call Trace				V
Actual Function	Count	Expected Function	Count	Result
PreviousStCalc	1	PreviousStCalc	1	~
SlewRateCalc	1	SlewRateCalc	1	•





Test Step 2.19 (Repeat Count = 1) Name	Input Value		
	target_DtrmnElapsedTime_mS_u32_Elapse	dTime	
	target_GetSystemTime_mS_u32_CurrentTir		
	target_Rte_Inst_Ap_GMStrtStop		
	1		
	452.851105		
	0		
	2		
	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_UIs_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_StopMode1VehSpdTransThres_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_UIs_f32	0.645299971		
target_DtrmnElapsedTime_mS_u32_ElapsedTime	84750		
target_GetSystemTime_mS_u32_CurrentTime	21700		
target_Rte_Inst_Ap_GMStrtStop.StrtStop_Per1_APAState_State_enum	target_StrtStop_Per1_APAState_State_enur	n	
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_H	wRadpS_f32	
	target_StrtStop_Per1_HwTorque_HwNm_f3	2	
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_StrtStop_Per1_VehicleSpeed_Kph_f3	32	
3-2	0		
•	7442.08203		
	-19.8146		
0 = 1 = = = =	0		
target_StrtStop_Per1_SS12VFault_Cnt_lgc.value	1		
target_StrtStop_Per1_VehicleSpeed_Kph_f32.value	71.569397		
Name	Actual Value	Expected Value	Resul
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	•

Test Step Call Trace				V
Actual Function	Count	Expected Function	Count	Result
PreviousStCalc	1	PreviousStCalc	1	~
SlewRateCalc	1	SlewRateCalc	1	•





Test Step 2.20 (Repeat Count = 1) Name	Input Value		
	target_DtrmnElapsedTime_mS_u32_Elapse	dTime	
	target_GetSystemTime_mS_u32_CurrentTim		
	target_Rte_Inst_Ap_GMStrtStop		
	0.987100005		
	311.493805		
	0		
	2		
	1		
	3392814080		
	3837766144		
	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_UIs_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_APAState_State_enum	target_StrtStop_Per1_APAState_State_enur	n	
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_H	wRadpS_f32	
target_Rte_Inst_Ap_GMStrtStop.StrtStop_Per1_HwTorque_HwNm_f32	target_StrtStop_Per1_HwTorque_HwNm_f3	2	
target_Rte_Inst_Ap_GMStrtStop.StrtStop_Per1_SS12VFault_Cnt_Igc	target_StrtStop_Per1_SS12VFault_Cnt_lgc		
	target_StrtStop_Per1_SSScale_Uls_f32		
target_Rte_Inst_Ap_GMStrtStop.StrtStop_Per1_SSSlew_UlspS_f32	target_StrtStop_Per1_SSSlew_UlspS_f32		
	target_StrtStop_Per1_SSState_State_enum		
	target_StrtStop_Per1_VehicleSpeed_Kph_f3	32	
3.5-1.1.4	0		
0 = 1 = 0 1 = 1 =	5849.73438		
	81.5229034		
target_StrtStop_Per1_HwTorque_HwNm_f32.value	-9.14000034		
. 3.2	0		
target_StrtStop_Per1_VehicleSpeed_Kph_f32.value	111.213699		
Name	Actual Value	Expected Value	Resul
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	•
and a Common bin and a common			
0 = 1 = = = =	99.6003036	99.6003036 ± 0.1	

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 2.21 (Repeat Count = 1) Name	Input Value		
	target_DtrmnElapsedTime_mS_u32_Elapse	dTime	
	target_GetSystemTime_mS_u32_CurrentTir		
	target Rte Inst Ap GMStrtStop		
	0.814800024		
	445.952301		
	2		
	0		
	3		
	685772544		
	8897792		
	1		
	153.307297		
	1		
	27.6222		
	11278.5742		
	23.5977993		
	1		
	1.03480005		
	70.4207001		
	163.784805		
	1195.66125		
	48.7728996		
	291.852203		
	8.12730026		
k_StopMode1HwVelTransThresh_HwDegpS_f32	204.132996		
k_StopMode1Timer_Sec_u16	1		
k_StopMode1VehSpdTransThres_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_UIs_f32	1		
target_DtrmnElapsedTime_mS_u32_ElapsedTime	95050		
target_GetSystemTime_mS_u32_CurrentTime	24400		
target_Rte_Inst_Ap_GMStrtStop.StrtStop_Per1_APAState_State_enum	target_StrtStop_Per1_APAState_State_enur	m	
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_H	wRadpS_f32	
target_Rte_Inst_Ap_GMStrtStop.StrtStop_Per1_HwTorque_HwNm_f32	target_StrtStop_Per1_HwTorque_HwNm_f3:	2	
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	$target_StrtStop_Per1_VehicleSpeed_Kph_f3$	32	
target_StrtStop_Per1_APAState_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	Resul
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	
	685772544	685772544	•
StrtStop_StopModeTimer2_mS_M_u32	8897792	8897792	•
	1	1 ± 0.0001	
	163.784805	163.784805 ± 0.1	•

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 2.22 (Repeat Count = 1) Name	Input Value		
DtrmnElapsedTime mS u32(ElapsedTime)	target_DtrmnElapsedTime_mS_u32_Elapse	dTime	
GetSystemTime_mS_u32(CurrentTime)	target_GetSystemTime_mS_u32_CurrentTir		
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_StopMode1VehSpdTransThres_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_UIs_f32	0.650699973		
target_DtrmnElapsedTime_mS_u32_ElapsedTime	100200		
target_GetSystemTime_mS_u32_CurrentTime	25750		
target_Rte_Inst_Ap_GMStrtStop.StrtStop_Per1_APAState_State_enum	target_StrtStop_Per1_APAState_State_enu	II.	
target_Rte_Inst_Ap_GMStrtStop.StrtStop_Per1_EngSpd_Rpm_f32	target_StrtStop_Per1_EngSpd_Rpm_f32	huDadas (22	
target_Rte_Inst_Ap_GMStrtStop.StrtStop_Per1_HandwheelVelocity_HwRadpS_f32	target_StrtStop_Per1_HandwheelVelocity_F	· –	
target_Rte_Inst_Ap_GMStrtStop.StrtStop_Per1_HwTorque_HwNm_f32	target_StrtStop_Per1_HwTorque_HwNm_f3	2	
target_Rte_Inst_Ap_GMStrtStop.StrtStop_Per1_SS12VFault_Cnt_lgc target_Rte_Inst_Ap_GMStrtStop.StrtStop_Per1_SSScale_Uls_f32	target_StrtStop_Per1_SS12VFault_Cnt_lgc target_StrtStop_Per1_SSScale_Uls_f32		
target_Rte_Inst_Ap_GMStrtStop.StrtStop_Per1_SSSlew_UlspS_f32 target_Rte_Inst_Ap_GMStrtStop.StrtStop_Per1_SSState_State_enum	target_StrtStop_Per1_SSSlew_UlspS_f32 target_StrtStop_Per1_SSState_State_enum		
target_Rte_Inst_Ap_GMStrtStop.StrtStop_Per1_VehicleSpeed_Kph_f32	target_StrtStop_Per1_VehicleSpeed_Kph_f3	32	
target_StrtStop_Per1_APAState_State_enum.value	0	,	
target StrtStop Per1 EngSpd Rpm f32.value	11541.3486		
target_StrtStop_Fer1_EngSpu_Rpm_isz.value 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	Resul
StrtStop_SSScale_Uls_M_f32	1	1	i vean
StriStop_SSScale_Ois_M_i32 StriStop_SSSlewRatePrev_UlspS_M_f32	5.75169992	5.75169992 ± 0.1	
StrtStop_SSSiewRatePrev_UispS_M_f32 StrtStop_StOpModePrevPrev_Cnt_M_enum	2	5.75169992 ± 0.1	
StrStop_StOpModePrev_Cnt_M_enum StrtStop_StOpModePrev_Cnt_M_enum	4	4	
StrStop_StOpMode_Cnt_M_enum	4	4	
StriStop_StopModeTimer1 mS M u32	2683999744	2683999744	
StrIStop_StopModeTimer1_mS_M_u32 StrIStop_StopModeTimer2_mS_M_u32	2203808768	2203808768	
target_StrtStop_Per1_SSScale_Uls_f32.value	1	1 ± 0.0001	
		1 ± 0.000 I	
target_StrtStop_Per1_SSState_Uts_132.value	5.75169992	5.75169992 ± 0.1	١.,

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





Test Step 2.23 (Repeat Count = 1)	Innut Value		
Name	Input Value	noodTime	
DtrmnElapsedTime_mS_u32(ElapsedTime) CotSustanTime_mS_u22(CurrentTime)	target_OtrunElapsedTime_mS_u32_Ela		
GetSystemTime_mS_u32(CurrentTime)	target_GetSystemTime_mS_u32_Curren	ittime	
Rte_Inst_Ap_GMStrtStop	target_Rte_Inst_Ap_GMStrtStop		
StrtStop_SSScale_UIs_M_f32	1		
StrtStop_SSSlewRatePrev_UlspS_M_f32	269.720398		
	3		
	5		
	0		
	2286796800		
	2699398656		
k_AlgEnable_Cnt_lgc	1		
k_FltRspRampDnRt_UlspS_f32	54.6221008		
k_Mode1AssistDD_UIs_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_StopMode1VehSpdTransThres_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_UIs_f32	0.572799981		
target_DtrmnElapsedTime_mS_u32_ElapsedTime	105350		
target_GetSystemTime_mS_u32_CurrentTime	27100		
target_Rte_Inst_Ap_GMStrtStop.StrtStop_Per1_APAState_State_enum	target_StrtStop_Per1_APAState_State_6	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_HandwheelVelocit	y_HwRadpS_f32	
target_Rte_Inst_Ap_GMStrtStop_StrtStop_Per1_HwTorque_HwNm_f32	target_StrtStop_Per1_HwTorque_HwNm	_f32	
target_Rte_Inst_Ap_GMStrtStop_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_f3	2	
target_Rte_Inst_Ap_GMStrtStop.StrtStop_Per1_SSState_State_enum	target_StrtStop_Per1_SSState_State_en		
target_Rte_Inst_Ap_GMStrtStop.StrtStop_Per1_VehicleSpeed_Kph_f32	target_StrtStop_Per1_VehicleSpeed_Kpl		
	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		
	0		
	0		
0 - 1 - 1 - 1 - 1		Francisco Value	Decul
Name	Actual Value	Expected Value	Resul
StrtStop_SSScale_Uls_M_f32	0.104800001	0.104800001	
	1	1 ± 0.1	•
	5	5	•
StrtStop_StOpModePrev_Cnt_M_enum	1	1	•
StrtStop_StOpMode_Cnt_M_enum	1	1	•
	27100	27100	· · · · · · · ·
StrtStop_StopModeTimer1_mS_M_u32			
StrtStop_StopModeTimer2_mS_M_u32	2699398656	2699398656	
	2699398656 0.104800001	2699398656 0.104800001 ± 0.0001	

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 2.24 (Repeat Count = 1)			•
Name	Input Value		
DtrmnElapsedTime_mS_u32(ElapsedTime)	target_DtrmnElapsedTime_mS_u32_Elapse	edTime	
GetSystemTime_mS_u32(CurrentTime)	target_GetSystemTime_mS_u32_CurrentTin		
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_UIs_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_StopMode1VehSpdTransThres_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_APAState_State_enum	target_StrtStop_Per1_APAState_State_enu	m	
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_F	lwRadpS_f32	
target_Rte_Inst_Ap_GMStrtStop_StrtStop_Per1_HwTorque_HwNm_f32	target_StrtStop_Per1_HwTorque_HwNm_f3	2	
target_Rte_Inst_Ap_GMStrtStop_StrtStop_Per1_SS12VFault_Cnt_Igc	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	ı	
target_Rte_Inst_Ap_GMStrtStop_StrtStop_Per1_VehicleSpeed_Kph_f32	target_StrtStop_Per1_VehicleSpeed_Kph_f3		
target_StrtStop_Per1_APAState_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	Resul
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	
	0.0888999999	0.0888999999 ± 0.0001	
target StrtStop Per1 SSScale UIs t32 value			
target_StrtStop_Per1_SSScale_Uls_f32.value target_StrtStop_Per1_SSSlew_UlspS_f32.value	374.949707	374.949707 ± 0.1	

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





Test Step 2.25 (Repeat Count = 1)			
	Input Value		
	target_DtrmnElapsedTime_mS_u32_Elapse		
	target_GetSystemTime_mS_u32_CurrentTir	ne	
	target_Rte_Inst_Ap_GMStrtStop		
,2	1		
	76.8687973		
	2		
	1		
	0		
	3158981120		
	89159680		
_ 0 0	1		
_ , , _ , _	408.486298		
	1		
	72.3985977		
	12000		
k_Mode1VehSpdTransThresh_Kph_f32	39.8661003		
	1		
	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_StopMode1VehSpdTransThres_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_Per1_APAState_State_enum	target_StrtStop_Per1_APAState_State_enur	n	
target_Rte_Inst_Ap_GMStrtStop_StrtStop_Per1_EngSpd_Rpm_f32	target_StrtStop_Per1_EngSpd_Rpm_f32		
target_Rte_Inst_Ap_GMStrtStop_Per1_HandwheelVelocity_HwRadpS_f32	target_StrtStop_Per1_HandwheelVelocity_H	wRadpS_f32	
target_Rte_Inst_Ap_GMStrtStop_Per1_HwTorque_HwNm_f32	target_StrtStop_Per1_HwTorque_HwNm_f3:	2	
target_Rte_Inst_Ap_GMStrtStop_StrtStop_Per1_SS12VFault_Cnt_Igc	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_Per1_SSSlew_UlspS_f32	target_StrtStop_Per1_SSSlew_UlspS_f32		
	target_StrtStop_Per1_SSState_State_enum		
target Rte Inst Ap GMStrtStop.StrtStop Per1 VehicleSpeed Kph f32	target_StrtStop_Per1_VehicleSpeed_Kph_f3	32	
	0		
	1215.20496		
	-13.3400002		
	-4.85129976		
v =	0		
	111.899803		
	Actual Value	Expected Value	Resul
	1	1	Resul
	389.889587	389.889587 ± 0.1	
	1	1	
	0	0	
	0	0	
	3158981120	3158981120	•
StrtStop_StopModeTimer2_mS_M_u32	89159680	89159680	•
		4 . 0 0004	
target_StrtStop_Per1_SSScale_Uls_f32.value	1 389.889587	1 ± 0.0001 389.889587 ± 0.1	

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





Test Step 2.26 (Repeat Count = 1) Name	Input Value		
DtrmnElapsedTime mS u32(ElapsedTime)	target_DtrmnElapsedTime_mS_u32_Elapse	dTime	
GetSystemTime_mS_u32(CurrentTime)	target_GetSystemTime_mS_u32_CurrentTin		
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_UIs_f32	0.653100014		
target_DtrmnElapsedTime_mS_u32_ElapsedTime	120800		
target_GetSystemTime_mS_u32_CurrentTime	31150		
target_Rte_Inst_Ap_GMStrtStop.StrtStop_Per1_APAState_State_enum	target_StrtStop_Per1_APAState_State_enu	m	
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_F	lwRadpS_f32	
target_Rte_Inst_Ap_GMStrtStop.StrtStop_Per1_HwTorque_HwNm_f32	target_StrtStop_Per1_HwTorque_HwNm_f3	2	
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_f3	32	
target_StrtStop_Per1_APAState_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	Resu
StrtStop_SSScale_Uls_M_f32	1	1	•
StrtStop_SSSIewRatePrev_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	

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 2.27 (Repeat Count = 1) Name	Input Value		
	target_DtrmnElapsedTime_mS_u32_Elapse	dTime	
	target_GetSystemTime_mS_u32_CurrentTin		
	target_Rte_Inst_Ap_GMStrtStop		
	1		
	214.810394		
	5		
	2		
	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_UIs_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_UIs_f32	1		
target_DtrmnElapsedTime_mS_u32_ElapsedTime	125950		
target_GetSystemTime_mS_u32_CurrentTime	32500		
target_Rte_Inst_Ap_GMStrtStop.StrtStop_Per1_APAState_State_enum	target_StrtStop_Per1_APAState_State_enu	m	
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_F	lwRadpS_f32	
	target_StrtStop_Per1_HwTorque_HwNm_f3	2	
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_StrtStop_Per1_SSState_State_enum		
target_Rte_Inst_Ap_GMStrtStop.StrtStop_Per1_VehicleSpeed_Kph_f32	target_StrtStop_Per1_VehicleSpeed_Kph_f3	32	
3-2	0		
•	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	Resul
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_otriotop_rer_obs_toz.value			
0 = 1= = = =	42.3726006	42.3726006 ± 0.1	

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 2.28 (Repeat Count = 1)	Innut Value		
Name	Input Value	odTim o	
DtrmnElapsedTime_mS_u32(ElapsedTime) CotSustamTime_mS_u22(CurrentTime)	target_DtrmnElapsedTime_mS_u32_Elapse		
GetSystemTime_mS_u32(CurrentTime)	target_GetSystemTime_mS_u32_CurrentTi	ine	
Rte_Inst_Ap_GMStrtStop	target_Rte_Inst_Ap_GMStrtStop		
	0.753199995		
	272.523193		
StrtStop_StOpModePrevPrev_Cnt_M_enum	1		
	3		
	2		
StrtStop_StopModeTimer1_mS_M_u32	2642360064		
	813608192		
k_AlgEnable_Cnt_lgc	1		
k_FltRspRampDnRt_UlspS_f32	228.535995		
k_Mode1AssistDD_UIs_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		
	5		
k_StopMode1VehSpdTransThres_Kph_f32	131.764008		
	0.51639998		
k_StopMode2HwTrqTransThresh_HwNm_f32	6.60839987		
k StopMode2HwVelTransThresh HwDegpS f32	128.878204		
	4		
k StopMode2VehSpdTransThresh Kph f32	52.5082016		
	1		
k_StopModeAssistDD_UIs_f32	131100		
target_DtrmnElapsedTime_mS_u32_ElapsedTime	33850		
target_GetSystemTime_mS_u32_CurrentTime			
target_Rte_Inst_Ap_GMStrtStop.StrtStop_Per1_APAState_State_enum	target_StrtStop_Per1_APAState_State_enu	ш	
target_Rte_Inst_Ap_GMStrtStop.StrtStop_Per1_EngSpd_Rpm_f32	target_StrtStop_Per1_EngSpd_Rpm_f32		
· · - · - · - · - · - · - · - · -	target_StrtStop_Per1_HandwheelVelocity_l		
target_Rte_Inst_Ap_GMStrtStop_StrtStop_Per1_HwTorque_HwNm_f32	target_StrtStop_Per1_HwTorque_HwNm_f3		
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_enun	n	
target_Rte_Inst_Ap_GMStrtStop_StrtStop_Per1_VehicleSpeed_Kph_f32	target_StrtStop_Per1_VehicleSpeed_Kph_t	32	
target_StrtStop_Per1_APAState_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	Resul
StrtStop SSScale Uls M f32	1	1	7.000
StrtStop SSSIewRatePrev UlspS M f32	228.535995	228.535995 ± 0.1	
StrtStop_StOpModePrevPrev_Cnt_M_enum	1	1	
	3	3	
	3	3	•
StrtStop_StopModeTimer1_mS_M_u32	2642360064	2642360064	
StrtStop_StopModeTimer2_mS_M_u32	33850	33850	•
		1 ± 0.0001	
target_StrtStop_Per1_SSScale_Uls_f32.value target_StrtStop_Per1_SSSlew_UlspS_f32.value	1 228.535995	228.535995 ± 0.1	

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 2.29 (Repeat Count = 1) Name	Input Value		
DtrmnElapsedTime mS u32(ElapsedTime)	target_DtrmnElapsedTime_mS_u32_Elapse	dTime	
GetSystemTime_mS_u32(CurrentTime)	target_GetSystemTime_mS_u32_CurrentTin		
Rte_Inst_Ap_GMStrtStop	target_Rte_Inst_Ap_GMStrtStop		
StrtStop_SSScale_UIs_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_UIspS_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_UIs_f32	0.653100014		
target_DtrmnElapsedTime_mS_u32_ElapsedTime	136250		
target_GetSystemTime_mS_u32_CurrentTime	35200		
target_Rte_Inst_Ap_GMStrtStop_StrtStop_Per1_APAState_State_enum	target_StrtStop_Per1_APAState_State_enu	m	
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_F	lwRadpS_f32	
target_Rte_Inst_Ap_GMStrtStop_StrtStop_Per1_HwTorque_HwNm_f32	target_StrtStop_Per1_HwTorque_HwNm_f3	2	
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_f	32	
target_StrtStop_Per1_APAState_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	Resul
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	•
		4 + 0 0004	
target_StrtStop_Per1_SSScale_Uls_f32.value	1	1 ± 0.0001	•
target_StrtStop_Per1_SSScale_Uls_f32.value target_StrtStop_Per1_SSSlew_UlspS_f32.value	1 426.239899	426.239899 ± 0.1	

Test Step Call Trace				V
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 2.30 (Repeat Count = 1)	Innut Value		
Name	Input Value	1 	
DtrmnElapsedTime_mS_u32(ElapsedTime)	target_DtrmnElapsedTime_mS_u32_Elapse		
GetSystemTime_mS_u32(CurrentTime)	target_GetSystemTime_mS_u32_CurrentTin	me	
Rte_Inst_Ap_GMStrtStop	target_Rte_Inst_Ap_GMStrtStop		
StrtStop_SSScale_Uls_M_f32	1		
StrtStop_SSSIewRatePrev_UlspS_M_f32 StrtStop_StOpModePrevPrev_Cnt_M_enum	214.810394 5		
	2		
StrtStop_StOpModePrev_Cnt_M_enum StrtStop_StOpMode_Cnt_M_enum	4		
StrtStop_StopModeTimer1_mS_M_u32	1639613440		
StrtStop StopModeTimer2 mS M u32	1008906752		
k AlgEnable Cnt lqc	1		
k_FitRspRampDnRt_UlspS_f32	64.5850983		
k Mode1AssistDD UIs f32	1		
k_Mode1AssistSlew_UlspS_f32	499.013885		
k Mode1EngTransThresh Rpm f32	4146.84619		
k Mode1VehSpdTransThresh Kph f32	42.9118996		
k_Mode2AssistDD_UIs_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	141400		
target_GetSystemTime_mS_u32_CurrentTime	36550		
target_Rte_Inst_Ap_GMStrtStop_Per1_APAState_State_enum	target_StrtStop_Per1_APAState_State_enu	m	
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 H	HwRadpS f32	
target_Rte_Inst_Ap_GMStrtStop_StrtStop_Per1_HwTorque_HwNm_f32	target_StrtStop_Per1_HwTorque_HwNm_f3		
target_Rte_Inst_Ap_GMStrtStop_StrtStop_Per1_SS12VFault_Cnt_Igc	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	ı	
target_Rte_Inst_Ap_GMStrtStop.StrtStop_Per1_VehicleSpeed_Kph_f32	target_StrtStop_Per1_VehicleSpeed_Kph_f		
target_StrtStop_Per1_APAState_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	Resul
StrtStop_SSScale_Uls_M_f32	1	1	
StrtStop SSSIewRatePrev 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	
	64.5850983	64.5850983 ± 0.1	
target_StrtStop_Per1_SSSlew_UlspS_f32.value			

Test Step Call Trace				V
Actual Function	Count	Expected Function	Count	Result
PreviousStCalc	1	PreviousStCalc	1	~
SlewRateCalc	1	SlewRateCalc	1	•





Test Step 2.31 (Repeat Count = 1)			V
Name	Input Value		
DtrmnElapsedTime_mS_u32(ElapsedTime)	target_DtrmnElapsedTime_mS_u32_Elapse	edTime	
GetSystemTime_mS_u32(CurrentTime)	target_GetSystemTime_mS_u32_CurrentTi	me	
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_UIs_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_UIs_f32	1 146550		
target_DtrmnElapsedTime_mS_u32_ElapsedTime	37900		
target_GetSystemTime_mS_u32_CurrentTime			
target_Rte_Inst_Ap_GMStrtStop_StrtStop_Per1_APAState_State_enum	target_StrtStop_Per1_APAState_State_enu	111	
target_Rte_Inst_Ap_GMStrtStop_StrtStop_Per1_EngSpd_Rpm_f32	target_StrtStop_Per1_EngSpd_Rpm_f32	JuPadas 193	
target_Rte_Inst_Ap_GMStrtStop_StrtStop_Per1_HandwheelVelocity_HwRadpS_f32 target_Rte_Inst_Ap_GMStrtStop.StrtStop_Per1_HwTorque_HwNm_f32	target_StrtStop_Per1_HandwheelVelocity_ltarget_StrtStop_Per1_HwTorque_HwNm_f3		
target Rte Inst Ap GMStrtStop.StrtStop Per1 SS12VFault Cnt Igc	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	1	
target_Rte_Inst_Ap_GMStrtStop_StrtStop_Per1_VehicleSpeed_Kph_f32	target_StrtStop_Per1_VehicleSpeed_Kph_f		
target StrtStop Per1 APAState State enum.value	0	<u></u>	
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 Igc.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	recount
StrtStop SSSIewRatePrev 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	
	0.753199995	0.753199995 ± 0.0001	~
Target Stristop Peri SSScale UIS 132.Value		JO . JO JO JO _ O	
target_StrtStop_Per1_SSScale_Uls_f32.value target_StrtStop_Per1_SSSlew_UlspS_f32.value	228.535995	228.535995 ± 0.1	✓

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





Test Step 2.32 (Repeat Count = 1)	Innut Value		
	Input Value	. 	
	target_DtrmnElapsedTime_mS_u32_Elapse		
	target_GetSystemTime_mS_u32_CurrentTir	ne	
	target_Rte_Inst_Ap_GMStrtStop		
·	1		
	0.100000001		
· - ·	5		
	2		
12 1 2 2 2	1		
	3214987520		
	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_UIs_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		
	290.0867		
	0.492599994		
	127.415398		
	1		
k_StopMode1VehSpdTransThres_Kph_f32	104.4161		
	391.097198		
	9.06449986		
	56.8931007		
	2		
k_StopMode2VehSpdTransThresh_Kph_f32	145.815308		
- '	0.256399989		
target_DtrmnElapsedTime_mS_u32_ElapsedTime	151700		
target_GetSystemTime_mS_u32_CurrentTime	39250		
target_Rte_Inst_Ap_GMStrtStop.StrtStop_Per1_APAState_State_enum	target_StrtStop_Per1_APAState_State_enur	n	
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_H	wRadpS_f32	
target_Rte_Inst_Ap_GMStrtStop.StrtStop_Per1_HwTorque_HwNm_f32	target_StrtStop_Per1_HwTorque_HwNm_f3:	2	
target_Rte_Inst_Ap_GMStrtStop_StrtStop_Per1_SS12VFault_Cnt_Igc	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_StrtStop_Per1_SSState_State_enum		
	target_StrtStop_Per1_VehicleSpeed_Kph_f3	32	
	2		
	14296.4619		
	29.8362007		
	8.80440044		
·	0		
. 3.2			
	7.67659998	1=	
	Actual Value	Expected Value	Resul
	1	1	
	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	
	1	1 ± 0.0001	
·	0.100000001	0.100000001 ± 0.1	

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





Test Step 2.33 (Repeat Count = 1) Name	Input Value		
DtrmnElapsedTime mS u32(ElapsedTime)	target_DtrmnElapsedTime_mS_u32_Elapse	dTime	
GetSystemTime_mS_u32(CurrentTime)	target_GetSystemTime_mS_u32_CurrentTir		
Rte_Inst_Ap_GMStrtStop	target_Rte_Inst_Ap_GMStrtStop		
StrtStop_SSScale_Uls_M_f32	1		
StrtStop_SSSIewRatePrev_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_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_APAState_State_enum	target_StrtStop_Per1_APAState_State_enui	n	
target_Rte_Inst_Ap_GMStrtStop.StrtStop_Per1_EngSpd_Rpm_f32	target_StrtStop_Per1_EngSpd_Rpm_f32	h.D1-0 100	
target_Rte_Inst_Ap_GMStrtStop.StrtStop_Per1_HandwheelVelocity_HwRadpS_f32	target_StrtStop_Per1_HandwheelVelocity_F		
target_Rte_Inst_Ap_GMStrtStop.StrtStop_Per1_HwTorque_HwNm_f32	target_StrtStop_Per1_HwTorque_HwNm_f3	2	
target_Rte_Inst_Ap_GMStrtStop.StrtStop_Per1_SS12VFault_Cnt_Igc	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_Rte_Inst_Ap_GMStrtStop.StrtStop_Per1_SSState_State_enum	target_StrtStop_Per1_SSSlew_UlspS_f32 target_StrtStop_Per1_SSState_State_enum		
target_Rte_inst_Ap_GMStrtStop.StrtStop_Per1_SSState_State_entitit target_Rte_Inst_Ap_GMStrtStop.StrtStop_Per1_VehicleSpeed_Kph_f32	· - ·	22	
target_Rte_inst_Ap_Gwistristop.Strtstop_Per1_verildespeed_kpi1_is2 target_StrtStop_Per1_APAState_State_enum.value	target_StrtStop_Per1_VehicleSpeed_Kph_f3	5Z	
target_StrtStop_Fe11_AFAState_State_entititi.value	12299.8311		
target_StrtStop_Per1_EngSpd_kpm_r32.value target_StrtStop_Per1_HandwheelVelocity_HwRadpS_f32.value	-30.0855999		
target_StriStop_Per1_nanowneervelocity_nwrkadpS_is2.value target_StriStop_Per1_HwTorque_HwNm_f32.value	-7.65990019		
target_StrtStop_Per1_RW10rque_HWNITI_32.value target_StrtStop_Per1_SS12VFault_Cnt_lgc.value	1		
target_StrtStop_Per1_SS12vFauit_Ont_lgc.value target_StrtStop_Per1_VehicleSpeed_Kph_f32.value	130.206894		
	Actual Value	Expected Value	Resu
Name Statistical Seconda I III M #22	1	1	Resu
StrtStop_SSScale_Uls_M_f32 StrtStop_SSSlowPateProv_UlspS_M_f32	500	1 500 ± 0.1	
StrtStop_SSSlewRatePrev_UlspS_M_f32 StrtStop_StOpModePrevPrev_Cnt_M_enum	0	500 ± 0.1	
StrtStop_StOpModePrevPrev_Cnt_M_enum	5	5	
StrtStop_StOpModePrev_Cnt_M_enum StrtStop_StOpMode_Cnt_M_enum	5	5	
StrtStop_StopModeTimer1 mS M u32	3376435200	3376435200	
		390962688	
StrtStop_StopModeTimer2_mS_M_u32 target_StrtStop_Per1_SSScale_Uls_f32.value	390962688 1		
		1 ± 0.0001	
target_StrtStop_Per1_SSStew_UlspS_f32.value	500	500 ± 0.1	

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





Test Step 2.34 (Repeat Count = 1) Name	Input Value		
	target_DtrmnElapsedTime_mS_u32_Elapse	dTime	
	target_GetSystemTime_mS_u32_CurrentTir		
	target Rte Inst Ap GMStrtStop		
	1		
	1.64049995		
	3		
	0		
	5		
	2367542016		
	1101916416		
	1		
k_FitRspRampDnRt_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_UIs_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_UIs_f32	0.0806000009		
target_DtrmnElapsedTime_mS_u32_ElapsedTime	162000		
target_GetSystemTime_mS_u32_CurrentTime	41950		
target_Rte_Inst_Ap_GMStrtStop_StrtStop_Per1_APAState_State_enum	target_StrtStop_Per1_APAState_State_enui	n	
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	$target_StrtStop_Per1_HandwheelVelocity_F$	wRadpS_f32	
	target_StrtStop_Per1_HwTorque_HwNm_f3	2	
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_StrtStop_Per1_SSSlew_UlspS_f32		
	target_StrtStop_Per1_SSState_State_enum		
	target_StrtStop_Per1_VehicleSpeed_Kph_f3	32	
0 _ 1	2		
	4472.09229		
target_StrtStop_Per1_HandwheelVelocity_HwRadpS_f32.value	-79.0091019		
0 = 1 = = =	3.69989991		
. 3-2	0		
target_StrtStop_Per1_VehicleSpeed_Kph_f32.value	180.797607		
Name	Actual Value	Expected Value	Resul
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	•
· - · · · · · · · · · · · · · · ·			
	1.64049995	1.64049995 ± 0.1	•

Test Step Call Trace				V
Actual Function	Count	Expected Function	Count	Result
PreviousStCalc	1	PreviousStCalc	1	~
SlewRateCalc	1	SlewRateCalc	1	•





Test Step 2.35 (Repeat Count = 1) Name	Input Value		
	target_DtrmnElapsedTime_mS_u32_Elapse	dTime	
	target_GetSystemTime_mS_u32_CurrentTir		
	target_Rte_Inst_Ap_GMStrtStop		
	0.587899983		
	413.556702		
	5		
	0		
	3		
	2404469248		
	1970866176		
	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_StopMode1VehSpdTransThres_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_UIs_f32	1		
target_DtrmnElapsedTime_mS_u32_ElapsedTime	167150		
target_GetSystemTime_mS_u32_CurrentTime	43300		
target_Rte_Inst_Ap_GMStrtStop_StrtStop_Per1_APAState_State_enum	target_StrtStop_Per1_APAState_State_enur	m	
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_H	lwRadpS_f32	
target_Rte_Inst_Ap_GMStrtStop.StrtStop_Per1_HwTorque_HwNm_f32	target_StrtStop_Per1_HwTorque_HwNm_f3	2	
target_Rte_Inst_Ap_GMStrtStop.StrtStop_Per1_SS12VFault_Cnt_Igc	target_StrtStop_Per1_SS12VFault_Cnt_lgc		
	target_StrtStop_Per1_SSScale_Uls_f32		
	target_StrtStop_Per1_SSSlew_UlspS_f32		
target_Rte_Inst_Ap_GMStrtStop.StrtStop_Per1_SSState_State_enum	target_StrtStop_Per1_SSState_State_enum		
	target_StrtStop_Per1_VehicleSpeed_Kph_f3	32	
3,77,1,1,1,1	0		
•	11037.5322		
target_StrtStop_Per1_HandwheelVelocity_HwRadpS_f32.value	-62.7341003		
target_StrtStop_Per1_HwTorque_HwNm_f32.value	8.90699959		
. 3.2	0		
target_StrtStop_Per1_VehicleSpeed_Kph_f32.value	68.4180984		
Name	Actual Value	Expected Value	Resul
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	١ ،

Test Step Call Trace				V
Actual Function	Count	Expected Function	Count	Result
PreviousStCalc	1	PreviousStCalc	1	~
SlewRateCalc	1	SlewRateCalc	1	•





Test Step 2.36 (Repeat Count = 1) Name	Input Value		
DtrmnElapsedTime mS u32(ElapsedTime)	target_DtrmnElapsedTime_mS_u32_Elapse	dTime	
GetSystemTime_mS_u32(CurrentTime)	target_GetSystemTime_mS_u32_CurrentTin		
Rte_Inst_Ap_GMStrtStop	target Rte Inst Ap GMStrtStop		
StrtStop_SSScale_UIs_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_UIspS_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_StopMode1VehSpdTransThres_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_UIs_f32	0.718999982		
target_DtrmnElapsedTime_mS_u32_ElapsedTime	172300		
target_GetSystemTime_mS_u32_CurrentTime	44650		
target_Rte_Inst_Ap_GMStrtStop_StrtStop_Per1_APAState_State_enum	target_StrtStop_Per1_APAState_State_enu	m	
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_F	lwRadpS_f32	
target_Rte_Inst_Ap_GMStrtStop_StrtStop_Per1_HwTorque_HwNm_f32	target_StrtStop_Per1_HwTorque_HwNm_f3	2	
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_f3	32	
target_StrtStop_Per1_APAState_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	Resul
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	•
		4 + 0 0004	
target_StrtStop_Per1_SSScale_Uls_f32.value	1	1 ± 0.0001	•
target_StrtStop_Per1_SSScale_Uls_f32.value target_StrtStop_Per1_SSSlew_UlspS_f32.value	1 442.736908	442.736908 ± 0.1	

Test Step Call Trace				V
Actual Function	Count	Expected Function	Count	Result
PreviousStCalc	1	PreviousStCalc	1	~
SlewRateCalc	1	SlewRateCalc	1	•





Test Step 2.37 (Repeat Count = 1) Name	Input Value		
	target_DtrmnElapsedTime_mS_u32_Elapse	dTime	
	target_GetSystemTime_mS_u32_CurrentTin		
	target_Rte_Inst_Ap_GMStrtStop		
	1		
	23.5202007		
	4		
	1		
	0		
12 1 2 2 2	4068509440		
	3036118272		
	1		
	310.166992		
	1		
	62.4688988		
	0		
	186.181107		
	0.483200014		
	175.960907		
	23.9277		
	325.622009		
	812.323303		
	39.6867981		
	379.285614		
	0.612600029		
	191.062195		
	4		
	25.4437008		
	192.132004		
	6.77250004		
	170.802094		
	4		
	116.519302		
k_StopModeAssistDD_UIs_f32	1		
	177450		
target_GetSystemTime_mS_u32_CurrentTime	46000		
target_Rte_Inst_Ap_GMStrtStop_StrtStop_Per1_APAState_State_enum t	target_StrtStop_Per1_APAState_State_enur	n	
target_Rte_Inst_Ap_GMStrtStop_StrtStop_Per1_EngSpd_Rpm_f32 t	target_StrtStop_Per1_EngSpd_Rpm_f32		
target_Rte_Inst_Ap_GMStrtStop_StrtStop_Per1_HandwheelVelocity_HwRadpS_f32 t	target_StrtStop_Per1_HandwheelVelocity_H	wRadpS_f32	
target_Rte_Inst_Ap_GMStrtStop_StrtStop_Per1_HwTorque_HwNm_f32 t	target_StrtStop_Per1_HwTorque_HwNm_f32	2	
target_Rte_Inst_Ap_GMStrtStop_StrtStop_Per1_SS12VFault_Cnt_Igc t	target_StrtStop_Per1_SS12VFault_Cnt_lgc		
target_Rte_Inst_Ap_GMStrtStop_StrtStop_Per1_SSScale_Uls_f32 t	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_f3	2	
target_StrtStop_Per1_APAState_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	Resul
StrtStop_SSScale_Uls_M_f32	1	1	
	325.622009	325.622009 ± 0.1	
	1	1	
	0	0	
	0	0	
	4068509440	4068509440	
	3036118272	3036118272	
	1	1 ± 0.0001	
target StrtStop Per1 SSScale Uls f32.value			
0 _ 1	325.622009	325.622009 ± 0.1	

Test Step Call Trace				V
Actual Function	Count	Expected Function	Count	Result
PreviousStCalc	1	PreviousStCalc	1	~
SlewRateCalc	1	SlewRateCalc	1	•





Test Step 2.38 (Repeat Count = 1) Name	Input Value		
	•	adTima	
	target_DtrmnElapsedTime_mS_u32_Elaps target_GetSystemTime_mS_u32_CurrentT		
	target_Rte_Inst_Ap_GMStrtStop	iiiie	
	1		
	456.624908		
	4		
	0		
	0		
	2063150592		
	3941354496		
	1		
	290.191406		
	0.805599988		
	269.645386		
	16383.75		
	141.824707		
	1		
	212.026398		
k_Mode2VehSpdTransThresh_Kph_f32	162.128204		
	173.081406		
	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_StopMode1VehSpdTransThres_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_UIs_f32	1		
target_DtrmnElapsedTime_mS_u32_ElapsedTime	182600		
target_GetSystemTime_mS_u32_CurrentTime	47350		
target_Rte_Inst_Ap_GMStrtStop.StrtStop_Per1_APAState_State_enum	target_StrtStop_Per1_APAState_State_en	um	
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	$target_StrtStop_Per1_HwTorque_HwNm_f$	32	
target_Rte_Inst_Ap_GMStrtStop_StrtStop_Per1_SS12VFault_Cnt_Igc	$target_StrtStop_Per1_SS12VFault_Cnt_lgc$		
target_Rte_Inst_Ap_GMStrtStop.StrtStop_Per1_SSScale_Uls_f32	target_StrtStop_Per1_SSScale_Uls_f32		
	target_StrtStop_Per1_SSSlew_UlspS_f32		
	target_StrtStop_Per1_SSState_State_enur	n	
	target_StrtStop_Per1_VehicleSpeed_Kph_	<u>f</u> 32	
3.5	1		
	5287.64844		
	8.94789982		
·	-0.734499991		
3,55,4,4,4,5	0		
target_StrtStop_Per1_VehicleSpeed_Kph_f32.value	71.9789963		
Name	Actual Value	Expected Value	Resul
StrtStop_SSScale_Uls_M_f32	0.805599988	0.805599988	•
StrtStop_SSSlewRatePrev_UlspS_M_f32	269.645386	269.645386 ± 0.1	•
	0	0	•
StrtStop_StOpModePrev_Cnt_M_enum	1	1	
StrtStop_StOpMode_Cnt_M_enum	1	1	
	47350	47350	
StrtStop_StopModeTimer1_mS_M_u32			
	3941354496	3941354496	
StrtStop_StopModeTimer2_mS_M_u32		3941354496 0.805599988 ± 0.0001	•

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 2.39 (Repeat Count = 1) Name	Input Value		
DtrmnElapsedTime_mS_u32(ElapsedTime)	target_DtrmnElapsedTime_mS_u32_Elapse	dTime	
GetSystemTime_mS_u32(CurrentTime)	target_GetSystemTime_mS_u32_CurrentTir	ne	
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_UIs_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_StopMode1VehSpdTransThres_Kph_f32	17.8062992		
k_StopMode2AssistSlew_UlspS_f32	65.2929001		
k_StopMode2HwTrqTransThresh_HwNm_f32	9.71049976 31.7338009		
k_StopMode2HwVelTransThresh_HwDegpS_f32			
k_StopMode2Timer_Sec_u16 k StopMode2VehSpdTransThresh Kph f32	15.4768		
- · - · - · - · - · - · - · - · - · · - ·	15.4706		
k_StopModeAssistDD_UIs_f32 target_DtrmnElapsedTime_mS_u32_ElapsedTime	187750		
target_GetSystemTime_mS_u32_CurrentTime	48700		
target_Rte_Inst_Ap_GMStrtStop.StrtStop_Per1_APAState_State_enum	target_StrtStop_Per1_APAState_State_enui	n	
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		wRadnS f32	
target Rte Inst Ap GMStrtStop.StrtStop Per1 HwTorque HwNm f32	target_StrtStop_Per1_HwTorque_HwNm_f3		
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 f3	32	
target_StrtStop_Per1_APAState_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	Resul
StrtStop_SSScale_Uls_M_f32	0.704699993	0.704699993	
StrtStop SSSIewRatePrev 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	
			1 '

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





Test Step 2.40 (Repeat Count = 1) Name	Input Value		
	target_DtrmnElapsedTime_mS_u32_Elapse	dTime	
	target_GetSystemTime_mS_u32_CurrentTir		
	target_Rte_Inst_Ap_GMStrtStop		
	1		
	335.920197		
	0		
	4		
12 1 2 2	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_UIs_f32	0.775099993		
target_DtrmnElapsedTime_mS_u32_ElapsedTime	192900		
target_GetSystemTime_mS_u32_CurrentTime	50050		
target_Rte_Inst_Ap_GMStrtStop_StrtStop_Per1_APAState_State_enum	target_StrtStop_Per1_APAState_State_enur	n	
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_H	wRadpS_f32	
target_Rte_Inst_Ap_GMStrtStop.StrtStop_Per1_HwTorque_HwNm_f32	target_StrtStop_Per1_HwTorque_HwNm_f3	2	
target_Rte_Inst_Ap_GMStrtStop.StrtStop_Per1_SS12VFault_Cnt_lgc	target_StrtStop_Per1_SS12VFault_Cnt_lgc		
	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_StrtStop_Per1_VehicleSpeed_Kph_f3	32	
0 - 1	0		
0 = 1 = 0 1 = 1 =	0.5		
target_StrtStop_Per1_HandwheelVelocity_HwRadpS_f32.value	95.5662994		
0 = 1 = = = =	6.15959978		
. 3.2	0		
target_StrtStop_Per1_VehicleSpeed_Kph_f32.value	150.262207		
Name	Actual Value	Expected Value	Resul
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	•

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





Test Step 2.41 (Repeat Count = 1) Name	Input Value		
	target_DtrmnElapsedTime_mS_u32_Elapse	dTime	
	target_GetSystemTime_mS_u32_CurrentTir		
	target_Rte_Inst_Ap_GMStrtStop		
	0.321200013		
· – – – – – – – – – – – – – – – – – – –	33.0737		
	4		
	5		
	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_StopMode1VehSpdTransThres_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_APAState_State_enum	target_StrtStop_Per1_APAState_State_enui	n	
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_F	wRadpS_f32	
target_Rte_Inst_Ap_GMStrtStop.StrtStop_Per1_HwTorque_HwNm_f32	target_StrtStop_Per1_HwTorque_HwNm_f3	2	
target_Rte_Inst_Ap_GMStrtStop_StrtStop_Per1_SS12VFault_Cnt_Igc	target_StrtStop_Per1_SS12VFault_Cnt_lgc		
	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_StrtStop_Per1_VehicleSpeed_Kph_f3	32	
. 3. 2	0		
	1.24000001		
target_StrtStop_Per1_HandwheelVelocity_HwRadpS_f32.value	-56.2221985		
0 _ 1	7.5328002		
3,5,5,4,4,4,5,4,5,4,4,4,4,4,4,4,4,4,4,4,	0		
target_StrtStop_Per1_VehicleSpeed_Kph_f32.value	87.7533035		
Name	Actual Value	Expected Value	Resul
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	

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 2.42 (Repeat Count = 1)	Innut Value		
Name	Input Value	a dTime	
DtrmnElapsedTime_mS_u32(ElapsedTime) CotSustamTime_mS_u22(CurrentTime)	target_DtrmnElapsedTime_mS_u32_Elapse		
GetSystemTime_mS_u32(CurrentTime)	target_GetSystemTime_mS_u32_CurrentT	ine	
Rte_Inst_Ap_GMStrtStop	target_Rte_Inst_Ap_GMStrtStop		
StrtStop_SSScale_Uls_M_f32	6.04060004		
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_UIs_f32	0.984899998		
k_Mode1AssistSlew_UlspS_f32	332.003906		
k_Mode1EngTransThresh_Rpm_f32	1098.81396		
k_Mode1VehSpdTransThresh_Kph_f32	10		
k_Mode2AssistDD_UIs_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_APAState_State_enum	target_StrtStop_Per1_APAState_State_enu	ım	
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	HwRadnS f32	
target_Rte_Inst_Ap_GMStrtStop_StrtStop_Per1_HwTorque_HwNm_f32	target_StrtStop_Per1_HwTorque_HwNm_f3	. –	
target Rte Inst Ap GMStrtStop.StrtStop Per1 SS12VFault Cnt Igc	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_Rte_Inst_Ap_GMStrtStop.StrtStop_Per1_SSState_State_enum	target_StrtStop_Per1_SSSlew_UlspS_f32 target_StrtStop_Per1_SSState_State_enur	n	
target_Rte_Inst_Ap_GMStrtStop.StrtStop_Per1_VehicleSpeed_Kph_f32	target_StrtStop_Per1_VehicleSpeed_Kph_t 0	J2	
target_StrtStop_Per1_APAState_enum.value			
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	Resul
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_UIs_f32.value	1	1 ± 0.0001	
target_StrtStop_Per1_SSSlew_UlspS_f32.value	118.717903	118.717903 ± 0.1	

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





Test Step 2.43 (Repeat Count = 1)	Innut Value		
Name	Input Value	dTime o	
DtrmnElapsedTime_mS_u32(ElapsedTime) CotSustamTime_mS_u22(CurrentTime)	target_DtrmnElapsedTime_mS_u32_Elapse		
GetSystemTime_mS_u32(CurrentTime)	target_GetSystemTime_mS_u32_CurrentTir	ne	
Rte_Inst_Ap_GMStrtStop StrtStop_SSScale_Uls_M_f32	target_Rte_Inst_Ap_GMStrtStop 0.739199996		
StriStop_SSSlewRatePrev_UlspS_M_f32	478.880707		
StriStop_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 UIs f32	0.00109999999		
k_Mode1AssistSlew_UlspS_f32	78.9414978		
k Mode1EngTransThresh Rpm f32	13686.0264		
k Mode1VehSpdTransThresh Kph f32	13.1429005		
k_Mode2AssistDD_UIs_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_UIs_f32	0.55250001		
target_DtrmnElapsedTime_mS_u32_ElapsedTime	208350		
target_GetSystemTime_mS_u32_CurrentTime	54100		
target_Rte_Inst_Ap_GMStrtStop.StrtStop_Per1_APAState_State_enum	target_StrtStop_Per1_APAState_State_enui	m	
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_F	lwRadpS_f32	
target_Rte_Inst_Ap_GMStrtStop.StrtStop_Per1_HwTorque_HwNm_f32	target_StrtStop_Per1_HwTorque_HwNm_f3	2	
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_f3	32	
target_StrtStop_Per1_APAState_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	Resul
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_UIs_f32.value	0.739199996	0.739199996 ± 0.0001	
target_StrtStop_Per1_SSSlew_UlspS_f32.value	377.574707	377.574707 ± 0.1	
talget stristop rei i sosiew dispo isz.value			

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





Test Step 2.44 (Repeat Count = 1)	Immed Value		
Name DtranslancedTime ms u22/ElegandTime)	Input Value	ndTime.	
DtrmnElapsedTime_mS_u32(ElapsedTime)	target_DtrmnElapsedTime_mS_u32_Elapse		
GetSystemTime_mS_u32(CurrentTime)	target_GetSystemTime_mS_u32_CurrentTi	me	
Rte_Inst_Ap_GMStrtStop StrtStop SSScale Uls M f32	target_Rte_Inst_Ap_GMStrtStop		
·			
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_UIs_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 StopMode1VehSpdTransThres Kph f32	115.142097		
k StopMode2AssistSlew UlspS f32	357.373688		
k_StopMode2HwTrqTransThresh_HwNm_f32	6.12050009		
k StopMode2HwVelTransThresh HwDegpS f32	85.6885986		
	2		
k_StopMode2Timer_Sec_u16			
k_StopMode2VehSpdTransThresh_Kph_f32	102.1754		
k_StopModeAssistDD_UIs_f32	0.6329		
target_DtrmnElapsedTime_mS_u32_ElapsedTime	213500		
target_GetSystemTime_mS_u32_CurrentTime	55450		
target_Rte_Inst_Ap_GMStrtStop.StrtStop_Per1_APAState_State_enum	target_StrtStop_Per1_APAState_State_enu	m	
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_Rte_Inst_Ap_GMStrtStop_StrtStop_Per1_HwTorque_HwNm_f32	target_StrtStop_Per1_HwTorque_HwNm_f3	32	
target_Rte_Inst_Ap_GMStrtStop_StrtStop_Per1_SS12VFault_Cnt_Igc	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	1	
target_Rte_Inst_Ap_GMStrtStop_StrtStop_Per1_VehicleSpeed_Kph_f32	target_StrtStop_Per1_VehicleSpeed_Kph_f	32	
target_StrtStop_Per1_APAState_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		
	Actual Value	Expected Value	Popul
Name		Expected Value	Resul
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	

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





Test Step 2.45 (Repeat Count = 1) Name	Input Value			
	target_DtrmnElapsedTime_mS_u32_Elapse	dTime		
	target_GetSystemTime_mS_u32_CurrentTin			
	target Rte Inst Ap GMStrtStop			
	0.328099996			
	447.378693			
	4			
	3			
	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_UIs_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_APAState_State_enum	target_StrtStop_Per1_APAState_State_enu	m		
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_F	lwRadpS_f32		
target_Rte_Inst_Ap_GMStrtStop.StrtStop_Per1_HwTorque_HwNm_f32	target_StrtStop_Per1_HwTorque_HwNm_f3	2		
target_Rte_Inst_Ap_GMStrtStop.StrtStop_Per1_SS12VFault_Cnt_lgc	target_StrtStop_Per1_SS12VFault_Cnt_lgc			
·	target_StrtStop_Per1_SSScale_Uls_f32			
·	target_StrtStop_Per1_SSSlew_UlspS_f32			
target_Rte_Inst_Ap_GMStrtStop.StrtStop_Per1_SSState_State_enum	target_StrtStop_Per1_SSState_State_enum			
	target_StrtStop_Per1_VehicleSpeed_Kph_f3	32		
	0			
	736.22998			
	1.17760003			
. 3.5	-1.32210004			
3,2,4,4,4,2,4,2,4,2,4,4,4,4,4,4,4,4,4,4,	0			
target_StrtStop_Per1_VehicleSpeed_Kph_f32.value	55.8894997			
Name	Actual Value	Expected Value	Resul	
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	•	

Test Step Call Trace				V
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 2.46 (Repeat Count = 1) Name	Input Value		
	target_DtrmnElapsedTime_mS_u32_Elapse	dTime	
	target_GetSystemTime_mS_u32_CurrentTir		
		target Rte Inst Ap GMStrtStop	
	0.998300016		
·	223.291901		
	4		
	0		
	1		
	3333600768		
	2672202752		
	1		
k_FitRspRampDnRt_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_UIs_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_UIs_f32	0.498199999		
target_DtrmnElapsedTime_mS_u32_ElapsedTime	223800		
target_GetSystemTime_mS_u32_CurrentTime	58150		
target_Rte_Inst_Ap_GMStrtStop_StrtStop_Per1_APAState_State_enum	target_StrtStop_Per1_APAState_State_enur	n	
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_H	wRadpS_f32	
target_Rte_Inst_Ap_GMStrtStop.StrtStop_Per1_HwTorque_HwNm_f32	target_StrtStop_Per1_HwTorque_HwNm_f3	2	
target_Rte_Inst_Ap_GMStrtStop_StrtStop_Per1_SS12VFault_Cnt_lgc	target_StrtStop_Per1_SS12VFault_Cnt_lgc		
	target_StrtStop_Per1_SSScale_Uls_f32		
	target_StrtStop_Per1_SSSlew_UlspS_f32		
target_Rte_Inst_Ap_GMStrtStop_StrtStop_Per1_SSState_State_enum	target_StrtStop_Per1_SSState_State_enum		
	target_StrtStop_Per1_VehicleSpeed_Kph_f3	32	
3-2	0		
	7904.46338		
target_StrtStop_Per1_HandwheelVelocity_HwRadpS_f32.value	-72.1147995		
0 = 1 = = =	-6.79379988		
. 3-2	0		
target_StrtStop_Per1_VehicleSpeed_Kph_f32.value	17.5387001		
Name	Actual Value	Expected Value	Resul
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	•
3.5			
0 _ 1	96.5988007	96.5988007 ± 0.1	

Test Step Call Trace				V
Actual Function	Count	Expected Function	Count	Result
DtrmnElapsedTime_mS_u32	1	DtrmnElapsedTime_mS_u32	1	~
PreviousStCalc	1	PreviousStCalc	1	•
SlewRateCalc	1	SlewRateCalc	1	V





Test Step 2.47 (Repeat Count = 1) Name	Input Value			
DtrmnElapsedTime mS u32(ElapsedTime)	target_DtrmnElapsedTime_mS_u32_Elapse	edTime		
GetSystemTime_mS_u32(CurrentTime)	target_GetSystemTime_mS_u32_CurrentTin			
Rte_Inst_Ap_GMStrtStop		target Rte Inst Ap GMStrtStop		
StrtStop_SSScale_UIs_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 Igc	1			
k_FltRspRampDnRt_UlspS_f32	71.4107971			
k_Mode1AssistDD_Uls_f32	1			
k_Mode1AssistSlew_UIspS_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_UIs_f32	0.110200003			
target_DtrmnElapsedTime_mS_u32_ElapsedTime	228950			
target_GetSystemTime_mS_u32_CurrentTime	59500			
target_Rte_Inst_Ap_GMStrtStop_StrtStop_Per1_APAState_State_enum	target_StrtStop_Per1_APAState_State_enu	m		
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_F	lwRadpS_f32		
target_Rte_Inst_Ap_GMStrtStop_StrtStop_Per1_HwTorque_HwNm_f32	target_StrtStop_Per1_HwTorque_HwNm_f3	2		
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	1		
target_Rte_Inst_Ap_GMStrtStop_StrtStop_Per1_VehicleSpeed_Kph_f32	target_StrtStop_Per1_VehicleSpeed_Kph_f	32		
target_StrtStop_Per1_APAState_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	Resul	
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	•	
	3910862592	3910862592	•	
StrtStop_StopModeTimer2_mS_M_u32				
StrIStop_StopMode1Imer2_mS_M_u32 target_StrtStop_Per1_SSScale_Uls_f32.value	1	1 ± 0.0001	•	
		1 ± 0.0001 85.2277985 ± 0.1		

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





DtrmnElapsedTime_mS_u32(ElapsedTime)	2600704 379648 251694 671692 .41895 742203 5100026 204006 9599 267303) 202896 382988 189995 337006 645004 102036 290024 410904	
GetSystemTime_mS_u32(CurrentTime) Rte_Inst_Ap_GMStrtStop StrtStop_SSScale_Uls_M_f32 StrtStop_SSScale_Uls_M_f32 StrtStop_SSScale_Uls_M_f32 StrtStop_StOpModePrev_Prev_Cnt_M_enum 4 StrtStop_StOpModePrev_Cnt_M_enum 1 StrtStop_StOpModePrev_Cnt_M_enum 1 StrtStop_StopModeCnt_M_enum 1 StrtStop_StopModeTimer1_mS_M_u32 StrtStop_StopModeTimer2_mS_M_u32 Laptace_UlspS_f32 Laptace_UlspS_f332 Laptace_UlspS_f332	et_GetSystemTime_mS_u32_CurrentTimet_Rte_Inst_Ap_GMStrtStop 1371	
Rte_Inst_Ap_GMStrtStop StrStop_SSScale_Uls_M_f32 11 StrStop_SSScale_Uls_M_f32 144. StrStop_StOpModePrevPrev_Cnt_M_enum 14 StrStop_StOpModePrevPrev_Cnt_M_enum 15trStop_StOpModePrevPrev_Cnt_M_enum 11 StrStop_StOpModeCnt_M_enum 11 StrStop_StopModeTimer1_mS_M_u32 2982 StrStop_StopModeTimer1_mS_M_u32 2982 StrStop_StopModeTimer2_mS_M_u32 32 K_AlgEnable_Cnt_Igc 16 k_FilkspRampDntt_UlspS_f32 17 k_Mode1AssistDD_Uls_f32 18 k_Mode1AssistDD_Uls_f32 19 k_Mode1AssistSlew_UlspS_f32 19 k_Mode1EngTransThresh_Rpm_f32 19 k_Mode2AssistDew_UlspS_f32 19 k_Mode2AssistSlew_UlspS_f32 19 k_Mode2AssistSlew_UlspS_f32 19 k_Mode2VehSpdTransThresh_Kph_f32 19 k_NormalModeAssistSlew_UlspS_f32 19 k_NormalModeCngTransThresh_Kph_f32 19 k_StopMode1HwTqTransThresh_Kph_f32 19 k_StopMode1HwVelTransThresh_HwNm_f32 19 k_StopMode1HwVelTransThresh_HwNm_f32 19 k_StopMode2AssistSlew_UlspS_f32 19 k_StopMode2HwVelTransThresh_HwNm_f32 19 k_StopMode2HwTqTransThresh_HwNm_f32 19 k_StopMode2HwTqTransThresh_HwDegpS_f32 10 10 10 10 10 10 10 10 10 10 10 10 10	et_Rte_Inst_Ap_GMStrtStop 1371 13600704 1379648 251694 251694 2671692 2.41895 742203 5100026 204006 9599 267303 0 202896 382988 189995 337006 645004 102036 290024 410904	
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k_Mode2AssistDD_UIs_f32 0.86 k_Mode2AssistSlew_UIspS_f32 28.4 k_Mode2VehSpdTransThresh_Kph_f32 150. k_NormalModeAssistSlew_UIspS_f32 470. k_NormalModeEngTransThresh_Rpm_f32 3000 k_NormalModeVehSpdTransThresh_Kph_f32 190. k_StopMode1AssistSlew_UIspS_f32 33.3 k_StopMode1HwTrqTransThresh_HwNm_f32 6.51 k_StopMode1HwVeITransThresh_HwDegpS_f32 236. k_StopMode1Timer_Sec_u16 5 k_StopMode1VehSpdTransThresk_Kph_f32 88.4 k_StopMode2AssistSlew_UIspS_f32 90.8 k_StopMode2HwTrqTransThresh_HwNm_f32 5.38 k_StopMode2HwTrqTransThresh_HwDegpS_f32 188. k_StopMode2HwVeITransThresh_HwDegpS_f32 188. k_StopMode2VehSpdTransThresh_Kph_f32 78.9 k_StopMode2SpdTransThresh_Kph_f32 1 k_StopModeAssistDD_UIs_f32 1 target_DtrmnElapsedTime_mS_u32_ElapsedTime 2341 target_GetSystemTime_mS_u32_CurrentTime 6085 target_Rte_Inst_Ap_GMStrtStop.StrtStop_Per1_APAState_State_enum target_Rte_Inst_Ap_GMStrtStop.StrtStop_Per1_HandwheelVelocity_HwRadpS_f32 target_R	5100026 204006 9599 267303 0 202896 382988 189995 337006 645004 102036 290024 410904 806976	
k_Mode2AssistSlew_UlspS_f32 28.4 k_Mode2VehSpdTransThresh_Kph_f32 150. k_NormalModeAssistSlew_UlspS_f32 470. k_NormalModeEngTransThresh_Rpm_f32 3000 k_NormalModeVehSpdTransThresh_Kph_f32 190. k_StopMode1AssistSlew_UlspS_f32 33.3 k_StopMode1HwTrqTransThresh_HwNm_f32 6.51 k_StopMode1HwVelTransThresh_HwDegpS_f32 236. k_StopMode1VehSpdTransThresh_HwDegpS_f32 88.4 k_StopMode2AssistSlew_UlspS_f32 88.4 k_StopMode2HwTrqTransThresh_HwNm_f32 5.38 k_StopMode2HwVelTransThresh_HwDegpS_f32 188. k_StopMode2HwVelTransThresh_Kph_f32 78.9 k_StopMode2YehSpdTransThresh_Kph_f32 78.9 k_StopModeAssistDD_Uls_f32 1 target_DtrmnElapsedTime_mS_u32_ElapsedTime 2341 target_GetSystemTime_mS_u32_CurrentTime 6085 target_Rte_Inst_Ap_GMStrtStop.StrtStop_Per1_APAState_State_enum target_Rte_Inst_Ap_GMStrtStop.StrtStop_Per1_HandwheelVelocity_HwRadpS_f32 target_Rte_Inst_Ap_GMStrtStop.StrtStop_Per1_HandwheelVelocity_HwRadpS_f32 target_Rte_Inst_Ap_GMStrtStop.StrtStop_Per1_HwTorque_HwNm_f32 target_Rte_Inst_Ap_GMStrtStop.StrtStop_Per1_SS12VFault_Cnt_lgc	9599 267303 0 202896 382988 189995 337006 645004 102036 290024 410904 806976	
k_Mode2VehSpdTransThresh_Kph_f32 150. k_NormalModeAssistSlew_UlspS_f32 470. k_NormalModeEngTransThresh_Rpm_f32 3000 k_NormalModeVehSpdTransThresh_Kph_f32 190. k_StopMode1AssistSlew_UlspS_f32 33.3 k_StopMode1HwTrqTransThresh_HwNm_f32 6.51 k_StopMode1HwVelTransThresh_HwDegpS_f32 236. k_StopMode1Timer_Sec_u16 5 k_StopMode1VehSpdTransThres_Kph_f32 88.4 k_StopMode2AssistSlew_UlspS_f32 90.8 k_StopMode2HwTqTransThresh_HwNm_f32 5.38 k_StopMode2HwVelTransThresh_HwDegpS_f32 188. k_StopMode2Timer_Sec_u16 2 k_StopMode2Timer_Sec_u16 2 k_StopMode2VehSpdTransThresh_Kph_f32 78.9 k_StopModeAssistDD_Uls_f32 1 target_DtrmnElapsedTime_mS_u32_ElapsedTime 234 target_GetSystemTime_mS_u32_CurrentTime 608 target_Rte_Inst_Ap_GMStrtStop.StrtStop_Per1_APAState_State_enum target_Rte_Inst_Ap_GMStrtStop.StrtStop_Per1_HandwheelVelocity_HwRadpS_f32 target_Rte_Inst_Ap_GMStrtStop.StrtStop_Per1_HandwheelVelocity_HwRadpS_f32 target_Rte_Inst_Ap_GMStrtStop.StrtStop_Per1_HwTorque_HwNm_f32 target_Rte_Inst_Ap_GMStrtStop.StrtSto	9599 267303 0 202896 382988 189995 337006 645004 102036 290024 410904 806976	
k_NormalModeAssistSlew_UlspS_f32 470. k_NormalModeEngTransThresh_Rpm_f32 3000 k_NormalModeVehSpdTransThresh_Kph_f32 190. k_StopMode1AssistSlew_UlspS_f32 33.3 k_StopMode1HwTrqTransThresh_HwNm_f32 6.51 k_StopMode1TwnsThresh_HwDegpS_f32 236. k_StopMode1TransThres_Kph_f32 88.4 k_StopMode1VehSpdTransThres_Kph_f32 88.4 k_StopMode2AssistSlew_UlspS_f32 90.8 k_StopMode2HwTrqTransThresh_HwNm_f32 5.38 k_StopMode2HwVelTransThresh_HwDegpS_f32 188. k_StopMode2Timer_Sec_u16 2 k_StopMode2Timer_Sec_u16 2 k_StopMode2Timer_Sec_u16 2 k_StopMode2Timer_Sec_u16 1 k_StopModeAssistDD_Uls_f32 1 k_StopModeAssistDD_Uls_f32 1 k_StopModeAssistDD_Uls_f32 1 target_GetSystemTime_mS_u32_CurrentTime 608 target_Rte_Inst_Ap_GMStrtStop.StrtStop_Per1_APAState_State_enum target_Rte_Inst_Ap_GMStrtStop.StrtStop_Per1_HandwheelVelocity_HwRadpS_f32 target_Rte_Inst_Ap_GMStrtStop.StrtStop_Per1_HandwheelVelocity_HwRadpS_f32 target_Rte_Inst_Ap_GMStrtStop.StrtStop_Per1_SS12VFault_Cnt_lgc	267303 202896 382988 189995 337006 645004 102036 290024 410904 806976	
k_NormalModeEngTransThresh_Rpm_f32 3000 k_NormalModeVehSpdTransThresh_Kph_f32 190. k_StopMode1AssistSlew_UlspS_f32 33.3 k_StopMode1HwTrqTransThresh_HwNm_f32 6.51 k_StopMode1HwVelTransThresh_HwDegpS_f32 236. k_StopMode1Timer_Sec_u16 5 k_StopMode2AssistSlew_UlspS_f32 88.4 k_StopMode2HwTrqTransThresh_HwNm_f32 5.38 k_StopMode2HwVelTransThresh_HwDegpS_f32 188. k_StopMode2Timer_Sec_u16 2 k_StopMode2VehSpdTransThresh_Kph_f32 78.9 k_StopModeAssistDD_UIs_f32 1 target_DtrmnElapsedTime_mS_u32_ElapsedTime 2341 target_GetSystemTime_mS_u32_CurrentTime 6085 target_Rte_Inst_Ap_GMStrtStop.StrtStop_Per1_APAState_State_enum target_Rte_Inst_Ap_GMStrtStop.StrtStop_Per1_EngSpd_Rpm_f32 target_Rte_Inst_Ap_GMStrtStop.StrtStop_Per1_HandwheelVelocity_HwRadpS_f32 target_Rte_Inst_Ap_GMStrtStop.StrtStop_Per1_HwTorque_HwNm_f32 target_Rte_Inst_Ap_GMStrtStop.StrtStop_Per1_SS12VFault_Cnt_lgc target_Rte_Inst_Ap_GMStrtStop.StrtStop_Per1_SSScale_Uis_f32 target_Rte_Inst_Ap_GMStrtStop.StrtStop_Per1_SSScale_Uis_f32 target_Rte_Inst_Ap_GMStrtStop.StrtStop_Per1_SSScale_Uis_f32 target_Rte_Inst_Ap_GMStrtStop.StrtStop_Per1_SSScale_Uis_f32 target_Rte_Inst_A	202896 382988 189995 337006 645004 102036 290024 410904	
k_StopMode1AssistSlew_UlspS_f32	382988 189995 337006 645004 102036 290024 410904	
k_StopMode1HwTrqTransThresh_HwNm_f32	189995 337006 645004 102036 290024 410904	
k_StopMode1HwVelTransThresh_HwDegpS_f32 236. k_StopMode1Trimer_Sec_u16 5 k_StopMode1VehSpdTransThres_Kph_f32 88.4 k_StopMode2AssistSlew_UlspS_f32 90.8 k_StopMode2HwTrqTransThresh_HwNm_f32 5.38 k_StopMode2HwVelTransThresh_HwDegpS_f32 188. k_StopMode2Timer_Sec_u16 2 k_StopMode2VehSpdTransThresh_Kph_f32 78.9 k_StopModeAssistDD_Uls_f32 1 target_DtrmnElapsedTime_mS_u32_ElapsedTime 2341 target_GetSystemTime_mS_u32_CurrentTime 6085 target_Rte_Inst_Ap_GMStrtStop.StrtStop_Per1_APAState_State_enum target_Rte_Inst_Ap_GMStrtStop.StrtStop_Per1_EngSpd_Rpm_f32 target_Rte_Inst_Ap_GMStrtStop.StrtStop_Per1_HandwheelVelocity_HwRadpS_f32 target_Rte_Inst_Ap_GMStrtStop.StrtStop_Per1_HwTorque_HwNm_f32 target_Rte_Inst_Ap_GMStrtStop.StrtStop_Per1_SS12VFault_Cnt_lgc target_Rte_Inst_Ap_GMStrtStop.StrtStop_Per1_SSScale_Uls_f32 target_Rte_Inst_Ap_GMStrtStop.StrtStop_Per1_SSScale_Uls_f32 target_Rte_Inst_Ap_GMStrtStop.StrtStop_Per1_SSScale_Uls_f32 target_Rte_Inst_Ap_GMStrtStop.StrtStop_Per1_SSScale_Uls_f32 target_Rte_Inst_Ap_GMStrtStop.StrtStop_Per1_SSScale_Uls_f32 target_Rte_Inst_Ap_GMStrtStop_StrtStop_Per1_SSScale_Uls_f32 target_Rte_Inst_Ap_GMStrtStop_StrtStop_StrtStop_Per1_SSScale_Uls_f32 target_Rte_Inst_Ap_GMStrtStop_StrtStop_StrtStop_StrtStop	337006 645004 102036 290024 410904 806976	
k_StopMode1Timer_Sec_u16 5 k_StopMode1VehSpdTransThres_Kph_f32 88.4 k_StopMode2AssistSlew_UlspS_f32 90.8 k_StopMode2HwTrqTransThresh_HwNm_f32 5.38 k_StopMode2HwVelTransThresh_HwDegpS_f32 188. k_StopMode2VehSpdTransThresh_Kph_f32 78.9 k_StopModeAssistDD_Uls_f32 1 target_DtrmnElapsedTime_mS_u32_ElapsedTime 2341 target_GetSystemTime_mS_u32_CurrentTime 6085 target_Rte_Inst_Ap_GMStrtStop.StrtStop_Per1_APAState_State_enum target_arget_Rte_Inst_Ap_GMStrtStop.StrtStop_Per1_EngSpd_Rpm_f32 target_arget_Rte_Inst_Ap_GMStrtStop.StrtStop_Per1_HandwheelVelocity_HwRadpS_f32 target_arget_Rte_Inst_Ap_GMStrtStop.StrtStop_Per1_HwTorque_HwNm_f32 target_arget_Rte_Inst_Ap_GMStrtStop.StrtStop_Per1_SS12VFault_Cnt_lgc target_arget_Rte_Inst_Ap_GMStrtStop.StrtStop_Per1_SSScale_Uls_f32 target_arget_Rte_Inst_Ap_GMStrtStop.StrtStop_Per1_SSScale_Uls_f32 target_arget_Rte_Inst_Ap_GMStrtStop.StrtStop_Per1_SSScale_Uls_f32	645004 102036 290024 410904 806976	
k_StopMode1VehSpdTransThres_Kph_f32 88.4 k_StopMode2AssistSlew_UlspS_f32 90.8 k_StopMode2HwTrqTransThresh_HwNm_f32 5.38 k_StopMode2HwVelTransThresh_HwDegpS_f32 188. k_StopMode2VehSpdTransThresh_Kph_f32 78.9 k_StopModeAssistDD_Uls_f32 1 target_DtrmnElapsedTime_mS_u32_ElapsedTime 2341 target_GetSystemTime_mS_u32_CurrentTime 6085 target_Rte_Inst_Ap_GMStrtStop.StrtStop_Per1_APAState_State_enum target_Rte_Inst_Ap_GMStrtStop.StrtStop_Per1_EngSpd_Rpm_f32 target_Rte_Inst_Ap_GMStrtStop.StrtStop_Per1_HandwheelVelocity_HwRadpS_f32 target_Rte_Inst_Ap_GMStrtStop.StrtStop_Per1_HwTorque_HwNm_f32 target_Rte_Inst_Ap_GMStrtStop.StrtStop_Per1_SS12VFault_Cnt_lgc target_Rte_Inst_Ap_GMStrtStop.StrtStop_Per1_SSScale_Uls_f32 target_Rte_Inst_Ap_GMStrtStop.StrtStop_Per1_SSScale_Uls_f32	102036 290024 410904 806976	
k_StopMode2AssistSlew_UlspS_f32 90.8 k_StopMode2HwTrqTransThresh_HwNm_f32 5.38 k_StopMode2HwVelTransThresh_HwDegpS_f32 188. k_StopMode2VehSpdTransThresh_Kph_f32 78.9 k_StopMode2VehSpdTransThresh_Kph_f32 78.9 k_StopModeAssistDD_Uls_f32 1 target_DtrmnElapsedTime_mS_u32_ElapsedTime 2341 target_GetSystemTime_mS_u32_CurrentTime 6085 target_Rte_Inst_Ap_GMStrtStop.StrtStop_Per1_APAState_State_enum 14.0 target_Rte_Inst_Ap_GMStrtStop.StrtStop_Per1_EngSpd_Rpm_f32 14.0 target_Rte_Inst_Ap_GMStrtStop.StrtStop_Per1_HandwheelVelocity_HwRadpS_f32 14.0 target_Rte_Inst_Ap_GMStrtStop.StrtStop_Per1_HwTorque_HwNm_f32 14.0 target_Rte_Inst_Ap_GMStrtStop.StrtStop_Per1_SS12VFault_Cnt_lgc 14.0 target_Rte_Inst_Ap_GMStrtStop.StrtStop_Per1_SSScale_Uls_f32 14.0 target_Rte_Inst_Ap_GMStrtStop_Per1_SSTatStop_Per1_SSTatStop_Per1_SSTa	102036 290024 410904 806976	
k_StopMode2HwTrqTransThresh_HwNm_f32	290024 410904 806976	
k_StopMode2HwVelTransThresh_HwDegpS_f32 k_StopMode2Timer_Sec_u16 k_StopMode2VehSpdTransThresh_Kph_f32 k_StopModeAssistDD_Uls_f32 target_DtrmnElapsedTime_mS_u32_ElapsedTime target_GetSystemTime_mS_u32_CurrentTime target_Rte_Inst_Ap_GMStrtStop.StrtStop_Per1_APAState_State_enum target_Rte_Inst_Ap_GMStrtStop.StrtStop_Per1_EngSpd_Rpm_f32 target_Rte_Inst_Ap_GMStrtStop.StrtStop_Per1_HandwheelVelocity_HwRadpS_f32 target_Rte_Inst_Ap_GMStrtStop.StrtStop_Per1_HwTorque_HwNm_f32 target_Rte_Inst_Ap_GMStrtStop.StrtStop_Per1_SS12VFault_Cnt_lgc target_Rte_Inst_Ap_GMStrtStop.StrtStop_Per1_SSScale_Uls_f32 target_Rte_Inst_Ap_GMStrtStop.StrtStop_Per1_SSScale_Uls_f32	410904 806976 00	
k_StopMode2Timer_Sec_u16 k_StopMode2VehSpdTransThresh_Kph_f32 k_StopModeAssistDD_Uls_f32 target_DtrmnElapsedTime_mS_u32_ElapsedTime 2341 target_GetSystemTime_mS_u32_CurrentTime target_Rte_Inst_Ap_GMStrtStop.StrtStop_Per1_APAState_State_enum target_Rte_Inst_Ap_GMStrtStop.StrtStop_Per1_EngSpd_Rpm_f32 target_Rte_Inst_Ap_GMStrtStop.StrtStop_Per1_HandwheelVelocity_HwRadpS_f32 target_Rte_Inst_Ap_GMStrtStop.StrtStop_Per1_HwTorque_HwNm_f32 target_Rte_Inst_Ap_GMStrtStop.StrtStop_Per1_SS12VFault_Cnt_lgc target_Rte_Inst_Ap_GMStrtStop.StrtStop_Per1_SS12VFault_Cnt_lgc target_Rte_Inst_Ap_GMStrtStop.StrtStop_Per1_SSScale_Uls_f32 target_Rte_Inst_Ap_GMStrtStop.StrtStop_Per1_SSScale_Uls_f32	806976	
k_StopMode2VehSpdTransThresh_Kph_f32	00	
k_StopModeAssistDD_UIs_f32 1 target_DtrmnElapsedTime_mS_u32_ElapsedTime 2341 target_GetSystemTime_mS_u32_CurrentTime 6085 target_Rte_Inst_Ap_GMStrtStop.StrtStop_Per1_APAState_State_enum target_Rte_Inst_Ap_GMStrtStop.StrtStop_Per1_EngSpd_Rpm_f32 target_Rte_Inst_Ap_GMStrtStop.StrtStop_Per1_HandwheelVelocity_HwRadpS_f32 target_Rte_Inst_Ap_GMStrtStop.StrtStop_Per1_HwTorque_HwNm_f32 target_Rte_Inst_Ap_GMStrtStop.StrtStop_Per1_SS12VFault_Cnt_lgc target_Rte_Inst_Ap_GMStrtStop.StrtStop_Per1_SS12VFault_Cnt_lgc target_Rte_Inst_Ap_GMStrtStop.StrtStop_Per1_SSScale_Uis_f32 target_Rte_Inst_Ap_GMStrtStop.StrtStop_Per1_SSScale_Uis_f32	00	
target_DtrmnElapsedTime_mS_u32_ElapsedTime 2341 target_GetSystemTime_mS_u32_CurrentTime 6088 target_Rte_Inst_Ap_GMStrtStop.StrtStop_Per1_APAState_State_enum target_Rte_Inst_Ap_GMStrtStop.StrtStop_Per1_EngSpd_Rpm_f32 target_Rte_Inst_Ap_GMStrtStop.StrtStop_Per1_HandwheelVelocity_HwRadpS_f32 target_Rte_Inst_Ap_GMStrtStop.StrtStop_Per1_HwTorque_HwNm_f32 target_Rte_Inst_Ap_GMStrtStop.StrtStop_Per1_SS12VFault_Cnt_lgc target_Rte_Inst_Ap_GMStrtStop.StrtStop_Per1_SS12VFault_Cnt_lgc target_Rte_Inst_Ap_GMStrtStop.StrtStop_Per1_SSScale_Uis_f32 target_Rte_Inst_Ap_GMStrtStop.StrtStop_Per1_SSScale_Uis_f32		
target_GetSystemTime_mS_u32_CurrentTime 6088 target_Rte_Inst_Ap_GMStrtStop_StrtStop_Per1_APAState_State_enum target_Rte_Inst_Ap_GMStrtStop.StrtStop_Per1_EngSpd_Rpm_f32 target_Rte_Inst_Ap_GMStrtStop.StrtStop_Per1_HandwheelVelocity_HwRadpS_f32 target_Rte_Inst_Ap_GMStrtStop.StrtStop_Per1_HwTorque_HwNm_f32 target_Rte_Inst_Ap_GMStrtStop.StrtStop_Per1_SS12VFault_Cnt_lgc target_Rte_Inst_Ap_GMStrtStop.StrtStop_Per1_SS12VFault_Cnt_lgc target_Rte_Inst_Ap_GMStrtStop.StrtStop_Per1_SSScale_Uis_f32 target_Rte_Inst_Ap_GMStrtStop.StrtStop_Per1_SSScale_Uis_f32		
target_Rte_Inst_Ap_GMStrtStop.StrtStop_Per1_APAState_State_enum target_Rte_Inst_Ap_GMStrtStop.StrtStop_Per1_EngSpd_Rpm_f32 target_Rte_Inst_Ap_GMStrtStop.StrtStop_Per1_HandwheelVelocity_HwRadpS_f32 target_Rte_Inst_Ap_GMStrtStop.StrtStop_Per1_HwTorque_HwNm_f32 target_Rte_Inst_Ap_GMStrtStop.StrtStop_Per1_SS12VFault_Cnt_lgc target_Rte_Inst_Ap_GMStrtStop.StrtStop_Per1_SSScale_Uls_f32 target_Rte_Inst_Ap_GMStrtStop.StrtStop_Per1_SSScale_Uls_f32	50	
target_Rte_Inst_Ap_GMStrtStop.StrtStop_Per1_EngSpd_Rpm_f32 target_Rte_Inst_Ap_GMStrtStop.StrtStop_Per1_HandwheelVelocity_HwRadpS_f32 target_Rte_Inst_Ap_GMStrtStop.StrtStop_Per1_HwTorque_HwNm_f32 target_Rte_Inst_Ap_GMStrtStop.StrtStop_Per1_SS12VFault_Cnt_lgc target_Rte_Inst_Ap_GMStrtStop.StrtStop_Per1_SSScale_Uls_f32 target_Rte_Inst_Ap_GMStrtStop.StrtStop_Per1_SSScale_Uls_f32		
target_Rte_Inst_Ap_GMStrtStop.StrtStop_Per1_HandwheelVelocity_HwRadpS_f32 target_Rte_Inst_Ap_GMStrtStop.StrtStop_Per1_HwTorque_HwNm_f32 target_Rte_Inst_Ap_GMStrtStop.StrtStop_Per1_SS12VFault_Cnt_lgc target_Rte_Inst_Ap_GMStrtStop.StrtStop_Per1_SSScale_Uls_f32 target_Rte_Inst_Ap_GMStrtStop_StrtStop_Per1_SSScale_Uls_f32	et_StrtStop_Per1_APAState_State_enum	n
target_Rte_Inst_Ap_GMStrtStop.StrtStop_Per1_HwTorque_HwNm_f32 target_Rte_Inst_Ap_GMStrtStop.StrtStop_Per1_SS12VFault_Cnt_lgc target_Rte_Inst_Ap_GMStrtStop_StrtStop_Per1_SSScale_Uls_f32 target_Rte_Inst_Ap_GMStrtStop_StrtStop_Per1_SSScale_Uls_f32	et_StrtStop_Per1_EngSpd_Rpm_f32	
target_Rte_Inst_Ap_GMStrtStop.StrtStop_Per1_SS12VFault_Cnt_lgc target_Rte_Inst_Ap_GMStrtStop_StrtStop_Per1_SSScale_Uls_f32 target_Rte_Inst_Ap_GMStrtStop_StrtStop_Per1_SSScale_Uls_f32	et_StrtStop_Per1_HandwheelVelocity_Hv	wRadpS_f32
target_Rte_Inst_Ap_GMStrtStop.StrtStop_Per1_SSScale_Uls_f32 target_	et_StrtStop_Per1_HwTorque_HwNm_f32	2
	et_StrtStop_Per1_SS12VFault_Cnt_lgc	
target Pte Inst An GMStrtSton StrtSton Per1 SSSIew Illans f32	et_StrtStop_Per1_SSScale_Uls_f32	
target_rtte_inst_Ap_eniotitotop.outotop_reni_eooolew_orspo_102	et_StrtStop_Per1_SSSlew_UlspS_f32	
	et_StrtStop_Per1_SSState_State_enum	
	et_StrtStop_Per1_VehicleSpeed_Kph_f32	32
target_StrtStop_Per1_APAState_State_enum.value 0		
0 = 1 = 0 1 = 1 =	55.1816	
	382996	
·	1239977	
target_StrtStop_Per1_SS12VFault_Cnt_lgc.value 0		
target_StrtStop_Per1_VehicleSpeed_Kph_f32.value 57.0	004005	
Name Acti	ual Value	Expected Value Re
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 2982	2600704	2982600704
StrtStop_StopModeTimer2_mS_M_u32 5563	379648	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

Test Step Call Trace				V
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 2.49 (Repeat Count = 1) Name	Input Value		
	target_DtrmnElapsedTime_mS_u32_Elapse	edTime	
	target_GetSystemTime_mS_u32_CurrentTin		
	target Rte Inst Ap GMStrtStop		
	1		
	375.827209		
	3		
	1		
	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_UIs_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_UIs_f32	0.331200004		
target_DtrmnElapsedTime_mS_u32_ElapsedTime	0		
target_GetSystemTime_mS_u32_CurrentTime	100		
target_Rte_Inst_Ap_GMStrtStop.StrtStop_Per1_APAState_State_enum	target_StrtStop_Per1_APAState_State_enu	m	
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_F	lwRadpS_f32	
	target_StrtStop_Per1_HwTorque_HwNm_f3	2	
target_Rte_Inst_Ap_GMStrtStop.StrtStop_Per1_SS12VFault_Cnt_lgc	target_StrtStop_Per1_SS12VFault_Cnt_lgc		
	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_StrtStop_Per1_VehicleSpeed_Kph_f	32	
0 _ 1	3		
0 = 1 = 0 1 = 1 =	9644.53223		
target_StrtStop_Per1_HandwheelVelocity_HwRadpS_f32.value	12.0577002		
target_StrtStop_Per1_HwTorque_HwNm_f32.value	-5.69399977		
3.2	0		
target_StrtStop_Per1_VehicleSpeed_Kph_f32.value	124.238197		
Name	Actual Value	Expected Value	Resul
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	•

Test Step Call Trace				V
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 2.50 (Repeat Count = 1)	Immed Value		
Name	Input Value		
DtrmnElapsedTime_mS_u32(ElapsedTime)	target_DtrmnElapsedTime_mS_u32_Elapse		
GetSystemTime_mS_u32(CurrentTime)	target_GetSystemTime_mS_u32_CurrentTime		
Rte_Inst_Ap_GMStrtStop	target_Rte_Inst_Ap_GMStrtStop		
StrtStop_SSScale_UIs_M_f32	0.58920002		
StrtStop_SSSlewRatePrev_UlspS_M_f32	427.796295		
StrtStop_StOpModePrev_Cnt_M_enum	0 4		
StrtStop_StOpModePrev_Cnt_M_enum StrtStop_StOpMode Cnt M enum	1		
StrtStop StopModeTimer1 mS M u32	1720474112		
StrtStop_StopModeTimer2_mS_M_u32	884316160		
k AlgEnable Cnt Igc	1		
k_FitRspRampDnRt_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_UIs_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 UIs f32	0.492900014		
target_DtrmnElapsedTime_mS_u32_ElapsedTime	0		
target_GetSystemTime_mS_u32_CurrentTime	200		
target Rte Inst Ap GMStrtStop.StrtStop Per1 APAState State enum	target StrtStop Per1 APAState State enui	m	
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		lwRadpS f32	
target_Rte_Inst_Ap_GMStrtStop_StrtStop_Per1_HwTorque_HwNm_f32	target_StrtStop_Per1_HwTorque_HwNm_f3	· -	
target_Rte_Inst_Ap_GMStrtStop.StrtStop_Per1_SS12VFault_Cnt_lgc	target StrtStop Per1 SS12VFault Cnt lgc		
target Rte Inst Ap GMStrtStop.StrtStop Per1 SSScale UIs 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_f3		
target_StrtStop_Per1_APAState_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	Resul
StrtStop SSScale Uls M f32	0.58920002	0.58920002	Resul
StrtStop_SSScale_UIs_M_i32 StrtStop_SSSlewRatePrev_UIspS_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	
	884316160	884316160	
StrtStop_StopModeTimer2_mS_M_u32			
target_StrtStop_Per1_SSScale_Uls_f32.value target_StrtStop_Per1_SSSlew_UlspS_f32.value	0.58920002 398.398407	0.58920002 ± 0.0001 398.398407 ± 0.1	
	J3U.J304U/		

Test Step Call Trace				V
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 2.51 (Repeat Count = 1)	Innut Value		
Name	Input Value		
DtrmnElapsedTime_mS_u32(ElapsedTime)	target_DtrmnElapsedTime_mS_u32_Elaps		
GetSystemTime_mS_u32(CurrentTime)	target_GetSystemTime_mS_u32_CurrentT	ime	
Rte_Inst_Ap_GMStrtStop StrtStop SSScale Uls M f32	target_Rte_Inst_Ap_GMStrtStop 0.842299998		
StrtStop_SSSlewRatePrev_UlspS_M_f32	128.289703		
StrtStop_StOpModePrevPrev_Cnt_M_enum	1		
	2		
StrtStop_StOpModePrev_Cnt_M_enum StrtStop_StOpMode_Cnt_M_enum	1		
StrtStop_StopModeTimer1_mS_M_u32	3387012352		
StrtStop StopModeTimer2 mS M u32	2581461760		
k AlgEnable Cnt lgc	1		
k_FitRspRampDnRt_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_UIs_f32	1		
target_DtrmnElapsedTime_mS_u32_ElapsedTime	0		
target_GetSystemTime_mS_u32_CurrentTime	300		
target_Rte_Inst_Ap_GMStrtStop.StrtStop_Per1_APAState_State_enum	target_StrtStop_Per1_APAState_State_en	ım	
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_f		
target_Rte_Inst_Ap_GMStrtStop.StrtStop_Per1_SS12VFault_Cnt_lgc	target_StrtStop_Per1_SS12VFault_Cnt_lgd	:	
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_enur		
target_Rte_Inst_Ap_GMStrtStop_StrtStop_Per1_VehicleSpeed_Kph_f32	target_StrtStop_Per1_VehicleSpeed_Kph_	f32	
target_StrtStop_Per1_APAState_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	Resu
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 target_StrtStop_Per1_SSSlew_UlspS_f32.value	0.842299998 368.490204	0.842299998 ± 0.0001 368.490204 ± 0.1	

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	V





Test Step 2.52 (Repeat Count = 1) Name	Input Value		
DtrmnElapsedTime mS u32(ElapsedTime)	target_DtrmnElapsedTime_mS_u32_Elapsed	dTime	
GetSystemTime_mS_u32(CurrentTime)	target_GetSystemTime_mS_u32_CurrentTin		
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_UIs_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_StopMode1VehSpdTransThres_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_UIs_f32	0.0165999997		
target_DtrmnElapsedTime_mS_u32_ElapsedTime	1		
target_GetSystemTime_mS_u32_CurrentTime	66250		
target_Rte_Inst_Ap_GMStrtStop_StrtStop_Per1_APAState_State_enum	target_StrtStop_Per1_APAState_State_enur	n	
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_Rte_Inst_Ap_GMStrtStop.StrtStop_Per1_HwTorque_HwNm_f32	target_StrtStop_Per1_HwTorque_HwNm_f32	2	
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_f3	32	
target_StrtStop_Per1_APAState_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	1=	12
Name	Actual Value	Expected Value	Resul
StrtStop_SSScale_Uls_M_f32	1	1	
	374.904602	374.904602 ± 0.1	· · · · · · ·
StrtStop_SSSlewRatePrev_UlspS_M_f32			
StrtStop_StOpModePrevPrev_Cnt_M_enum	2	2	
StrtStop_StOpModePrevPrev_Cnt_M_enum StrtStop_StOpModePrev_Cnt_M_enum	1	1	•
StrtStop_StOpModePrevPrev_Cnt_M_enum StrtStop_StOpModePrev_Cnt_M_enum StrtStop_StOpMode_Cnt_M_enum	1 1	1	•
StrtStop_StOpModePrevPrev_Cnt_M_enum StrtStop_StOpModePrev_Cnt_M_enum StrtStop_StOpMode_Cnt_M_enum StrtStop_StOpMode_Cnt_M_enum	2 1 1 990749696	1 1 990749696	
StrtStop_StOpModePrevPrev_Cnt_M_enum StrtStop_StOpModePrev_Cnt_M_enum StrtStop_StOpMode_Cnt_M_enum StrtStop_StopModeTimer1_mS_M_u32 StrtStop_StopModeTimer2_mS_M_u32	2 1 1 990749696 4222669312	1 1 990749696 4222669312	•
StrtStop_StOpModePrevPrev_Cnt_M_enum StrtStop_StOpModePrev_Cnt_M_enum StrtStop_StOpMode_Cnt_M_enum StrtStop_StopModeTimer1_mS_M_u32 StrtStop_StopModeTimer2_mS_M_u32 target_StrtStop_Per1_SSScale_Uls_f32.value	2 1 1 990749696 4222669312	1 1 990749696 4222669312 1 ± 0.0001	
StrtStop_StOpModePrevPrev_Cnt_M_enum StrtStop_StOpModePrev_Cnt_M_enum StrtStop_StOpMode_Cnt_M_enum StrtStop_StopModeTimer1_mS_M_u32 StrtStop_StopModeTimer2_mS_M_u32	2 1 1 990749696 4222669312	1 1 990749696 4222669312	•

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 2.53 (Repeat Count = 1) Name	Input Value		
	target DtrmnElapsedTime mS u32 Elapse	dTime	
, , ,	target_GetSystemTime_mS_u32_CurrentTir		
	target_Rte_Inst_Ap_GMStrtStop		
	0.00779999979		
	434.91391		
	5		
	1		
	1		
1	3322271488		
	1381256448		
	1		
	449.060303		
	0.930499971		
	12.0993004		
	3953.05884		
	193.946198		
	1		
	494.82309 32.8107986		
	154.384003		
	5540.24268		
	199.279999		
	219.202606		
	4.63780022		
	250		
	1		
	75.1856003		
	393.072205		
	6.16919994		
k_StopMode2HwVelTransThresh_HwDegpS_f32	30.1289997		
k_StopMode2Timer_Sec_u16	4		
	103.8918		
2.07	1		
target_DtrmnElapsedTime_mS_u32_ElapsedTime	2		
target_GetSystemTime_mS_u32_CurrentTime	67600		
target_Rte_Inst_Ap_GMStrtStop_StrtStop_Per1_APAState_State_enum	target_StrtStop_Per1_APAState_State_enur	n	
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_H	wRadpS_f32	
target_Rte_Inst_Ap_GMStrtStop_StrtStop_Per1_HwTorque_HwNm_f32	target_StrtStop_Per1_HwTorque_HwNm_f3	2	
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_f3	32	
target_StrtStop_Per1_APAState_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		
	1.5		
	Actual Value	Expected Value	Resul
	0.00779999979	0.00779999979	11000
1	1	1 ± 0.1	
	5	5	
	1	1	
	1	1	
StrtStop_StOpiwode_Crit_in_enum			
StrtStop StopModoTimor1 mS M u22	3322271488	3322271488	
		4004050440	
StrtStop_StopModeTimer2_mS_M_u32	1381256448	1381256448	
StrtStop_StopModeTimer2_mS_M_u32 target_StrtStop_Per1_SSScale_Uls_f32.value		1381256448 0.00779999979 ± 0.0001 1 ± 0.1	

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 2.54 (Repeat Count = 1) Name	Input Value		
DtrmnElapsedTime mS u32(ElapsedTime)	target_DtrmnElapsedTime_mS_u32_Elapse	ndTime	
GetSystemTime_mS_u32(CurrentTime)	target_GetSystemTime_mS_u32_CurrentTi		
Rte_Inst_Ap_GMStrtStop	target_Rte_Inst_Ap_GMStrtStop	THE CONTRACTOR OF THE CONTRACT	
	1		
StrtStop SSSIewRatePrev UlspS M f32	430.180206		
	5		
	5		
StrtStop_StOpMode_Cnt_M_enum	1		
	2041134592		
StrtStop_StopModeTimer2_mS_M_u32	1242946560		
k AlgEnable Cnt lgc	1		
k_FltRspRampDnRt_UlspS_f32	415.990112		
_ , , , _	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_UIspS_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_APAState_State_enum	target_StrtStop_Per1_APAState_State_enu	m	
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_H	lwRadpS_f32	
target_Rte_Inst_Ap_GMStrtStop_StrtStop_Per1_HwTorque_HwNm_f32	target_StrtStop_Per1_HwTorque_HwNm_f3	2	
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_f	32	
target_StrtStop_Per1_APAState_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	Resul
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	

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 2.55 (Repeat Count = 1) Name	Input Value		
DtrmnElapsedTime mS u32(ElapsedTime)	target_DtrmnElapsedTime_mS_u32_Elapse	dTime	
GetSystemTime_mS_u32(CurrentTime)	target_GetSystemTime_mS_u32_CurrentTir		
Rte_Inst_Ap_GMStrtStop	target Rte Inst Ap GMStrtStop		
	1		
	208.3311		
	2		
	0		
StrtStop_StOpMode_Cnt_M_enum	1		
	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_UIs_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_UIs_f32	0.419		
target_DtrmnElapsedTime_mS_u32_ElapsedTime	270150		
target_GetSystemTime_mS_u32_CurrentTime	70300		
target_Rte_Inst_Ap_GMStrtStop_StrtStop_Per1_APAState_State_enum	target_StrtStop_Per1_APAState_State_enui	m	
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_F	lwRadpS_f32	
target_Rte_Inst_Ap_GMStrtStop.StrtStop_Per1_HwTorque_HwNm_f32	target_StrtStop_Per1_HwTorque_HwNm_f3	2	
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_f3	32	
target_StrtStop_Per1_APAState_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	Resul
StrtStop_SSScale_Uls_M_f32	1	1	•
StrtStop_SSSlewRatePrev_UlspS_M_f32	244.007095	244.007095 ± 0.1	•
	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	

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 2.56 (Repeat Count = 1)	Innut Value		
Name	Input Value	.—	
DtrmnElapsedTime_mS_u32(ElapsedTime)	target_DtrmnElapsedTime_mS_u32_Elapse		
GetSystemTime_mS_u32(CurrentTime)	target_GetSystemTime_mS_u32_CurrentTi	пе	
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	1		
StrtStop_StopMode_Cnt_M_enum			
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_UIs_f32	0.472499996		
k_Mode1AssistSlew_UlspS_f32	33.7519989		
k_Mode1EngTransThresh_Rpm_f32	10512.6104		
k_Mode1VehSpdTransThresh_Kph_f32	94.392601		
k_Mode2AssistDD_UIs_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_UIs_f32	0.646099985		
target_DtrmnElapsedTime_mS_u32_ElapsedTime	275300		
target_GetSystemTime_mS_u32_CurrentTime	71650		
target_Rte_Inst_Ap_GMStrtStop_StrtStop_Per1_APAState_State_enum	target_StrtStop_Per1_APAState_State_enu	m	
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 H	lwRadpS f32	
target_Rte_Inst_Ap_GMStrtStop.StrtStop_Per1_HwTorque_HwNm_f32	target StrtStop Per1 HwTorque HwNm f3	2	
target Rte Inst Ap GMStrtStop.StrtStop Per1 SS12VFault Cnt Igc	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_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_f		
target_StrtStop_Per1_APAState_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 Igc.value	0		
target_StrtStop_Per1_VehicleSpeed_Kph_f32.value	5.36000013	1=	1_
Name	Actual Value	Expected Value	Resul
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	
	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 2.57 (Repeat Count = 1) Name	Input Value		
	target_DtrmnElapsedTime_mS_u32_Elapse	dTime	
	target_GetSystemTime_mS_u32_CurrentTir		
	target_Rte_Inst_Ap_GMStrtStop		
	1		
	95.0313034		
	3		
	3		
	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_UIs_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_UIs_f32	0.112199999		
target_DtrmnElapsedTime_mS_u32_ElapsedTime	280450		
target_GetSystemTime_mS_u32_CurrentTime	73000		
target_Rte_Inst_Ap_GMStrtStop.StrtStop_Per1_APAState_State_enum	target_StrtStop_Per1_APAState_State_enui	m	
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_F	lwRadpS_f32	
target_Rte_Inst_Ap_GMStrtStop.StrtStop_Per1_HwTorque_HwNm_f32	target_StrtStop_Per1_HwTorque_HwNm_f3	2	
target_Rte_Inst_Ap_GMStrtStop.StrtStop_Per1_SS12VFault_Cnt_lgc	target_StrtStop_Per1_SS12VFault_Cnt_lgc		
	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_f3	32	
3-2	0		
•	66.2399979		
3-2	0		
3.5	-3.9368999		
3,57,111,11	0		
target_StrtStop_Per1_VehicleSpeed_Kph_f32.value	6.23999977		
Name	Actual Value	Expected Value	Resul
StrtStop_SSScale_Uls_M_f32	1	1	•
StrtStop_SSSlewRatePrev_UlspS_M_f32	444.044098	444.044098 ± 0.1	•
	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	•

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	V





Test Step 2.58 (Repeat Count = 1) Name	Input Value		
	•	FlancadTime	
DtrmnElapsedTime_mS_u32(ElapsedTime) CetSustemTime_mS_u32(CurrentTime)	target_DtrmnElapsedTime_mS_u32_		
GetSystemTime_mS_u32(CurrentTime)	target_GetSystemTime_mS_u32_Cu	intentrime	
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		
	25.4627991		
k_StopMode1HwVelTransThresh_HwDegpS_f32			
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_APAState_State_enum	target_StrtStop_Per1_APAState_Sta	ite_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 HandwheelVe	locity HwRadpS f32	
target Rte Inst Ap GMStrtStop.StrtStop Per1 HwTorque HwNm f32	target_StrtStop_Per1_HwTorque_Hv	vNm f32	
target_Rte_Inst_Ap_GMStrtStop_StrtStop_Per1_SS12VFault_Cnt_lgc	target_StrtStop_Per1_SS12VFault_0		
target Rte Inst Ap GMStrtStop.StrtStop Per1 SSScale Uls f32	target StrtStop Per1 SSScale Uls		
target Rte Inst Ap GMStrtStop.StrtStop Per1 SSSIew UlspS f32	target_StrtStop_Per1_SSSlew_Ulspt		
target Rte Inst Ap GMStrtStop.StrtStop Per1 SSState State enum	target StrtStop Per1 SSState State	_	
· · - ·		_	
target_Rte_Inst_Ap_GMStrtStop.StrtStop_Per1_VehicleSpeed_Kph_f32	target_StrtStop_Per1_VehicleSpeed	_ημι_ιο2	
target_StrtStop_Per1_APAState_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	Res
StrtStop SSScale Uls M f32	0	0	
StrtStop SSSIewRatePrev UlspS M f32	140.441895	140.441895 ± 0.1	
StrtStop_StOpModePrevPrev_Cnt_M_enum	3	3	
StrtStop StOpModePrev Cnt M enum	2	2	
StrStop_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	
	1		
target_StrtStop_Per1_SSSlew_UlspS_f32.value	140.441895	140.441895 ± 0.1	

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	✓

target_StrtStop_Per1_SSState_State_enum.value





Test Step 2.59 (Repeat Count = 1) Name	Input Value		
DtrmnElapsedTime_mS_u32(ElapsedTime)	target_DtrmnElapsedTime_mS_u32_Elaps	edTime	
GetSystemTime_mS_u32(CurrentTime)	target_GetSystemTime_mS_u32_CurrentT		
Rte_Inst_Ap_GMStrtStop	target Rte Inst Ap GMStrtStop		
StrtStop_SSScale_UIs_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_UIs_f32	1		
target_DtrmnElapsedTime_mS_u32_ElapsedTime	290750		
target_GetSystemTime_mS_u32_CurrentTime	75700		
target_Rte_Inst_Ap_GMStrtStop_StrtStop_Per1_APAState_State_enum	target_StrtStop_Per1_APAState_State_enu	ım	
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_Rte_Inst_Ap_GMStrtStop_StrtStop_Per1_HwTorque_HwNm_f32	target_StrtStop_Per1_HwTorque_HwNm_f		
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_enur		
target_Rte_Inst_Ap_GMStrtStop.StrtStop_Per1_VehicleSpeed_Kph_f32	target_StrtStop_Per1_VehicleSpeed_Kph_	f32	
target_StrtStop_Per1_APAState_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	Resu
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	
	1	1 ± 0.0001	
target_StrtStop_Per1_SSScale_UIs_f32.value target_StrtStop_Per1_SSSlew_UIspS_f32.value	436.272491	436.272491 ± 0.1	

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 2.60 (Repeat Count = 1) Name	Input Value		
DtrmnElapsedTime_mS_u32(ElapsedTime)	target_DtrmnElapsedTime_mS_u32_Elapse	dTime	
GetSystemTime_mS_u32(CurrentTime)	target_GetSystemTime_mS_u32_CurrentTin		
Rte_Inst_Ap_GMStrtStop	target Rte Inst Ap GMStrtStop		
StrtStop_SSScale_Uls_M_f32	1		
StrtStop_SSSIewRatePrev_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_APAState_State_enum	target_StrtStop_Per1_APAState_State_enu	m	
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_Rte_Inst_Ap_GMStrtStop.StrtStop_Per1_HwTorque_HwNm_f32	target_StrtStop_Per1_HwTorque_HwNm_f3	2	
target_Rte_Inst_Ap_GMStrtStop.StrtStop_Per1_SS12VFault_Cnt_Igc	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_SSSIew_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_f3	32	
target_StrtStop_Per1_APAState_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	From a stand Made	
Name	Actual Value	Expected Value	Resu
StrtStop_SSScale_UIs_M_f32	0.00109999999	0.00109999999	
StrtStop_SSSIewRatePrev_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	
	0.0040000000		
target_StrtStop_Per1_SSScale_UIs_f32.value target_StrtStop_Per1_SSSlew_UIspS_f32.value	0.00109999999 397.794098	0.00109999999 ± 0.0001 397.794098 ± 0.1	

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	•





Name	sep 2.61 (Repeat Count = 1)	Input Value		
Cell-Sylvent Time_ms_iii.20/CurrentTime tesper_Rel_ms_iii.20, CurrentTime tespe_Rel_ms_iii.20, CurrentTime t	poodTime_mS_u22(ElapsodTime)	•	anadTima	
Risp Inst Ap CMSHTStop				
SIRSIDE_SSSeale_UB_M_102			Hittille	
SIRSIDO, SISSIMPARIPPW, URSS, M. 122 SIRSIDO, SISSIMPARIPPW, URSS, M. 124 SIRSIDO, SIO, Michael Prevention M. grum 1				
SIRSINGS, DIONADER PROFUNC FLM anum 1 1 1 1 1 1 1 1 1				
SIRSINDS DICAMOREPRO, CM. M. enum 2 SIRSINDS DICAMORE Finent _ M. M. LUS SIRSINDS DICAMORE LUSIS _ M. LUS SIRSINDS DICAMORE LUS SIRSINDS SIRSINDS SIRSINDS DICAMORE LUS SIRSINDS SIRSINDS SIRSINDS DICE _ M. LUS SIRSINDS SIRSINDS SIRSINDS DICE _ M. LUS SIRSINDS SIRSINDS SIRSINDS DICE _ M. SIRSINDS SIRSINDS SIRSINDS DICE _ M. SIRSINDS SIRSINDS DICE _ M. SIRSINDS SIRSINDS SIRSINDS DICE _ M. SIRSINDS SIRSINDS SIRSINDS DICE _ M. SIRSINDS SIRSINDS DICE _ M. SIRSINDS SIRSINDS DICE _ M. SIRSINDS SI				
SIRSINGS, SIADMACE (min. ym. M., μ02 180877904				
SirtSing Sipholded Finer I m. S. M. u. u. 22 * AgEnable Cnt. lyc * Ag				
SHS500, Showhood Finer E, M. M22				
K. Algo-Rabe Cort. Up				
K. Mode FlassinStew_UlspS_122				
K, Model AssielDD, Us, 192 0.89800016 K, Model Eleg Trans Thresh, Pkm, 192 10000 2588 K, Model Eleg Trans Thresh, Pkm, 192 1110/2198 K, Model VellSpdTrans Thresh, Pkm, 192 0.421400011 K, Model Sessiblister, UspS, 192 364,835683 K, Model Sessiblister, UspS, 192 0.421400011 K, NormalModel Sessiblister, UspS, 192 175,748903 K, NormalModel Sessiblister, UspS, 192 0.75,900015 K, NormalModel Sessiblister, UspS, 192 0.75,900015 K, StopModel Hwite Trans Thresh, Pkm, 192 6.16720009 K, StopModel Hwite Trans Thresh, Hwite, 192 6.16720009 K, StopModel Hwite Trans Thresh, Hwite, 192 1.13,3378 K, StopModel Sessiblister, UspS, 192 1.33,3378 K, StopModel Sessiblister, UspS, 192 1.33,3378 K, StopModel Sessiblister, UspS, 192 1.31,3378 K, StopModel Sessiblister, UspS, 192 1.31,3378 K, StopModel Sessiblister, UspS, 192 1.31,3378 K, StopModel Sessiblister, 194 2.80,241,241 K, StopModel Sessiblister, 194 2.80,241 K, StopModel Sessiblister, 194 2.80,241 K, StopModel Se				
Mode1 AssastSiew_Ulpsg. 1/2 10000 2588 111 1012199		0.896300018		
k, Mode Leng Trans Threath, Rpm, 122 1000,0288 k, Mode LeNas Selb Lilly 18, 192 0.421400011 k, Mode LeNas Selb Lilly 18, 192 384,839893 k, Mode LeNas Selb Elw, Lilly 18, 192 384,839893 k, Normal Mode Selb Selb Lilly 18, 192 175,749003 k, Normal Mode Selb Selb Lilly 1985, 192 175,749003 k, Normal Mode Selb Selb Lilly 1985, 192 67,339016 k, Normal Mode Selb Selb Lilly 1985, 192 67,339016 k, Normal Mode Selb Selb Lilly 1985, 192 67,239019 k, Stopholdocid Selb Selb Lilly 1985, 192 130,013504 k, Stopholdocid Selb Lilly 1987,				
k Modez/AssistiSew UlspS 132 0.421400011 k Modez/AssistiSew UlspS 132 304.836933 k Modez/AssistiSew UlspS 132 304.836933 k Modez/AssistiSew UlspS 132 175.749003 k NormalModesistiSew UlspS 132 175.749003 k NormalModesiSestiSew UlspS 132 67.5300015 k NormalModesiSestiSew UlspS 132 67.5300015 k Stopkhode International Hawking Intern				
Mode2AssistDie_UlispS_132 364 835893				
K, Mode2VehSpdTransThresh, Kph_132 K, Mode2VehSpdTransThresh, Kph_132 K, NormalModeSasisSlew, UlspS, 132 K, NormalModeSasisSlew, UlspS, 132 K, NormalModeSasisSlew, UlspS, 132 K, NormalModeShpdTransThresh, Kph_132 K, StophOde1 MassisSlew, UlspS, 132 K, StophOde1 Mary TransThresh, HwDespS, 132 K, StophOde1 Mary TransThresh, HwDespS, 132 K, StophOde1 Mary TransThresh, HwDespS, 132 K, StophOde2 Mary TransThresh, Kph_132 Larged, Rte, Inst, Ap. GMStriStop, Part EngStp, Rpm, 122 Larged, Rte, Inst, Ap. GMStriStop, Part EngStp, Rpm, 122 Larged, Rte, Inst, Ap. GMStriStop, Part EngStp, Rpm, 122 Larged, Rte, Inst, Ap. GMStriStop, Part EngStp, Rpm, 122 Larged, Rte, Inst, Ap. GMStriStop, Part EngStp, Rpm, 122 Larged, Rte, Inst, Ap. GMStriStop, Part EngStp, Rpm, 122 Larged, Rte, Inst, Ap. GMStriStop, Part				
Mode				
NormalModeEngTransTrinesh_Rpm_132 0				
NomalModePortgransThresh Rpm, 132 07.5306015 1.50016 1.50		175.749603		
k_StopMode1AssisSiew_UlspS_f32		0		
K_StopMode HWTqTransThresh_HWNm_f32 K_StopMode HTWerTgnasThresh_HWDegpS_f32 K_StopMode HTWerTgnasThresk_FMp_f32 K_StopMode HWerTgnasThresk_FMp_f32 K_StopMode MertgnasThresk_FMp_f32 K_StopMode MertgnasThresh_HWMm_f32 K_StopMode MertgnasThresh_KMm_f32 K		67.5306015		
k. StopMode 1HwVelTransThresh_HwDegpS_f32 130.013504 k. StopMode 1Tmer_Sec_u16 1 k. StopMode 1VehSpGTransThres_Kph_f32 15.3378 k. StopMode 2AwsTigTrans Thresh_HwNm_f32 8.46140003 k. StopMode 2HwTigTransThresh_HwDegpS_f32 179.1474 k. StopMode 2WehSpGTransThresh_HwDegpS_f32 179.1474 k. StopMode 2WehSpGTransThresh_HwDegpS_f32 179.1474 k. StopMode 2WehSpGTransThresh_Kph_f32 28.694997 k. StopMode 2WehSpGTransThresh_Kph_f32 28.694997 k. StopMode 3 Stop SpGT 2 Stop Sp	de1AssistSlew_UlspS_f32	264.764496		
K. StopMode1Timer_Sec_u16 1 K. StopMode2AssistSlew_UspS_f32 124.421303 K. StopMode2AssistSlew_UspS_f32 124.421303 K. StopMode2AssistSlew_UspS_f32 48.6140003 K. StopMode2AssistSlew_UspS_f32 48.6140003 K. StopMode2AssistSlew_UspS_f32 48.6140003 K. StopMode2AssistDo_Usp_f32 2 K. StopMode2AssistDo_Usp_f32 0.088399998 K. StopMode2AssistDo_Usp_f32 0.0883999988 target_DimmclEapsedTime_msb_u32_CurrentTime 78400 target_Rise_inst_Ap_GMStriStop_StriStop_Per1_APAState_State_enum target_StriStop_Per1_APAState_State_enum target_Rise_inst_Ap_GMStriStop_StriStop_Per1_EngSpd_Rpm_f32 target_StriStop_Per1_HandwheetVelocity_HwRadpS_f32 target_StriStop_Per1_HandwheetVelocity_HwRadpS_f32 target_StriStop_Per1_HandwheetVelocity_HwRadpS_f32 target_StriStop_Per1_HandwheetVelocity_HwRadpS_f32 target_StriStop_Per1_SSSSate_Usl_StriStop_Per1_HandwheetVelocity_HwRadpS_f32 target_StriStop_Per1_HandwheetVelocity_HwRadpS_f32 target_StriStop_Per1_HandwheetVelocity_HwRadpS_f32 target_StriStop_Per1_HandwheetVelocity_HwRadpS_f32 target_StriStop_Per1_HandwheetVelocity_HwRadpS_f32 target_StriStop_Per1_HandwheetVelocity_HuRadpS_f32 target_StriStop_Per1_SSSIALe_Bull_Tall_Tall_Tall_Tall_Tall_Tall_Tall_T	de1HwTrqTransThresh_HwNm_f32	6.16720009		
k_StopMode1VehSpdTransThres_Kph_f32 15.3378 k_StopMode2XessistSiew_UlspS_f32 124.421303 k_StopMode2VehVelTransThresh_HwNm_f32 8.46140003 k_StopMode2TwiPTransThresh_HwDegpS_f32 179.1474 k_StopMode2VehSpdTransThresh_Kph_f32 2 k_StopMode2SyehSpdTransThresh_Kph_f32 20.0883999988 k_StopMode2VehSpdTransThresh_Kph_f32 0.0883999988 k_StopMode3SistID_Uls_f32 0.0883999988 target_DImmElapsedTime_ms_u32_ClapsedTime 301050 target_Rel_nst_Ap_GMStriStop StriStop_Per1_APAState_State_enum target_Rel_nst_Ap_GMStriStop StriStop_Per1_BngSpd_Rpm_f32 target_StriStop_Per1_EngSpd_Rpm_f32 target_Rel_nst_Ap_GMStriStop StriStop_Per1_HwTorque_HwNm_f32 target_StriStop_Per1_HandwheelVelocity_HwRadpS_f32 target_Rel_nst_Ap_GMStriStop StriStop_Per1_SSIZVFault_Cnt_lgo target_StriStop_Per1_SSIZVFault_Cnt_lgo target_Rel_nst_Ap_GMStriStop_StriStop_Per1_SSIStew_UlspS_f32 target_StriStop_Per1_SSSate_Uls_f32 target_Rel_nst_Ap_GMStriStop_StriStop_Per1_SSIStew_State_enum target_StriStop_Per1_SSISte_State_enum target_Rel_nst_Ap_GMStriStop_StriStop_Per1_SSIStew_UlspS_f32 target_StriStop_Per1_SSISte_State_enum target_StriStop_Per1_APAState_State_enum_value 0 target_StriStop_Per1_SSIZ	de1HwVelTransThresh_HwDegpS_f32	130.013504		
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k_StopMode2HwTrqTransThresh_HwNm_32 8.46140003 k_StopMode2Fimer_Sec_u16 2 k_StopMode2Fimer_Sec_u16 2 k_StopModeAssicIDD_Uls_f32 28.0594997 k_StopModeAssicIDD_Uls_f32 0.0883999988 target_DimnElapsedTime_mS_u32_ElapsedTime 301050 target_GelSystemTime_mS_u32_CurrentTime 78400 target_Rie_Inst_Ap_GMStrtStop_StrtStop_Per1_APAState_State_enum target_StrtStop_Per1_EngSpd_Rpm_f32 target_Rie_Inst_Ap_GMStrtStop_StrtStop_Per1_HwTorque_HwNm_f32 target_StrtStop_Per1_EngSpd_Rpm_f32 target_Rie_Inst_Ap_GMStrtStop_StrtStop_Per1_HwTorque_HwNm_f32 target_StrtStop_Per1_HwTorque_HwNm_f32 target_Rie_Inst_Ap_GMStrtStop_StrtStop_Per1_SSState_Uisp_f32 target_StrtStop_Per1_SSStele_Uis_f32 target_Rie_Inst_Ap_GMStrtStop_StrtStop_Per1_SSState_State_enum target_StrtStop_Per1_SSState_Uisp_F1_SSState_enum target_Rie_Inst_Ap_GMStrtStop_StrtStop_Per1_SSState_State_enum target_StrtStop_Per1_SSState_Enum_State_enum target_StrtStop_Per1_APAState_State_enum_value 0 target_StrtStop_Per1_APAState_State_enum_value 0 target_StrtStop_Per1_HwTorque_HwNm_f32_value 0 target_StrtStop_Per1_HwTorque_HwNm_f32_value 0 target_StrtStop_Per1_HwTorque_HwNm_f3	de1VehSpdTransThres_Kph_f32	15.3378		
k_StopMode2HwVeITransThresh_HwDegpS_f32	de2AssistSlew_UlspS_f32	124.421303		
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k_StopMode2VehSpdTransThresh_Kph_f32	de2HwVelTransThresh_HwDegpS_f32	179.1474		
k_StopModeAssistDD_Uls_f32 target_DtrmnElapsedTime_mS_u32_ElapsedTime	de2Timer_Sec_u16	2		
target_DtmmElapsedTime_mS_u32_ElapsedTime 301050 target_CetSystemTime_mS_u32_CurrentTime 78400 target_Rte_Inst_Ap_GMStrtStop_StrtStop_Per1_APAState_State_enum target_StrtStop_Per1_EngSpd_Rpm_f32 target_Rte_Inst_Ap_GMStrtStop_StrtStop_Per1_HandwheelVelocity_HwRadpS_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_SS12VFault_Cnt_Igc target_StrtStop_Per1_HandwheelVelocity_HwRadpS_f32 target_Rte_Inst_Ap_GMStrtStop.StrtStop_Per1_SSSlew_UlspS_f32 target_StrtStop_Per1_SSSlew_UlspS_f32 target_Rte_Inst_Ap_GMStrtStop.StrtStop_Per1_SSSlew_UlspS_f32 target_StrtStop_Per1_SSSlew_UlspS_f32 target_Rte_Inst_Ap_GMStrtStop.StrtStop_Per1_SSSlew_UlspS_f32 target_StrtStop_Per1_SSSlew_UlspS_f32 target_Rte_Inst_Ap_GMStrtStop.StrtStop_Per1_VehicleSpeed_Kph_f32 target_StrtStop_Per1_SSSlew_UlspS_f32 target_StrtStop_Per1_HandwheelVelocity_HwRadpS_f32_value 0 target_StrtStop_Per1_HandwheelVelocity_HwRadpS_f32_value 57.6822014 target_StrtStop_Per1_HandwheelVelocity_HwRadpS_f32_value 63.9673996 Name Actual Value Expected Value StrtStop_SSSeale_Uls_M_f32 453.032104 453.032104 ±0.1	de2VehSpdTransThresh_Kph_f32	28.0594997		
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target_Rte_Inst_Ap_GMStrtStop.StrtStop_Per1_APAState_State_enum target_StrtStop_Per1_APAState_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_HandwheelVelocity_HwRadpS_f32 target_Rte_Inst_Ap_GMStrtStop.StrtStop_Per1_SSScale_Uls_f32 target_StrtStop_Per1_SSSt2VFault_Cnt_Igc target_Rte_Inst_Ap_GMStrtStop.StrtStop_Per1_SSState_State_enum target_StrtStop_Per1_SSSew_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_APAState_State_enum_value 0 target_StrtStop_Per1_HandwheelVelocity_HwRadpS_f32.value 0 target_StrtStop_Per1_HorTorque_HwNm_f32.value 57.6822014 target_StrtStop_Per1_SS12VFault_Cnt_Igc.value 63.9673996 Name Actual Value Expected Value StrtStop_Stop_Mode_Prev_Prev_Cnt_M_enum 1 1 StrtStop_StopModePrev_Prev_Cnt_M_enum 3 3	mnElapsedTime_mS_u32_ElapsedTime	301050		
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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_SSState_UlspS_f32 target_StrtStop_Per1_SSState_UlspS_f32 target_Rte_Inst_Ap_GMStrtStop_StrtStop_Per1_SSState_State_enum target_StrtStop_Per1_SSState_State_enum target_StrtStop_Per1_APAState_State_enum.value 0 target_StrtStop_Per1_HandwheelVelocity_HwRadpS_f32.value 57.6822014 target_StrtStop_Per1_HandwheelVelocity_HwRadpS_f32.value 62.88539991 target_StrtStop_Per1_SS12VFault_Cnt_lgc.value 0 target_StrtStop_Per1_VehicleSpeed_Kph_f32.value 63.9673996 Name Actual Value Expected Value StrtStop_SSScale_Uls_M_f32 453.032104 453.032104 ± 0.1 StrtStop_SStopModePrevPrev_Cnt_M_enum 1 1 StrtStop_StopModePrevPrev_Cnt_M_enum 3 3 StrtStop_StopModeTimer1_mS_M_u32 3217686272 3217686272 StrtStop_StopModeTimer2_mS_M_u32 78400 78400	_Inst_Ap_GMStrtStop_StrtStop_Per1_EngSpd_Rpm_f32	target_StrtStop_Per1_EngSpd_Rpm_f3	2	
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_SSState_State_enum target_StrtStop_Per1_SSState_State_enum target_Rte_Inst_Ap_GMStrtStop.StrtStop_Per1_VehicleSpeed_Kph_f32 target_StrtStop_Per1_SSState_State_enum target_StrtStop_Per1_APAState_State_enum.value target_StrtStop_Per1_VehicleSpeed_Kph_f32 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_VehicleSpeed_Kph_f32_value 0 target_StrtStop_Per1_VehicleSpeed_Kph_f32_value 63.9673996 Name Actual Value Expected Value StrtStop_SSScale_Uls_M_f32 0.421400011 0.421400011 StrtStop_StOpModePrevPrev_Unsps_M_f32 453.032104 453.032104 ± 0.1 StrtStop_StOpModePrevPrev_Cnt_M_enum 3 3 StrtStop_StOpMode_Cnt_M_enum 3 3 StrtStop_StopModeTimer1_mS_M_u32 3217686272 3217686272 StrtStop_StopModeTi	_Inst_Ap_GMStrtStop.StrtStop_Per1_HandwheelVelocity_HwRadpS	3_f32 target_StrtStop_Per1_HandwheelVeloc	ity_HwRadpS_f32	
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_APAState_State_enum.value 0 target_StrtStop_Per1_EngSpd_Rpm_f32.value 57.6822014 target_StrtStop_Per1_HwTorque_HwNm_f32.value 62.28539991 target_StrtStop_Per1_SS12VFault_Cnt_lgc.value 0 target_StrtStop_Per1_VehicleSpeed_Kph_f32.value 63.9673996 Name Actual Value Expected Value StrtStop_SSScale_Uls_M_f32 0.421400011 0.421400011 StrtStop_StOpModePrev_Ulsps_M_f32 453.032104 453.032104 ± 0.1 StrtStop_StOpModePrev_Prev_Cnt_M_enum 1 1 StrtStop_StOpModePrev_Cnt_M_enum 3 3 StrtStop_StopModeTimer1_ms_M_u32 3217686272 3217686272 StrtStop_StopModeTimer2_ms_M_u32 78400 78400	_Inst_Ap_GMStrtStop.StrtStop_Per1_HwTorque_HwNm_f32	target_StrtStop_Per1_HwTorque_HwNi	m_f32	
target_Rte_Inst_Ap_GMStrtStop_StrtStop_Per1_SSSiew_UlspS_f32 target_StrtStop_Per1_SSSiew_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_APAState_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_Igc.value 0 target_StrtStop_Per1_VehicleSpeed_Kph_f32_value 63.9673996 Name Actual Value Expected Value 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_StopModeCnt_M_enum 3 3 StrtStop_StopModeTimer1_mS_M_u32 3217686272 3217686272 StrtStop_StopModeTimer2_mS_M_u32 78400 78400	_Inst_Ap_GMStrtStop.StrtStop_Per1_SS12VFault_Cnt_lgc	target_StrtStop_Per1_SS12VFault_Cnt	_lgc	
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_APAState_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 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	_Inst_Ap_GMStrtStop_StrtStop_Per1_SSScale_Uls_f32	target_StrtStop_Per1_SSScale_Uls_f32	2	
target_Rte_Inst_Ap_GMStrtStop.StrtStop_Per1_VehicleSpeed_Kph_f32 target_StrtStop_Per1_VehicleSpeed_Kph_f32 target_StrtStop_Per1_APAState_State_enum.value 0 target_StrtStop_Per1_EngSpd_Rpm_f32.value 57.6822014 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 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_StopMode_Cnt_M_enum 3 3 StrtStop_StopModeTimer1_mS_M_u32 3217686272 3217686272 StrtStop_StopModeTimer2_mS_M_u32 78400 78400				
target_StrtStop_Per1_APAState_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 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_StopMode_Cnt_M_enum 3 3 StrtStop_StopModeTimer1_mS_M_u32 3217686272 3217686272 StrtStop_StopModeTimer2_mS_M_u32 78400 78400		target_StrtStop_Per1_SSState_State_e	enum	
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 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_StopMode_Cnt_M_enum 3 3 StrtStop_StopModeTimer1_mS_M_u32 3217686272 3217686272 StrtStop_StopModeTimer2_mS_M_u32 78400 78400			ph_f32	
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 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_StopMode_Cnt_M_enum 3 3 StrtStop_StopModeTimer1_mS_M_u32 3217686272 3217686272 StrtStop_StopModeTimer2_mS_M_u32 78400 78400				
target_StrtStop_Per1_HwTorque_HwNm_32.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 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_SS12VFault_Cnt_lgc.value 0 target_StrtStop_Per1_VehicleSpeed_Kph_f32.value 63.9673996 Name Actual Value Expected Value 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	·	57.6822014		
Name Actual Value Expected Value 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_StopMode_Cnt_M_enum 3 3 StrtStop_StopModeTimer1_mS_M_u32 3217686272 3217686272 StrtStop_StopModeTimer2_mS_M_u32 78400 78400	Stop_Per1_HwTorque_HwNm_f32.value	-6.28539991		
Name Actual Value Expected Value 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				
StrtStop_SSScale_Uls_M_f32 0.421400011 0.421400011 StrtStop_SSSlewRatePrev_UlspS_M_f32 453.032104 453.032104 ± 0.1 StrtStop_StOpModePrev_Cnt_M_enum 1 1 StrtStop_StOpModePrev_Cnt_M_enum 3 3 StrtStop_StOpMode_Cnt_M_enum 3 3 StrtStop_StopModeTimer1_mS_M_enum 3 3 StrtStop_StopModeTimer1_mS_M_u32 3217686272 3217686272 StrtStop_StopModeTimer2_mS_M_u32 78400 78400	Stop_Per1_VehicleSpeed_Kph_f32.value	63.9673996		
StrIStop_SSSlewRatePrev_UlspS_M_f32 453.032104 453.032104 ± 0.1 StrIStop_StOpModePrevPrev_Cnt_M_enum 1 1 StrIStop_StOpModePrev_Cnt_M_enum 3 3 StrIStop_StOpMode_Cnt_M_enum 3 3 StrIStop_StopModeTimer1_mS_M_u32 3217686272 3217686272 StrIStop_StopModeTimer2_mS_M_u32 78400 78400		Actual Value	Expected Value	Resul
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	SSScale_Uls_M_f32	0.421400011	0.421400011	
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	SSSlewRatePrev_UlspS_M_f32	453.032104	453.032104 ± 0.1	•
StrtStop_StOpMode_Cnt_M_enum 3 3 StrtStop_StopModeTimer1_mS_M_u32 3217686272 3217686272 StrtStop_StopModeTimer2_mS_M_u32 78400 78400	StOpModePrevPrev_Cnt_M_enum			•
StrtStop_StopModeTimer1_mS_M_u32 3217686272 3217686272 StrtStop_StopModeTimer2_mS_M_u32 78400 78400	StOpModePrev_Cnt_M_enum	3	3	
StrtStop_StopModeTimer2_mS_M_u32 78400 78400	GtOpMode_Cnt_M_enum	3	3	•
	StopModeTimer1_mS_M_u32	3217686272	3217686272	•
target StrtStop Per1 SSScale Uls f32.value 0.421400011 0.421400011 ± 0.0001	StopModeTimer2_mS_M_u32	78400	78400	•
	Stop_Per1_SSScale_Uls_f32.value	0.421400011	0.421400011 ± 0.0001	•
target_StrtStop_Per1_SSSlew_UlspS_f32.value 453.032104 453.032104 ± 0.1	Stop_Per1_SSSlew_UlspS_f32.value	453.032104	453.032104 ± 0.1	

Test Step Call Trace				V
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 2.62 (Repeat Count = 1)	Innut Value		
Name	Input Value	1	
DtrmnElapsedTime_mS_u32(ElapsedTime)	target_DtrmnElapsedTime_mS_u32_Elaps		
GetSystemTime_mS_u32(CurrentTime)	target_GetSystemTime_mS_u32_CurrentT	ime	
Rte_Inst_Ap_GMStrtStop	target_Rte_Inst_Ap_GMStrtStop		
StrtStop_SSScale_Uls_M_f32	1		
	300.747894		
	0		
	2		
StrtStop_StopModeTimer1_mS_M_u32	788317696		
StriStop_StopModeTimer2_mS_M_u32	2172265472		
k AlgEnable Cnt lgc	1		
k_FitRspRampDnRt_UispS_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		
	2.19899988		
	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		
	4		
k_StopMode1VehSpdTransThres_Kph_f32	47.3549995		
k_StopMode2AssistSlew_UlspS_f32	164.071701		
k_StopMode2HwTrqTransThresh_HwNm_f32	8.32530022		
k StopMode2HwVelTransThresh HwDegpS f32	86.7898026		
	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_APAState_State_enum	target_StrtStop_Per1_APAState_State_en	um	
target_Rte_Inst_Ap_GMStrtStop.StrtStop_Per1_EngSpd_Rpm_f32	target_StrtStop_Per1_EngSpd_Rpm_f32		
	target_StrtStop_Per1_HandwheelVelocity_	HwRadpS_f32	
target_Rte_Inst_Ap_GMStrtStop.StrtStop_Per1_HwTorque_HwNm_f32	target_StrtStop_Per1_HwTorque_HwNm_1	32	
target_Rte_Inst_Ap_GMStrtStop.StrtStop_Per1_SS12VFault_Cnt_Igc	target_StrtStop_Per1_SS12VFault_Cnt_lg		
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_enui	n	
target_Rte_Inst_Ap_GMStrtStop.StrtStop_Per1_VehicleSpeed_Kph_f32	target_StrtStop_Per1_VehicleSpeed_Kph_	<u>f</u> 32	
target_StrtStop_Per1_APAState_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	Resul
StrtStop_SSScale_Uls_M_f32	1	1	•
StrtStop SSSlewRatePrev UlspS M f32	436.60379	436.60379 ± 0.1	
	0	0	
	2	2	
	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	

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





Test Step 2.63 (Repeat Count = 1) Name	Input Value		
	•	dTime.	
	target_DtrmnElapsedTime_mS_u32_Elapse		
	target_GetSystemTime_mS_u32_CurrentTir target_Rte_Inst_Ap_GMStrtStop	ne	
	0.358900011		
	189.891296		
	5		
	4		
	2		
	155218176		
	1153455872		
	1		
_ 0 0	131.9505		
_ , , _ , _	0.510200024		
	129.189407		
	16344.4951		
	176.236893		
	1		
	43.1851997		
	8		
	412.759186		
	0		
	41.5996017		
	261.865387		
	1.88639998		
	225.648499		
	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_UIs_f32	0.0306000002		
target_DtrmnElapsedTime_mS_u32_ElapsedTime	311350		
target_GetSystemTime_mS_u32_CurrentTime	81100		
target_Rte_Inst_Ap_GMStrtStop_Per1_APAState_State_enum	target_StrtStop_Per1_APAState_State_enui	n	
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_F	wRadpS_f32	
target_Rte_Inst_Ap_GMStrtStop.StrtStop_Per1_HwTorque_HwNm_f32	target_StrtStop_Per1_HwTorque_HwNm_f3	2	
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_f3	32	
target_StrtStop_Per1_APAState_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	Resul
StrtStop_SSScale_Uls_M_f32	1	1	
1	131.9505	131.9505 ± 0.1	
	4	4	
	3	3	
	3	3	
	155218176	155218176	
	81100	81100	
	1	1 ± 0.0001	
target_StrtStop_Per1_SSSlew_UlspS_f32.value	131.9505	131.9505 ± 0.1	· · · · · · · · · · · · · · · · · · ·

Test Step Call Trace				V
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 2.64 (Repeat Count = 1) Name	Input Value		
DtrmnElapsedTime mS u32(ElapsedTime)	target_DtrmnElapsedTime_mS_u32_Elapsed	dTime	
GetSystemTime_mS_u32(CurrentTime)	target_GetSystemTime_mS_u32_CurrentTin		
Rte_Inst_Ap_GMStrtStop	target_Rte_Inst_Ap_GMStrtStop		
StrtStop_SSScale_UIs_M_f32	0.349400014		
StrtStop SSSIewRatePrev 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_UIs_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_StopMode1VehSpdTransThres_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_UIs_f32	0.675700009		
target_DtrmnElapsedTime_mS_u32_ElapsedTime	316500		
target_GetSystemTime_mS_u32_CurrentTime	82450		
target_Rte_Inst_Ap_GMStrtStop_StrtStop_Per1_APAState_State_enum	target_StrtStop_Per1_APAState_State_enur	n	
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_H	wRadpS_f32	
target_Rte_Inst_Ap_GMStrtStop_StrtStop_Per1_HwTorque_HwNm_f32	target_StrtStop_Per1_HwTorque_HwNm_f32	2	
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_f3	2	
target_StrtStop_Per1_APAState_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	Resul
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	•
0 = 1 = = = =			
target_StrtStop_Per1_SSSlew_UlspS_f32.value	1	1 ± 0.1	

Test Step Call Trace				V
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 2.65 (Repeat Count = 1) Name	Input Value		
	Input Value	ndTime.	
DtrmnElapsedTime_mS_u32(ElapsedTime) GetSystemTime_mS_u32(CurrentTime)	target_DtrmnElapsedTime_mS_u32_Elapsetarget_GetSystemTime_mS_u32_CurrentTi		
Rte_Inst_Ap_GMStrtStop	target_Rte_Inst_Ap_GMStrtStop	me	
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 Igc	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 StopMode1VehSpdTransThres 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_UIs_f32	0.430500001		
target_DtrmnElapsedTime_mS_u32_ElapsedTime	321650		
target_GetSystemTime_mS_u32_CurrentTime	83800		
target_Rte_Inst_Ap_GMStrtStop.StrtStop_Per1_APAState_State_enum	target_StrtStop_Per1_APAState_State_enu	m	
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_h	lwRadpS_f32	
target_Rte_Inst_Ap_GMStrtStop.StrtStop_Per1_HwTorque_HwNm_f32	target_StrtStop_Per1_HwTorque_HwNm_f3	32	
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	1	
target_Rte_Inst_Ap_GMStrtStop.StrtStop_Per1_VehicleSpeed_Kph_f32	target_StrtStop_Per1_VehicleSpeed_Kph_f	32	
target_StrtStop_Per1_APAState_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	Resul
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_UIs_f32.value	1	1 ± 0.0001	
target_StrtStop_Per1_SSSlew_UlspS_f32.value	258.011597	258.011597 ± 0.1	

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 2.66 (Repeat Count = 1)	Innut Value		
Name	Input Value	. 	
DtrmnElapsedTime_mS_u32(ElapsedTime)	target_DtrmnElapsedTime_mS_u32_Elapse		
GetSystemTime_mS_u32(CurrentTime)	target_GetSystemTime_mS_u32_CurrentTin	me	
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	1		
StrtStop_StOpModePrev_Cnt_M_enum StrtStop_StOpMode_Cnt_M_enum	2		
StrtStop_StopModeTimer1_mS_M_u32	4210780672		
StrtStop StopModeTimer2 mS M u32	3557173248		
k AlgEnable Cnt lqc	1		
k_FitRspRampDnRt_UlspS_f32	399.0867		
k Mode1AssistDD UIs f32	1		
k_Mode1AssistSlew_UlspS_f32	28.8075008		
k Mode1EngTransThresh Rpm f32	884.702576		
k Mode1VehSpdTransThresh Kph f32	32.5257988		
k_Mode2AssistDD_UIs_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_StopMode1VehSpdTransThres_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_UIs_f32	0.970200002		
target_DtrmnElapsedTime_mS_u32_ElapsedTime	326800		
target_GetSystemTime_mS_u32_CurrentTime	85150		
target_Rte_Inst_Ap_GMStrtStop_Per1_APAState_State_enum	target_StrtStop_Per1_APAState_State_enu	m	
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 H	HwRadpS f32	
target_Rte_Inst_Ap_GMStrtStop_StrtStop_Per1_HwTorque_HwNm_f32	target_StrtStop_Per1_HwTorque_HwNm_f3		
target_Rte_Inst_Ap_GMStrtStop_StrtStop_Per1_SS12VFault_Cnt_Igc	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	ı	
target_Rte_Inst_Ap_GMStrtStop.StrtStop_Per1_VehicleSpeed_Kph_f32	target_StrtStop_Per1_VehicleSpeed_Kph_f		
target StrtStop Per1 APAState 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	Resul
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	
	399.0867	399.0867 ± 0.1	
target_StrtStop_Per1_SSSlew_UlspS_f32.value			

Test Step Call Trace				V
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 2.67 (Repeat Count = 1)	Innut Value		
Name	Input Value	and Time o	
DtrmnElapsedTime_mS_u32(ElapsedTime) CotSustamTime_mS_u22(CurrentTime)	target_DtrmnElapsedTime_mS_u32_Elaps		
GetSystemTime_mS_u32(CurrentTime)	target_GetSystemTime_mS_u32_Current1	ime	
Rte_Inst_Ap_GMStrtStop	target_Rte_Inst_Ap_GMStrtStop		
StrtStop_SSScale_Uls_M_f32	03 6044096		
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_UIs_f32	1		
k_Mode1AssistSlew_UlspS_f32	161.605499		
k_Mode1EngTransThresh_Rpm_f32	10000.1621		
k_Mode1VehSpdTransThresh_Kph_f32	38.0056		
k_Mode2AssistDD_UIs_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_StopMode1VehSpdTransThres_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_UIs_f32	1		
target_DtrmnElapsedTime_mS_u32_ElapsedTime	331950		
target_GetSystemTime_mS_u32_CurrentTime	86500		
target_Rte_Inst_Ap_GMStrtStop_StrtStop_Per1_APAState_State_enum	target_StrtStop_Per1_APAState_State_en	um	
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_t	32	
target_Rte_Inst_Ap_GMStrtStop.StrtStop_Per1_SS12VFault_Cnt_lgc	target_StrtStop_Per1_SS12VFault_Cnt_lg	C	
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_enu	m	
target_Rte_Inst_Ap_GMStrtStop.StrtStop_Per1_VehicleSpeed_Kph_f32	target_StrtStop_Per1_VehicleSpeed_Kph_		
target StrtStop Per1 APAState 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	Resul
		•	Resu
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 target_StrtStop_Per1_SSSlew_UlspS_f32.value	1	1 ± 0.0001 1 ± 0.1	

Test Step Call Trace				V
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 2.68 (Repeat Count = 1) Name	Input Value		
	target_DtrmnElapsedTime_mS_u32_Elapse	dTime	
	target_GetSystemTime_mS_u32_CurrentTir		
	target Rte Inst Ap GMStrtStop		
	0.254400015		
·	28.9195004		
	5		
	1		
	3		
	2440377344		
	1342562816		
	1		
k_FitRspRampDnRt_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_UIs_f32	0.269400001		
target_DtrmnElapsedTime_mS_u32_ElapsedTime	337100		
target_GetSystemTime_mS_u32_CurrentTime	87850		
target_Rte_Inst_Ap_GMStrtStop_StrtStop_Per1_APAState_State_enum	target_StrtStop_Per1_APAState_State_enur	n	
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_H	wRadpS_f32	
target_Rte_Inst_Ap_GMStrtStop.StrtStop_Per1_HwTorque_HwNm_f32	target_StrtStop_Per1_HwTorque_HwNm_f3	2	
target_Rte_Inst_Ap_GMStrtStop_StrtStop_Per1_SS12VFault_Cnt_lgc	target_StrtStop_Per1_SS12VFault_Cnt_lgc		
	target_StrtStop_Per1_SSScale_Uls_f32		
	target_StrtStop_Per1_SSSlew_UlspS_f32		
	target_StrtStop_Per1_SSState_State_enum		
	target_StrtStop_Per1_VehicleSpeed_Kph_f3	32	
0 _ 1	2		
0 = 1 = 0 1 = 1 =	5659.15527		
target_StrtStop_Per1_HandwheelVelocity_HwRadpS_f32.value	61.6576996		
0 = 1 = = =	8.31449986		
. 3-2	0		
target_StrtStop_Per1_VehicleSpeed_Kph_f32.value	111.357002		
Name	Actual Value	Expected Value	Resul
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	•
torget Stricton Bord SSScole Ille f22 value	1	1 ± 0.0001	•
target_StrtStop_Per1_SSScale_Uls_f32.value			
0 _ 1	28.9195004	28.9195004 ± 0.1	•

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 2.69 (Repeat Count = 1)			✓
Name	Input Value		
DtrmnElapsedTime_mS_u32(ElapsedTime)	target_DtrmnElapsedTime_mS_u32_Elaps	edTime	
GetSystemTime_mS_u32(CurrentTime)	target_GetSystemTime_mS_u32_CurrentT	ime	
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_UIs_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_UIs_f32	1		
target_DtrmnElapsedTime_mS_u32_ElapsedTime	342250		
target_GetSystemTime_mS_u32_CurrentTime	89200		
target_Rte_Inst_Ap_GMStrtStop_StrtStop_Per1_APAState_State_enum	target_StrtStop_Per1_APAState_State_en	ım	
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_f	32	
target_Rte_Inst_Ap_GMStrtStop.StrtStop_Per1_SS12VFault_Cnt_lgc	target_StrtStop_Per1_SS12VFault_Cnt_lgd		
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_enur	n	
target_Rte_Inst_Ap_GMStrtStop_StrtStop_Per1_VehicleSpeed_Kph_f32	target_StrtStop_Per1_VehicleSpeed_Kph_	f32	
target_StrtStop_Per1_APAState_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 Step 2.70 (Repeat Count = 1) Name	Input Value		
	Input Value	dTime	
DtrmnElapsedTime_mS_u32(ElapsedTime)	target_DtrmnElapsedTime_mS_u32_Elapse		
GetSystemTime_mS_u32(CurrentTime)	target_GetSystemTime_mS_u32_CurrentTin	nie	
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_UIs_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		
	2		
k_StopMode1Timer_Sec_u16			
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_UIs_f32	0.802699983		
target_DtrmnElapsedTime_mS_u32_ElapsedTime	347400		
target_GetSystemTime_mS_u32_CurrentTime	90550		
target_Rte_Inst_Ap_GMStrtStop_StrtStop_Per1_APAState_State_enum	target_StrtStop_Per1_APAState_State_enu	m	
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_F	HwRadpS_f32	
target_Rte_Inst_Ap_GMStrtStop.StrtStop_Per1_HwTorque_HwNm_f32	target StrtStop Per1 HwTorque HwNm f3	2	
target Rte Inst Ap GMStrtStop.StrtStop Per1 SS12VFault Cnt Igc	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_f:		
	2	32	
target_StrtStop_Per1_APAState_State_enum.value			
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	Resul
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	
	•	1 ± 0.0001	
target_StrtStop_Per1_SSSlew_UlspS_f32.value	99.3861008	99.3861008 ± 0.1	

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 2.71 (Repeat Count = 1) Name	Input Value		
	Input Value	JT:	
	target_DtrmnElapsedTime_mS_u32_Elapsed		
	target_GetSystemTime_mS_u32_CurrentTin	ie	
	target_Rte_Inst_Ap_GMStrtStop		
	0.063000001		
	488.985291		
	1		
	1		
12 1 2 2 2	3		
	2700007680		
12 1 2 2	966033152		
_ 0 0	1		
_ , , _ , _	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		
	491.205688		
	12224.4102		
	67.4773026		
k_StopMode1AssistSlew_UlspS_f32	125.843803		
	5.17920017		
k_StopMode1HwVelTransThresh_HwDegpS_f32	194.115097		
	0		
	48.6164017		
	115.046799		
	5.9527998		
	176.190598		
	1		
k_StopMode2VehSpdTransThresh_Kph_f32	200		
k_StopModeAssistDD_UIs_f32	0.332599998		
target_DtrmnElapsedTime_mS_u32_ElapsedTime	352550		
target_GetSystemTime_mS_u32_CurrentTime	91900		
target_Rte_Inst_Ap_GMStrtStop.StrtStop_Per1_APAState_State_enum	target_StrtStop_Per1_APAState_State_enur	n	
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_H	wRadpS_f32	
target_Rte_Inst_Ap_GMStrtStop.StrtStop_Per1_HwTorque_HwNm_f32	target_StrtStop_Per1_HwTorque_HwNm_f32	2	
target_Rte_Inst_Ap_GMStrtStop_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_StrtStop_Per1_SSSlew_UlspS_f32		
·	target_StrtStop_Per1_SSState_State_enum		
	target_StrtStop_Per1_VehicleSpeed_Kph_f3	2	
	0	-	
	0		
•	76.0317001		
·			
target_StrtStop_Per1_HwTorque_HwNm_f32.value	-6.95499992		
. 3.2	0		
0 _ 1 _ 1 _ 1 _ 1	0		
Name	Actual Value	Expected Value	Resul
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	
	2700007680	2700007680	
StrtStop_StopModeTimer2_mS_M_u32	966033152	966033152	
	0.063000001	0.063000001 ± 0.0001	
target_StrtStop_Per1_SSSlew_UlspS_f32.value	283.084991	283.084991 ± 0.1	

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 2.72 (Repeat Count = 1) Name	Input Value		
DtrmnElapsedTime mS u32(ElapsedTime)	target_DtrmnElapsedTime_mS_u32_Elapse	dTime	
GetSystemTime_mS_u32(CurrentTime)	target_GetSystemTime_mS_u32_CurrentTir		
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 Igc	1		
	233.065994		
k_FltRspRampDnRt_UlspS_f32	0.715499997		
k_Mode1AssistDD_UIs_f32			
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_UIs_f32	0.165199995		
target_DtrmnElapsedTime_mS_u32_ElapsedTime	357700		
target_GetSystemTime_mS_u32_CurrentTime	93250		
target_Rte_Inst_Ap_GMStrtStop_StrtStop_Per1_APAState_State_enum	target_StrtStop_Per1_APAState_State_enur	n	
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_H	wRadpS_f32	
target_Rte_Inst_Ap_GMStrtStop_StrtStop_Per1_HwTorque_HwNm_f32	target_StrtStop_Per1_HwTorque_HwNm_f3:	2	
target_Rte_Inst_Ap_GMStrtStop_StrtStop_Per1_SS12VFault_Cnt_Igc	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 f3	32	
target_StrtStop_Per1_APAState_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		
	Actual Value	Expected Value	Popul
Name		· ·	Resul
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	
StrtStop_StopModeTimer2_mS_M_u32 target_StrtStop_Per1_SSScale_UIs_f32.value	0.648199975	0.648199975 ± 0.0001	•
StrtStop_StopModeTimer2_mS_M_u32			

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 2.73 (Repeat Count = 1) Name	Input Value		
	target_DtrmnElapsedTime_mS_u32_Elapsed	dTime	
	target_GetSystemTime_mS_u32_CurrentTin		
	target_Rte_Inst_Ap_GMStrtStop		
	1		
	328.714691		
	0		
	3		
	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_UIs_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_StopMode1VehSpdTransThres_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_APAState_State_enum	target_StrtStop_Per1_APAState_State_enur	n	
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_H	wRadpS_f32	
	target_StrtStop_Per1_HwTorque_HwNm_f32	2	
target_Rte_Inst_Ap_GMStrtStop.StrtStop_Per1_SS12VFault_Cnt_Igc	target_StrtStop_Per1_SS12VFault_Cnt_lgc		
	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_StrtStop_Per1_VehicleSpeed_Kph_f3	32	
0 - 1	0		
0 = 1 = 0 1 = 1 =	0		
target_StrtStop_Per1_HandwheelVelocity_HwRadpS_f32.value	-75.2603989		
0 = 1 = = = =	-9.40680027		
. 3.2	0		
target_StrtStop_Per1_VehicleSpeed_Kph_f32.value	0		
Name	Actual Value	Expected Value	Resul
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	•
and a Common bin and a common			
0 = 1= = = =	190.363403	190.363403 ± 0.1	

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 2.74 (Repeat Count = 1) Name	Input Value		
DtrmnElapsedTime mS u32(ElapsedTime)	target_DtrmnElapsedTime_mS_u32_Elapse	dTime	
GetSystemTime_mS_u32(CurrentTime)	target_GetSystemTime_mS_u32_CurrentTim		
Rte_Inst_Ap_GMStrtStop	target Rte Inst Ap GMStrtStop		
StrtStop_SSScale_Uls_M_f32	0.479200006		
StrtStop SSSIewRatePrev 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_FitRspRampDnRt_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_UIs_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_StopMode1VehSpdTransThres_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_UIs_f32	0.494700015		
target_DtrmnElapsedTime_mS_u32_ElapsedTime	368000		
target_GetSystemTime_mS_u32_CurrentTime	95950		
target_Rte_Inst_Ap_GMStrtStop_Per1_APAState_State_enum	target_StrtStop_Per1_APAState_State_enur	n	
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_H	wRadpS_f32	
target_Rte_Inst_Ap_GMStrtStop.StrtStop_Per1_HwTorque_HwNm_f32	target_StrtStop_Per1_HwTorque_HwNm_f33	2	
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_f3	32	
target_StrtStop_Per1_APAState_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	Resul
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	•
	0.479200006	0.479200006 ± 0.0001 1 ± 0.1	

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 2.75 (Repeat Count = 1) Name	Input Value		
	Input Value	ad Time o	
DtrmnElapsedTime_mS_u32(ElapsedTime)	target_DtrmnElapsedTime_mS_u32_Elapse		
GetSystemTime_mS_u32(CurrentTime)	target_GetSystemTime_mS_u32_CurrentTi	me	
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_UIs_f32	0.799099982		
k_Mode1AssistSlew_UlspS_f32	106.996498		
k_Mode1EngTransThresh_Rpm_f32	14738.9805		
k_Mode1VehSpdTransThresh_Kph_f32	77.1166992		
k_Mode2AssistDD_UIs_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_StopMode1VehSpdTransThres_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_UIs_f32	1		
target_DtrmnElapsedTime_mS_u32_ElapsedTime	373150		
target_GetSystemTime_mS_u32_CurrentTime	97300		
target_Rte_Inst_Ap_GMStrtStop.StrtStop_Per1_APAState_State_enum	target_StrtStop_Per1_APAState_State_enu	ım	
target_Rte_Inst_Ap_GMStrtStop.StrtStop_Per1_EngSpd_Rpm_f32	target_StrtStop_Per1_EngSpd_Rpm_f32	huDadaC #22	
target_Rte_Inst_Ap_GMStrtStop.StrtStop_Per1_HandwheelVelocity_HwRadpS_f32	target_StrtStop_Per1_HandwheelVelocity_I	. –	
target_Rte_Inst_Ap_GMStrtStop_StrtStop_Per1_HwTorque_HwNm_f32	target_StrtStop_Per1_HwTorque_HwNm_f3		
target_Rte_Inst_Ap_GMStrtStop.StrtStop_Per1_SS12VFault_Cnt_Igc	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_enun		
target_Rte_Inst_Ap_GMStrtStop.StrtStop_Per1_VehicleSpeed_Kph_f32	target_StrtStop_Per1_VehicleSpeed_Kph_f	32	
target_StrtStop_Per1_APAState_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	Resul
StrtStop_SSScale_Uls_M_f32	1	1	
StrtStop SSSIewRatePrev UlspS M f32	298.603088	298.603088 ± 0.1	
StrtStop_StOpModePrevPrev_Cnt_M_enum	0	0	
StrtStop_StOpModePrev_Cnt_M_enum	3	3	
	3	3	
StrtStop_StopMode_Cnt_M_enum StrtStop_StopModeTimer1_mS_M_u22			
StrtStop_StopModeTimer1_mS_M_u32	3011734784	3011734784	
StrtStop_StopModeTimer2_mS_M_u32	1305277184	1305277184	•
	1	1 ± 0.0001	
target_StrtStop_Per1_SSScale_Uls_f32.value target_StrtStop_Per1_SSSlew_UlspS_f32.value	298.603088	298.603088 ± 0.1	

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 2.76 (Repeat Count = 1)	Innut Value		
Name	Input Value	1997	
DtrmnElapsedTime_mS_u32(ElapsedTime)	target_DtrmnElapsedTime_mS_u32_Elaps		
GetSystemTime_mS_u32(CurrentTime)	target_GetSystemTime_mS_u32_CurrentT	ime	
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		
- · · · - · - · - · - · - · · - ·	1		
k_StopModeAssistDD_UIs_f32	378300		
target_DtrmnElapsedTime_mS_u32_ElapsedTime	98650		
target_GetSystemTime_mS_u32_CurrentTime			
target_Rte_Inst_Ap_GMStrtStop.StrtStop_Per1_APAState_State_enum	target_StrtStop_Per1_APAState_State_en	um	
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_	· -	
target_Rte_Inst_Ap_GMStrtStop.StrtStop_Per1_HwTorque_HwNm_f32	target_StrtStop_Per1_HwTorque_HwNm_f		
target_Rte_Inst_Ap_GMStrtStop.StrtStop_Per1_SS12VFault_Cnt_lgc	target_StrtStop_Per1_SS12VFault_Cnt_lgd		
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_enui		
target_Rte_Inst_Ap_GMStrtStop_StrtStop_Per1_VehicleSpeed_Kph_f32	target_StrtStop_Per1_VehicleSpeed_Kph_	<u>f</u> 32	
target_StrtStop_Per1_APAState_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	Resul
StrtStop_SSScale_Uls_M_f32	1	1	
StrtStop SSSIewRatePrev UlspS M f32	1	1 ± 0.1	
StrtStop_StOpModePrevPrev_Cnt_M_enum	5	5	
	3	3	
StrtStop_StOpModePrev_Cnt_M_enum			
StrtStop_StopMode_Cnt_M_enum	3	3	•
StrtStop StopModeTimer1 mS M u32	1258847232	1258847232	•
StrtStop_StopModeTimer2_mS_M_u32	1908664832	1908664832	
	1908664832 1 1	1±0.0001 1±0.1	

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	-





Name	Input Value		
DtrmnElapsedTime_mS_u32(ElapsedTime)	target_DtrmnElapsedTime_mS_u32_Elapse	dTime	
GetSystemTime_mS_u32(CurrentTime)	target_GetSystemTime_mS_u32_CurrentTin	ne	
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		
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_UIs_f32	0.33039999		
target_DtrmnElapsedTime_mS_u32_ElapsedTime	383450		
target_GetSystemTime_mS_u32_CurrentTime	100000	_	
target_Rte_Inst_Ap_GMStrtStop.StrtStop_Per1_APAState_State_enum	target_StrtStop_Per1_APAState_State_enu	III	
target_Rte_Inst_Ap_GMStrtStop.StrtStop_Per1_EngSpd_Rpm_f32	target_StrtStop_Per1_EngSpd_Rpm_f32	h.Dd-0 (00	
target_Rte_Inst_Ap_GMStrtStop.StrtStop_Per1_HandwheelVelocity_HwRadpS_f32	1		
target_Rte_Inst_Ap_GMStrtStop.StrtStop_Per1_HwTorque_HwNm_f32	target_StrtStop_Per1_HwTorque_HwNm_f3	2	
target_Rte_Inst_Ap_GMStrtStop.StrtStop_Per1_SS12VFault_Cnt_Igc	target_StrtStop_Per1_SS12VFault_Cnt_lgc		
target_Rte_Inst_Ap_GMStrtStop.StrtStop_Per1_SSScale_Uls_f32 target_Rte_Inst_Ap_GMStrtStop.StrtStop_Per1_SSSlew_UlspS_f32	target_StrtStop_Per1_SSScale_Uls_f32		
target_Rte_Inst_Ap_GMStrtStop.StrtStop_Per1_SSState_State_enum	target_StrtStop_Per1_SSSlew_UlspS_f32 target_StrtStop_Per1_SSState_State_enum		
target Rte Inst Ap GMStrtStop.StrtStop Per1 VehicleSpeed Kph f32	target StrtStop Per1 VehicleSpeed Kph f		
target_StrtStop_Per1_APAState_State_enum.value	0	JZ	
target_StriStop_Fe11_AFAState_State_entititi.value	0		
target_StrtStop_Fer1_EngSpu_Rpm_isz.value 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	Resu
StrtStop SSScale Uls M f32	0.33039999	0.33039999	Nesu
StrtStop_SSScale_Uis_M_t32 StrtStop_SSSlewRatePrev_UlspS_M_f32	490.715088	0.33039999 490.715088 ± 0.1	
StrtStop_SSSiewRatePrev_UispS_M_132 StrtStop_StOpModePrevPrev_Cnt_M_enum	0	490.715088 ± 0.1	
StrStop_StOpModePrev_Cnt_M_enum	2	2	
StrStop_StOpMode_Cnt_M_enum	2	2	
	2943700736	2943700736	
StrlStop_StopModeTimer1_mS_M_u32			
StrtStop_StopModeTimer2_mS_M_u32	3128624384 0.33039999	3128624384	
target_StrtStop_Per1_SSScale_Uls_f32.value		0.33039999 ± 0.0001	
target_StrtStop_Per1_SSSlew_UlspS_f32.value	490.715088	490.715088 ± 0.1	

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 2.78 (Repeat Count = 1) Name	Input Value		
	target_DtrmnElapsedTime_mS_u32_Elapse	dTime	
	target_GetSystemTime_mS_u32_CurrentTir		
	target_Rte_Inst_Ap_GMStrtStop		
	1		
	380.068695		
	2		
	4		
	3		
StrtStop_StopModeTimer1_mS_M_u32	4047164928		
StrtStop_StopModeTimer2_mS_M_u32	847361024		
k_AlgEnable_Cnt_lgc	1		
k_FitRspRampDnRt_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_UIs_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_StopMode1VehSpdTransThres_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_UIs_f32	1		
target_DtrmnElapsedTime_mS_u32_ElapsedTime	388600		
target_GetSystemTime_mS_u32_CurrentTime	101350		
target_Rte_Inst_Ap_GMStrtStop_StrtStop_Per1_APAState_State_enum	target_StrtStop_Per1_APAState_State_enur	n	
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_H	wRadpS_f32	
	target_StrtStop_Per1_HwTorque_HwNm_f3	2	
target_Rte_Inst_Ap_GMStrtStop.StrtStop_Per1_SS12VFault_Cnt_Igc	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_StrtStop_Per1_VehicleSpeed_Kph_f3	32	
v =	0		
0 = 1 = 0 1 = 1	0		
3-2	0		
0 = 1 = = =	-0.530200005		
. 3.2	0		
target_StrtStop_Per1_VehicleSpeed_Kph_f32.value	0		
Name	Actual Value	Expected Value	Resul
StrtStop_SSScale_Uls_M_f32	1	1	
StrtStop_SSSlewRatePrev_UlspS_M_f32	161.642807	161.642807 ± 0.1	•
	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	•
m. 2 - T - 1 - 1 - 1 - 1 - 1 - 1 - 1 - 1 - 1			
0 = 1 = = = =	161.642807	161.642807 ± 0.1	

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 2.79 (Repeat Count = 1) Name	Input Value		
	•	adTime.	
DtrmnElapsedTime_mS_u32(ElapsedTime) CotSustamTime_mS_u22(CurrentTime)	target_DtrmnElapsedTime_mS_u32_Elaps target_GetSystemTime_mS_u32_CurrentT		
GetSystemTime_mS_u32(CurrentTime) Rte_Inst_Ap_GMStrtStop	target_Rte_Inst_Ap_GMStrtStop	iiile	
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		
StriStop 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		
	431.660889		
k_Mode1AssistSlew_UlspS_f32	8391.33398		
k_Mode1EngTransThresh_Rpm_f32			
k_Mode1VehSpdTransThresh_Kph_f32	169.195999		
k_Mode2AssistDD_UIs_f32	1 71 2140062		
k_Mode2AssistSlew_UIspS_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_StopMode1VehSpdTransThres_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_UIs_f32	1		
target_DtrmnElapsedTime_mS_u32_ElapsedTime	393750		
target_GetSystemTime_mS_u32_CurrentTime	102700		
target_Rte_Inst_Ap_GMStrtStop.StrtStop_Per1_APAState_State_enum	target_StrtStop_Per1_APAState_State_en	um	
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_f	32	
target_Rte_Inst_Ap_GMStrtStop.StrtStop_Per1_SS12VFault_Cnt_lgc	target_StrtStop_Per1_SS12VFault_Cnt_lgd	;	
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_enui	n	
target_Rte_Inst_Ap_GMStrtStop_StrtStop_Per1_VehicleSpeed_Kph_f32	target_StrtStop_Per1_VehicleSpeed_Kph_	<u>f</u> 32	
target_StrtStop_Per1_APAState_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	Resul
StrtStop_SSScale_Uls_M_f32	1	1	
StrtStop SSSIewRatePrev 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_StopModeTimer1_mS_M_u32 StrtStop_StopModeTimer2_mS_M_u32	2213127936	2213127936	
	1		
target_StrtStop_Per1_SSScale_Uls_f32.value		1 ± 0.0001	
target_StrtStop_Per1_SSSlew_UlspS_f32.value	195.041306	195.041306 ± 0.1	

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 2.80 (Repeat Count = 1) Name	Input Value		
DtrmnElapsedTime_mS_u32(ElapsedTime)	target_DtrmnElapsedTime_mS_u32_Elapse	dTime	
GetSystemTime_mS_u32(CurrentTime)	target_GetSystemTime_mS_u32_CurrentTin		
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_StopMode1VehSpdTransThres_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_APAState_State_enum	target_StrtStop_Per1_APAState_State_enu	m	
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_Rte_Inst_Ap_GMStrtStop.StrtStop_Per1_HwTorque_HwNm_f32	target_StrtStop_Per1_HwTorque_HwNm_f3		
target_Rte_Inst_Ap_GMStrtStop.StrtStop_Per1_SS12VFault_Cnt_Igc	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_SSSIew_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_f3	32	
target_StrtStop_Per1_APAState_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		1_
Name	Actual Value	Expected Value	Resu
StrtStop_SSScale_Uls_M_f32	0.107699998	0.107699998	
StrtStop_SSSIewRatePrev_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 target_StrtStop_Per1_SSSlew_UlspS_f32.value	0.107699998 489.091309	0.107699998 ± 0.0001 489.091309 ± 0.1	

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 2.81 (Repeat Count = 1)	Instruct Welling			
Name	Input Value			
DtrmnElapsedTime_mS_u32(ElapsedTime)	target_DtrmnElapsedTime_mS_u32_Elapsed			
GetSystemTime_mS_u32(CurrentTime)	target_GetSystemTime_mS_u32_CurrentTin	ne		
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_StopMode1VehSpdTransThres_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_UIs_f32	0.167699993			
target_DtrmnElapsedTime_mS_u32_ElapsedTime	404050			
target_GetSystemTime_mS_u32_CurrentTime	105400			
target_Rte_Inst_Ap_GMStrtStop.StrtStop_Per1_APAState_State_enum	target_StrtStop_Per1_APAState_State_enur	n		
target_Rte_Inst_Ap_GMStrtStop.StrtStop_Per1_EngSpd_Rpm_f32	target_StrtStop_Per1_EngSpd_Rpm_f32			
$target_Rte_Inst_Ap_GMStrtStop_StrtStop_Per1_HandwheelVelocity_HwRadpS_f32000000000000000000000000000000000000$	target_StrtStop_Per1_HandwheelVelocity_H	wRadpS_f32		
target_Rte_Inst_Ap_GMStrtStop.StrtStop_Per1_HwTorque_HwNm_f32	target_StrtStop_Per1_HwTorque_HwNm_f32	2		
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_f3	2		
target_StrtStop_Per1_APAState_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	Resul	
StrtStop_SSScale_Uls_M_f32	0.167699993	0.167699993		
StrtStop SSSIewRatePrev UlspS M f32	1	1 ± 0.1		
StrtStop StOpModePrevPrev Cnt M enum	5	5	٠,	
StrtStop StOpModePrev Cnt M enum	2	2		
StrtStop StOpMode Cnt M enum	2	2		
Strong Oropinous One in origin				
	2330903296			
StrtStop_StopModeTimer1_mS_M_u32	2330903296	2330903296		
StrtStop_StopModeTimer1_mS_M_u32 StrtStop_StopModeTimer2_mS_M_u32	3399309568	3399309568		
StrtStop_StopModeTimer1_mS_M_u32				

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	~	

target_StrtStop_Per1_SSState_State_enum.value





Test Step 2.82 (Repeat Count = 1)			
Name	Input Value		
DtrmnElapsedTime_mS_u32(ElapsedTime)	target_DtrmnElapsedTime_mS_u32_El	apsedTime	
GetSystemTime_mS_u32(CurrentTime)	target_GetSystemTime_mS_u32_Curre	ntTime	
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		
<_AlgEnable_Cnt_lgc	1		
K_FltRspRampDnRt_UlspS_f32	211.528		
C_Mode1AssistDD_Uls_f32	1		
c_Mode1AssistSlew_UlspS_f32	448.971008		
c_Mode1EngTransThresh_Rpm_f32	13789.4102		
c_Mode1VehSpdTransThresh_Kph_f32	174.196503		
x_Mode2AssistDD_Uls_f32	1		
x_Mode2AssistSlew_UlspS_f32	279.053406		
c_Mode2VehSpdTransThresh_Kph_f32	155.530899		
C_NormalModeAssistSlew_UlspS_f32	319.713501		
x_NormalModeEngTransThresh_Rpm_f32	5586.98242		
x_NormalModeVehSpdTransThresh_Kph_f32	72.0836029		
C_StopMode1AssistSlew_UlspS_f32	174.879501		
c_StopMode1HwTrqTransThresh_HwNm_f32	6.3277998		
C_StopMode1HwVelTransThresh_HwDegpS_f32	25.4627991		
c_StopMode1Timer_Sec_u16	0		
c_StopMode1VehSpdTransThres_Kph_f32	91.895401		
C_StopMode2AssistSlew_UlspS_f32	140.441895		
<_StopMode2HwTrqTransThresh_HwNm_f32	6.03009987		
<_StopMode2HwVelTransThresh_HwDegpS_f32	15.6574001		
k_StopMode2Timer_Sec_u16	0		
<_StopMode2VehSpdTransThresh_Kph_f32	55.7095985		
<_StopModeAssistDD_Uls_f32	0		
arget_DtrmnElapsedTime_mS_u32_ElapsedTime	285600		
arget_GetSystemTime_mS_u32_CurrentTime	74350		
arget_Rte_Inst_Ap_GMStrtStop.StrtStop_Per1_APAState_State_enum	target_StrtStop_Per1_APAState_State_	enum	
arget_Rte_Inst_Ap_GMStrtStop.StrtStop_Per1_EngSpd_Rpm_f32	target_StrtStop_Per1_EngSpd_Rpm_f3		
arget_Rte_Inst_Ap_GMStrtStop.StrtStop_Per1_HandwheelVelocity_HwRadpS_f32	target_StrtStop_Per1_HandwheelVeloc	ity_HwRadpS_f32	
arget_Rte_Inst_Ap_GMStrtStop.StrtStop_Per1_HwTorque_HwNm_f32	target_StrtStop_Per1_HwTorque_HwNi	n_f32	
arget_Rte_Inst_Ap_GMStrtStop.StrtStop_Per1_SS12VFault_Cnt_lgc	target_StrtStop_Per1_SS12VFault_Cnt	_lgc	
arget_Rte_Inst_Ap_GMStrtStop.StrtStop_Per1_SSScale_Uls_f32	target_StrtStop_Per1_SSScale_Uls_f32	2	
arget_Rte_Inst_Ap_GMStrtStop.StrtStop_Per1_SSSlew_UlspS_f32	target_StrtStop_Per1_SSSlew_UlspS_f		
arget_Rte_Inst_Ap_GMStrtStop.StrtStop_Per1_SSState_State_enum	target_StrtStop_Per1_SSState_State_e	num	
arget_Rte_Inst_Ap_GMStrtStop.StrtStop_Per1_VehicleSpeed_Kph_f32	target_StrtStop_Per1_VehicleSpeed_K	oh_f32	
arget_StrtStop_Per1_APAState_State_enum.value	3		
arget_StrtStop_Per1_EngSpd_Rpm_f32.value	0		
arget_StrtStop_Per1_HandwheelVelocity_HwRadpS_f32.value	0		
arget_StrtStop_Per1_HwTorque_HwNm_f32.value	0		
arget_StrtStop_Per1_SS12VFault_Cnt_lgc.value	0		
arget_StrtStop_Per1_VehicleSpeed_Kph_f32.value	0		
Name	Actual Value	Expected Value	Resu
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	
2101 00 11 1 0 1 11	2	2	
strtStop_StOpMode_Cnt_M_enum			
	3373097472	3373097472	
StrtStop_StopModeTimer1_mS_M_u32	3373097472 4274741248	3373097472 4274741248	
StrtStop_StopModeTimer1_mS_M_u32 StrtStop_StopModeTimer2_mS_M_u32			
StrtStop_StOpMode_Cnt_M_enum StrtStop_StopModeTimer1_mS_M_u32 StrtStop_StopModeTimer2_mS_M_u32 target_StrtStop_Per1_SSScale_Uls_f32.value target_StrtStop_Per1_SSSlew_UlspS_f32.value	4274741248	4274741248	

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	✓

target_StrtStop_Per1_SSState_State_enum.value





Test Step 2.83 (Repeat Count = 1)	Inmut Value			
Name	Input Value	. 		
DtrmnElapsedTime_mS_u32(ElapsedTime)	target_DtrmnElapsedTime_mS_u32_Elapse			
GetSystemTime_mS_u32(CurrentTime)	target_GetSystemTime_mS_u32_CurrentTi	ne		
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_UIs_f32	0.107900001			
k_Mode1AssistSlew_UlspS_f32	389.873901			
k_Mode1EngTransThresh_Rpm_f32	7631.70166			
k_Mode1VehSpdTransThresh_Kph_f32	119.3209			
k_Mode2AssistDD_UIs_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_APAState_State_enum	target_StrtStop_Per1_APAState_State_enu	m		
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_F	lwRadpS_f32		
target_Rte_Inst_Ap_GMStrtStop.StrtStop_Per1_HwTorque_HwNm_f32	target_StrtStop_Per1_HwTorque_HwNm_f3	2		
target_Rte_Inst_Ap_GMStrtStop.StrtStop_Per1_SS12VFault_Cnt_Igc	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_f	32		
target_StrtStop_Per1_APAState_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	Resu	
StrtStop_SSScale_Uls_M_f32	1	1		
StrtStop SSSIewRatePrev 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		

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 2.84 (Repeat Count = 1) Name	Input Value		
DtrmnElapsedTime_mS_u32(ElapsedTime)	target_DtrmnElapsedTime_mS_u32_Elapse	dTime	
GetSystemTime_mS_u32(CurrentTime)	target_GetSystemTime_mS_u32_CurrentTin		
Rte_Inst_Ap_GMStrtStop	target Rte Inst Ap GMStrtStop		
StrtStop_SSScale_Uls_M_f32	1		
StrtStop_SSSIewRatePrev_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_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_APAState_State_enum	target_StrtStop_Per1_APAState_State_enu	m	
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	V -	· -	
target_Rte_Inst_Ap_GMStrtStop.StrtStop_Per1_HwTorque_HwNm_f32	target_StrtStop_Per1_HwTorque_HwNm_f3	2	
target_Rte_Inst_Ap_GMStrtStop.StrtStop_Per1_SS12VFault_Cnt_Igc	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_SSSIew_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_f3	32	
target_StrtStop_Per1_APAState_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	Resu
StrtStop_SSScale_UIs_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	
	0.0040000000	0.00100000000	
target_StrtStop_Per1_SSScale_Uls_f32.value target_StrtStop_Per1_SSSlew_UlspS_f32.value	0.00109999999 397.794098	0.00109999999 ± 0.0001 397.794098 ± 0.1	

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 2.85 (Repeat Count = 1)	Innut Value		
Name	Input Value	dTime	
DtrmnElapsedTime_mS_u32(ElapsedTime) CotSustamTime_mS_u22(CurrentTime)	target_DtrmnElapsedTime_mS_u32_Elapse		
GetSystemTime_mS_u32(CurrentTime)	target_GetSystemTime_mS_u32_CurrentTi	nie	
Rte_Inst_Ap_GMStrtStop	target_Rte_Inst_Ap_GMStrtStop		
StrtStop_SSScale_UIs_M_f32			
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_UIs_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		
- · - · - · - · - · - · - · - · - · · - · · - ·	1		
k_StopModeAssistDD_UIs_f32	471000		
target_DtrmnElapsedTime_mS_u32_ElapsedTime			
target_GetSystemTime_mS_u32_CurrentTime	O		
target_Rte_Inst_Ap_GMStrtStop.StrtStop_Per1_APAState_State_enum	target_StrtStop_Per1_APAState_State_enu	III	
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_H		
target_Rte_Inst_Ap_GMStrtStop.StrtStop_Per1_HwTorque_HwNm_f32	target_StrtStop_Per1_HwTorque_HwNm_f3	2	
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_f	32	
target_StrtStop_Per1_APAState_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	Resul
StrtStop SSScale Uls M f32	1	1	11000
StrtStop SSSIewRatePrev UlspS M f32	71.9817963	71.9817963 ± 0.1	
StrtStop_StOpModePrevPrev_Cnt_M_enum	0	71.9617903 ± 0.1	
		1	
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	•
	1	1 ± 0.0001	
target_StrtStop_Per1_SSScale_UIs_f32.value target_StrtStop_Per1_SSSlew_UIspS_f32.value	71.9817963	71.9817963 ± 0.1	

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 2.86 (Repeat Count = 1) Name	Input Value		
	target_DtrmnElapsedTime_mS_u32_Elapse	NTime	
	target_GetSystemTime_mS_u32_CurrentTim		
	target_Rte_Inst_Ap_GMStrtStop		
	1		
1= = = =	360.911102		
	4		
	3		
	2		
	2607812864		
	1670838016		
	1		
	99.7701035		
	0.0491000004		
	371.695313		
	815.190613		
	87.7738037		
	0.309799999		
	500		
	0		
	189.737503		
	1043.2655		
	0.414499998		
k_StopMode1AssistSlew_UlspS_f32	410.842407		
	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_UIs_f32	0.477100015		
target_DtrmnElapsedTime_mS_u32_ElapsedTime	476150		
target_GetSystemTime_mS_u32_CurrentTime	4294967295		
target_Rte_Inst_Ap_GMStrtStop.StrtStop_Per1_APAState_State_enum	target_StrtStop_Per1_APAState_State_enur	n	
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_H	wRadpS_f32	
target_Rte_Inst_Ap_GMStrtStop.StrtStop_Per1_HwTorque_HwNm_f32	target_StrtStop_Per1_HwTorque_HwNm_f32	2	
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	$target_StrtStop_Per1_VehicleSpeed_Kph_f3$	2	
target_StrtStop_Per1_APAState_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	Resul
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	•
	2607812864	2607812864	
StrtStop_StopModeTimer2_mS_M_u32	4294967295	4294967295	•
	0.309799999	0.309799999 ± 0.0001	
target_StrtStop_Per1_SSScale_Uls_f32.value	0.000.0000		
	99.7701035	99.7701035 ± 0.1	

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 2.87 (Repeat Count = 1) Name	Input Value		
	target_DtrmnElapsedTime_mS_u32_Elapse	dTime	
	target_GetSystemTime_mS_u32_CurrentTir		
	target Rte Inst Ap GMStrtStop		
	0.855499983		
·	134.473801		
	3		
	5		
	2		
	2194837504		
	3447053824		
	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_APAState_State_enum	target_StrtStop_Per1_APAState_State_enur	n	
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_H	wRadpS_f32	
target_Rte_Inst_Ap_GMStrtStop.StrtStop_Per1_HwTorque_HwNm_f32	target_StrtStop_Per1_HwTorque_HwNm_f3	2	
target_Rte_Inst_Ap_GMStrtStop_StrtStop_Per1_SS12VFault_Cnt_Igc	target_StrtStop_Per1_SS12VFault_Cnt_lgc		
	target_StrtStop_Per1_SSScale_Uls_f32		
	target_StrtStop_Per1_SSSlew_UlspS_f32		
	target_StrtStop_Per1_SSState_State_enum		
	target_StrtStop_Per1_VehicleSpeed_Kph_f3	32	
0 _ 1	0		
0 = 1 = 0 1 = 1 =	0		
target_StrtStop_Per1_HandwheelVelocity_HwRadpS_f32.value	76.5552979		
0 _ 1	7.63129997		
3.2	0		
target_StrtStop_Per1_VehicleSpeed_Kph_f32.value	75.4552002		
Name	Actual Value	Expected Value	Resul
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	•
	l .	4 : 0 4	
target_StrtStop_Per1_SSSlew_UlspS_f32.value	1	1 ± 0.1	•

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 2.88 (Repeat Count = 1)			~
Name	Input Value		
DtrmnElapsedTime_mS_u32(ElapsedTime)	target_DtrmnElapsedTime_mS_u32_Elapsed		
GetSystemTime_mS_u32(CurrentTime)	target_GetSystemTime_mS_u32_CurrentTim	ne	
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			
StrtStop_StopModeTimer1_mS_M_u32	2036798208 271919360		
StrtStop_StopModeTimer2_mS_M_u32	1		
k_AlgEnable_Cnt_lgc	236.447403		
k_FltRspRampDnRt_UlspS_f32	0.454400003		
k_Mode1AssistDD_UIs_f32			
k_Mode1AssistSlew_UlspS_f32	283.343201		
k_Mode1EngTransThresh_Rpm_f32	894.039917		
k_Mode1VehSpdTransThresh_Kph_f32	197.780304		
k_Mode2AssistDD_UIs_f32	1		
k_Mode2\/chSpdTrageThreeh_Koh_f22	67.2693024 109.674797		
k_Mode2VehSpdTransThresh_Kph_f32 k_NormalModeAssistSlew_UlspS_f32	409.145508		
	566.60498		
k_NormalModeEngTransThresh_Rpm_f32	82.4135971		
k_NormalModeVehSpdTransThresh_Kph_f32 k_StopMode1AssistSlew_UlspS_f32	389.497101		
	2.90280008		
k_StopMode1HwTrqTransThresh_HwNm_f32 k_StopMode1HwVelTransThresh_HwDegpS_f32	44.207901		
k StopMode1Timer Sec u16	1		
k_StopMode1VehSpdTransThres_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_APAState_State_enum	target_StrtStop_Per1_APAState_State_enum	n	
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		wRadnS 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 Igc		
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_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 f3	2	
target_StrtStop_Per1_APAState_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	Resul
StrtStop_SSScale_Uls_M_f32	1	1	1.000
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	
		0	
	0	. •	
StrtStop_StOpMode_Cnt_M_enum	0 2036798208	2036798208	
StrtStop_StOpMode_Cnt_M_enum StrtStop_StopModeTimer1_mS_M_u32	2036798208	2036798208	
StrtStop_StOpMode_Cnt_M_enum StrtStop_StopModeTimer1_mS_M_u32 StrtStop_StopModeTimer2_mS_M_u32	2036798208 271919360	271919360	
StrtStop_StOpMode_Cnt_M_enum StrtStop_StopModeTimer1_mS_M_u32	2036798208		
StrtStop_StOpMode_Cnt_M_enum StrtStop_StopModeTimer1_mS_M_u32 StrtStop_StopModeTimer2_mS_M_u32 target_StrtStop_Per1_SSScale_UIs_f32.value	2036798208 271919360 1	271919360 1 ± 0.0001	

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 2.89 (Repeat Count = 1)			
Name	Input Value		
DtrmnElapsedTime_mS_u32(ElapsedTime)	target_DtrmnElapsedTime_mS_u32_Elapse		
GetSystemTime_mS_u32(CurrentTime)	target_GetSystemTime_mS_u32_CurrentTin	me	
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_UIs_f32	0.978100002		
k_Mode1AssistSlew_UlspS_f32	46.6551018		
k_Mode1EngTransThresh_Rpm_f32	7965.05811		
k_Mode1VehSpdTransThresh_Kph_f32	68.3089981		
k_Mode2AssistDD_UIs_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		
	5.28299999		
k_StopMode2HwTrqTransThresh_HwNm_f32	131.232697		
k_StopMode2HwVelTransThresh_HwDegpS_f32			
k_StopMode2Timer_Sec_u16	0		
k_StopMode2VehSpdTransThresh_Kph_f32	89.4188995		
k_StopModeAssistDD_UIs_f32	1		
target_DtrmnElapsedTime_mS_u32_ElapsedTime	4294967295		
target_GetSystemTime_mS_u32_CurrentTime	128350		
target_Rte_Inst_Ap_GMStrtStop_StrtStop_Per1_APAState_State_enum	target_StrtStop_Per1_APAState_State_enu	m	
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_f3:	target_StrtStop_Per1_HandwheelVelocity_F	lwRadpS_f32	
target_Rte_Inst_Ap_GMStrtStop.StrtStop_Per1_HwTorque_HwNm_f32	target_StrtStop_Per1_HwTorque_HwNm_f3	2	
target_Rte_Inst_Ap_GMStrtStop.StrtStop_Per1_SS12VFault_Cnt_Igc	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	ı	
target_Rte_Inst_Ap_GMStrtStop.StrtStop_Per1_VehicleSpeed_Kph_f32	target_StrtStop_Per1_VehicleSpeed_Kph_f3	32	
target_StrtStop_Per1_APAState_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		
		Expected Value	Resul
Name	Actual Value	•	Resu
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	•
torget StdStep Dorf SSSlew Hens 62 value	405.189697	405.189697 ± 0.1	
target_StrtStop_Per1_SSSlew_UlspS_f32.value	1.00		

Test Step Call Trace				V
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 2.90 (Repeat Count = 1)	Innut Value		
Name	Input Value	and Time	
DtrmnElapsedTime_mS_u32(ElapsedTime)	target_DtrmnElapsedTime_mS_u32_Elap		
GetSystemTime_mS_u32(CurrentTime)	target_GetSystemTime_mS_u32_CurrentTime		
Rte_Inst_Ap_GMStrtStop	target_Rte_Inst_Ap_GMStrtStop		
StrtStop_SSScale_UIs_M_f32	1		
StrtStop_SSSlewRatePrev_UlspS_M_f32	299.682587		
StrtStop_StOpModePrevPrev_Cnt_M_enum	3		
StrtStop_StOpModePrev_Cnt_M_enum	5 1		
StrtStop_StOpMode_Cnt_M_enum			
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_UIs_f32	1		
k_Mode1AssistSlew_UlspS_f32	54.2549019		
k_Mode1EngTransThresh_Rpm_f32	7735.96436		
k_Mode1VehSpdTransThresh_Kph_f32	72.376503		
k_Mode2AssistDD_UIs_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_StopMode1VehSpdTransThres_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_UIs_f32	0.370400012		
target_DtrmnElapsedTime_mS_u32_ElapsedTime	496750		
target_GetSystemTime_mS_u32_CurrentTime	129700		
target_Rte_Inst_Ap_GMStrtStop_StrtStop_Per1_APAState_State_enum	target_StrtStop_Per1_APAState_State_e	num	
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_Per1_SS12VFault_Cnt_lgc	target_StrtStop_Per1_SS12VFault_Cnt_l	gc	
target_Rte_Inst_Ap_GMStrtStop.StrtStop_Per1_SSScale_Uls_f32	target_StrtStop_Per1_SSScale_Uls_f32		
target_Rte_Inst_Ap_GMStrtStop_Per1_SSSlew_UlspS_f32	target_StrtStop_Per1_SSSlew_UlspS_f32	2	
target_Rte_Inst_Ap_GMStrtStop.StrtStop_Per1_SSState_State_enum	target_StrtStop_Per1_SSState_State_en	um	
target_Rte_Inst_Ap_GMStrtStop_Per1_VehicleSpeed_Kph_f32	target_StrtStop_Per1_VehicleSpeed_Kph	ı_f32	
target_StrtStop_Per1_APAState_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	Resul
	1	1	Resul
StrtStop_SSScale_UIs_M_f32			
StrtStop_SSSlewRatePrev_UlspS_M_f32 StrtStop_StOpModePrevPrev_Cnt_M_opum	5	1 ± 0.1	
StrtStop_StOpModePrev_Cnt_M_enum	1	1	
StrtStop_StOpModePrev_Cnt_M_enum			
StrtStop_StOpMode_Cnt_M_enum	1	1	•
StrtStop_StopModeTimer1_mS_M_u32	3756401920	3756401920	•
StrtStop_StopModeTimer2_mS_M_u32	2786388736	2786388736	•
	1	1 ± 0.0001	
target_StrtStop_Per1_SSScale_UIs_f32.value target_StrtStop_Per1_SSSlew_UIspS_f32.value	1	1 ± 0.1	

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	✓

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Test Case 3: Path Test

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

Razonat

Specification

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

CPU Cycles:

TS3.1 328.00 Cycles
TS3.2 343.00 Cycles
TS3.3 345.00 Cycles
TS3.3 4 391.00 Cycles
TS3.4 391.00 Cycles
TS3.5 815.00 Cycles
TS3.6 394.00 Cycles
TS3.7 418.00 Cycles
TS3.9 902.00 Cycles
TS3.10 955.00 Cycles
TS3.11 395.00 Cycles
TS3.11 39.00 Cycles
TS3.12 326.00 Cycles
TS3.13 918.00 Cycles
TS3.14 893.00 Cycles
TS3.15 916.00 Cycles
TS3.15 916.00 Cycles
TS3.17 961.00 Cycles
TS3.18 918.00 Cycles
TS3.19 900 Cycles
TS3.20 952.00 Cycles
TS3.21 930.00 Cycles
TS3.22 938.00 Cycles
TS3.23 372.00 Cycles
TS3.23 972.00 Cycles
TS3.24 964.00 Cycles
TS3.25 947.00 Cycles



Description Vector Description

```
TS3.1"(k_AlgEnable_Cnt_lgc == FALSE)=true
 IS3.1"(K_AlgEnable_Cnt_Igc == FALSE)=true
(APAState_State_T_enum == D_APASTNORM_CNT_U08)=false"
TS3.2(SS12VFault_Cnt_T_Igc == TRUE)=true
TS3.3(VehicleSpeed_Kph_T_f32 > k_Mode2VehSpdTransThresh_Kph_f32)=false
TS3.4"(SS12VFault_Cnt_T_Igc == TRUE)=true
(APAState_State_T_enum == D_APASTNORM_CNT_U08)=true"
TS3.5"(SS12VFault_Cnt_T_Igc == TRUE)=false
((EngSpd_Rpm_T_f32 <= k_Mode1EngTransThresh_Rpm_f32)T_&&
((EngSpd_Rpm_T_f32 <= k_Mode1EngTransThresh_Rpm
   (VehicleSpeed_Kph_T_f32 <= k_Mode1VehSpdTransThresh_Kph_f32)T)=true"
TS3.6"(SS12VFault_Cnt_T_lgc == TRUE)=false
((EngSpd_Rpm_T_f32 <= k_Mode1EngTransThresh_Rpm_f32)F &&
  ((EngSpd_kpm_i_siz <= k_Mode1Eng irans i nresn_kpm_f3z)F && (VehicleSpeed_kph_T_f32 <= k_Mode1VehSpdTransThresh_kph_f32)T)=False"
TS3.7"(SS12VFault_Cnt_T_lgc == TRUE)=false
((EngSpd_kpm_T_f32 <= k_Mode1EngTransThresh_kpm_f32)T && (VehicleSpeed_kph_T_f32 <= k_Mode1VehSpdTransThresh_kph_f32)F)=False"
TS3.8"( (VehicleSpeed_kph_T_f32 >= k_NormalModeVehSpdTransThresh_kph_f32)T || (EngSpd_kpm_T_f32 > k_NormalModeEngTransThresh_kpm_f32) )=true"
      TS3.9"case SS_Intermediate1
     (EngSpd_Rpm_T_f32 > k_NormalModeEngTransThresh_Rpm_f32) =true"
TS3.10"case SS_Stop:
(EngSpd_Rpm_T_f32 > k_NormalModeEngTransThresh_Rpm_f32)=false
      (VehicleSpeed_Kph_T_f32 > k_Mode2VehSpdTransThresh_Kph_f32)=true"
     TS3 11case default
     TS3.12"(k_AlgEnable_Cnt_lgc == FALSE)=true
  TS3.13"(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) &&
(AbsHandwheelVelocity_HwDegpS_T_f32 <= k_StopMode1HwVelTransThresh_HwDegpS_f32) &&
(AbsHwTorque_HwMm_T_f32 <= k_StopMode1HwTrqTransThresh_HwMm_f32) &&
(AbsHwTorque_HwMm_T_f32 <= k_StopMode1HwTrqTransThresh_HwMm_f32) &&
(AbsHwTorque_HwNm_T_f32 <= k_StopMode1HwTrqTransThresh_HwNm_f32) && (ElapsedTime1_mS_T_u32 >= ((uint32)k_StopMode1Timer_Sec_u16 * (uint32)b_MSECPERSEC_ULS_F32)) )=false"
TS3.14"( (VehicleSpeed_Kph_T_f32 <= k_StopMode1VehSpdTransThres_Kph_f32)T && (AbsHandwheelVelocity_HwDegpS_T_f32 <= k_StopMode1HwVelTransThresh_HwDegpS_f32) F&& (AbsHwTorque_HwNm_T_f32 <= k_StopMode1HwTrqTransThresh_HwNm_f32) && (ElapsedTime1_mS_T_u32 >= ((uint32)k_StopMode1Timer_Sec_u16 * (uint32)D_MSECPERSEC_ULS_F32)) )=false"
TS3.15"( (VehicleSpeed_Kph_T_f32 <= k_StopMode1VehSpdTransThres_Kph_f32) T&& (AbsHandwheelVelocity_HwDegpS_T_f32 <= k_StopMode1HwVelTransThresh_HwDegpS_f32)T && (AbsHwTorque_HwNm_T_f32 <= k_StopMode1HwTrqTransThresh_HwNm_f32)F && (ElapsedTime1_mS_T_u32 >= ((uint32)k_StopMode1Timer_Sec_u16 * (uint32)D_MSECPERSEC_ULS_F32)) )=false"
TS3.16"( (VehicleSpeed_Kph_T_f32 <= k_StopMode1VehSpdTransThres_Kph_f32)T && (AbsHwTorque_HwNm_f32 <= k_StopMode1WrqTransThres_Kph_f32)T && (AbsHwTorque_HwNm_T_f32 <= k_StopMode1HwTrqTransThres_Kph_f32)T && (AbsHwTorque_HwNm_T_f32 <= k_StopMode1HwTrqTransThresh_HwNm_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 )=TRUficeT_units_f12 = k_StopMode1HwTrqTransThresh_HwNm_f32)T && (ElapsedTime1_mS_T_u32 >= ((uint32)k_StopMode1Timer_Sec_u16 * (uint32)D_MSECPERSEC_ULS_F32))T )=TRUficeT_units_f12 = k_StopMode1Timer_Sec_u16 * (uint32)D_MSECPERSEC_ULS_F32))T )=TRUficeT_units_f12 = k_StopMode1Timer_S
  (VehicleSpeed_Kph_T_f32 >= k_NormalModeVehSpdTransThresh_Kph_f32) ||

(EngSpd_Rpm_T_f32 > k_NormalModeEngTransThresh_Rpm_f32) )=TRUE"

TS3.19"case SS_Intermediate2 :
 TS3.19"case SS_Intermediate2:

((VehicleSpeed_Kph_T_f32 >= k_NormalModeVehSpdTransThresh_Kph_f32) ||

(EngSpd_Rpm_T_f32 > k_NormalModeEngTransThresh_Rpm_f32) )=FALSE

((VehicleSpeed_Kph_T_f32 <= k_StopMode2VehSpdTransThresh_Kph_f32) &&

(AbsHandwheelVelocity_HwDegpS_T_f32 <= k_StopMode2HwVelTransThresh_HwDegpS_f32) &&

(AbsHwTorque_HwNm_T_f32 <= k_StopMode2HwTrqTransThresh_HwNm_f32) &&

(ElapsedTime2_mS_T_u32 >= ((uint32)k_StopMode2Timer_Sec_u16 * (uint32)D_MSECPERSEC_ULS_F32)) )=FALSE"

TS3.20"case SS_Intermediate2:
 IS3.20"case SS_intermediate2:

((VehicleSpeed_Kph_T_f32 >= k_NormalModeVehSpdTransThresh_Kph_f32) ||

(EngSpd_Rpm_T_f32 > k_NormalModeEngTransThresh_Rpm_f32) )=FALSE

((VehicleSpeed_Kph_T_f32 <= k_StopMode2VehSpdTransThresh_Kph_f32) &&

(AbsHandwheelVelocity_HwDegpS_T_f32 <= k_StopMode2HwVetTransThresh_HwDegpS_f32) &&

(AbsHwTorque_HwNm_T_f32 <= k_StopMode2HwTrqTransThresh_HwNm_f32) &&

(ElapsedTime2_mS_T_u32 >= ((uint32)k_StopMode2Timer_Sec_u16 * (uint32)D_MSECPERSEC_ULS_F32)) )=FALSE"

TS3.21"case SS_Intermediate2:
   TS3.21"case SS_Intermediate2 :
 IS3.21"case SS_Intermediate2:

((VehicleSpeed_Kph_T_f32 >= k_NormalModeVehSpdTransThresh_Kph_f32) ||

(EngSpd_Rpm_T_f32 > k_NormalModeEngTransThresh_Rpm_f32))=FALSE

((VehicleSpeed_Kph_T_f32 <= k_StopMode2VehSpdTransThresh_Kph_f32) &&

(AbsHandwheelVelocity_HwDegpS_T_f32 <= k_StopMode2HwVelTransThresh_HwDegpS_f32) &&

(AbsHwTorque_HwNm_T_f32 <= k_StopMode2HwTrqTransThresh_HwNm_f32) &&

(ElapsedTime2_mS_T_u32 >= ((uint32)k_StopMode2Timer_Sec_u16 * (uint32)D_MSECPERSEC_ULS_F32)))=TRUE"

TS3.22"((VehicleSpeed_Kph_T_f32 <= k_StopMode1VehSpdTransThresh_HwDegpS_f32)T &&

(AbsHwTorque_HwNm_T_f32 <= k_StopMode1HwVelTransThresh_HwDegpS_f32)T &&

(ElapsedTime1_mS_T_u32 >= ((uint32)k_StopMode1HwTrqTransThresh_HwMm_f32)T &&

(ElapsedTime1_mS_T_u32 >= ((uint32)k_StopMode1HwTrqTransThresh_HwMm_f32)T &&

(ElapsedTime1_mS_T_u32 >= ((uint32)k_StopMode1HwTrqTransThresh_HwMm_f32)T &&
                                 ElapsedTime1_mS_T_u32 >= ((uint32)k_StopMode1Timer_Sec_u16 * (uint32)D_MSECPERSEC_ULS_F32))F )=false
 (ElapsedTime1_mS_T_u32 >= ((uint32)k_StopMode1Timer_Sec_u16 * (uint32)D_MSECPERSEC_ULS_F32))F )=false"
TS3.23"case SS_Stop:
(EngSpd_Rpm_T_f32 > k_NormalModeEngTransThresh_Rpm_f32)=true"
TS3.24"((VehicleSpeed_Kph_T_f32 <= k_StopMode2VehSpdTransThresh_Kph_f32)F&&
(AbsHandwheelVelocity_HwDegpS_T_f32 <= k_StopMode2HwVelTransThresh_HwDegpS_f32)F &&
(AbsHwTorque_HwNm_T_f32 <= k_StopMode2HwTrqTransThresh_HwNm_f32)T &&
(ElapsedTime2_mS_T_u32 >= ((uint32)k_StopMode2Timer_Sec_u16 * (uint32)D_MSECPERSEC_ULS_F32))T )=true"
TS3.25"((VehicleSpeed_Kph_T_f32 <= k_StopMode2VehSpdTransThresh_Kph_f32)T&&
(AbsHandwheelVelocity_HwDegpS_T_f32 <= k_StopMode2HwVelTransThresh_HwDegpS_f32)T &&
(AbsHwTorque_HwNm_T_f32 <= k_StopMode2HwTrqTransThresh_HwNm_f32)T &&
(ElapsedTime2_mS_T_u32 >= ((uint32)k_StopMode2Timer_Sec_u16 * (uint32)D_MSECPERSEC_ULS_F32))F)=false"
```

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

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StrtStop_Per1		(MAC)	<i>A</i>
Name	Input Value		
StrtStop_SSScale_Uls_M_f32	0		
StrtStop_SSSIewRatePrev_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_UIs_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	0.10000001		
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_UIs_f32	0		
target_DtrmnElapsedTime_mS_u32_ElapsedTime	0		
target_GetSystemTime_mS_u32_CurrentTime	0		
target_Rte_Inst_Ap_GMStrtStop_StrtStop_Per1_APAState_State_enum	target_StrtStop_Per1_APAState_State_enum	n	
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_H	wRadpS_f32	
target_Rte_Inst_Ap_GMStrtStop.StrtStop_Per1_HwTorque_HwNm_f32	target_StrtStop_Per1_HwTorque_HwNm_f32	2	
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_f3	2	
target_StrtStop_Per1_APAState_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	V
StrtStop_StOpModePrev_Cnt_M_enum	5	5	~
StrtStop_StOpMode_Cnt_M_enum	5	5	V
StrtStop_StopModeTimer1_mS_M_u32	0	0	V
StrtStop_StopModeTimer2_mS_M_u32	0	0	V
target_StrtStop_Per1_SSScale_UIs_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	

StrtStop_Per1

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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_UIs_f32	1		
k_Mode1AssistSlew_UlspS_f32	500		
k Mode1EngTransThresh Rpm f32	16383.75		
k Mode1VehSpdTransThresh Kph f32	200		
k_Mode2AssistDD_UIs_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_UIs_f32	1		
target_DtrmnElapsedTime_mS_u32_ElapsedTime	4294967295		
target_GetSystemTime_mS_u32_CurrentTime	4294967295		
target_Rte_Inst_Ap_GMStrtStop.StrtStop_Per1_APAState_State_enum	target_StrtStop_Per1_APAState_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	_f32 target_StrtStop_Per1_HandwheelVelocity_HwRadpS_f32		
target_Rte_Inst_Ap_GMStrtStop.StrtStop_Per1_HwTorque_HwNm_f32	target_StrtStop_Per1_HwTorque_HwNm_f32	2	
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_f3	2	
target_StrtStop_Per1_APAState_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		
		Fune start Value	Result
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	<u> </u>
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	✓

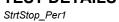
Test Step Call Trace				
Actual Function	Count	Expected Function	Count	Result
PreviousStCalc	1	PreviousStCalc	1	~
SlewRateCalc	1	SlewRateCalc	1	•

1 ± 0.1

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

target_StrtStop_Per1_SSSlew_UlspS_f32.value

 $target_StrtStop_Per1_SSState_State_enum.value$





		(:-	
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_FitRspRampDnRt_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_UIs_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_APAState_State_enum	target_StrtStop_Per1_APAState_State_enum	n	
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_H	wRadpS_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_f3	2	
target_StrtStop_Per1_APAState_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			V	
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

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_FitRspRampDnRt_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 HwDeqpS 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_APAState_State_enum	target_StrtStop_Per1_APAState_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		HwRadnS f32	
target Rte Inst Ap GMStrtStop.StrtStop Per1 HwTorque HwNm f32	target StrtStop Per1 HwTorque HwNm f3	· -	
target_Rte_Inst_Ap_GMStrtStop_StrtStop_Per1_SS12VFault_Cnt_Igc	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	1	
target_Rte_Inst_Ap_GMStrtStop_StrtStop_Per1_VehicleSpeed_Kph_f32	target_StrtStop_Per1_VehicleSpeed_Kph_f		
target_StrtStop_Per1_APAState_State_enum.value	2	52	
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		
		Formando d Wales	D 14
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			V	
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

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 UIs 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	28100 6850		
target_Rte_Inst_Ap_GMStrtStop_StrtStop_Per1_APAState_State_enum	target_StrtStop_Per1_APAState_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_Rte_Inst_Ap_GMStrtStop.StrtStop_Per1_HwTorque_HwNm_f32	target_StrtStop_Per1_HwTorque_HwNm_f32		
target_Rte_Inst_Ap_GMStrtStop.StrtStop_Per1_SS12VFault_Cnt_Igc	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_f3		
target_StrtStop_Per1_APAState_State_enum.value		52	
target_StrtStop_Per1_EngSpd_Rpm_f32.value	0		
	-75.9717026		
target_StrtStop_Per1_HandwheelVelocity_HwRadpS_f32.value target StrtStop Per1 HwTorque HwNm f32.value	-0.809099972		
* - '	0		
target_StrtStop_Per1_SS12VFault_Cnt_lgc.value target_StrtStop_Per1_VehicleSpeed_Kph_f32.value	51.7583008		
		Even ete d Value	Deculé
Name	Actual Value	Expected Value	Result
StrlStop_SSScale_Uls_M_f32	1	1	-
StrtStop_SSSlewRatePrev_UlspS_M_f32 StrtStop_StOpModePrevPrev_Cnt_M_enum	448.061401	448.061401 ± 0.1	
StrtStop StOpModePrev Cnt_M_enum StrtStop StOpModePrev Cnt M_enum	1	1	
	1	1	~
StrtStop_StOpMode_Cnt_M_enum			
StrtStop_StopModeTimer1_mS_M_u32	6850	6850	· ·
StrtStop_StopModeTimer2_mS_M_u32	3035725312	3035725312	· ·
target_StrtStop_Per1_SSScale_UIs_f32.value	1	1 ± 0.0001	•
target_StrtStop_Per1_SSSIew_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 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

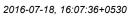




Name	Input Value		
StrtStop_StOpMode_Cnt_M_enum	0		
StrtStop_StopModeTimer1_mS_M_u32	3264295680		
StrtStop_StopModeTimer2_mS_M_u32	1346521344		
k_AlgEnable_Cnt_lgc	1		
k FltRspRampDnRt UlspS f32	238.894196		
k_Mode1AssistDD_UIs_f32	0.551999986		
k Mode1AssistSlew UlspS f32	98.0671005		
k_Mode1EngTransThresh_Rpm_f32	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_UIs_f32	0.469399989		
target_DtrmnElapsedTime_mS_u32_ElapsedTime	33250		
target_GetSystemTime_mS_u32_CurrentTime	8200		
target_Rte_Inst_Ap_GMStrtStop_StrtStop_Per1_APAState_State_enum	target_StrtStop_Per1_APAState_State_enur	n	
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_H	lwRadpS f32	
target_Rte_Inst_Ap_GMStrtStop_StrtStop_Per1_HwTorque_HwNm_f32	target_StrtStop_Per1_HwTorque_HwNm_f3:	. –	
target Rte Inst Ap GMStrtStop.StrtStop Per1 SS12VFault Cnt Igc	target StrtStop Per1 SS12VFault Cnt Igc		
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_f3		
target_StrtStop_Per1_APAState_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	Resul
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_SSScale_UIs_f32.value target_StrtStop_Per1_SSSlew_UIspS_f32.value	0.420300007 0.598399997	0.420300007 ± 0.0001 0.598399997 ± 0.1	

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





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_UIs_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			
	3.55259991			
k_StopMode2HwTrqTransThresh_HwNm_f32	53.4832001			
k_StopMode2HwVelTransThresh_HwDegpS_f32	55.4652001			
k_StopMode2Timer_Sec_u16				
k_StopMode2VehSpdTransThresh_Kph_f32	127.954803			
k_StopModeAssistDD_UIs_f32	0.502099991			
target_DtrmnElapsedTime_mS_u32_ElapsedTime target GetSystemTime mS u32 CurrentTime	38400			
	9550			
target_Rte_Inst_Ap_GMStrtStop.StrtStop_Per1_APAState_State_enum	target_StrtStop_Per1_APAState_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_Rte_Inst_Ap_GMStrtStop.StrtStop_Per1_HwTorque_HwNm_f32	target_StrtStop_Per1_HwTorque_HwNm_f3			
target_Rte_Inst_Ap_GMStrtStop_StrtStop_Per1_SS12VFault_Cnt_Igc	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_f	32		
target_StrtStop_Per1_APAState_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		Resul
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 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	





Name	Input Value			
StrtStop_StopModeTimer2_mS_M_u32	998968064			
k_AlgEnable_Cnt_lgc	1			
k_FltRspRampDnRt_UlspS_f32	496.180603			
k_Mode1AssistDD_UIs_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 UIs f32	1			
target_DtrmnElapsedTime_mS_u32_ElapsedTime	43550			
target_GetSystemTime_mS_u32_CurrentTime	10900			
target_Rte_Inst_Ap_GMStrtStop.StrtStop_Per1_APAState_State_enum	target_StrtStop_Per1_APAState_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_Rte_Inst_Ap_GMStrtStop.StrtStop_Per1_HwTorque_HwNm_f32	target_StrtStop_Per1_HwTorque_HwNm_f3	· –		
target_Rte_Inst_Ap_GMStrtStop.StrtStop_Per1_SS12VFault_Cnt_Igc	target_StrtStop_Per1_SS12VFault_Cnt_lgc	4		
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_f			
target_StrtStop_Per1_APAState_State_enum.value	0	JL .		
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			
		Francis d Value	D.	14
Name	Actual Value	Expected Value	Res	sult
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	





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_UIs_f32	0.897300005		
target_DtrmnElapsedTime_mS_u32_ElapsedTime	89900		
target_GetSystemTime_mS_u32_CurrentTime	23050		
target_Rte_Inst_Ap_GMStrtStop_StrtStop_Per1_APAState_State_enum	target_StrtStop_Per1_APAState_State_enur	m	
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_Igc	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_f3	32	
target_StrtStop_Per1_APAState_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 SSSIewRatePrev 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 UIs f32.value	1	1 ± 0.0001	~
target_StrtStop_Per1_SSSlew_UlspS_f32.value	99.6003036	99.6003036 ± 0.1	~
target_StrtStop_Per1_SSState_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	

StrtStop_StopModeTimer2_mS_M_u32

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

Input Value

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_APAState_State_enum	target StrtStop Per1 APAState State enur	m	
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		wRadpS 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 Igc	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_f3	32	
target_StrtStop_Per1_APAState_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_SSSIewRatePrev_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	•
0			
Test Step Call Trace			
Test Step Call Trace			

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	





Name	Input Value		
StrtStop_StopModeTimer2_mS_M_u32	813608192		
	1		
k_AlgEnable_Cnt_lgc	228.535995		
k_FltRspRampDnRt_UlspS_f32	0.355300009		
k_Mode1AssistDD_Uls_f32 k_Mode1AssistSiew_UlspS_f32	154.203201		
k Mode1EngTransThresh Rpm f32	15600.4355		
	61.9305992		
k_Mode1VehSpdTransThresh_Kph_f32	1		
k_Mode2AssistDD_UIs_f32	212.014893		
k_Mode2VebSpdTroppTbroph Keb f22	114.182999		
k_Mode2VehSpdTransThresh_Kph_f32 k NormalModeAssistSlew UlspS f32	108.742104		
	8845.98828		
k_NormalModeEngTransThresh_Rpm_f32	5.73089981		
k_NormalModeVehSpdTransThresh_Kph_f32	443.523712		
k_StopMode1AssistSlew_UlspS_f32			
k_StopMode1HwTrqTransThresh_HwNm_f32	8.98460007		
k_StopMode1Timer_See_u16	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 128.878204		
k_StopMode2HwVelTransThresh_HwDegpS_f32			
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_APAState_State_enum	target_StrtStop_Per1_APAState_State_enum		
target_Rte_Inst_Ap_GMStrtStop_StrtStop_Per1_EngSpd_Rpm_f32	target_StrtStop_Per1_EngSpd_Rpm_f32	WDoda C 122	
target_Rte_Inst_Ap_GMStrtStop_StrtStop_Per1_HandwheelVelocity_HwRadpS_f32			
target_Rte_Inst_Ap_GMStrtStop.StrtStop_Per1_HwTorque_HwNm_f32	target_StrtStop_Per1_HwTorque_HwNm_f3	2	
target_Rte_Inst_Ap_GMStrtStop.StrtStop_Per1_SS12VFault_Cnt_Igc	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	20	
target_Rte_Inst_Ap_GMStrtStop_StrtStop_Per1_VehicleSpeed_Kph_f32	target_StrtStop_Per1_VehicleSpeed_Kph_f3	5 <u>2</u>	
target_StrtStop_Per1_APAState_State_enum.value			
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 0		
target_StrtStop_Per1_SS12VFault_Cnt_lgc.value	128.8255		
target_StrtStop_Per1_VehicleSpeed_Kph_f32.value			I
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	V
StrtStop_StOpModePrev_Cnt_M_enum	5	5	V
StrtStop_StOpMode_Cnt_M_enum	5	5	V
StrtStop_StopModeTimer1_mS_M_u32	2642360064	2642360064	V
StrtStop_StopModeTimer2_mS_M_u32	813608192	813608192	V
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	V
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	

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_UIspS_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 UIs f32	1			
target DtrmnElapsedTime mS u32 ElapsedTime	156850			
target GetSystemTime mS u32 CurrentTime	40600			
target Rte Inst Ap GMStrtStop.StrtStop Per1 APAState State enum	target StrtStop Per1 APAState State enu			
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_Igc	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 f3			
target_StrtStop_Per1_APAState_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	Resu	
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		
g-:p_, o. :o-o-aa.oo-aa.oo-aa.o-	-	1*		

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_AlgEnable_Cnt_lgc	1	





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 UIs 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 APAState State enum	target StrtStop Per1 APAState State enur	n		
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_f3	32		
target StrtStop Per1 APAState State enum.value	2	9 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	V	
StrtStop_StOpMode_Cnt_M_enum	1	1	~	
StrtStop_StopModeTimer1_mS_M_u32	3319701760	3319701760	V	
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_AlgEnable_Cnt_lgc	1	

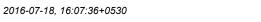
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StrtStop_Per1			MACICAL
Name	Input Value		
k FltRspRampDnRt UlspS f32	398.398407		
k Mode1AssistDD Uls f32	0.914399981		
k_Mode1AssistSlew_UlspS_f32	123.570297		
k Mode1EngTransThresh Rpm f32	4540.35449		
k Mode1VehSpdTransThresh Kph f32	67.8223038		
k_Mode2AssistDD_UIs_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	0.492900014		
target GetSystemTime mS u32 CurrentTime	200		
target_Rte_Inst_Ap_GMStrtStop.StrtStop_Per1_APAState_State_enum	target_StrtStop_Per1_APAState_State_enu	III	
target_Rte_Inst_Ap_GMStrtStop.StrtStop_Per1_EngSpd_Rpm_f32	target_StrtStop_Per1_EngSpd_Rpm_f32	Jupadas f22	
target_Rte_Inst_Ap_GMStrtStop.StrtStop_Per1_HandwheelVelocity_HwRadpS_f32 target_Rte_Inst_Ap_GMStrtStop.StrtStop_Per1_HwTorque_HwNm_f32	! target_StrtStop_Per1_HandwheelVelocity_I target StrtStop Per1 HwTorque HwNm f3		
target Rte Inst Ap GMStrtStop.StrtStop Per1 SS12VFault Cnt Igc	target StrtStop Per1 SS12VFault Cnt Igc		
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_f	32	
target_StrtStop_Per1_APAState_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	1	
Name	Actual Value	Expected Value	Resi
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_AlgEnable_Cnt_lgc	1	





Name	Input Value		
k_FltRspRampDnRt_UlspS_f32	40.9292984		
k Mode1AssistDD UIs f32	1		
k Mode1AssistSlew UlspS f32	244.007095		
k_Mode1EngTransThresh_Rpm_f32	5417.76855		
k Mode1VehSpdTransThresh Kph f32	167.1259		
k Mode2AssistDD UIs 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_APAState_State_enum	target_StrtStop_Per1_APAState_State_en	um	
target_Rte_Inst_Ap_GMStrtStop_Per1_EngSpd_Rpm_f32	target_StrtStop_Per1_EngSpd_Rpm_f32		
target_Rte_Inst_Ap_GMStrtStop_StrtStop_Per1_HandwheelVelocity_HwRadpS_f32		HwRadpS f32	
target_Rte_Inst_Ap_GMStrtStop_StrtStop_Per1_HwTorque_HwNm_f32	target_StrtStop_Per1_HwTorque_HwNm_f		
target_Rte_Inst_Ap_GMStrtStop_StrtStop_Per1_SS12VFault_Cnt_lgc	target_StrtStop_Per1_SS12VFault_Cnt_lgr		
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_enu	n	
target Rte Inst Ap GMStrtStop.StrtStop Per1 VehicleSpeed Kph f32	target_StrtStop_Per1_VehicleSpeed_Kph_		
target StrtStop Per1 APAState 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 Igc.value	0		
target_StrfStop_Per1_VehicleSpeed_Kph_f32.value	0.25		
Name	Actual Value	Expected Value	Resul
StrtStop SSScale Uls M f32	1	1	Resul
StrtStop_SSSlewRatePrev_UlspS_M_f32	244.007095	244.007095 ± 0.1	
	0	0	
StrtStop_StOpModePrevPrev_Cnt_M_enum StrtStop_StOpModePrev_Cnt_M_enum	1	1	
	1	1	
StrtStop_StopMode_Cnt_M_enum			
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_AlgEnable_Cnt_lgc	1	





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 UIs f32	0.646099985			
target_DtrmnElapsedTime_mS_u32_ElapsedTime	275300			
target_GetSystemTime_mS_u32_CurrentTime	71650			
target Rte Inst Ap GMStrtStop.StrtStop Per1 APAState State enum	target StrtStop Per1 APAState State enu	ım		
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_f3		target_StrtStop_Per1_HandwheelVelocity_HwRadpS_f32		
target Rte Inst Ap GMStrtStop.StrtStop Per1 HwTorque HwNm f32	target StrtStop Per1 HwTorque HwNm f3			
target Rte Inst Ap GMStrtStop.StrtStop Per1 SS12VFault Cnt Igc	target StrtStop Per1 SS12VFault Cnt Igc			
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 enun	1		
target_Rte_Inst_Ap_GMStrtStop_StrtStop_Per1_VehicleSpeed_Kph_f32	target_StrtStop_Per1_VehicleSpeed_Kph_f			
target StrtStop Per1 APAState State enum.value	0	52		
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 Igc.value	0			
target_StrtStop_Per1_VehicleSpeed_Kph_f32.value	5.36000013			
		From a set of Malica	D14	
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_AlgEnable_Cnt_lgc	1	

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SitiStop_rerr		(OLC)	J0
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 UIs f32	0		
	285600		
target_DtrmnElapsedTime_mS_u32_ElapsedTime			
target_GetSystemTime_mS_u32_CurrentTime	74350	_	
target_Rte_Inst_Ap_GMStrtStop_StrtStop_Per1_APAState_State_enum	target_StrtStop_Per1_APAState_State_enur	п	
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_H		
target_Rte_Inst_Ap_GMStrtStop_StrtStop_Per1_HwTorque_HwNm_f32	target_StrtStop_Per1_HwTorque_HwNm_f32	2	
target_Rte_Inst_Ap_GMStrtStop.StrtStop_Per1_SS12VFault_Cnt_Igc	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_f3	32	
target_StrtStop_Per1_APAState_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_AlgEnable_Cnt_lgc	1	

StrtStop_Per1

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Name	Input Value			
k_FitRspRampDnRt_UlspS_f32	174.674301			
k_Mode1AssistDD_Uls_f32	0.670400023			
k_Mode1AssistSlew_UlspS_f32	121.368401			
k_Mode1EngTransThresh_Rpm_f32	2777.70532	777.70532		
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	14.311203			
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 UIs f32	0.269400001			
target DtrmnElapsedTime mS u32 ElapsedTime	337100			
target_GetSystemTime_mS_u32_CurrentTime	87850			
target Rte Inst Ap GMStrtStop.StrtStop Per1 APAState State enum	target StrtStop Per1 APAState State enur	m		
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_H	wRadpS f32		
target Rte Inst Ap GMStrtStop.StrtStop Per1 HwTorque HwNm f32	target StrtStop Per1 HwTorque HwNm f33	· -		
target Rte Inst Ap GMStrtStop.StrtStop Per1 SS12VFault Cnt Igc	target StrtStop Per1 SS12VFault Cnt Igc			
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_f3	32		
target StrtStop Per1 APAState 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				
StrtStop_SSScale_Uls_M_f32	1	1	Result	
StrtStop SSSlewRatePrev UlspS M f32	28.9195004	28.9195004 ± 0.1	-	
StrtStop StOpModePrevPrev Cnt M enum	1	1		
	0	0	~	
StrtStop_StOpModePrev_Cnt_M_enum	0	0		
StrtStop_StOpMode_Cnt_M_enum StrtStop_StopModeTimer1_ms_M_u32	2440377344	2440377344	~	
StrtStop_StopModeTimer1_mS_M_u32 StrtStop_StopModeTimer2_mS_M_u32	1342562816	1342562816		
StrtStop_StopModeTimer2_mS_M_u32	1342562816	1±0.0001	~	
target_StrtStop_Per1_SSScale_UIs_f32.value		1 1 1 1 1		
target_StrtStop_Per1_SSSlew_UlspS_f32.value	28.9195004	28.9195004 ± 0.1	_	

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	_

0

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_AlgEnable_Cnt_lgc	1	

target_StrtStop_Per1_SSState_State_enum.value

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StrtStop_Per1 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 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 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 $target_Rte_Inst_Ap_GMStrtStop.StrtStop_Per1_APAState_State_enum$ target_StrtStop_Per1_APAState_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_APAState_State_enum.value 0 target_StrtStop_Per1_EngSpd_Rpm_f32.value 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 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

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

2513260032

3482545152

99.3861008

3

3

3

2513260032

3482545152

99.3861008 ± 0.1

1 + 0.0001

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_AlgEnable_Cnt_lgc	1	

 $StrtStop_StopModeTimer1_mS_M_u32$ StrtStop_StopModeTimer2_mS_M_u32

target_StrtStop_Per1_SSScale_Uls_f32.value

target_StrtStop_Per1_SSSlew_UlspS_f32.value

target_StrtStop_Per1_SSState_State_enum.value





nput Value 347.56781		
1		
125.973701		
13882.4092		
168.9655		
0.533699989		
395.059113		
56.3480988		
862.158905		
7898.78516		
163.250198		
293.488312		
2.67420006		
36.1949997		
2		
90.8057022		
227.143402		
)		
123.165199		
1		
187.138306		
1		
378300		
98650		
arget StrtStop Per1 APAState State enum	n	
· - ·		
	wRadpS f32	
arget StrtStop Per1 HwTorque HwNm f32		
arget StrtStop Per1 SS12VFault Cnt lgc		
arget StrtStop Per1 SSSlew UlspS f32		
* - ' '-		
	2	
)		
)		
)		
6.61429977		
)		
)		
Actual Value	Expected Value	Resul
	· ·	rtoour
3		
1	1 ± 0.0001	
	1 1 0.0001	
1	1 ± 0.1	
0.39	.533699889 95.059113 6.3480988 62.158905 898.78516 63.250198 93.488312 .67420006 6.1949997 0.8057022 27.143402 23.165199 87.138306 8650 arget_StrtStop_Per1_APAState_State_enumarget_StrtStop_Per1_EngSpd_Rpm_f32 arget_StrtStop_Per1_HandwheelVelocity_Harget_StrtStop_Per1_HandwheelVelocity_Harget_StrtStop_Per1_SS12VFault_Cnt_lgc arget_StrtStop_Per1_SSScate_UlspS_f32 arget_StrtStop_Per1_SSSlew_UlspS_f32 arget_StrtStop_Per1_SSSlew_UlspS_f32 arget_StrtStop_Per1_SSSlew_UlspS_f32 arget_StrtStop_Per1_VehicleSpeed_Kph_f3: .61429977	.533699989 95.059113 6.3480988 62.158905 898.78516 63.250198 93.488312 .67420006 6.1949997 0.8057022 27.143402 23.165199 87.138306 878300 88650 arget_StriStop_Per1_APAState_State_enum arget_StriStop_Per1_HandwheelVelocity_HwRadpS_f32 arget_StriStop_Per1_HwTorque_HwNm_f32 arget_StriStop_Per1_SSScale_Uls_f32 arget_StriStop_Per1_SSScale_Uls_f32 arget_StriStop_Per1_SSScale_Uls_f32 arget_StriStop_Per1_SSState_state_enum arget_StriStop_Per1_SSState_State_enum arget_StriStop_Per1_SSScale_Uls_f32 arget_StriStop_Per1_SSState_State_enum arget_StriStop_Per1_VehicleSpeed_Kph_f32 Actual Value Expected Value

Test Step Call Trace				V
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	





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	5330.61426		
k Mode1VehSpdTransThresh Kph f32	77.035202			
k Mode2AssistDD UIs 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 APAState State enum	target StrtStop Per1 APAState State enur	n		
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		wPadnS 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_f3	2		
target StrtStop Per1 APAState 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			
		I=		
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	V	
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_AlgEnable_Cnt_lgc	1	

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Name	Input Value			
k FltRspRampDnRt UlspS f32	303.569489			
k Mode1AssistDD UIs 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 APAState State enum	target StrtStop Per1 APAState State enur	m		
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		wPadpS 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_Igc	target StrtStop Per1 SS12VFault Cnt lgc	<u>-</u>		
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			
		2		
target_Rte_Inst_Ap_GMStrtStop_StrtStop_Per1_VehicleSpeed_Kph_f32	target_StrtStop_Per1_VehicleSpeed_Kph_f3	12		
target_StrtStop_Per1_APAState_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_AlgEnable_Cnt_lgc	1





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 UIs 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 APAState State enum	target StrtStop Per1 APAState State enur	m	
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_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_f3	12	
target StrtStop Per1 APAState 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		
		Francisco di Victoria	D
Name	Actual Value	Expected Value	Result
StrtStop_SSScale_Uls_M_f32	1	1	
StrlStop_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	V
StrtStop_StopModeTimer1_mS_M_u32	1334609408	1334609408	V
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	

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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		
_ : _ : _ : _ : _ : _ : _ : _ : _ : _ :	29.7133999		
k_StopMode2AssistSlew_UlspS_f32			
k_StopMode2HwTrqTransThresh_HwNm_f32	6.62190008 124.748596		
k_StopMode2HwVelTransThresh_HwDegpS_f32	0		
k_StopMode2Timer_Sec_u16	0		
k_StopMode2VehSpdTransThresh_Kph_f32	1		
k_StopModeAssistDD_UIs_f32	0.802699983		
target_DtrmnElapsedTime_mS_u32_ElapsedTime	347400		
target_GetSystemTime_mS_u32_CurrentTime	90550		
target_Rte_Inst_Ap_GMStrtStop_StrtStop_Per1_APAState_State_enum	target_StrtStop_Per1_APAState_State_enu	m	
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_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_f	32	
target_StrtStop_Per1_APAState_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_SSState_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_FltRspRampDnRt_UlspS_f32	490.715088	

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StrtStop_Per1 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 k_StopMode2HwVelTransThresh_HwDegpS_f32 59.0872002 k_StopMode2Timer_Sec_u16 k_StopMode2VehSpdTransThresh_Kph_f32 60.1553001 k StopModeAssistDD Uls f32 0.33039999 target_DtrmnElapsedTime_mS_u32_ElapsedTime 0 100000 $target_GetSystemTime_mS_u32_CurrentTime$ target_Rte_Inst_Ap_GMStrtStop_StrtStop_Per1_APAState_State_enum target_StrtStop_Per1_APAState_State_enum target_StrtStop_Per1_EngSpd_Rpm_f32 target_Rte_Inst_Ap_GMStrtStop.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_StrtStop_Per1_SSSlew_UlspS_f32 target_Rte_Inst_Ap_GMStrtStop.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 APAState State enum.value target_StrtStop_Per1_EngSpd_Rpm_f32.value 0 target_StrtStop_Per1_HandwheelVelocity_HwRadpS_f32.value 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 **Actual Value Expected Value** Name Result StrtStop_SSScale_Uls_M_f32 0.173899993 0.173899993

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	

490.715088

2943700736

3128624384

0.173899993

490 715088

3

490.715088 ± 0.1

2943700736

3128624384

0.173899993 ± 0.0001

490 715088 + 0 1

0

3

3

StrtStop_SSSlewRatePrev_UlspS_M_f32

StrtStop_StOpModePrev_Cnt_M_enum

StrtStop_StopModeTimer1_mS_M_u32

 $StrtStop_StopModeTimer2_mS_M_u32$

target_StrtStop_Per1_SSScale_Uls_f32.value

target_StrtStop_Per1_SSSlew_UlspS_f32.value

target_StrtStop_Per1_SSState_State_enum.value

StrtStop_StOpMode_Cnt_M_enum

StrtStop_StOpModePrevPrev_Cnt_M_enum

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 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)\NxtrLib\include -I\$(PROJECTROOT)\StdDef\include -I\$(Compiler Install Path)\include

Comments/Description/Spe	ecification
Name	Text
Module 'GMStrtStop'	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.

Attributes	
Name	Value
Compiler Install Path	<pre>\$(ProgramFiles)\Texas Instruments\ccsv4\tools\compiler\tms470_4.9.5</pre>
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	<pre>\$(ProgramFiles)\pls\UDE 4.4</pre>
Time Unit	Cycles
Timer Enabled	false
Timer Prescale	0
Timer Resolution	1
UDE Config File	\$(PROJECTROOT)\UnitTestEnv\config\TMS570_UDE_12PIN_JTAG.cfg

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StrtStop_Init1

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

StrtStop_Init1



Test Case 1: Range Test

Specification

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

TS1.1 3.00 Cycles

Description Vector Description

TS1.1nothing to check

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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)\NxtrLib\include -I\$(PROJECTROOT)\StdDef\include -I\$(Compiler Install Path)\include

Name	Text
Nodule 'GMStrtStop'	**************************************
	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 Compiller (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

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PreviousStCalc

Attributes	
Name	Value
Timer Prescale	0
Timer Resolution	
UDE Config File	\$(PROJECTROOT)\UnitTestEnv\config\TMS570_UDE_12PIN_JTAG.cfg
Workspace File	D:\Synergy_Work_Area\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
TS2.3 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
TS2.12 44.00 Cycles
TS2.13 60.00 Cycles
TS2.16 60.00 Cycles
TS2.16 60.00 Cycles
TS2.17 60.00 Cycles
TS2.18 60.00 Cycles
TS2.19 44.00 Cycles
TS2.19 44.00 Cycles
TS2.19 60.00 Cycles
TS2.19 60.00 Cycles
TS2.19 60.00 Cycles
TS2.19 60.00 Cycles

Description

Vector Description

TS2.1All Min

TS2.2All Miax
TS2.3StrtStop_StOpMode_Cnt_M_enum==>SS_Normal
TS2.4StrtStop_StOpMode_Cnt_M_enum==>SS_Intermediate1
TS2.5StrtStop_StOpMode_Cnt_M_enum==>SS_Intermediate1
TS2.5StrtStop_StOpMode_Cnt_M_enum==>SS_Intermediate2
TS2.7StrtStop_StOpMode_Cnt_M_enum==>SS_Intermediate2
TS2.7StrtStop_StOpMode_Cnt_M_enum==>SS_Intermediate2
TS2.9StrtStop_StOpModePrev_Cnt_M_enum==>SS_Normal
TS2.10StrtStop_StOpModePrev_Cnt_M_enum==>SS_Intermediate1
TS2.11StrtStop_StOpModePrev_Cnt_M_enum==>SS_Intermediate1
TS2.11StrtStop_StOpModePrev_Cnt_M_enum==>SS_Intermediate2
TS2.13StrtStop_StOpModePrev_Cnt_M_enum==>SS_Intermediate2
TS2.14StrtStop_StOpModePrev_Cnt_M_enum==>SS_Intermediate1
TS2.15StrtStop_StOpModePrevPrev_Cnt_M_enum==>SS_Normal
TS2.16StrtStop_StOpModePrevPrev_Cnt_M_enum==>SS_Normal
TS2.16StrtStop_StOpModePrevPrev_Cnt_M_enum==>SS_Intermediate1
TS2.17StrtStop_StOpModePrevPrev_Cnt_M_enum==>SS_Intermediate1
TS2.19StrtStop_StOpModePrevPrev_Cnt_M_enum==>SS_Intermediate2
TS2.19StrtStop_StOpModePrevPrev_Cnt_M_enum==>SS_Intermediate2
TS2.19StrtStop_StOpModePrevPrev_Cnt_M_enum==>SS_Intermediate2
TS2.19StrtStop_StOpModePrevPrev_Cnt_M_enum==>SS_Disable TS2.2All Max

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
StrtSton StOnModePrey Cnt M enum	n	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

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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	~



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	~

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Test Step 2.18 (Repeat Count = 1)			V
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

Specification

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

TS3.1 60.00 Cycles TS3.2 44.00 Cycles

Description Vector Description

 $\label{thm:continuity} TS3.1(StrtStop_StOpMode_Cnt_M_enum) = StrtStop_StOpModePrev_Cnt_M_enum) = false \\ TS3.2(StrtStop_StOpMode_Cnt_M_enum) = StrtStop_StOpModePrev_Cnt_M_enum) = true \\ TS3.2(StrtStop_StOpModePrev_Cnt_M_enum) = StrtStop_StOpModePrev_Cnt_M_enum) = true \\ TS3.2(StrtStop_StOpModePrev_Cnt_M_enum) = StrtStop_StOpModePrev_Cnt_M_enum) = true \\ TS3.2(StrtStop_StOpModePrev_Cnt_M_enum) = true \\ TS3.2(StrtStopModePrev_Cnt_M_enum) = true \\ TS3.2(StrtStopModePrev_Cnt_M_enum) = true \\ TS3.2(StrtStopModePrev_Cnt_M_enum) = true \\ TS3.2(StrtStopModePrev_Cnt_M_enum) =$

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	~