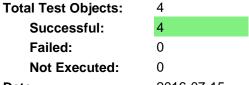
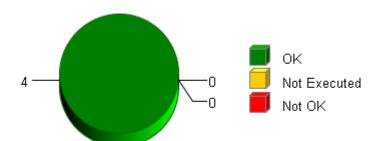


Summary

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"

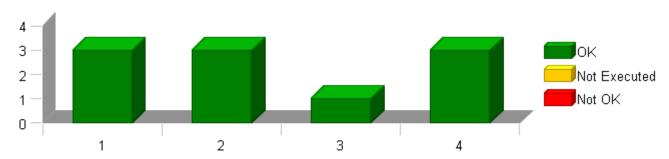
Test Object "CBD_UnitTest/GMStrtStop/StrtStop_Init1"

Test Object "CBD UnitTest/GMStrtStop/StrtStop Per1"

Used Test Environments

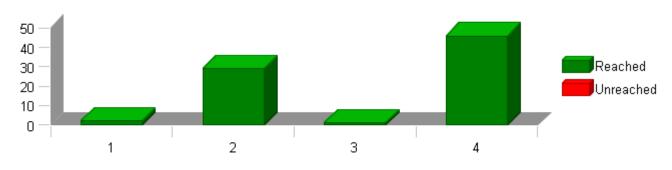
TI TMS 570 PLS UDE (Default)

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).

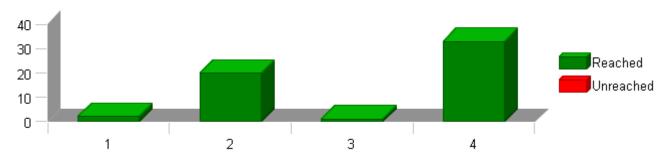
Statement (C0) Coverage: Total Statements for Each Test Object





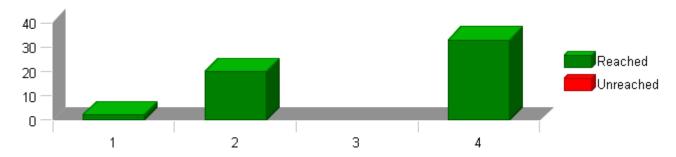
The table above shows each test object on the x axis and the number of statements of the respective test object on the y axis. Each bar is divided into reached statements (i.e. statements that have been executed during the test) and unreached statements.

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.

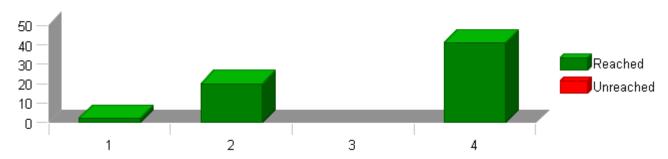
Decision Coverage: Total Decision Outcomes for Each Test Object



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

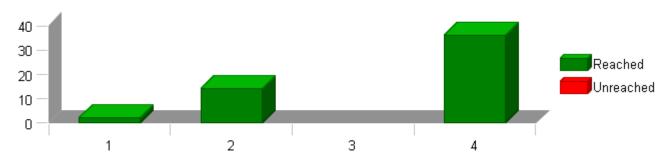


The table above shows test objects on the x axis and the number of condition combinations of all decisions of the respective test object on the y axis. The number of condition combinations is based on the number of boolean conditions within each decision of the test object. To achieve full MC/DC coverage, 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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Project GMStrtStop2

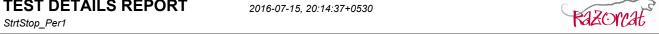
Test Object List

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

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

No.	Name	C0	C1	DC	MC/DC	MCC	Test Cases	Result
	GMStrtStop2	100 %	100 %	100 %	100 %	100 %	10 of 10 passed	~
	CBD_UnitTest	100 %	100 %	100 %	100 %	100 %	10 of 10 passed	~
	GMStrtStop	100 %	100 %	100 %	100 %	100 %	10 of 10 passed	~
1	<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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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)\StdDef\include -I\$(Compiler Install Path)\include

Comments/Description/Sp	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. 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_ps.tpl				
Target Install Path	\$(ProgramFiles)\pls\UDE 4.4				
Time Unit	Cycles				
Timer Enabled	false				

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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

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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		
<_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	0.100000001	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 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	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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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				V
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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Razorcat

Test Case 2: Range Test

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StrtStop_Per1



Specification

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
TS2.22 331.00 Cycles
TS2.23 334.00 Cycles
TS2.24 383.00 Cycles
TS2.25 329.00 Cycles
TS2.26 388.00 Cycles
TS2.27 945.00 Cycles
TS2.27 945.00 Cycles
TS2.29 898.00 Cycles
TS2.29 898.00 Cycles
TS2.30 372.00 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
TS2.40 358.00 Cycles
TS2.41 381.00 Cycles
TS2.42 361.00 Cycles
TS2.43 353.00 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
TS2.49 892.00 Cycles
TS2.50 888.00 Cycles
TS2.51 899.00 Cycles
TS2.51 899.00 Cycles
TS2.53 900.00 Cycles
TS2.53 900.00 Cycles
TS2.53 900.00 Cycles
TS2.55 861.00 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

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





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 TS2.45k_Mode1AssistDD_Uls_f32==>Pos / Default TS2.46k_NormalModeEngTransThresh_Rpm_f32==>Min TS2.47k_NormalModeEngTransThresh_Rpm_f32==>Max TS2.48k_NormalModeEngTransThresh_Rpm_f32==>Pos / Default TS2.49k_StopMode1VehSpdTransThres_Kph_f32==>Min TS2.50k_StopMode1VehSpdTransThres_Kph_f32==>Max TS2.51k_StopMode1VehSpdTransThres_Kph_f32==>Pos / Default TS2.52k_StopMode1HwVelTransThresh_HwDegpS_f32==>Min TS2.53k_StopMode1HwVelTransThresh_HwDegpS_f32==>Max TS2.54k_StopMode1HwVelTransThresh_HwDegpS_f32==>Pos / Default TS2.55k_StopMode1HwTrqTransThresh_HwNm_f32==>Min TS2.56k_StopMode1HwTrqTransThresh_HwNm_f32==>Max 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		
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		
k_AlgEnable_Cnt_lgc	0		
k_FltRspRampDnRt_UlspS_f32	0.100000001		
k_Mode1AssistDD_Uls_f32	0.00109999999		
k_Mode1AssistSlew_UlspS_f32	0.100000001		
k_Mode1EngTransThresh_Rpm_f32	0		
k_Mode1VehSpdTransThresh_Kph_f32	0		
k_Mode2AssistDD_Uls_f32	0.00109999999		
k_Mode2AssistSlew_UlspS_f32	0.100000001		
k_Mode2VehSpdTransThresh_Kph_f32	0		
k_NormalModeAssistSlew_UlspS_f32	0.100000001		
k_NormalModeEngTransThresh_Rpm_f32	0		
k_NormalModeVehSpdTransThresh_Kph_f32	0		
k_StopMode1AssistSlew_UlspS_f32	0.100000001		
k_StopMode1HwTrqTransThresh_HwNm_f32	0		
k_StopMode1HwVelTransThresh_HwDegpS_f32	0		
k_StopMode1Timer_Sec_u16	0		
k_StopMode1VehSpdTransThres_Kph_f32	0		
k_StopMode2AssistSlew_UlspS_f32	0.100000001		
k_StopMode2HwTrqTransThresh_HwNm_f32	0		
k_StopMode2HwVelTransThresh_HwDegpS_f32	0		
k_StopMode2Timer_Sec_u16	0		
k_StopMode2VehSpdTransThresh_Kph_f32	0		
k_StopModeAssistDD_UIs_f32	0		
target_DtrmnElapsedTime_mS_u32_ElapsedTime	0		
target_GetSystemTime_mS_u32_CurrentTime			
target_Rte_Inst_Ap_GMStrtStop.StrtStop_Per1_APAState_State_enum	target_StrtStop_Per1_APAState_State_enui	III	
target_Rte_Inst_Ap_GMStrtStop.StrtStop_Per1_EngSpd_Rpm_f32	target_StrtStop_Per1_EngSpd_Rpm_f32	huDodae f22	
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_StrtStop_Per1_HwTorque_HwNm_f3 target_StrtStop_Per1_SS12VFault_Cnt_lgc	2	
target_Rte_Inst_Ap_GMStrtStop_StrtStop_Fe11_SS1zVFatilt_Cnt_gtc 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	5 <u>2</u>	
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	Resul
StrtStop SSScale Uls M f32	1	1	i ve sui
StriStop_SSScale_Uis_M_132 StrtStop_SSSlewRatePrev_UispS_M_f32	0.100000001	0.100000001 ± 0.1	
StrtStop_SSSiewRatePrev_UispS_M_f32 StrtStop_StOpModePrevPrev_Cnt_M_enum	0.100000001	0.100000001 ± 0.1	
StrStop_StOpModePrev_Cnt_M_enum StrtStop_StOpModePrev_Cnt_M_enum	5	5	
StrStop_StOpMode_Cnt_M_enum	5	5	
StrStop_StopMode_Crit_im_enum StrlStop_StopModeTimer1_mS_M_u32	0	0	
StrStop_StopModeTimer1_mS_M_u32 StrlStop_StopModeTimer2_mS_M_u32	0	0	
target_StrtStop_Per1_SSScale_Uls_f32.value	1	1 ± 0.0001	
target_ottlotop_r et i_000cate_ots_toz.value			
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_Elaps	sedTime		
GetSystemTime_mS_u32(CurrentTime)	target_GetSystemTime_mS_u32_Current	Time		
Rte_Inst_Ap_GMStrtStop	target_Rte_Inst_Ap_GMStrtStop			
StrtStop_SSScale_Uls_M_f32	1	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_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_en	um		
target_Rte_Inst_Ap_GMStrtStop_StrtStop_Per1_EngSpd_Rpm_f32	target_StrtStop_Per1_EngSpd_Rpm_f32	HwPodne f22		
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_StrtStop_Per1_HwTorque_HwNm_			
· · · · · · · · · · · · · · · · · · ·	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_Rte_Inst_Ap_GMStrtStop.StrtStop_Per1_SSState_State_enum	target_StrtStop_Per1_SSSlew_UlspS_f32 target_StrtStop_Per1_SSState_State_enu	m		
target_Rte_Inst_Ap_GMStrtStop.StrtStop_Per1_VehicleSpeed_Kph_f32 target_StrtStop_Per1_APAState_State_enum.value	target_StrtStop_Per1_VehicleSpeed_Kph_ 4	132		
target_StrtStop_Per1_EngSpd_Rpm_f32.value	16383.75			
target StrtStop Per1 HandwheelVelocity HwRadpS f32.value	100			
target_StrtStop_Per1_HwTorque_HwNm_f32.value	10			
target_StrtStop_Per1_SS12VFault_Cnt_lgc.value	1			
target_StrtStop_Per1_VehicleSpeed_Kph_f32.value	200			
Name	Actual Value	Expected Value	Result	
	1	· ·	Result	
StrtStop_SSScale_Uls_M_f32		1		
StrtStop_SSSlewRatePrev_UlspS_M_f32 StrtStop_StOpModePrev_Prev_Cot_M_cours	5	1 ± 0.1		
StrtStop_StOpModePrevPrev_Cnt_M_enum StrtStop_StOpModePrev Cnt_M enum	4	4	~	
	4	4		
StrtStop_StOpMode_Cnt_M_enum			-	
	4294967295	4294967295		
StrtStop_StopModeTimer1_mS_M_u32 StrtStop_StopModeTimer2_mS_M_u32	4204067205	1/20/067205		
StrtStop_StopModeTimer2_mS_M_u32	4294967295	4294967295	· ·	
	4294967295 1 1	4294967295 1 ± 0.0001 1 ± 0.1	· ·	

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





Test Step 2.3 (Repeat Count = 1) Name	Input Value		
	target_DtrmnElapsedTime_mS_u32_Elapse	dTime	
	target_GetSystemTime_mS_u32_CurrentTir		
	target_Rte_Inst_Ap_GMStrtStop		
	0.272700012		
	170.376907		
	5		
	4		
	4		
	3544497920		
	3120887040		
	0		
k_FltRspRampDnRt_UlspS_f32	156.835999		
_ , , _ , _ , _	0.694800019		
	343.070801		
	1623.55383		
	119.258698		
	1		
	406.328308		
	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_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	307.351013		
target_StrtStop_Per1_HandwheelVelocity_HwRadpS_f32.value	59.4327011		
target_StrtStop_Per1_HwTorque_HwNm_f32.value	-1.49779999		
target_StrtStop_Per1_SS12VFault_Cnt_lgc.value	0		
target_StrtStop_Per1_VehicleSpeed_Kph_f32.value	37.0290985		
Name	Actual Value	Expected Value	Resul
StrtStop_SSScale_Uls_M_f32	1	1	•
StrtStop_SSSlewRatePrev_UlspS_M_f32	156.835999	156.835999 ± 0.1	•
StrtStop_StOpModePrevPrev_Cnt_M_enum	4	4	
StrtStop_StOpModePrev_Cnt_M_enum	5	5	•
StrtStop_StOpMode_Cnt_M_enum	5	5	
StrtStop_StopModeTimer1_mS_M_u32	3544497920	3544497920	•
StrtStop_StopModeTimer2_mS_M_u32	3120887040	3120887040	•
target_StrtStop_Per1_SSScale_Uls_f32.value	1	1 ± 0.0001	•
target_StrtStop_Per1_SSSlew_UlspS_f32.value	156.835999	156.835999 ± 0.1	•

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			
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	1	1		
StrtStop_SSSlewRatePrev_UlspS_M_f32	76.4660034			
StrtStop_StOpModePrevPrev_Cnt_M_enum	0			
StrtStop_StOpModePrev_Cnt_M_enum	4			
StrtStop_StOpMode_Cnt_M_enum	2			
StrtStop_StopModeTimer1_mS_M_u32	1334609408			
StrtStop_StopModeTimer2_mS_M_u32	128181248			
k_AlgEnable_Cnt_lgc	1			
k_FltRspRampDnRt_UlspS_f32	282.30249			
k_Mode1AssistDD_Uls_f32	0.0983000025			
k_Mode1AssistSlew_UlspS_f32	417.655304			
k_Mode1EngTransThresh_Rpm_f32	10812.7471			
k_Mode1VehSpdTransThresh_Kph_f32	171.329697			
k_Mode2AssistDD_Uls_f32	1			
k_Mode2AssistSlew_UlspS_f32	350.295105			
k_Mode2VehSpdTransThresh_Kph_f32	123.894302			
k_NormalModeAssistSlew_UlspS_f32	179.502396			
k_NormalModeEngTransThresh_Rpm_f32	13478.0977			
k_NormalModeVehSpdTransThresh_Kph_f32	43.3170013			
k_StopMode1AssistSlew_UlspS_f32	8.34829998			
k_StopMode1HwTrqTransThresh_HwNm_f32	9.56949997			
k_StopMode1HwVelTransThresh_HwDegpS_f32	146.798706			
k_StopMode1Timer_Sec_u16	5			
k_StopMode1VehSpdTransThres_Kph_f32	62.7015991			
k_StopMode2AssistSlew_UlspS_f32	46.0293007			
k_StopMode2HwTrqTransThresh_HwNm_f32	1.72249997			
k_StopMode2HwVelTransThresh_HwDegpS_f32	162.882401			
k_StopMode2Timer_Sec_u16	0			
k_StopMode2VehSpdTransThresh_Kph_f32	83.7605972			
k_StopModeAssistDD_UIs_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_enu	ım		
target_Rte_Inst_Ap_GMStrtStop.StrtStop_Per1_EngSpd_Rpm_f32	target_StrtStop_Per1_EngSpd_Rpm_f32	hD-d-0 600		
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_enun			
target_Rte_Inst_Ap_GMStrtStop.StrtStop_Per1_VehicleSpeed_Kph_f32 target_StrtStop_Per1_APAState_State_enum.value	target_StrtStop_Per1_VehicleSpeed_Kph_f	32		
· - ·	3446.8374			
target_StrtStop_Per1_EngSpd_Rpm_f32.value	-23.6994991			
target_StrtStop_Per1_HandwheelVelocity_HwRadpS_f32.value	7.04300022			
target_StrtStop_Per1_HwTorque_HwNm_f32.value	0			
target_StrtStop_Per1_SS12VFault_Cnt_lgc.value target_StrtStop_Per1_VehicleSpeed_Kph_f32.value	47.6209984			
		Even a stand Walve	Deculé	
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_StOpModePrev_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	~	
township Obstation Post COOpering Life 600 c.				
target_StrtStop_Per1_SSScale_Uls_f32.value target_StrtStop_Per1_SSSlew_UlspS_f32.value	1 282.30249	1 ± 0.0001 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_StopMode1HwTrqTransThresh_HwNm_f32	9.09179974		
k_StopMode1HwVelTransThresh_HwDegpS_f32 k StopMode1Timer Sec u16	224.356796		
	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)	Innut Value		
Name	Input Value	and Time o	
DtrmnElapsedTime_mS_u32(ElapsedTime) CetSustemTime_mS_u22(CurrentTime)	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	76.4660034		
StrtStop_StOpModePrevPrev_Cnt_M_enum	0		
StrtStop_StOpModePrev_Cnt_M_enum	4		
StrtStop_StOpMode_Cnt_M_enum	2		
StrtStop_StopModeTimer1_mS_M_u32	1334609408		
StrtStop_StopModeTimer2_mS_M_u32	128181248		
k_AlgEnable_Cnt_lgc	1		
k_FltRspRampDnRt_UlspS_f32	282.30249		
k_Mode1AssistDD_Uls_f32	0.0983000025		
k_Mode1AssistSlew_UlspS_f32	417.655304		
k_Mode1EngTransThresh_Rpm_f32	10812.7471		
k_Mode1VehSpdTransThresh_Kph_f32	171.329697		
k_Mode2AssistDD_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		
	62.7015991		
k_StopMode1VehSpdTransThres_Kph_f32			
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_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_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_lgr	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	102	
	3446.8374		
target_StrtStop_Per1_EngSpd_Rpm_f32.value			
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	Resul
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 entetop i er i eecotale Ula Idz.value	'		
target_StrtStop_Per1_SSSlew_UlspS_f32.value	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)	Immut Value		
Name	Input Value	and Time o	
DtrmnElapsedTime_mS_u32(ElapsedTime)	target_DtrmnElapsedTime_mS_u32_Elaps		
GetSystemTime_mS_u32(CurrentTime)	target_GetSystemTime_mS_u32_Current1 target_Rte_Inst_Ap_GMStrtStop	ime	
Rte_Inst_Ap_GMStrtStop			
StrtStop_SSScale_Uls_M_f32	0.52579999		
StrtStop_SSSlewRatePrev_UlspS_M_f32	453.798889		
StrtStop_StOpModePrevPrev_Cnt_M_enum	1 2		
StrtStop_StOpModePrev_Cnt_M_enum			
StrtStop_StopMode_Cnt_M_enum	2526007664		
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_UIs_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	4		
k_StopMode2VehSpdTransThresh_Kph_f32	87.1659012		
k_StopModeAssistDD_UIs_f32	1		
target_DtrmnElapsedTime_mS_u32_ElapsedTime	22950		
target_GetSystemTime_mS_u32_CurrentTime	5500		
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_	T32	
target_Rte_Inst_Ap_GMStrtStop_StrtStop_Per1_SS12VFault_Cnt_lgc	target_StrtStop_Per1_SS12VFault_Cnt_lg	С	
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_enu	m	
target_Rte_Inst_Ap_GMStrtStop_Per1_VehicleSpeed_Kph_f32	target_StrtStop_Per1_VehicleSpeed_Kph_	f32	
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	Resul
StrtStop_SSScale_Uis_ivi_isz StrtStop_SSSlewRatePrev_UlspS_M_f32	217.223007	217.223007 ± 0.1	
	2	217.223007 ± 0.1	
StrtStop_StOpModePrev_Cnt_M_enum			
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	•
remore transition than this cole like 600 value	1	1 ± 0.0001	
target_StrtStop_Per1_SSScale_UIs_f32.value target_StrtStop_Per1_SSSlew_UIspS_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	adTime.	
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_UIs_M_f32			
StrtStop_SSSlewRatePrev_UlspS_M_f32	255.943207		
StrtStop_StOpModePrevPrev_Cnt_M_enum	3		
StrtStop_StOpModePrev_Cnt_M_enum	0		
StrtStop_StOpMode_Cnt_M_enum	0		
StrtStop_StopModeTimer1_mS_M_u32	4260311040		
StrtStop_StopModeTimer2_mS_M_u32	3035725312		
k_AlgEnable_Cnt_lgc	1		
k_FltRspRampDnRt_UlspS_f32	198.545593		
k_Mode1AssistDD_UIs_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_UIs_f32	0.701799989		
target_DtrmnElapsedTime_mS_u32_ElapsedTime	28100		
target_GetSystemTime_mS_u32_CurrentTime	6850		
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_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_		
target_StrtStop_Per1_APAState_State_enum.value	0		
target StrtStop Per1 EngSpd Rpm f32.value	0		
target_StrtStop_Per1_HandwheelVelocity_HwRadpS_f32.value	-75.9717026		
target_StrtStop_Per1_HwTorque_HwNm_f32.value	-0.809099972		
target_StrtStop_Per1_SS12VFault_Cnt_lgc.value	0		
target StrtStop Per1 VehicleSpeed Kph f32.value	51.7583008		
		Expected Value	Resul
Name	Actual Value	•	Resul
StrtStop_SSScale_UIs_M_f32	1	1	
StrtStop_SSSlewRatePrev_UlspS_M_f32	448.061401	448.061401 ± 0.1	
StrtStop_StOpModePrevPrev_Cnt_M_enum	0	0	•
StrtStop_StOpModePrev_Cnt_M_enum	1	1	•
StrtStop_StOpMode_Cnt_M_enum	1	1	•
StrtStop_StopModeTimer1_mS_M_u32	6850	6850	•
StrtStop_StopModeTimer2_mS_M_u32	3035725312	3035725312	
target_StrtStop_Per1_SSScale_Uls_f32.value target_StrtStop_Per1_SSSiew_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	•	



Test Step 2.9 (Repeat Count = 1)	Innut Value		
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 0.420300007		
StrtStop_SSScale_Uls_M_f32	395.05011		
StrtStop_SSSlewRatePrev_UlspS_M_f32			
StrtStop_StOpModePrevPrev_Cnt_M_enum	2 2		
StrtStop_StOpModePrev_Cnt_M_enum StrtStop_StOpMode Cnt M enum	0		
StrtStop_StopModeTimer1_mS_M_u32	3264295680		
StrtStop_StopModeTimer2_mS_M_u32	1346521344		
k AlgEnable Cnt Igc	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_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		
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_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 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	2	
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 SSSIewRatePrev UlspS M f32	0.598399997	0.598399997 ± 0.1	
StrtStop_StOpModePrevPrev_Cnt_M_enum	2	2	
StrtStop_StOpModePrev_Cnt_M_enum	0	0	
StrtStop_StOpMode_Cnt_M_enum	0	0	
StrtStop StopModeTimer1 mS M u32	3264295680	3264295680	
StrtStop_StopModeTimer2_mS_M_u32	1346521344	1346521344	
target_StrtStop_Per1_SSScale_Uls_f32.value	0.420300007	0.420300007 ± 0.0001	
target_StrtStop_Per1_SSSlew_UlspS_f32.value	0.598399997	0.598399997 ± 0.1	

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) Name	Input Value		
DtrmnElapsedTime_mS_u32(ElapsedTime)	target_DtrmnElapsedTime_mS_u32_Elapsed	dTime	
GetSystemTime_mS_u32(CurrentTime)	target_GetSystemTime_mS_u32_CurrentTin	me	
Rte_Inst_Ap_GMStrtStop	target_Rte_Inst_Ap_GMStrtStop		
StrtStop_SSScale_Uls_M_f32	0.452399999		
StrtStop_SSSlewRatePrev_UlspS_M_f32	308.004211		
StrtStop_StOpModePrevPrev_Cnt_M_enum	3		
StrtStop_StOpModePrev_Cnt_M_enum	3		
StrtStop_StOpMode_Cnt_M_enum	0		
StrtStop_StopModeTimer1_mS_M_u32	1953966592		
StrtStop_StopModeTimer2_mS_M_u32	2470176768		
k_AlgEnable_Cnt_lgc	1		
k_FltRspRampDnRt_UlspS_f32	133.593094		
k_Mode1AssistDD_Uls_f32	0.939199984		
k_Mode1AssistSlew_UlspS_f32	423.450806		
k_Mode1EngTransThresh_Rpm_f32	8704.99805		
k_Mode1VehSpdTransThresh_Kph_f32	125.792999		
k_Mode2AssistDD_UIs_f32	1		
k_Mode2\shSedTransThrank Kah 632	317.219604		
k_Mode2VehSpdTransThresh_Kph_f32	31.566		
k_NormalModeAssistSlew_UlspS_f32	230.854706		
k_NormalModeEngTransThresh_Rpm_f32 k_NormalModeVehSpdTransThresh_Kph_f32	10516.5908 40.2504005		
	271.999115		
k_StopMode1AssistSlew_UlspS_f32 k_StopMode1HwTrqTransThresh_HwNm_f32	9.03719997		
k StopMode1HwVelTransThresh HwDegpS f32	145.298401		
k StopMode1Timer Sec u16	4		
k_StopMode1VehSpdTransThres_Kph_f32	128.620697		
k StopMode2AssistSlew UlspS f32	302.615906		
k_StopMode2HwTrqTransThresh_HwNm_f32	3.55259991		
k_StopMode2HwVelTransThresh_HwDegpS_f32	53.4832001		
k_StopMode2Timer_Sec_u16	4		
k StopMode2VehSpdTransThresh Kph f32	127.954803		
k_StopModeAssistDD_Uls_f32	0.502099991		
target_DtrmnElapsedTime_mS_u32_ElapsedTime	38400		
target_GetSystemTime_mS_u32_CurrentTime	9550		
target_Rte_Inst_Ap_GMStrtStop_StrtStop_Per1_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	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 target_StrtStop_Per1_SSSlew_UlspS_f32.value	0.452399999 230.854706	0.452399999 ± 0.0001 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) 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	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	III	
target_Rte_Inst_Ap_GMStrtStop.StrtStop_Per1_EngSpd_Rpm_f32	target_StrtStop_Per1_EngSpd_Rpm_f32	huDodaC \$22	
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_StrtStop_Per1_HwTorque_HwNm_f3	2	
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_SSStew_Oisp5_i52 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	JZ	
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 Igc.value	0		
target StrtStop Per1 VehicleSpeed Kph f32.value	133.639206		
Name	Actual Value	Expected Value	Resul
StrtStop_SSScale_Uls_M_f32	1	1	Nesul
StrtStop_SSState_Dis_M_132 StrtStop_SSSIewRatePrev_UlspS_M_f32	1	1 ± 0.1	
StrtStop_StOpModePrevPrev_Cnt_M_enum	5	5	
StrStop_StOpModePrev_Cnt_M_enum	0	0	
StrStop_StOpMode_Cnt_M_enum	0	0	
StrStop_StopMode_Crit_m_enum StrtStop_StopModeTimer1_mS_M_u32	2405516544	2405516544	
StrStop_StopModeTimer1_mS_M_u32 StrIStop_StopModeTimer2_mS_M_u32	998968064	998968064	
target_StrtStop_Per1_SSScale_Uls_f32.value	1	1 ± 0.0001	
	1	1 ± 0.1	
target_StrtStop_Per1_SSSlew_UlspS_f32.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 2.12 (Repeat Count = 1) Name	Input Value		
	target_DtrmnElapsedTime_mS_u32_Elapse	dTime	
	target_GetSystemTime_mS_u32_CurrentTir		
	target Rte Inst Ap GMStrtStop		
	1		
	482.200897		
	3		
	2		
	3		
	483324928		
StrtStop_StopModeTimer2_mS_M_u32	3739853312		
	1		
k_FltRspRampDnRt_UlspS_f32	489.309387		
k_Mode1AssistDD_Uls_f32	1		
k_Mode1AssistSlew_UlspS_f32	272.516998		
k_Mode1EngTransThresh_Rpm_f32	14149.6631		
k_Mode1VehSpdTransThresh_Kph_f32	148.4785		
k_Mode2AssistDD_UIs_f32	1		
k_Mode2AssistSlew_UlspS_f32	349.786804		
k_Mode2VehSpdTransThresh_Kph_f32	136.872498		
k_NormalModeAssistSlew_UlspS_f32	77.5610962		
k_NormalModeEngTransThresh_Rpm_f32	13305.2129		
k_NormalModeVehSpdTransThresh_Kph_f32	178.031601		
k_StopMode1AssistSlew_UlspS_f32	280.934204		
k_StopMode1HwTrqTransThresh_HwNm_f32	2.51340008		
k_StopMode1HwVelTransThresh_HwDegpS_f32	30.0678997		
k_StopMode1Timer_Sec_u16	0		
k_StopMode1VehSpdTransThres_Kph_f32	134.326599		
k_StopMode2AssistSlew_UlspS_f32	483.845215		
k_StopMode2HwTrqTransThresh_HwNm_f32	2.9447999		
k_StopMode2HwVelTransThresh_HwDegpS_f32	18.8064003		
k_StopMode2Timer_Sec_u16	4		
k_StopMode2VehSpdTransThresh_Kph_f32	137.608093		
k_StopModeAssistDD_UIs_f32	1		
target_DtrmnElapsedTime_mS_u32_ElapsedTime	48700		
target_GetSystemTime_mS_u32_CurrentTime	12250		
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_StrtStop_Per1_SSState_State_enum		
· · · · · - · - · - · - · - · - ·	target_StrtStop_Per1_VehicleSpeed_Kph_f3	32	
3,5,5,0,0,0	0		
	8795.23633		
target_StrtStop_Per1_HandwheelVelocity_HwRadpS_f32.value	100		
	4.92159986		
target_StrtStop_Per1_SS12VFault_Cnt_lgc.value	1		
target_StrtStop_Per1_VehicleSpeed_Kph_f32.value	155.349503		
Name	Actual Value	Expected Value	Resul
	1	1	•
	489.309387	489.309387 ± 0.1	•
	2	2	•
StrtStop_StOpModePrev_Cnt_M_enum	4	4	•
StrtStop_StOpMode_Cnt_M_enum	4	4	•
StrtStop_StopModeTimer1_mS_M_u32	483324928	483324928	•
	3739853312	3739853312	•
target_StrtStop_Per1_SSScale_Uls_f32.value	1	1 ± 0.0001	•
target_StrtStop_Per1_SSSlew_UlspS_f32.value	489.309387	489.309387 ± 0.1	

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_CurrentTime_mS_u32_CurrentTime_mS_u32_CurrentTime_mS_u32_CurrentTime_mS_u32_CurrentTime_mS_u32_CurrentTime_mS_u32_CurrentTime_mS_u32_CurrentTime_mS_u32_CurrentTime_mS_u32_CurrentTime_mS_u32_CurrentTime_mS_u32_CurrentTime_mS_u32_CurrentTime_mS_u32_CurrentTime_mS_u32_CurrentTime_mS_u32_CurrentTime_mS_u32_CurrentTime_mS_u32_CurrentTime_mS_u32_CurrentTime_mS_u32_CurrentTime_mS_u32_CurrentTime_mS_u32_CurrentTime_mS_u32_CurrentTime_mS_u32_CurrentTime_mS_u32_CurrentTime_mS_u32_CurrentTime_mS_u32_CurrentTime_mS_u32_CurrentTime_mS_u32_CurrentTime_mS_u32_CurrentTime_mS_u32_CurrentTime_mS_u32_CurrentTime_mS_u32_CurrentTime_mS_u32_CurrentTime_mS_u32_CurrentTime_mS_u32_CurrentTime_mS_u32_CurrentTime_mS_u32_CurrentTime_mS_u32_CurrentTime_mS_u32_CurrentTime_mS_u32_CurrentTime_mS_u32_CurrentTime_mS_u32_CurrentTime_mS_u32_CurrentTime_mS_u32_CurrentTime_mS_u32_CurrentTime_mS_u32_CurrentTime_mS_u32_CurrentTime_mS_u32_CurrentTime_mS_u32_CurrentTime_mS_u32_CurrentTime_mS_u32_CurrentTime_mS_u32_CurrentTime_mS_u32_CurrentTime_mS_u32_CurrentTime_mS_u32_CurrentTime_mS_u32_CurrentTime_mS_u32_CurrentTime_mS_u32_CurrentTime_mS_u32_CurrentTime_mS_u32_CurrentTime_mS_u32_CurrentTime_mS_u32_CurrentTime_mS_u32_CurrentTime_mS_u32_CurrentTime_mS_u32_CurrentTime_mS_u32_CurrentTime_mS_u32_CurrentTime_mS_u32_CurrentTime_mS_u32_CurrentTime_mS_u32_CurrentTime_mS_u32_CurrentTime_mS_u32_CurrentTime_mS_u32_CurrentTime_mS_u32_CurrentTime_mS_u32_CurrentTime_mS_u32_CurrentTime_mS_u32_CurrentTime_mS_u32_CurrentTime_mS_u32_CurrentTime_mS_u32_CurrentTime_mS_u32_CurrentTime_mS_u32_CurrentTime_mS_u32_CurrentTime_mS_u32_CurrentTime_mS_u32_CurrentTime_mS_u32_CurrentTime_mS_u32_CurrentTime_mS_u32_CurrentTime_mS_u32_CurrentTime_mS_u32_CurrentTime_mS_u32_CurrentTime_mS_u32_CurrentTime_mS_u32_CurrentTime_mS_u32_CurrentTime_mS_u32_CurrentTime_mS_u32_CurrentTime_mS_u32_CurrentTime_mS_u32_CurrentTime_mS_u32_CurrentTime_mS_u32_CurrentTime_mS_u32_CurrentTime_mS_u32_CurrentTime_mS_u32_CurrentTime_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				
DtrmnElapsedTime_mS_u32(ElapsedTime)	target_DtrmnElapsedTime_mS_u32_Elapse	edTime			
GetSystemTime_mS_u32(CurrentTime)	target_GetSystemTime_mS_u32_CurrentTi	ime			
Rte_Inst_Ap_GMStrtStop	target_Rte_Inst_Ap_GMStrtStop				
StrtStop_SSScale_Uls_M_f32	0.200399995				
StrtStop_SSSlewRatePrev_UlspS_M_f32	152.152298	152.152298			
StrtStop_StOpModePrevPrev_Cnt_M_enum	4				
StrtStop_StOpModePrev_Cnt_M_enum	0				
StrtStop_StOpMode_Cnt_M_enum	0				
StrtStop_StopModeTimer1_mS_M_u32	4059368960				
StrtStop_StopModeTimer2_mS_M_u32	1536502784				
k_AlgEnable_Cnt_lgc	0				
k_FltRspRampDnRt_UlspS_f32	382.198395				
k_Mode1AssistDD_Uls_f32	1				
k_Mode1AssistSlew_UlspS_f32	300.515015				
k_Mode1EngTransThresh_Rpm_f32	4592.97021				
k_Mode1VehSpdTransThresh_Kph_f32	175.644302				
k_Mode2AssistDD_Uls_f32	0.902199984				
k_Mode2AssistSlew_UlspS_f32	278.100189				
k_Mode2VehSpdTransThresh_Kph_f32	61.6217003				
k_NormalModeAssistSlew_UlspS_f32	369.990295				
k_NormalModeEngTransThresh_Rpm_f32	14693.7236				
k_NormalModeVehSpdTransThresh_Kph_f32	99.0494003				
k_StopMode1AssistSlew_UlspS_f32	447.564697				
k_StopMode1HwTrqTransThresh_HwNm_f32	3.70099998				
k_StopMode1HwVelTransThresh_HwDegpS_f32	134.810104				
k_StopMode1Timer_Sec_u16	2				
k_StopMode1VehSpdTransThres_Kph_f32	194.365707				
k_StopMode2AssistSlew_UlspS_f32	117.301697				
k_StopMode2HwTrqTransThresh_HwNm_f32	10				
k_StopMode2HwVelTransThresh_HwDegpS_f32	215.640198				
k_StopMode2Timer_Sec_u16	0				
k_StopMode2VehSpdTransThresh_Kph_f32	5.87150002				
k_StopModeAssistDD_Uls_f32	0.98150003				
target_DtrmnElapsedTime_mS_u32_ElapsedTime	59000				
target_GetSystemTime_mS_u32_CurrentTime	14950				
target_Rte_Inst_Ap_GMStrtStop.StrtStop_Per1_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	h.D-d-0 600			
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	2			
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_APAState_State_enum.value	target_StrtStop_Per1_VehicleSpeed_Kph_f	32			
	8913.5332				
target_StrtStop_Per1_EngSpd_Rpm_f32.value	0				
target_StrtStop_Per1_HandwheelVelocity_HwRadpS_f32.value	6.77419996				
target_StrtStop_Per1_HwTorque_HwNm_f32.value target_StrtStop_Per1_SS12VFault_Cnt_lgc.value	1				
	62.0015984				
target_StrtStop_Per1_VehicleSpeed_Kph_f32.value		E a start Malara	D14		
Name	Actual Value	Expected Value	Result		
StrtStop_SSScale_Uls_M_f32	1	1			
StrtStop_SSSlewRatePrev_UlspS_M_f32	382.198395	382.198395 ± 0.1	•		
StrtStop_StOpModePrevPrev_Cnt_M_enum	0	0			
StrtStop_StOpModePrev_Cnt_M_enum	5	5	•		
StrtStop_StOpMode_Cnt_M_enum	5	5	•		
StrtStop_StopModeTimer1_mS_M_u32	4059368960	4059368960	_		
StrtStop_StopModeTimer2_mS_M_u32	1536502784	1536502784	•		
toward ObstOtors David COCords IIII- 600					
target_StrtStop_Per1_SSScale_Uls_f32.value target_StrtStop_Per1_SSSiew_UlspS_f32.value	1 382.198395	1 ± 0.0001 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		
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	ne -	
StrtStop_SSScale_Uls_M_f32	1		
StrtStop_SSSlewRatePrev_UlspS_M_f32	109.586197		
StrtStop_StOpModePrevPrev_Cnt_M_enum	2		
StrtStop_StOpModePrev_Cnt_M_enum	1		
StrtStop_StOpMode_Cnt_M_enum	4		
StrtStop_StopModeTimer1_mS_M_u32	3682048256		
StrtStop_StopModeTimer2_mS_M_u32	3431939840		
k AlgEnable Cnt Igc	1		
	234.7556		
k_FltRspRampDnRt_UlspS_f32	0.416000009		
k_Mode1AssistDD_UIs_f32			
k_Mode1AssistSlew_UlspS_f32	336.665192		
k_Mode1EngTransThresh_Rpm_f32	10047.8711		
k_Mode1VehSpdTransThresh_Kph_f32	164.589706		
k_Mode2AssistDD_UIs_f32	1		
k_Mode2AssistSlew_UlspS_f32	416.260895		
k_Mode2VehSpdTransThresh_Kph_f32	106.4487		
k_NormalModeAssistSlew_UlspS_f32	21.8469009		
k_NormalModeEngTransThresh_Rpm_f32	13613.1611		
k_NormalModeVehSpdTransThresh_Kph_f32	116.797203		
k_StopMode1AssistSlew_UlspS_f32	446.004913		
k_StopMode1HwTrqTransThresh_HwNm_f32	7.28079987		
k_StopMode1HwVelTransThresh_HwDegpS_f32	57.4882011		
k_StopMode1Timer_Sec_u16	5		
k_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_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 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	13556.9355		
target_StrtStop_Per1_HandwheelVelocity_HwRadpS_f32.value	-60.3300018		
target StrtStop Per1 HwTorque HwNm f32.value	-6.81309986		
target StrtStop Per1 SS12VFault Cnt Igc.value	0		
target_StrtStop_Per1_VehicleSpeed_Kph_f32.value	165.741501		
		Eymantad Value	Decul
Name	Actual Value	Expected Value	Resul
StrtStop_SSScale_Uls_M_f32	1	1	•
StrtStop_SSSlewRatePrev_UlspS_M_f32	234.7556	234.7556 ± 0.1	
StrtStop_StOpModePrevPrev_Cnt_M_enum	1	1	•
StrtStop_StOpModePrev_Cnt_M_enum	4	4	•
StrtStop_StOpMode_Cnt_M_enum	4	4	•
StrtStop_StopModeTimer1_mS_M_u32	3682048256	3682048256	•
StrtStop_StopModeTimer2_mS_M_u32	3431939840	3431939840	•
target_StrtStop_Per1_SSScale_Uls_f32.value	1	1 ± 0.0001	•
target_StrtStop_Per1_SSScale_Uls_f32.value target_StrtStop_Per1_SSSlew_UlspS_f32.value	234.7556	1 ± 0.0001 234.7556 ± 0.1	

Test Step Call Trace						
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	dTime	
GetSystemTime_mS_u32(CurrentTime)	target_GetSystemTime_mS_u32_CurrentTin	me	
Rte_Inst_Ap_GMStrtStop	target_Rte_Inst_Ap_GMStrtStop		
StrtStop_SSScale_Uls_M_f32	0.765200019		
StrtStop_SSSlewRatePrev_UlspS_M_f32	387.793091		
StrtStop_StOpModePrevPrev_Cnt_M_enum	4		
StrtStop_StOpModePrev_Cnt_M_enum	5		
StrtStop_StOpMode_Cnt_M_enum	1		
StrtStop_StopModeTimer1_mS_M_u32	719058944		
StrtStop_StopModeTimer2_mS_M_u32	2913797632		
k_AlgEnable_Cnt_lgc	0		
k_FltRspRampDnRt_UlspS_f32	446.536591		
k_Mode1AssistDD_Uls_f32	0.223499998		
k_Mode1AssistSlew_UlspS_f32	257.166901		
k_Mode1EngTransThresh_Rpm_f32	5982.73096		
k_Mode1VehSpdTransThresh_Kph_f32	133.603897		
k_Mode2AssistDD_UIs_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 166.965393		
k_StopMode2HwVelTransThresh_HwDegpS_f32	4		
k_StopMode2Timer_Sec_u16 k StopMode2VehSpdTransThresh Kph f32	169.188904		
- · · · · · · · · - · - · - · · · · · ·	1		
k_StopModeAssistDD_UIs_f32 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		lwRadoS 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		
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 Igc.value	1		
target_StrtStop_Per1_VehicleSpeed_Kph_f32.value	144.477402		
Name	Actual Value	Expected Value	Resul
StrtStop SSScale Uls M f32	1	1	1.0301
StrtStop_SSSlewRatePrev_UlspS_M_f32	446.536591	446.536591 ± 0.1	
StrtStop_StOpModePrevPrev_Cnt_M_enum	4	440.530391 ± 0.1	
StrtStop_StOpModePrev_Cnt_M_enum	5	5	
StrtStop_StOpMode_Cnt_M_enum	5	5	
StrtStop_StopModeTimer1 mS M u32	719058944	719058944	
StrtStop_StopModeTimer2_mS_M_u32	2913797632	2913797632	
target_StrtStop_Per1_SSScale_Uls_f32.value	1	1 ± 0.0001	
tanger_ontotop_r or r_ooodate_ors_roz.value			
target_StrtStop_Per1_SSSlew_UlspS_f32.value	446.536591	446.536591 ± 0.1	

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





Test Step 2.17 (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	0.694700003		
StrtStop_SSSlewRatePrev_UlspS_M_f32	447.815613		
StrtStop_StOpModePrevPrev_Cnt_M_enum	3		
StrtStop_StOpModePrev_Cnt_M_enum	3		
StrtStop_StOpMode_Cnt_M_enum	0		
StrtStop_StopModeTimer1_mS_M_u32	3370834688		
StrtStop_StopModeTimer2_mS_M_u32	2653925632		
k_AlgEnable_Cnt_lgc	1		
k_FitRspRampDnRt_UlspS_f32	346.304291		
k_Mode1AssistDD_Uls_f32	0.939499974		
k_Mode1AssistSlew_UlspS_f32	1.82420003		
k_Mode1EngTransThresh_Rpm_f32	8928.72754		
k_Mode1VehSpdTransThresh_Kph_f32	54.6978989		
k_Mode2AssistDD_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_UIs_f32	1		
target_DtrmnElapsedTime_mS_u32_ElapsedTime	74450		
target_GetSystemTime_mS_u32_CurrentTime	19000		
target_Rte_Inst_Ap_GMStrtStop_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_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		
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_Uls_f32.value	1	1 ± 0.0001	•
	1 447.815613	1 ± 0.0001 447.815613 ± 0.1	

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	dTime	
DtrmnElapsedTime_mS_u32(ElapsedTime)	target_DtrmnElapsedTime_mS_u32_Elapse		
GetSystemTime_mS_u32(CurrentTime)	target_GetSystemTime_mS_u32_CurrentTir	ne	
Rte_Inst_Ap_GMStrtStop	target_Rte_Inst_Ap_GMStrtStop		
StrtStop_SSScale_Uls_M_f32	0.0795999989		
StrtStop_SSSlewRatePrev_UlspS_M_f32	57.0116997		
StrtStop_StOpModePrevPrev_Cnt_M_enum	2		
StrtStop_StOpModePrev_Cnt_M_enum	1		
StrtStop_StOpMode_Cnt_M_enum	1		
StrtStop_StopModeTimer1_mS_M_u32	973746688		
StrtStop_StopModeTimer2_mS_M_u32	2165551104		
k_AlgEnable_Cnt_lgc	0		
k_FltRspRampDnRt_UlspS_f32	12.1632004		
k_Mode1AssistDD_Uls_f32	0.249899998		
k_Mode1AssistSlew_UlspS_f32	464.909302		
k_Mode1EngTransThresh_Rpm_f32	10430.21		
k_Mode1VehSpdTransThresh_Kph_f32	90.9432983		
k_Mode2AssistDD_Uls_f32	1		
k_Mode2AssistSlew_UlspS_f32	70.3218994		
k_Mode2VehSpdTransThresh_Kph_f32	58.4163017		
k_NormalModeAssistSlew_UlspS_f32	51.281601		
k_NormalModeEngTransThresh_Rpm_f32	1361.36694		
k_NormalModeVehSpdTransThresh_Kph_f32	197.349197		
k_StopMode1AssistSlew_UlspS_f32	132.986099		
k_StopMode1HwTrqTransThresh_HwNm_f32	2.67090011		
k_StopMode1HwVelTransThresh_HwDegpS_f32	247.344803		
k_StopMode1Timer_Sec_u16	2		
k_StopMode1VehSpdTransThres_Kph_f32	48.1529999		
k_StopMode2AssistSlew_UlspS_f32	210.650208		
k_StopMode2HwTrqTransThresh_HwNm_f32	5.80340004		
k_StopMode2HwVelTransThresh_HwDegpS_f32	38.7820015		
k_StopMode2Timer_Sec_u16	5		
k_StopMode2VehSpdTransThresh_Kph_f32	11.0732002		
k_StopModeAssistDD_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_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	4		
target_StrtStop_Per1_EngSpd_Rpm_f32.value	11123.8252		
target_StrtStop_Per1_HandwheelVelocity_HwRadpS_f32.value	51.2145004		
target_StrtStop_Per1_HwTorque_HwNm_f32.value	4.25		
target_StrtStop_Per1_SS12VFault_Cnt_lgc.value	0		
target_StrtStop_Per1_VehicleSpeed_Kph_f32.value	44.7289009		
Name	Actual Value	Expected Value	Resul
StrtStop_SSScale_Uls_M_f32	1	1	
StrtStop SSSIewRatePrev 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	
		2165551104	
StrtSton_StonModeTimer2_mS_M_u32			
StrtStop_StopModeTimer2_mS_M_u32	2165551104		
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	✓





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		
0 = 1= = = = = = = = = = = = = = = = = =	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				
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		
DtrmnElapsedTime_mS_u32(ElapsedTime)	target_DtrmnElapsedTime_mS_u32_Elapse	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	0.987100005		
StrtStop_SSSlewRatePrev_UlspS_M_f32	311.493805		
StrtStop_StOpModePrevPrev_Cnt_M_enum	0		
StrtStop_StOpModePrev_Cnt_M_enum	2		
StrtStop_StOpMode_Cnt_M_enum	1		
StrtStop_StopModeTimer1_mS_M_u32	3392814080		
StrtStop_StopModeTimer2_mS_M_u32	3837766144		
k_AlgEnable_Cnt_lgc	1		
k_FltRspRampDnRt_UlspS_f32	255.894196		
k_Mode1AssistDD_Uls_f32	0.99970001		
k_Mode1AssistSlew_UlspS_f32	452.424988		
k_Mode1EngTransThresh_Rpm_f32	2491.32495		
k_Mode1VehSpdTransThresh_Kph_f32	14.8287001		
k_Mode2AssistDD_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_UIs_f32	0.897300005 89900		
target_DtrmnElapsedTime_mS_u32_ElapsedTime	23050		
target_GetSystemTime_mS_u32_CurrentTime			
target_Rte_Inst_Ap_GMStrtStop_StrtStop_Per1_APAState_State_enum	target_StrtStop_Per1_APAState_State_enu	2111	
target_Rte_Inst_Ap_GMStrtStop_StrtStop_Per1_EngSpd_Rpm_f32	target_StrtStop_Per1_EngSpd_Rpm_f32	HurBadas 122	
target_Rte_Inst_Ap_GMStrtStop_StrtStop_Per1_HandwheelVelocity_HwRadpS_f32 target_Rte_Inst_Ap_GMStrtStop.StrtStop_Per1_HwTorque_HwNm_f32	target_StrtStop_Per1_HandwheelVelocity_ target_StrtStop_Per1_HwTorque_HwNm_f;	· -	
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	n	
target_Rte_Inst_Ap_GMStrtStop.StrtStop_Per1_VehicleSpeed_Kph_f32	target_StrtStop_Per1_VehicleSpeed_Kph_t		
target StrtStop Per1 APAState State enum.value	0	102	
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 Igc.value	0		
target_StrtStop_Per1_VehicleSpeed_Kph_f32.value	111.213699		
Name	Actual Value	Expected Value	Result
	1	1	Result
StrtStop_SSScale_Uls_M_f32 StrtStop_SSSlewRatePrev_UlspS_M_f32	99.6003036	99.6003036 ± 0.1	
StrtStop_StOpModePrevPrev_Cnt_M_enum	2	99.6003036 ± 0.1	
StrtStop StOpModePrev Cnt M enum	0	0	
StrtStop_StOpMode_Cnt_M_enum	0	0	
StrtStop_StopModeTimer1_mS_M_u32	3392814080	3392814080	
StrtStop StopModeTimer _mS_M_u32 StrtStop StopModeTimer2 mS M u32	3837766144	3837766144	
	1	1 + 0 0001	
target_StrtStop_Per1_SSScale_Uls_f32.value target_StrtStop_Per1_SSSlew_UlspS_f32.value	99.6003036	1 ± 0.0001 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_Uls_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_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	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	•
	8897792	8897792	•
	1	1 ± 0.0001	
target_otrtotop_r err_ooocate_ors_roz.value			
0 = 1 = = = =	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	edTime	
GetSystemTime_mS_u32(CurrentTime)	target_GetSystemTime_mS_u32_CurrentT	ïme	
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	um	
target_Rte_Inst_Ap_GMStrtStop.StrtStop_Per1_EngSpd_Rpm_f32	target_StrtStop_Per1_EngSpd_Rpm_f32	LlwD-d-0 f00	
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_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_APAState_State_enum.value	target_StrtStop_Per1_VehicleSpeed_Kph_1	132	
	11541.3486		
target_StrtStop_Per1_EngSpd_Rpm_f32.value			
target_StrtStop_Per1_HandwheelVelocity_HwRadpS_f32.value	-82.199501 3.29250002		
target_StrtStop_Per1_HwTorque_HwNm_f32.value target_StrtStop_Per1_SS12VFault_Cnt_lgc.value	1		
target_StrtStop_Per1_VehicleSpeed_Kph_f32.value	41.0653992		
		Funcated Value	Daguil
Name	Actual Value	Expected Value	Result
StrtStop_SSScale_Uls_M_f32	1	1 5 75460000 + 0.4	
StrtStop_SSSlewRatePrev_UlspS_M_f32	5.75169992	5.75169992 ± 0.1	•
StrtStop_StOpModePrevPrev_Cnt_M_enum	2	2	•
StrtStop_StOpModePrev_Cnt_M_enum	4	4	
StrtStop_StopMode_Cnt_M_enum	3693000744	4	•
StrtStop_StopModeTimer1_mS_M_u32	2683999744	2683999744	•
StrtStop StopModeTimer2 mS M u32	2203808768	2203808768	~
target_StrtStop_Per1_SSScale_UIs_f32.value target_StrtStop_Per1_SSSlew_UIspS_f32.value	5.75169992	1 ± 0.0001 5.75169992 ± 0.1	•

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)				
Name	Input Value	- dTi		
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	269.720398			
StrtStop_StOpModePrevPrev_Cnt_M_enum	3			
StrtStop_StOpModePrev_Cnt_M_enum	5			
StrtStop_StopMode_Cnt_M_enum StrtStop_StopModeTimer1_mS_M_u22	2286796800			
StrtStop_StopModeTimer1_mS_M_u32	2699398656			
StrtStop_StopModeTimer2_mS_M_u32 k AlgEnable Cnt lgc	1			
	54.6221008			
k_FitRspRampDnRt_UlspS_f32	0.104800001			
k_Mode1AssistDD_UIs_f32	58.0559998			
k_Mode1AssistSlew_UlspS_f32	10000			
k_Mode1EngTransThresh_Rpm_f32	176.499298			
k_Mode1VehSpdTransThresh_Kph_f32	1			
k_Mode2AssistDD_UIs_f32 k_Mode2AssistSlew_UIspS_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_Uls_f32	0.572799981			
target_DtrmnElapsedTime_mS_u32_ElapsedTime	105350			
target_GetSystemTime_mS_u32_CurrentTime	27100			
target_Rte_Inst_Ap_GMStrtStop_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		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 Igc	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_enum	target_StrtStop_Per1_SSState_State_enui	n		
target Rte Inst Ap GMStrtStop.StrtStop Per1 VehicleSpeed Kph f32	target StrtStop Per1 VehicleSpeed Kph			
target_StrtStop_Per1_APAState_State_enum.value	0			
target_StrtStop_Per1_EngSpd_Rpm_f32.value	8687.39941			
target_StrtStop_Per1_HandwheelVelocity_HwRadpS_f32.value	43.3185997			
target_StrtStop_Per1_HwTorque_HwNm_f32.value	8.95400047			
target StrtStop Per1 SS12VFault Cnt lgc.value	0			
target_StrtStop_Per1_VehicleSpeed_Kph_f32.value	0			
Name	Actual Value	Expected Value	Result	
StrtStop_SSScale_Uls_M_f32	0.104800001	0.104800001		
StrtStop SSSlewRatePrev UlspS M f32	1	1 ± 0.1		
StrtStop_StOpModePrevPrev_Cnt_M_enum	5	5		
StrtStop_StOpModePrev_Cnt_M_enum	1	1		
StrtStop_StOpMode_Cnt_M_enum	1	1		
StrtStop_StopModeTimer1_mS_M_u32	27100	27100		
StrtStop StopModeTimer2 mS M u32	2699398656	2699398656		
target_StrtStop_Per1_SSScale_Uls_f32.value	0.104800001	0.104800001 ± 0.0001		
target_StrtStop_Per1_SSSlew_UlspS_f32.value	1	1 ± 0.1		
3		. = •		

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





Test Step 2.24 (Repeat Count = 1) Name	Input Value		
	target_DtrmnElapsedTime_mS_u32_Elapsed	dTime	
	target_GetSystemTime_mS_u32_CurrentTin		
	target_Rte_Inst_Ap_GMStrtStop		
	0.0888999999		
·	412.906799		
	1		
	1		
	0		
StrtStop_StopModeTimer1_mS_M_u32	2444591872		
StrtStop_StopModeTimer2_mS_M_u32	816191744		
k_AlgEnable_Cnt_lgc	1		
k_FltRspRampDnRt_UlspS_f32	408.963806		
k_Mode1AssistDD_Uls_f32	0.460900009		
k_Mode1AssistSlew_UlspS_f32	157.200607		
k_Mode1EngTransThresh_Rpm_f32	11000		
k_Mode1VehSpdTransThresh_Kph_f32	116.117699		
k_Mode2AssistDD_UIs_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_UIs_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_enun	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_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	
. 3.2	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	•
target_StrtStop_Per1_SSScale_Uls_f32.value	0.0888999999	0.0888999999 ± 0.0001	•
target_StrtStop_Per1_SSSlew_UlspS_f32.value	374.949707	374.949707 ± 0.1	•

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





Test Step 2.25 (Repeat Count = 1)	Inmut Value		
Name DtrmpElancedTime ms u22/ElancedTime)	Input Value	dTimo	
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	nie -	
StrtStop SSScale Uls M f32	1		
StrtStop_SSSlewRatePrev_UlspS_M_f32	76.8687973		
StrtStop_StOpModePrevPrev_Cnt_M_enum	2		
StrtStop_StOpModePrev_Cnt_M_enum	1		
StrtStop_StOpMode_Cnt_M_enum	0		
StrtStop_StopModeTimer1_mS_M_u32	3158981120		
StrtStop StopModeTimer2 mS M u32	89159680		
k AlgEnable Cnt lgc	1		
k_FltRspRampDnRt_UlspS_f32	408.486298		
k Mode1AssistDD Uls f32	1		
k_Mode1AssistSlew_UlspS_f32	72.3985977		
k Mode1EngTransThresh Rpm f32	12000		
k Mode1VehSpdTransThresh Kph f32	39.8661003		
k_Mode2AssistDD_Uls_f32	1		
k_Mode2AssistSlew_UlspS_f32	330.232513		
k_Mode2VehSpdTransThresh_Kph_f32	63.1749001		
k_NormalModeAssistSlew_UlspS_f32	389.889587		
k_NormalModeEngTransThresh_Rpm_f32	239.761002		
k_NormalModeVehSpdTransThresh_Kph_f32	148.384399		
k_StopMode1AssistSlew_UlspS_f32	468.068695		
k_StopMode1HwTrqTransThresh_HwNm_f32	5.03490019		
k_StopMode1HwVelTransThresh_HwDegpS_f32	24.5688992		
k_StopMode1Timer_Sec_u16	1		
k_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_UIs_f32	0.1417		
target_DtrmnElapsedTime_mS_u32_ElapsedTime	115650		
target_GetSystemTime_mS_u32_CurrentTime	29800		
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	l	
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	1215.20496		
target_StrtStop_Per1_HandwheelVelocity_HwRadpS_f32.value	-13.3400002		
target_StrtStop_Per1_HwTorque_HwNm_f32.value	-4.85129976		
target_StrtStop_Per1_SS12VFault_Cnt_lgc.value	0		
target_StrtStop_Per1_VehicleSpeed_Kph_f32.value	111.899803		
Name	Actual Value	Expected Value	Resul
StrtStop_SSScale_Uls_M_f32	1	1	•
StrtStop_SSSlewRatePrev_UlspS_M_f32	389.889587	389.889587 ± 0.1	•
StrtStop_StOpModePrevPrev_Cnt_M_enum	1	1	
StrtStop_StOpModePrev_Cnt_M_enum	0	0	
StrtStop_StOpMode_Cnt_M_enum	0	0	
StrtStop_StopModeTimer1_mS_M_u32	3158981120	3158981120	•
StrtStop_StopModeTimer2_mS_M_u32	89159680	89159680	•
target_StrtStop_Per1_SSScale_Uls_f32.value	1	1 ± 0.0001	•
target_StrtStop_Per1_SSSlew_UlspS_f32.value	389.889587	389.889587 ± 0.1	•

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_SSSlewRatePrev_UlspS_M_f32	321.594788	321.594788 ± 0.1	•
StrtStop_StOpModePrevPrev_Cnt_M_enum	3	3	•
StrtStop_StOpModePrev_Cnt_M_enum	1	1	•
StrtStop_StOpMode_Cnt_M_enum	1	1	•
StrtStop_StopModeTimer1_mS_M_u32	31150	31150	•
StrtStop_StopModeTimer2_mS_M_u32	2878167808	2878167808	•
target_StrtStop_Per1_SSScale_Uls_f32.value	1	1 ± 0.0001	•
target_StrtStop_Per1_SSSlew_UlspS_f32.value	321.594788	321.594788 ± 0.1	

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		
	Input Value	ndTime.	
DtrmnElapsedTime_mS_u32(ElapsedTime) GetSystemTime_mS_u32(CurrentTime)	target_DtrmnElapsedTime_mS_u32_Elapsetarget_GetSystemTime_mS_u32_CurrentTime_mS_u32_CurrentTime_mS_u32_CurrentTime_mS_u32_CurrentTime_mS_u32_CurrentTime_mS_u32_CurrentTime_mS_u32_CurrentTime_mS_u32_CurrentTime_mS_u32_CurrentTime_mS_u32_CurrentTime_mS_u32_CurrentTime_mS_u32_CurrentTime_mS_u32_CurrentTime_mS_u32_CurrentTime_mS_u32_CurrentTime_mS_u32_CurrentTime_mS_u32_CurrentTime_mS_u32_CurrentTime_mS_u32_CurrentTime_mS_u32_CurrentTime_mS_u32_CurrentTime_mS_u32_CurrentTime_mS_u32_CurrentTime_mS_u32_CurrentTime_mS_u32_CurrentTime_mS_u32_CurrentTime_mS_u32_CurrentTime_mS_u32_CurrentTime_mS_u32_CurrentTime_mS_u32_CurrentTime_mS_u32_CurrentTime_mS_u32_CurrentTime_mS_u32_CurrentTime_mS_u32_CurrentTime_mS_u32_CurrentTime_mS_u32_CurrentTime_mS_u32_CurrentTime_mS_u32_CurrentTime_mS_u32_CurrentTime_mS_u32_CurrentTime_mS_u32_CurrentTime_mS_u32_CurrentTime_mS_u32_CurrentTime_mS_u32_CurrentTime_mS_u32_CurrentTime_mS_u32_CurrentTime_mS_u32_CurrentTime_mS_u32_CurrentTime_mS_u32_CurrentTime_mS_u32_CurrentTime_mS_u32_CurrentTime_mS_u32_CurrentTime_mS_u32_CurrentTime_mS_u32_CurrentTime_mS_u32_CurrentTime_mS_u32_CurrentTime_mS_u32_CurrentTime_mS_u32_CurrentTime_mS_u32_CurrentTime_mS_u32_CurrentTime_mS_u32_CurrentTime_mS_u32_CurrentTime_mS_u32_CurrentTime_mS_u32_CurrentTime_mS_u32_CurrentTime_mS_u32_CurrentTime_mS_u32_CurrentTime_mS_u32_CurrentTime_mS_u32_CurrentTime_mS_u32_CurrentTime_mS_u32_CurrentTime_mS_u32_CurrentTime_mS_u32_CurrentTime_mS_u32_CurrentTime_mS_u32_CurrentTime_mS_u32_CurrentTime_mS_u32_CurrentTime_mS_u32_CurrentTime_mS_u32_CurrentTime_mS_u32_CurrentTime_mS_u32_CurrentTime_mS_u32_CurrentTime_mS_u32_CurrentTime_mS_u32_CurrentTime_mS_u32_CurrentTime_mS_u32_CurrentTime_mS_u32_CurrentTime_mS_u32_CurrentTime_mS_u32_CurrentTime_mS_u32_CurrentTime_mS_u32_CurrentTime_mS_u32_CurrentTime_mS_u32_CurrentTime_mS_u32_CurrentTime_mS_u32_CurrentTime_mS_u32_CurrentTime_mS_u32_CurrentTime_mS_u32_CurrentTime_mS_u32_CurrentTime_mS_u32_CurrentTime_mS_u32_CurrentTime_mS_u32_CurrentTime_mS_u32_CurrentTime_mS_u32_CurrentTime_mS_u32_Curre		
Rte_Inst_Ap_GMStrtStop	target_Rte_Inst_Ap_GMStrtStop	ille	
StrtStop SSScale Uls M f32	1		
StrtStop_SSSlewRatePrev_UlspS_M_f32	214.810394		
StrtStop_StOpModePrevPrev_Cnt_M_enum	5		
	2		
StrtStop_StOpModePrev_Cnt_M_enum	1		
StrtStop_StopMode_Cnt_M_enum StrtStop_StopModeTimer1_mS_M_u22			
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_UIs_f32	1		
k_Mode1AssistSlew_UlspS_f32	499.013885		
k_Mode1EngTransThresh_Rpm_f32	4146.84619		
k_Mode1VehSpdTransThresh_Kph_f32	42.9118996		
k_Mode2AssistDD_Uls_f32	0.188199997		
k_Mode2AssistSlew_UlspS_f32	299.610107		
k_Mode2VehSpdTransThresh_Kph_f32	187.768295		
k_NormalModeAssistSlew_UlspS_f32	42.3726006		
k_NormalModeEngTransThresh_Rpm_f32	1361.43152		
k_NormalModeVehSpdTransThresh_Kph_f32	182.747406		
k_StopMode1AssistSlew_UlspS_f32	320.782104		
k_StopMode1HwTrqTransThresh_HwNm_f32	10		
k_StopMode1HwVelTransThresh_HwDegpS_f32	200.953094		
k_StopMode1Timer_Sec_u16	5		
k_StopMode1VehSpdTransThres_Kph_f32	19.0207996		
k_StopMode2AssistSlew_UlspS_f32	314.325012		
k_StopMode2HwTrqTransThresh_HwNm_f32	2.27979994		
k_StopMode2HwVelTransThresh_HwDegpS_f32	166.614197		
k_StopMode2Timer_Sec_u16	5		
k_StopMode2VehSpdTransThresh_Kph_f32	72.7316971		
k_StopModeAssistDD_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	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_I	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	n	
target_Rte_Inst_Ap_GMStrtStop_StrtStop_Per1_VehicleSpeed_Kph_f32	target_StrtStop_Per1_VehicleSpeed_Kph_t		
target StrtStop Per1 APAState State enum.value		02	
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_SSSlewRatePrev_UlspS_M_f32	42.3726006	42.3726006 ± 0.1	•
StrtStop_StOpModePrevPrev_Cnt_M_enum	2	2	•
StrtStop_StOpModePrev_Cnt_M_enum	0	0	
StrtStop_StOpMode_Cnt_M_enum	0	0	
StrtStop_StopModeTimer1_mS_M_u32	1639613440	1639613440	
StrtStop_StopModeTimer2_mS_M_u32	1008906752	1008906752	•
target_StrtStop_Per1_SSScale_Uls_f32.value	1	1 ± 0.0001	•
target_StrtStop_Per1_SSSlew_UlspS_f32.value	42.3726006	42.3726006 ± 0.1	
target_Stristop_Ferr_SSSiew_OispS_i32.value			

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) Name	Input Value		
	target_DtrmnElapsedTime_mS_u32_Elapse	dTime	
	target_GetSystemTime_mS_u32_CurrentTim		
	target_Rte_Inst_Ap_GMStrtStop		
	0.753199995		
	272.523193		
	1		
	3		
	2		
StrtStop_StopModeTimer1_mS_M_u32	2642360064		
StrtStop_StopModeTimer2_mS_M_u32	813608192		
k_AlgEnable_Cnt_lgc	1		
k_FltRspRampDnRt_UlspS_f32	228.535995		
k_Mode1AssistDD_Uls_f32	0.355300009		
k_Mode1AssistSlew_UlspS_f32	154.203201		
k_Mode1EngTransThresh_Rpm_f32	15600.4355		
k_Mode1VehSpdTransThresh_Kph_f32	61.9305992		
k_Mode2AssistDD_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		
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	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_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	2	
. 3.2	0		
•	8064.01074		
target_StrtStop_Per1_HandwheelVelocity_HwRadpS_f32.value	98.0602036		
2,5-1,1-1,1-1	-0.784600019		
. 3.2	0		
target_StrtStop_Per1_VehicleSpeed_Kph_f32.value	128.8255		
Name	Actual Value	Expected Value	Resul
StrtStop_SSScale_Uls_M_f32	1	1	
StrtStop_SSSlewRatePrev_UlspS_M_f32	228.535995	228.535995 ± 0.1	•
StrtStop_StOpModePrevPrev_Cnt_M_enum	1	1	•
StrtStop_StOpModePrev_Cnt_M_enum	3	3	•
StrtStop_StOpMode_Cnt_M_enum	3	3	•
StrtStop_StopModeTimer1_mS_M_u32	2642360064	2642360064	•
StrtStop_StopModeTimer2_mS_M_u32	33850	33850	•
target_StrtStop_Per1_SSScale_Uls_f32.value	1	1 ± 0.0001	•
target_StrtStop_Per1_SSSlew_UlspS_f32.value	228.535995	228.535995 ± 0.1	•

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_Elaps	edTime	
GetSystemTime_mS_u32(CurrentTime)	target_GetSystemTime_mS_u32_CurrentT	ïme	
Rte_Inst_Ap_GMStrtStop	target_Rte_Inst_Ap_GMStrtStop		
StrtStop_SSScale_Uls_M_f32	0.939899981		
StrtStop_SSSlewRatePrev_UlspS_M_f32	397.437714		
StrtStop_StOpModePrevPrev_Cnt_M_enum	0		
StrtStop_StOpModePrev_Cnt_M_enum	3		
StrtStop_StOpMode_Cnt_M_enum	3		
StrtStop_StopModeTimer1_mS_M_u32	2552763648		
StrtStop_StopModeTimer2_mS_M_u32	2878167808		
k_AlgEnable_Cnt_lgc	1		
k_FltRspRampDnRt_UlspS_f32	321.594788		
k_Mode1AssistDD_Uls_f32	1		
k_Mode1AssistSlew_UlspS_f32	33.2778015		
k_Mode1EngTransThresh_Rpm_f32	11895.8896		
k_Mode1VehSpdTransThresh_Kph_f32	173.997299		
k_Mode2AssistDD_Uls_f32	0.233400002		
k_Mode2AssistSlew_UlspS_f32	451.981812		
k_Mode2VehSpdTransThresh_Kph_f32	152.578903		
k_NormalModeAssistSlew_UlspS_f32	426.239899		
k_NormalModeEngTransThresh_Rpm_f32	7448.78125		
k_NormalModeVehSpdTransThresh_Kph_f32	117.726402		
k_StopMode1AssistSlew_UlspS_f32	168.650894		
k_StopMode1HwTrqTransThresh_HwNm_f32	8.25		
k_StopMode1HwVelTransThresh_HwDegpS_f32	167.790405		
k_StopMode1Timer_Sec_u16	0		
k_StopMode1VehSpdTransThres_Kph_f32	73.2904968		
k_StopMode2AssistSlew_UlspS_f32	41.2981987		
k_StopMode2HwTrqTransThresh_HwNm_f32	3.71029997		
k_StopMode2HwVelTransThresh_HwDegpS_f32	28.1320992		
k_StopMode2Timer_Sec_u16	1		
k_StopMode2VehSpdTransThresh_Kph_f32	15.5811005		
k_StopModeAssistDD_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_end	um	
target_Rte_Inst_Ap_GMStrtStop.StrtStop_Per1_EngSpd_Rpm_f32	target_StrtStop_Per1_EngSpd_Rpm_f32	Hupadas 622	
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_StrtStop_Per1_HwTorque_HwNm_f		
·	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_SSSIew_UlspS_f32 target_Rte_Inst_Ap_GMStrtStop.StrtStop_Per1_SSState_State_enum	target_StrtStop_Per1_SSState_State_enur	m	
target_Rte_Inst_Ap_GMStrtStop.StrtStop_Per1_VehicleSpeed_Kph_f32 target_StrtStop_Per1_APAState_State_enum.value	target_StrtStop_Per1_VehicleSpeed_Kph_	132	
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 Igc.value	0		
target_StrtStop_Per1_VehicleSpeed_Kph_f32.value	127.472397		
Name	Actual Value	Expected Value	Result
	1	•	Result
StrtStop_SSScale_Uls_M_f32 StrtStop_SSSlewRatePrev_UlspS_M_f32		1	
StrtStop_SSSlewRatePrev_UIspS_M_132 StrtStop_StOpModePrevPrev_Cnt_M_enum	426.239899	426.239899 ± 0.1	
StrtStop_StOpModePrevPrev_Cnt_M_enum StrtStop_StOpModePrev_Cnt_M_enum	0	0	Ž
	0	0	- J
StrtStop_StOpMode_Cnt_M_enum			
StrtStop StopModeTimer1 mS M u32	2552763648	2552763648	
StrtStop_StopModeTimer1_mS_M_u32	2878167808	2878167808	
StrtStop_StopModeTimer2_mS_M_u32	2878167808	2878167808	~
	2878167808 1 426.239899	2878167808 1 ± 0.0001 426.239899 ± 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 2.30 (Repeat Count = 1) Name	Input Value		
	target_DtrmnElapsedTime_mS_u32_Elapse	dTime	
	target_GetSystemTime_mS_u32_CurrentTir		
	target_Rte_Inst_Ap_GMStrtStop		
	1		
	214.810394		
	5		
	2		
	4		
	1639613440		
	1008906752		
	1		
k_FltRspRampDnRt_UlspS_f32	64.5850983		
_ , , _ , _	1		
	499.013885		
	4146.84619		
k Mode1VehSpdTransThresh Kph f32	42.9118996		
k_Mode2AssistDD_Uls_f32	0.188199997		
	299.610107		
k_Mode2VehSpdTransThresh_Kph_f32	187.768295		
	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	141400		
target_GetSystemTime_mS_u32_CurrentTime	36550		
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	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_SSSlewRatePrev_UlspS_M_f32	64.5850983	64.5850983 ± 0.1	•
StrtStop_StOpModePrevPrev_Cnt_M_enum	2	2	•
StrtStop_StOpModePrev_Cnt_M_enum	4	4	•
StrtStop_StOpMode_Cnt_M_enum	4	4	
StrtStop_StopModeTimer1_mS_M_u32	1639613440	1639613440	•
StrtStop_StopModeTimer2_mS_M_u32	1008906752	1008906752	•
target_StrtStop_Per1_SSScale_Uls_f32.value	1	1 ± 0.0001	•
target_StrtStop_Per1_SSSlew_UlspS_f32.value	64.5850983	64.5850983 ± 0.1	'

Test Step Call Trace				
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 J _ U.UUU I	
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) 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	0.100000001		
StrtStop_StOpModePrevPrev_Cnt_M_enum	5		
StrtStop_StOpModePrev_Cnt_M_enum	2		
StrtStop_StOpMode_Cnt_M_enum	1		
StrtStop_StopModeTimer1_mS_M_u32	3214987520		
StrtStop_StopModeTimer2_mS_M_u32	4093228800		
k_AlgEnable_Cnt_lgc	0		
k_FitRspRampDnRt_UlspS_f32	280.673401		
k_Mode1AssistDD_Uls_f32	1		
k_Mode1AssistSlew_UlspS_f32	464.014801		
k_Mode1EngTransThresh_Rpm_f32	7524.68506		
k_Mode1VehSpdTransThresh_Kph_f32	77.0968018		
k_Mode2AssistDD_Uls_f32	0.260699987		
k_Mode2AssistSlew_UlspS_f32	173.098297		
k_Mode2VehSpdTransThresh_Kph_f32	57.9828987		
k_NormalModeAssistSlew_UlspS_f32	152.613007		
k_NormalModeEngTransThresh_Rpm_f32	12570.4805		
k_NormalModeVehSpdTransThresh_Kph_f32	131.906006		
k_StopMode1AssistSlew_UlspS_f32	290.0867		
k_StopMode1HwTrqTransThresh_HwNm_f32	0.492599994		
k_StopMode1HwVelTransThresh_HwDegpS_f32	127.415398		
k_StopMode1Timer_Sec_u16	1		
k_StopMode1VehSpdTransThres_Kph_f32	104.4161		
k_StopMode2AssistSlew_UlspS_f32	391.097198		
k_StopMode2HwTrqTransThresh_HwNm_f32	9.06449986		
k_StopMode2HwVelTransThresh_HwDegpS_f32	56.8931007		
k_StopMode2Timer_Sec_u16	2		
k_StopMode2VehSpdTransThresh_Kph_f32	145.815308		
k_StopModeAssistDD_UIs_f32	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_enu	III	
target_Rte_Inst_Ap_GMStrtStop.StrtStop_Per1_EngSpd_Rpm_f32	target_StrtStop_Per1_EngSpd_Rpm_f32	huDodae 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_SSScale_Ols_i32 target_Rte_Inst_Ap_GMStrtStop.StrtStop_Per1_SSSlew_UlspS_f32	target StrtStop Perl 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_f3		
target_StrtStop_Per1_APAState_State_enum.value	2	3 <u>2</u>	
target_StrtStop_Per1_EngSpd_Rpm_f32.value	14296.4619		
target_StrtStop_Fer1_EngSpu_Rpm_isz.value target_StrtStop_Per1_HandwheelVelocity_HwRadpS_f32.value	29.8362007		
target_StriStop_Fe11_Haridwheervelocity_HwRadpS_i32.value	8.80440044		
target StrtStop Per1 SS12VFault Cnt Igc.value	0		
target_StrtStop_Per1_VehicleSpeed_Kph_f32.value	7.67659998		
Name	Actual Value	Expected Value	Resu
StrtStop_SSScale_Uls_M_f32	1	1	i vesu
StrtStop_SSState_Dis_M_i32 StrtStop_SSSlewRatePrev_UlspS_M_f32	0.100000001	0.100000001 ± 0.1	
StrtStop_StOpModePrevPrev_Cnt_M_enum	2	2	
StrIStop_StOpModePrev_Cnt_M_enum	5	5	
StrStop_StOpMode_Cnt_M_enum	5	5	
StrStop_StopModeTimer1 mS M u32	3214987520	3214987520	
StrStop_StopModeTimer1_mS_M_u32 StrlStop_StopModeTimer2_mS_M_u32	4093228800	4093228800	
target_StrtStop_Per1_SSScale_Uls_f32.value	1	1 ± 0.0001	
target_StrtStop_Per1_SSScale_Uis_132.value target_StrtStop_Per1_SSSlew_UlspS_f32.value	0.100000001	0.100000001 ± 0.1	
		U JUUUUUU ± U.	

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	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	1		
StrtStop_SSSlewRatePrev_UlspS_M_f32	500		
StrtStop_StOpModePrevPrev_Cnt_M_enum	5		
StrtStop_StOpModePrev_Cnt_M_enum	0		
StrtStop_StOpMode_Cnt_M_enum	5		
StrtStop_StopModeTimer1_mS_M_u32	3376435200		
StrtStop_StopModeTimer2_mS_M_u32	390962688		
k_AlgEnable_Cnt_lgc	0		
k_FltRspRampDnRt_UlspS_f32	130.484497		
k_Mode1AssistDD_Uls_f32	1		
k_Mode1AssistSlew_UlspS_f32	340.554108		
k_Mode1EngTransThresh_Rpm_f32	14888.3496		
k_Mode1VehSpdTransThresh_Kph_f32	114.898399		
k_Mode2AssistDD_UIs_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_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	ım	
target_Rte_Inst_Ap_GMStrtStop.StrtStop_Per1_EngSpd_Rpm_f32	target_StrtStop_Per1_EngSpd_Rpm_f32	hD- d- 0, 500	
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_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	2	
	target_StrtStop_Per1_SSState_State_enum		
target_Rte_Inst_Ap_GMStrtStop.StrtStop_Per1_VehicleSpeed_Kph_f32 target_StrtStop_Per1_APAState_State_enum.value	target_StrtStop_Per1_VehicleSpeed_Kph_1	32	
target_StrtStop_Per1_EngSpd_Rpm_f32.value	12299.8311 -30.0855999		
target_StrtStop_Per1_HandwheelVelocity_HwRadpS_f32.value target_StrtStop_Per1_HwTorque_HwNm_f32.value	-7.65990019		
	1		
target_StrtStop_Per1_SS12VFault_Cnt_lgc.value	130.206894		
target_StrtStop_Per1_VehicleSpeed_Kph_f32.value		Form a stand Walter	D
Name	Actual Value	Expected Value	Result
StrtStop_SSScale_Uls_M_f32	1	1	
StrtStop_SSSlewRatePrev_UlspS_M_f32	500	500 ± 0.1	· ·
StrtStop_StOpModePrevPrev_Cnt_M_enum	0	0	~
StrtStop_StOpModePrev_Cnt_M_enum	5	5	
StrtStop_StopMode_Cnt_M_enum	5	5	· ·
StrtStop_StopModeTimer1_mS_M_u32	3376435200	3376435200	•
StrtStop_StopModeTimer2_mS_M_u32	390962688	390962688	~
target_StrtStop_Per1_SSScale_UIs_f32.value	1	1 ± 0.0001	*
target_StrtStop_Per1_SSSlew_UlspS_f32.value	500	500 ± 0.1	· ·
target_StrtStop_Per1_SSState_State_enum.value	5	5	✓

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





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





Test Step 2.35 (Repeat Count = 1)			
	Input Value		
DtrmnElapsedTime_mS_u32(ElapsedTime)	target_DtrmnElapsedTime_mS_u32_Elapse	dTime	
GetSystemTime_mS_u32(CurrentTime)	target_GetSystemTime_mS_u32_CurrentTin	ne	
	target_Rte_Inst_Ap_GMStrtStop		
	0.587899983		
StrtStop_SSSlewRatePrev_UlspS_M_f32	413.556702		
StrtStop_StOpModePrevPrev_Cnt_M_enum	5		
StrtStop_StOpModePrev_Cnt_M_enum	0		
StrtStop_StOpMode_Cnt_M_enum	3		
StrtStop_StopModeTimer1_mS_M_u32	2404469248		
StrtStop_StopModeTimer2_mS_M_u32	1970866176		
k_AlgEnable_Cnt_lgc	0		
k_FitRspRampDnRt_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_UIs_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		
	1.25619996		
	91.430603		
k_StopMode1Timer_Sec_u16	2		
	30.8568001		
	229.089905		
	5.7343998		
	98.5391998		
	2		
	42.1063004		
	1		
	167150		
	43300		
	target_StrtStop_Per1_APAState_State_enu	m	
	target_StrtStop_Per1_EngSpd_Rpm_f32		
	target_StrtStop_Per1_HandwheelVelocity_F	lwRadnS f32	
	target StrtStop Per1 HwTorque HwNm f3	· -	
	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		
	0	<u>, </u>	
	11037.5322		
•			
target_StrtStop_Per1_HandwheelVelocity_HwRadpS_f32.value	-62.7341003		
0 = 1 = = =	8.90699959		
3,5,1,1,1,1,1	0		
0 - 1 - 1 - 1 - 1	68.4180984		
	Actual Value	Expected Value	Resul
	1	1	
	219.563995	219.563995 ± 0.1	•
12 1 2 2 2	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	
- J			

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





Test Step 2.36 (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	target_Rte_Inst_Ap_GMStrtStop		
StrtStop_SSScale_Uls_M_f32	0.141000003		
StrtStop_SSSlewRatePrev_UlspS_M_f32	327.05069		
StrtStop_StOpModePrevPrev_Cnt_M_enum	3		
StrtStop_StOpModePrev_Cnt_M_enum	0		
StrtStop_StOpMode_Cnt_M_enum	2		
StrtStop_StopModeTimer1_mS_M_u32	3478316288		
StrtStop_StopModeTimer2_mS_M_u32	1901308672		
k_AlgEnable_Cnt_lgc	1		
k_FltRspRampDnRt_UlspS_f32	442.736908		
k_Mode1AssistDD_Uls_f32	1		
k_Mode1AssistSlew_UlspS_f32	449.089294		
k_Mode1EngTransThresh_Rpm_f32	6156.07959		
k_Mode1VehSpdTransThresh_Kph_f32	83.7696991		
k_Mode2AssistDD_UIs_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_en	ım	
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_	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_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	m	
target_Rte_Inst_Ap_GMStrtStop_StrtStop_Per1_VehicleSpeed_Kph_f32	target_StrtStop_Per1_VehicleSpeed_Kph_		
target StrtStop Per1 APAState State enum.value	0	132	
· - ·			
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	
target_StrtStop_Per1_SSScale_Uls_f32.value	1	1 ± 0.0001	
		1 ± 0.0001	
target_StrtStop_Per1_SSSlew_UlspS_f32.value	442.736908	442.736908 ± 0.1	

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





Test Step 2.37 (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_CurrentTir	me	
Rte_Inst_Ap_GMStrtStop StrtStop SSScale Uls M f32	target_Rte_Inst_Ap_GMStrtStop		
·	23.5202007		
	4		
StrStop_StOpModePrev_Cnt_M_enum	1		
	0		
StrtStop_StopModeTimer1_mS_M_u32	4068509440		
	3036118272		
k AlgEnable Cnt Igc	1		
	310.166992		
k Mode1AssistDD Uls f32	1		
k_Mode1AssistSlew_UlspS_f32	62.4688988		
	0		
k Mode1VehSpdTransThresh Kph f32	186.181107		
k_Mode2AssistDD_Uls_f32	0.483200014		
k_Mode2AssistSlew_UlspS_f32	175.960907		
k_Mode2VehSpdTransThresh_Kph_f32	23.9277		
k_NormalModeAssistSlew_UlspS_f32	325.622009		
k_NormalModeEngTransThresh_Rpm_f32	812.323303		
k NormalModeVehSpdTransThresh Kph f32	39.6867981		
k_StopMode1AssistSlew_UlspS_f32	379.285614		
k_StopMode1HwTrqTransThresh_HwNm_f32	0.612600029		
k_StopMode1HwVelTransThresh_HwDegpS_f32	191.062195		
k_StopMode1Timer_Sec_u16	4		
k_StopMode1VehSpdTransThres_Kph_f32	25.4437008		
k_StopMode2AssistSlew_UlspS_f32	192.132004		
k_StopMode2HwTrqTransThresh_HwNm_f32	6.77250004		
k_StopMode2HwVelTransThresh_HwDegpS_f32	170.802094		
k_StopMode2Timer_Sec_u16	4		
k_StopMode2VehSpdTransThresh_Kph_f32	116.519302		
k_StopModeAssistDD_Uls_f32	1		
target_DtrmnElapsedTime_mS_u32_ElapsedTime	177450		
target_GetSystemTime_mS_u32_CurrentTime	46000		
target_Rte_Inst_Ap_GMStrtStop.StrtStop_Per1_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_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	
3-2	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	Resu
StrtStop_SSScale_Uls_M_f32	1	1	
StrtStop_SSSlewRatePrev_UlspS_M_f32	325.622009	325.622009 ± 0.1	
StrtStop_StOpModePrevPrev_Cnt_M_enum	1	1	
	0	0	
	0	0	
StrtStop StopModeTimer1 mS M u32	4068509440	4068509440	
		2020440272	
StrtStop_StopModeTimer2_mS_M_u32	3036118272	3036118272	
StrtStop_StopModeTimer2_mS_M_u32 target_StrtStop_Per1_SSScale_UIs_f32.value target_StrtStop_Per1_SSSlew_UIspS_f32.value	3036118272 1 325.622009	1 ± 0.0001 325.622009 ± 0.1	

Test Step Call Trace				
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		
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	456.624908		
StrtStop_StOpModePrevPrev_Cnt_M_enum	4		
StrtStop_StOpModePrev_Cnt_M_enum	0		
StrtStop_StOpMode_Cnt_M_enum	0		
StrtStop StopModeTimer1 mS M u32	2063150592		
StrtStop_StopModeTimer2_mS_M_u32	3941354496		
k_AlgEnable_Cnt_lgc	1		
k_FltRspRampDnRt_UlspS_f32	290.191406		
k_Mode1AssistDD_Uls_f32	0.805599988		
k_Mode1AssistSlew_UlspS_f32	269.645386		
k_Mode1EngTransThresh_Rpm_f32	16383.75		
k_Mode1VehSpdTransThresh_Kph_f32	141.824707		
k_Mode2AssistDD_Uls_f32	1		
k_Mode2AssistSlew_UlspS_f32	212.026398		
k_Mode2VehSpdTransThresh_Kph_f32	162.128204		
k_NormalModeAssistSlew_UlspS_f32	173.081406		
k_NormalModeEngTransThresh_Rpm_f32	3864.00879		
k_NormalModeVehSpdTransThresh_Kph_f32	143.067596		
k_StopMode1AssistSlew_UlspS_f32	286.203888		
k_StopMode1HwTrqTransThresh_HwNm_f32	0.868399978		
k_StopMode1HwVelTransThresh_HwDegpS_f32	189.506195		
k_StopMode1Timer_Sec_u16	5		
k_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_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_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	5287.64844		
target_StrtStop_Per1_HandwheelVelocity_HwRadpS_f32.value	8.94789982		
target_StrtStop_Per1_HwTorque_HwNm_f32.value	-0.734499991		
target_StrtStop_Per1_SS12VFault_Cnt_lgc.value	0		
target_StrtStop_Per1_VehicleSpeed_Kph_f32.value	71.9789963		
Name	Actual Value	Expected Value	Resul
StrtStop_SSScale_Uls_M_f32	0.805599988	0.805599988	•
StrtStop_SSSlewRatePrev_UlspS_M_f32	269.645386	269.645386 ± 0.1	•
StrtStop_StOpModePrevPrev_Cnt_M_enum	0	0	•
StrtStop_StOpModePrev_Cnt_M_enum	1	1	•
StrtStop_StOpMode_Cnt_M_enum	1	1	•
StrtStop_StopModeTimer1_mS_M_u32	47350	47350	•
StrtStop_StopModeTimer2_mS_M_u32	3941354496	3941354496	•
target_StrtStop_Per1_SSScale_Uls_f32.value	0.805599988	0.805599988 ± 0.0001	•
5-2			
target_StrtStop_Per1_SSSlew_UlspS_f32.value	269.645386	269.645386 ± 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 2.39 (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)	Innut 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	335.920197		
StrtStop_SSSIewRatePrev_UlspS_M_f32 StrtStop_StOpModePrevPrev_Cnt_M_enum			
	0 4		
StrtStop_StOpModePrev_Cnt_M_enum StrtStop_StOpMode Cnt_M enum	0		
StrtStop_StopModeTimer1_mS_M_u32	2835421184		
StriStop_StopModeTimer2_mS_M_u32	482158080		
k AlgEnable Cnt lqc	1		
k_FitRspRampDnRt_UlspS_f32	426.566101		
k Mode1AssistDD UIs 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_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	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	0.5		
target_StrtStop_Per1_HandwheelVelocity_HwRadpS_f32.value	95.5662994		
target_StrtStop_Per1_HwTorque_HwNm_f32.value	6.15959978		
target_StrtStop_Per1_SS12VFault_Cnt_lgc.value	0		
target_StrtStop_Per1_VehicleSpeed_Kph_f32.value	150.262207		
Name	Actual Value	Expected Value	Resu
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_UIs_f32.value	1	1 ± 0.0001	
target_StrtStop_Per1_SSSlew_UlspS_f32.value	426.566101	426.566101 ± 0.1	
talyel 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 2.41 (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	me	
Rte_Inst_Ap_GMStrtStop	target_Rte_Inst_Ap_GMStrtStop		
StrtStop_SSScale_Uls_M_f32	0.321200013		
StrtStop_SSSlewRatePrev_UlspS_M_f32	33.0737		
StrtStop_StOpModePrevPrev_Cnt_M_enum	4 5		
StrtStop_StOpModePrev_Cnt_M_enum StrtStop_StOpMode Cnt_M enum	0		
StrtStop_StopModeTimer1_mS_M_u32	3405478656		
StriStop_StopModeTimer2_mS_M_u32	964645120		
k AlgEnable Cnt Igc	1		
k_FitRspRampDnRt_UlspS_f32	195.876999		
k Mode1AssistDD UIs 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_Mode2VehSpdTrapeThreeh_Kph_f32	50.7537003 64.0310974		
k_Mode2VehSpdTransThresh_Kph_f32			
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_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	• -	
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	1.24000001		
target_StrtStop_Per1_HandwheelVelocity_HwRadpS_f32.value	-56.2221985		
target_StrtStop_Per1_HwTorque_HwNm_f32.value	7.5328002		
target_StrtStop_Per1_SS12VFault_Cnt_lgc.value	0		
target_StrtStop_Per1_VehicleSpeed_Kph_f32.value	87.7533035		
Name	Actual Value	Expected Value	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	
talgot_ot.totop_i or i_oooodio_olo_toz.value	5 55 700010	5 50 1000 TO ± 0.000 T	
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)			
	Input Value		
	target_DtrmnElapsedTime_mS_u32_Elapse		
	target_GetSystemTime_mS_u32_CurrentTir	ne	
	target_Rte_Inst_Ap_GMStrtStop		
,	1		
	6.91960001		
	3		
	3		
	3193459200		
	4121219072		
	1		
	92.6615982		
	0.984899998		
	332.003906		
	1098.81396		
	10		
	0.521399975		
	404.335205		
	66.7957993		
	118.717903		
	14691.2588		
k NormalModeVehSpdTransThresh Kph f32	127.5504		
	293.569214		
	6.03830004		
	91.0945969		
	3		
- '	126.8162		
	463.302399		
	3.97110009		
	118.843903		
	1		
	102.535103		
	0.881900012		
	203200		
	52750		
	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_StrtStop_Per1_HwTorque_HwNm_f3		
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_f32		
target_Rte_Inst_Ap_GMStrtStop.StrtStop_Per1_SSState_State_enum	target_StrtStop_Per1_SSState_State_enum		
target_Rte_Inst_Ap_GMStrtStop_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	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	•
	118.717903	118.717903 ± 0.1	
	3	3	•
	0	0	
	0	0	
12 1 2 2 2	3193459200	3193459200	
	4121219072	4121219072	
	1	1 ± 0.0001	
	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) Name	Input Value		
	target_DtrmnElapsedTime_mS_u32_Elapse	dTime	
	target_GetSystemTime_mS_u32_CurrentTir		
	target Rte Inst Ap GMStrtStop		
	0.739199996		
	478.880707		
	5		
	4		
12 1 2 2	0		
StrtStop_StopModeTimer1_mS_M_u32	140365056		
StrtStop_StopModeTimer2_mS_M_u32	972051200		
k_AlgEnable_Cnt_lgc	1		
k_FltRspRampDnRt_UlspS_f32	377.574707		
k_Mode1AssistDD_Uls_f32	0.00109999999		
k_Mode1AssistSlew_UlspS_f32	78.9414978		
k_Mode1EngTransThresh_Rpm_f32	13686.0264		
k_Mode1VehSpdTransThresh_Kph_f32	13.1429005		
	0.595600009		
	377.155396		
k_Mode2VehSpdTransThresh_Kph_f32	104.323097		
	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_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	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	
	0	0	
12 1 2 2	140365056	140365056	
	972051200	972051200	•
	0.739199996	0.739199996 ± 0.0001	
target_StrtStop_Per1_SSSlew_UlspS_f32.value	377.574707	377.574707 ± 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 2.44 (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				
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)	Innut Value		
Name DtmpElancedTime mS v/29/ElancedTime\	Input Value	ndTimo	
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		
	0.998300016		
	223.291901		
·- ·	4		
	0		
StrtStop_StOpMode_Cnt_M_enum	1		
	3333600768		
StrtStop_StopModeTimer2_mS_M_u32	2672202752		
k_AlgEnable_Cnt_lgc	1		
_ , , _ , _	96.5988007		
k_Mode1AssistDD_Uls_f32	0.00870000012		
k_Mode1AssistSlew_UlspS_f32	360.833893		
k_Mode1EngTransThresh_Rpm_f32	16008.7813		
k_Mode1VehSpdTransThresh_Kph_f32	44.1456985		
k_Mode2AssistDD_Uls_f32	0.716099977		
k_Mode2AssistSlew_UlspS_f32	416.765015		
k_Mode2VehSpdTransThresh_Kph_f32	136.172104		
k_NormalModeAssistSlew_UlspS_f32	288.42981		
	0		
k NormalModeVehSpdTransThresh Kph f32	164.010803		
k_StopMode1AssistSlew_UlspS_f32	199.947693		
k_StopMode1HwTrqTransThresh_HwNm_f32	10		
k_StopMode1HwVelTransThresh_HwDegpS_f32	51.0102997		
	4		
	196.206406		
k_StopMode1VehSpdTransThres_Kph_f32			
k_StopMode2AssistSlew_UlspS_f32	353.108612		
k_StopMode2HwTrqTransThresh_HwNm_f32	0.48210001		
k_StopMode2HwVelTransThresh_HwDegpS_f32	141.301407		
	2		
k_StopMode2VehSpdTransThresh_Kph_f32	20.0790997		
k_StopModeAssistDD_Uls_f32	0.498199999		
target_DtrmnElapsedTime_mS_u32_ElapsedTime	223800		
target_GetSystemTime_mS_u32_CurrentTime	58150		
target_Rte_Inst_Ap_GMStrtStop.StrtStop_Per1_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	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_enum	target_StrtStop_Per1_SSState_State_enum	1	
target Rte Inst Ap GMStrtStop.StrtStop Per1 VehicleSpeed Kph f32	target_StrtStop_Per1_VehicleSpeed_Kph_f		
		0 <u>2</u>	
target StrtStop Per1 EngSpd Rpm f32.value			
	7904.46338		
target_StrtStop_Per1_HandwheelVelocity_HwRadpS_f32.value	-72.1147995		
target_StrtStop_Per1_HwTorque_HwNm_f32.value	-6.79379988		
target_StrtStop_Per1_SS12VFault_Cnt_lgc.value	0		
target_StrtStop_Per1_VehicleSpeed_Kph_f32.value	17.5387001		
Name	Actual Value	Expected Value	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	
	0	0	
	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	
	•	. 1 0.0001	
target_StrtStop_Per1_SSSlew_UlspS_f32.value	96.5988007	96.5988007 ± 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 2.47 (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	ïme	
Rte_Inst_Ap_GMStrtStop	target_Rte_Inst_Ap_GMStrtStop		
StrtStop_SSScale_Uls_M_f32	0.067400001		
StrtStop_SSSlewRatePrev_UlspS_M_f32	85.2277985		
StrtStop_StOpModePrevPrev_Cnt_M_enum	2		
StrtStop_StOpModePrev_Cnt_M_enum	3		
StrtStop_StOpMode_Cnt_M_enum	1		
StrtStop_StopModeTimer1_mS_M_u32	3319701760		
StrtStop_StopModeTimer2_mS_M_u32	3910862592		
k_AlgEnable_Cnt_lgc	1		
k_FltRspRampDnRt_UlspS_f32	71.4107971		
k_Mode1AssistDD_Uls_f32	1		
k_Mode1AssistSlew_UlspS_f32	440.644501		
k_Mode1EngTransThresh_Rpm_f32	13090.1436		
k_Mode1VehSpdTransThresh_Kph_f32	73.5644989		
k_Mode2AssistDD_Uls_f32	1		
k_Mode2AssistSlew_UlspS_f32	429.993896		
k_Mode2VehSpdTransThresh_Kph_f32	107.842796		
k_NormalModeAssistSlew_UlspS_f32	152.309601		
k_NormalModeEngTransThresh_Rpm_f32	16383.75		
k_NormalModeVehSpdTransThresh_Kph_f32	151.669296		
k_StopMode1AssistSlew_UlspS_f32	430.902313		
k_StopMode1HwTrqTransThresh_HwNm_f32	5.67670012		
k_StopMode1HwVelTransThresh_HwDegpS_f32	153.605804		
k_StopMode1Timer_Sec_u16	2		
k_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 228950		
target_DtrmnElapsedTime_mS_u32_ElapsedTime	59500		
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	HwPadas f22	
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 Igc	target_StrtStop_Per1_HwTorque_HwNm_f		
· · · · · · · · · · · · · · · · · · ·	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_SSSIew_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_APAState_State_enum.value	target_StrtStop_Per1_VehicleSpeed_Kph_ 2	102	
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		
		Fyma atod Volus	Daguit
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	Ž
StrtStop_StOpModePrev_Cnt_M_enum	1	1	
StrtStop_StopMode_Cnt_M_enum	1	1	-
StrtStop_StopModeTimer1_mS_M_u32	3319701760	3319701760	•
StrtStop_StopModeTimer2_mS_M_u32	3910862592	3910862592	~
townt Ottober Dard COOpela III- 600 v. 1			
target_StrtStop_Per1_SSScale_Uls_f32.value target_StrtStop_Per1_SSSlew_UlspS_f32.value	85.2277985	1 ± 0.0001 85.2277985 ± 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 2.48 (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	144.1371		
StrtStop_StOpModePrevPrev_Cnt_M_enum	4		
StrtStop_StOpModePrev_Cnt_M_enum	1		
StrtStop_StOpMode_Cnt_M_enum	1		
StrtStop_StopModeTimer1_mS_M_u32	2982600704		
StrtStop_StopModeTimer2_mS_M_u32	556379648		
k_AlgEnable_Cnt_lgc	1		
k_FltRspRampDnRt_UlspS_f32	240.251694		
k_Mode1AssistDD_Uls_f32	1		
k_Mode1AssistSlew_UlspS_f32	342.671692		
k_Mode1EngTransThresh_Rpm_f32	7872.41895		
k_Mode1VehSpdTransThresh_Kph_f32	154.742203		
k_Mode2AssistDD_Uls_f32	0.865100026		
k_Mode2AssistSlew_UlspS_f32	28.4204006		
k_Mode2VehSpdTransThresh_Kph_f32	150.9599		
k_NormalModeAssistSlew_UlspS_f32	470.267303		
k_NormalModeEngTransThresh_Rpm_f32	3000		
k_NormalModeVehSpdTransThresh_Kph_f32	190.202896		
k_StopMode1AssistSlew_UlspS_f32	33.3382988		
k_StopMode1HwTrqTransThresh_HwNm_f32	6.51189995		
k_StopMode1HwVelTransThresh_HwDegpS_f32	236.337006		
k_StopMode1Timer_Sec_u16	5		
k_StopMode1VehSpdTransThres_Kph_f32	88.4645004		
k_StopMode2AssistSlew_UlspS_f32	90.8102036		
k_StopMode2HwTrqTransThresh_HwNm_f32	5.38290024		
k_StopMode2HwVelTransThresh_HwDegpS_f32	188.410904		
k_StopMode2Timer_Sec_u16	2		
k_StopMode2VehSpdTransThresh_Kph_f32	78.9806976		
k_StopModeAssistDD_UIs_f32	1		
target_DtrmnElapsedTime_mS_u32_ElapsedTime	234100		
target_GetSystemTime_mS_u32_CurrentTime	60850		
target_Rte_Inst_Ap_GMStrtStop.StrtStop_Per1_APAState_State_enum	target_StrtStop_Per1_APAState_State_enu	П	
target_Rte_Inst_Ap_GMStrtStop.StrtStop_Per1_EngSpd_Rpm_f32	target_StrtStop_Per1_EngSpd_Rpm_f32	huDodae f22	
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_StrtStop_Per1_HwTorque_HwNm_f3	2	
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_f3		
target_StrtStop_Per1_APAState_State_enum.value	0	3 <u>2</u>	
target StrtStop Per1 EngSpd Rpm f32.value	14165.1816		
target_StrtStop_Per1_HandwheelVelocity_HwRadpS_f32.value	94.0382996		
target_StrtStop_Per1_Harlowneervelocity_HwRaupS_isz.value	-7.91239977		
target StrtStop Per1 SS12VFault Cnt Igc.value	0		
target_StrtStop_Per1_VehicleSpeed_Kph_f32.value	57.0004005		
Name	Actual Value	Expected Value	Resu
StrtStop_SSScale_Uls_M_f32	1	1	Nesu
StriStop_SSScale_Dis_in_i32 StrtStop_SSSlewRatePrev_UlspS_M_f32	470.267303	470.267303 ± 0.1	
StrtStop_SSSiewkatePrev_uispS_M_132 StrtStop_StOpModePrevPrev_Cnt_M_enum	1	470.267303 ± 0.1	
StrtStop_StOpModePrev_Cnt_M_enum	0	0	
StrtStop_StOpMode_Cnt_M_enum	0	0	
StrtStop_StopModeTimer1 mS M u32	2982600704	2982600704	
StrtStop_StopModeTimer1_mS_M_u32 StrtStop_StopModeTimer2_mS_M_u32	556379648	556379648	
	1	1 ± 0.0001	
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		
	•	adTimo	
	target_DtrmnElapsedTime_mS_u32_Elaps target_GetSystemTime_mS_u32_CurrentT		
	target_Rte_Inst_Ap_GMStrtStop	iiile	
	1		
	375.827209		
	3		
	1		
	1		
12 1 2 2 2	3788120832		
	1750710528		
	1		
	299.167389		
	0.663699985		
	306.131714		
	11172.0264		
	43.5938988		
	1		
	409.120087		
	84.4088974		
	382.421814		
	9750.66602		
	7.26259995		
k_StopMode1AssistSlew_UlspS_f32	183.599396		
k_StopMode1HwTrqTransThresh_HwNm_f32	8.89340019		
k_StopMode1HwVelTransThresh_HwDegpS_f32	118.653		
k_StopMode1Timer_Sec_u16	Ī		
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_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	
0 _ 1	3		
•	9644.53223		
	12.0577002		
* - '	-5.69399977		
3,5,5,4,4,4,5	0		
target_StrtStop_Per1_VehicleSpeed_Kph_f32.value	124.238197		
Name	Actual Value	Expected Value	Resul
	1	1	•
StrtStop_SSSlewRatePrev_UlspS_M_f32	299.167389	299.167389 ± 0.1	•
	3	3	•
	1	1	
StrtStop_StOpMode_Cnt_M_enum	1	1	•
Stristop_stopiwode_crit_in_endin		3788120832	
	3788120832	3700120032	\ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \
StrtStop_StopModeTimer1_mS_M_u32	1750710528	1750710528	•
StrtStop_StopModeTimer1_mS_M_u32 StrtStop_StopModeTimer2_mS_M_u32			

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) Name	Input Value		
	•	adTimo	
DtrmnElapsedTime_mS_u32(ElapsedTime) GetSystemTime_mS_u32(CurrentTime)	target_DtrmnElapsedTime_mS_u32_Elaps target_GetSystemTime_mS_u32_CurrentT		
Rte_Inst_Ap_GMStrtStop	target Rte Inst Ap GMStrtStop	iiile	
StrtStop SSScale Uls M f32	0.58920002		
StrtStop_SSSlewRatePrev_UlspS_M_f32	427.796295		
StrtStop_StOpModePrevPrev_Cnt_M_enum	0		
StrtStop_StOpModePrev_Cnt_M_enum	4		
StrtStop StOpMode Cnt M enum	1		
StrtStop_StopModeTimer1_mS_M_u32	1720474112		
StrtStop StopModeTimer2 mS M u32	884316160		
k AlgEnable Cnt lgc	1		
k_FltRspRampDnRt_UlspS_f32	398.398407		
k Mode1AssistDD Uls f32	0.914399981		
k_Mode1AssistSlew_UlspS_f32	123.570297		
k Mode1EngTransThresh Rpm f32	4540.35449		
k Mode1VehSpdTransThresh Kph f32	67.8223038		
k_Mode2AssistDD_Uls_f32	0.157000005		
k Mode2AssistSlew UlspS f32	455.527191		
k_Mode2VehSpdTransThresh_Kph_f32	83.0986023		
k_NormalModeAssistSlew_UlspS_f32	270.619507		
k_NormalModeEngTransThresh_Rpm_f32	15574.7441		
k NormalModeVehSpdTransThresh Kph f32	142.539001		
k_StopMode1AssistSlew_UlspS_f32	324.302399		
k_StopMode1HwTrqTransThresh_HwNm_f32	8.40019989		
k_StopMode1HwVelTransThresh_HwDegpS_f32	189.988998		
k StopMode1Timer Sec u16	0		
k_StopMode1VehSpdTransThres_Kph_f32	200		
k StopMode2AssistSlew UlspS f32	473.456512		
k_StopMode2HwTrqTransThresh_HwNm_f32	5.81529999		
k_StopMode2HwVelTransThresh_HwDegpS_f32	171.247406		
k_StopMode2Timer_Sec_u16	4		
k StopMode2VehSpdTransThresh Kph f32	50.5055008		
k_StopModeAssistDD_Uls_f32	0.492900014		
target_DtrmnElapsedTime_mS_u32_ElapsedTime	0		
target_GetSystemTime_mS_u32_CurrentTime	200		
target_Rte_Inst_Ap_GMStrtStop_StrtStop_Per1_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_enum	m	
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	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	•
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	

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	✓





StrtStop_SSScale_Uls_M_f32 0.842299998 0.842299998 StrtStop_SSSlewRatePrev_UlspS_M_f32 368.490204 368.490204 ± 0.1 StrtStop_StOpModePrevPrev_Cnt_M_enum 2 2 StrtStop_StOpModePrev_Cnt_M_enum 1 1 StrtStop_StOpMode_Cnt_M_enum 1 1 StrtStop_StopModeTimer1_mS_M_u32 3387012352 3387012352 StrtStop_StopModeTimer2_mS_M_u32 2581461760 2581461760 target_StrtStop_Per1_SSScale_Uls_f32.value 0.842299998 0.842299998 ± 0.0001	Test Step 2.51 (Repeat Count = 1)	Input Value		
SetSystem Time .m.S. Ju32(CurrentTime Rep. Inct. Apr. (SetSines) SetSines Se		•	dTime.	
Reg. Intern. App. O. AlberthStop Silling Silling Light L				
SIRSIDD_SSSCale_UB_M_22			ie	
SISSION SSSEWNREEPEV BURS M 122 SISSION SISSION SCHOOL M 1 SISSION SCHOOL M				
SIRSED_SIDMARDEPN-PIPEV_CM_M_Rum 1				
SIRSDep. SICHAMOREPROC. PML Morrum 1				
SISSINDS, DISOPADER, COT, M. P. RUMP SISSINDS, DISOPADER (FIRM) 1				
SIRSbp. StopMode Timert_mS_M_U32 **A JSERBADE CPL Type **A JSERBADE CPL Type **A JSERBADE CPL Type **A Mode Throatest DOUB_G22				
SISSINGS SOMMONDET ITMOSE AM JUS2				
K. AgEndebe Cett. Lgc				
K.				
K, Model AssistDD_Uis_p2				
Model Faginars Threeln, Pipm, 132				
Mode Personal Treen Rpm R2				
Mode/AssistSiew_UispS_132				
Mode2AssistSlew_UlspS_f32				
M. Mode 2 Assest Slaw UlspS, 1/2 124, Mode 2 Avid SpS 124 124, Mode 2 Avid SpS 124, Mode 2 Avi				
NormalModeEngTransThresh_Rpm_132				
K, NormalMode/ehg/TransThresh, Rpm, J32		72.811203		
NormalModeVerhSpGTransTrivesh Kph_f32		15494.3057		
K_StopMode1HwYTqTransThresh_HwDegpS_f32	k_NormalModeVehSpdTransThresh_Kph_f32	10.0300999		
K_Stophdode1HwVelTransThresh_HvDegps_f32	k_StopMode1AssistSlew_UlspS_f32	225.253098		
K_StopMode1Timer_Sec_u16	k_StopMode1HwTrqTransThresh_HwNm_f32	2.98799992		
K_StopMode1VehSpdTransThres_Kph_fi32	k_StopMode1HwVelTransThresh_HwDegpS_f32	240.692093		
k_StopMode2AssistSlew_UlspS_f32	k_StopMode1Timer_Sec_u16	0		
k. StopMode2HwTrqTransThresh_HwNm_f32 4.19150019 k. StopMode2HwVeTransThresh_HwDepS_f32 164,339203 k. StopMode2PwVeTransThresh_Kph_f32 40,7448006 k. StopModeAssistD_Ubl_r52 1 Larget_DrmEn_BepedTime_ms_u32_ClapsedTime 0 target_Be_Inst_BapedTime_ms_u32_CurrentTime 300 target_Re_Inst_Ap_GMStrstop_StrtStop_Per1_APAState_State_enum target_Re_Inst_Ap_GMStrstop_StrtStop_Per1_EngSpd_Rpm_f32 target_Re_Inst_Ap_GMStrtStop_StrtStop_Per1_HwTorque_HwNm_f32 target_StrtStop_Per1_HwTorque_HwNm_f32 target_Re_Inst_Ap_GMStrtStop_StrtStop_Per1_StSYE/auti_Crt_lgc target_StrtStop_Per1_HwTorque_HwNm_f32 target_Re_Inst_Ap_GMStrtStop_StrtStop_Per1_SSSize_UlspS_f32 target_StrtStop_Per1_SSSize_UlspS_f32 target_Re_Inst_Ap_GMStrtStop_StrtStop_Per1_SSSize_UlspS_f32 target_StrtStop_Per1_SSSize_UlspS_f32 target_Re_Inst_Ap_GMStrtStop_StrtStop_Per1_SSSize_UlspS_f32 target_StrtStop_Per1_SSSize_UlspS_f32 target_Re_Inst_Ap_GMStrtStop_StrtStop_Per1_SSSize_UlspS_f32 target_StrtStop_Per1_SSSize_UlspS_f32 target_Re_Inst_Ap_GMStrtStop_StrtStop_Per1_VehicleSpeed_Kph_f32 target_StrtStop_Per1_SSSize_UlspS_f32 target_StrtStop_Per1_HwTorque_HwNm_f32 target_StrtStop_Per1_VehicleSpeed_Kph_f32.value target_StrtStop_Per1_StrtStop_Per1_StrtStop_Per1_StrtStop_P	k_StopMode1VehSpdTransThres_Kph_f32	5		
k_StopMode2HwVelTransThresh_HwDegpS_f32 164.339203 k_StopMode2Timer_Sec_u16 1 k_StopMode2WebSpGTransThresh_Kph_f32 40.7448006 k_StopModeAssistDD_UIs_f32 1 Larget_DiffrineIlepsedTime_ms_u32_ElapsedTime 0 carget_RelsystemTime_ms_u32_CurrentTime 300 target_Rel_inst_Ap_GMStristop.Stristop_Per1_APAState_State_enum target_Stristop_Per1_APAState_State_enum target_Rel_inst_Ap_GMStristop.Stristop_Per1_HandwheelVelocity_HwRadpS_f32 target_Stristop_Per1_EngSpd_Rpm_f32 target_Rel_inst_Ap_GMStristop.Stristop_Per1_Horrorque_Hwhm_f32 target_Stristop_Per1_HandwheelVelocity_HwRadpS_f32 target_Stristop_Per1_HandwheelVelocity_HwRadpS_f32 target_Stristop_Per1_HandwheelVelocity_HwRadpS_f32 target_Stristop_Per1_EngSpd_Rpm_f32 target_Stristop_Per1_EngSpd_Rpm_f32 target_Stristop_Per1_HandwheelVelocity_HwRadpS_f32 target_Stristop_Per1_SSScale_Uis_f32 target_Stristop_Per1_SSScale_Uis_D32 target_Stristop_Per1_SSScale_Uis_G32 target_Stristop_Per1_SSScale_Uis_G52 target_Stristop_Per1_SSScale_Uis_G52 target_Stristop_Per1_SSScale_Uis_G532 target_Stristop_Per1_SSScale_Uis_G532 target_Stristop_Per1_EngSpd_Rpm_f32.value target_Stristop_Per1_SSScale_Uis_MG532 target_Stristop_Per1_EngSpd_Rpm_f32.value target_Stristop_Per1_SSTSCale_Uis_MG52 target_Stristop_Per1_SSTSCale_Uis_MG52 target_Stris	k_StopMode2AssistSlew_UlspS_f32	392.542908		
k_StopMode2VehSpdTransThresh_Kpl_f32 40,7448006 k_StopModeAssibID_Ulis_f32 40,7448006 k_StopModeAssibID_Ulis_f32 1 k_StopModeAssibID_Ulis_f32 1 target_DtmmElapsedTime_mS_u32_ElapsedTime 0 target_Rte_inst_Ap_GMStribop_BrttsTop_Pert_APAState_State_enum target_StriStop_Pert_APAState_State_enum target_Rte_inst_Ap_GMStribop.StriStop_Pert_HandwheelVelocity_HwRadpS_f32 target_StriStop_Pert_Indexty_HwRadpS_f32 target_Rte_inst_Ap_GMStribop.StriStop_Pert_HwTorque_HwNm_f32 target_StriStop_Pert_Indexty_HwRadpS_f32 target_Rte_inst_Ap_GMStriStop.StriStop_Pert_SSS2ele_Ulis_f32 target_StriStop_Pert_SSS2ele_Ulis_f32 target_Rte_inst_Ap_GMStriStop.StriStop_Pert_SSSele_Ulis_f32 target_StriStop_Pert_SSS2ele_Ulis_f32 target_Rte_inst_Ap_GMStriStop.StriStop_Pert_SSState_Ulis_f32 target_StriStop_Pert_SSS2ele_Ulis_f32 target_Rte_inst_Ap_GMStriStop.StriStop_Pert_SSState_Ulis_f32 target_StriStop_Pert_SSS2ele_Ulis_f32 target_Rte_inst_Ap_GMStriStop.StriStop_Pert_SSState_Ulis_f32 target_StriStop_Pert_SSS2ele_Ulis_f32 target_StriStop_Pert_ApAState_State_enum_value target_StriStop_Pert_SSS2ele_Ulis_f32 target_StriStop_Pert_ApAState_State_enum_value target_StriStop_Pert_ApAState_State_enum_value target_StriStop_Pert_ApAState_State_enum_value	k_StopMode2HwTrqTransThresh_HwNm_f32	4.19150019		
k_StopMode2vehSpdTransThresh_Kph_f32	k_StopMode2HwVelTransThresh_HwDegpS_f32	164.339203		
k_StopModeAssistDD_Uls_f32 target_DtrmnElapsedTime_mS_u32_CurrenTime target_GetSystemTime_mS_u32_CurrenTime target_Rel_Inst_Ap_GMStrtStop_StrtStop_Per1_APAState_State_enum target_Rel_Inst_Ap_GMStrtStop_StrtStop_Per1_BngSpd_Rpm_f32 target_Rel_Inst_Ap_GMStrtStop_StrtStop_Per1_HandwheelVelocity_HwRadpS_f32 target_Rel_Inst_Ap_GMStrtStop_StrtStop_Per1_HandwheelVelocity_HwRadpS_f32 target_Rel_Inst_Ap_GMStrtStop_StrtStop_Per1_HandwheelVelocity_HwRadpS_f32 target_Rel_Inst_Ap_GMStrtStop_StrtStop_Per1_HandwheelVelocity_HwRadpS_f32 target_Rel_Inst_Ap_GMStrtStop_StrtStop_Per1_SSScale_Uls_f32 target_Rel_Inst_Ap_GMStrtStop_StrtStop_Per1_SSScale_Uls_f32 target_Rel_Inst_Ap_GMStrtStop_StrtStop_Per1_SSScale_Uls_f32 target_Rel_Inst_Ap_GMStrtStop_StrtStop_Per1_SSScale_Uls_f32 target_Rel_Inst_Ap_GMStrtStop_StrtStop_Per1_SSScale_Uls_f32 target_Rel_Inst_Ap_GMStrtStop_StrtStop_Per1_SSScale_Uls_f32 target_Rel_Inst_Ap_GMStrtStop_StrtStop_Per1_SSScale_Uls_f32 target_Rel_Inst_Ap_GMStrtStop_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_SSScale_Uls_f32 target_StrtStop_Per1_SSScale_Uls_f32 target_StrtStop_Per1_StrtStop_Rel_f32 target_StrtStop_Per1_StrtStop_Rel_f32 target_StrtStop_Per1_StrtStop_Rel_f32 target_StrtStop_Per1_StrtStop_Rel_f32 target_StrtStop_Per1_StrtStop_Rel_f32 target_StrtStop_Per1_HandwheelVelocity_HwRadpS_f32.value target_StrtStop_Per1_HwRadpS_f32.value target_StrtStop_Per1_HwRadpS_f32.value target_StrtStop_Per1_HwRadpS_f32.value target_StrtStop_Per1_HwRadpS_f32.value target_StrtStop_Per1_HwRadpS_f32.value target_StrtStop_Per1_HwRadpS_f32.value target_StrtStop_Per1_HyRadpS_f32.value target_StrtStop_Per1_VehicleSpeed_Kph_f32.value target_StrtStop_Per1_VehicleSpeed_Kph_f32.value 50.5305599975 50.5405600000000000000000000000000000000	k_StopMode2Timer_Sec_u16	1		
target_DitmnElapsedTime_mS_u32_ElapsedTime	k_StopMode2VehSpdTransThresh_Kph_f32	40.7448006		
target_GetSystemTime_mS_u32_CurrentTime	k_StopModeAssistDD_UIs_f32	1		
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_HandwheelVelocity_HwRadpS_f32 target_Rte_Inst_Ap_GMStrtStop_StrtStop_Per1_Handvaps_f32 target_Rte_Inst_Ap_GMStrtStop_StrtStop_Per1_Handvaps_f32 target_Rte_Inst_Ap_GMStrtStop_StrtStop_Per1_SS12VFault_Cnt_Igc target_Rte_Inst_Ap_GMStrtStop_StrtStop_Per1_SSScale_Uls_f32 target_Rte_Inst_Ap_GMStrtStop_StrtStop_Per1_SSSew_UlspS_f32 target_Rte_Inst_Ap_GMStrtStop_StrtStop_Per1_SSSew_UlspS_f32 target_Rte_Inst_Ap_GMStrtStop_StrtStop_Per1_SSSew_UlspS_f32 target_Rte_Inst_Ap_GMStrtStop_StrtStop_Per1_SSState_state_enum target_Rte_Inst_Ap_GMStrtStop_StrtStop_Per1_SSState_State_enum target_Rte_Inst_Ap_GMStrtStop_StrtStop_Per1_VehicleSpeed_Kph_f32 target_StrtStop_Per1_HandwheelVelocity_HwRadpS_f32_value target_StrtStop_Per1_HandwheelVelocity_HwRadpS_f32_value target_StrtStop_Per1_HandwheelVelocity_HwRadpS_f32_value target_StrtStop_Per1_HandwheelVelocity_HwRadpS_f32_value target_StrtStop_Per1_HandwheelVelocity_HwRadpS_f32_value target_StrtStop_Per1_SSSew_UlspS_f32 target_StrtStop_Per1_SSSVate_State_enum value 0 500 500 500 500 500 500 500 500 500	target_DtrmnElapsedTime_mS_u32_ElapsedTime	0		
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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_SSStew_UlspS_f32 target_StrtStop_Per1_SSStew_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 32.1085014 target_StrtStop_Per1_HwTorque_HwNm_f32.value 0.593599975 target_StrtStop_Per1_VehicleSpeed_Kph_f32.value 0 target_StrtStop_Per1_VehicleSpeed_Kph_f32.value 171.314194 Name Actual Value Expected Value R StrtStop_SSScale_Uls_M_f32 0.842299998 0.842299998 0.842299998 StrtStop_SSScale_Uls_M_f32 368.490204 368.490204 ± 0.1 2 StrtStop_StopModePrev_Cnt_M_enum 1 1 1 StrtStop_StopModeTimer1_mS_M_u32 3387012352 3387012352 StrtStop_StopModeTimer1_mS_M_u32 2581461760 2581461760 StrtStop_Per1_SSScale_Uls_f32.value 0.842299998	$target_Rte_Inst_Ap_GMStrtStop_StrtStop_Per1_HandwheelVelocity_HwRadpS_f32000000000000000000000000000000000000$	target_StrtStop_Per1_HandwheelVelocity_H	wRadpS_f32	
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target_Rte_Inst_Ap_GMStrtStop.StrtStop_Per1_SSSlew_UlspS_f32 target_Rte_Inst_Ap_GMStrtStop.StrtStop_Per1_SSState_State_enum target_Rte_Inst_Ap_GMStrtStop.StrtStop_Per1_SSState_State_enum target_Rte_Inst_Ap_GMStrtStop.StrtStop_Per1_VehicleSpeed_Kph_f32 target_StrtStop_Per1_APAState_State_enum.value 0 target_StrtStop_Per1_APAState_State_enum.value 15203.1328 target_StrtStop_Per1_BngSpd_Rpm_f32.value target_StrtStop_Per1_HandwheelVelocity_HwRadpS_f32.value 22.1085014 target_StrtStop_Per1_HwTorque_HwNm_f32.value 0.593599975 target_StrtStop_Per1_SS12VFault_Cnt_igc.value 0 target_StrtStop_Per1_VehicleSpeed_Kph_f32.value 171.314194 Name Actual Value Expected Value R StrtStop_SSScale_Uls_M_f32 0.842299998 0.842299998 0.842299998 StrtStop_SSSlewRatePrev_UlspS_M_f32 388.490204 388.490204 388.490204 2 StrtStop_StOpModePrevPrev_Cnt_M_enum 1 StrtStop_StOpModePrevPrev_Cnt_M_enum 1 StrtStop_StOpModeCnt_M_enum 1 StrtStop_StopModeCnt_M_enum 1 StrtStop_StopModeTimer1_mS_M_u32 2581461760 2581461760 0.842299998 0.842299998 0.842299998 0.842299998 0.842299998 0.842299998 0.842299998 0.842299998 0.842299998 0.842299998 0.842299998 0.842299998 0.842299998 0.842299998 0.842299998 0.842299998 0.842299998 0.842299998 0.842299998 0.842299998 0.842299998 0.842299998 0.842299998 0.842299998 0.842299998 0.842299998 0.842299998 0.842299998 0.842299998 0.842299998 0.842299998 0.842299998 0.842299998 0.842299998 0.842299998 0.842299998 0.842299998 0.842299998 0.842299998 0.842299998 0.842299998 0.842299998 0.842299998 0.842299998 0.842299998 0.842299998 0.842299998 0.842299998 0.842299998 0.842299998 0.842299998 0.842299998 0.842299998 0.842299998 0.842299998 0.842299998 0.842299998 0.842299998 0.842299998 0.842299998 0.842299998 0.842299998 0.842299998 0.842299998 0.842299998 0.842299998 0.842299998 0.842299998 0.842299998 0.842299998 0.842299998 0.842299998 0.842299998 0.842299998 0.842299998 0.842299998 0.842299998 0.842299998 0.842299998 0.842299998 0.842299998 0.842299998 0.842299998 0.842299998 0.842299998 0.842299998 0.842299998 0.8422	target_Rte_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 15203.1328 target_StrtStop_Per1_HandwheelVelocity_HwRadpS_f32.value 32.1085014 target_StrtStop_Per1_HwTorque_HwNm_f32.value 0.593599975 target_StrtStop_Per1_St12VFault_Cnt_lgc.value 0 varget_StrtStop_Per1_VehicleSpeed_Kph_f32.value 171.314194 Name Actual Value Expected Value R StrtStop_SSScale_Uls_M_f32 368.490204 368.490204 ± 0.1 S StrtStop_SSOlpModePrevPrev_Cnt_M_enum 2 2 2 StrtStop_StOpModePrevPrev_Cnt_M_enum 1 1 1 StrtStop_StopMode_Cnt_M_enum 1 1 1 StrtStop_StopModeTimer1_mS_M_u32 3387012352 3387012352 3387012352 StrtStop_Per1_SSScale_Uls_f32.value 0.842299998 0.842299998 ± 0.0001	target_Rte_Inst_Ap_GMStrtStop_StrtStop_Per1_SSScale_Uls_f32	target_StrtStop_Per1_SSScale_Uls_f32		
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target_StrtStop_Per1_VehicleSpeed_Kph_f32.value 171.314194 Name Actual Value Expected Value R StrtStop_SSScale_Uls_M_f32 0.842299998 0.842299998 0.842299998 0.842299998 0.842299998 0.842299998 0.842299998 0.842299998 0.842299998 0.842299998 0.842299998 0.842299998 0.842299998 0.842299998 0.842299998 0.842299998 0.842299998 ± 0.0001 0.842299998 ± 0.0001 0.842299998 ± 0.0001 0.842299998 ± 0.0001 0.842299998 ± 0.0001 0.842299998 ± 0.0001 0.842299998 ± 0.0001 0.842299998 ± 0.0001 0.842299998 ± 0.0001 0.842299998 ± 0.0001 0.842299998 ± 0.0001 0.842299998 ± 0.0001 0.842299998 ± 0.0001 0.842299998 ± 0.0001 0.842299998 ± 0.0001 0.842299998 ± 0.0001 0.842299998 ± 0.0001 0.842299998 ± 0.0001 0.842299998 ± 0.0001 0.842299998 ± 0.0001 0.842299998 ± 0.0001 0.842299998 ± 0.0001 0.842299998 ± 0.0001 0.842299998 ± 0.0001 0.842299998 ± 0.0001 0.84229998 0.842299998 ± 0.0001 0.842299998 ± 0.0001 0.84229998 0.842299998 ± 0.0001 0.84229998 0.84229998 0.84229998 0.84229998 0.84229998 0.842299998	target_StrtStop_Per1_HwTorque_HwNm_f32.value	0.593599975		
Name Actual Value Expected Value R StrtStop_SSScale_Uls_M_f32 0.842299998 0.842299998 0.842299998 0.842299998 0.842299998 0.842299998 0.842299998 0.842299998 0.842299998 0.842299998 0.842299998 0.842299998 0.842299998 0.842299998 0.842299998 0.842299998 ± 0.0001 0.842299998 ± 0.0001 0.842299998 0.842299998 ± 0.0001 0.842299998 ± 0.0001 0.842299998 ± 0.0001 0.842299998 ± 0.0001 0.842299998 ± 0.0001 0.842299998 ± 0.0001 0.842299998 ± 0.0001 0.842299998 ± 0.0001 0.842299998 ± 0.0001 0.842299998 ± 0.0001 0.842299998 ± 0.0001 0.842299998 ± 0.0001 0.842299998 ± 0.0001 0.842299998 ± 0.0001 0.842299998 ± 0.0001 0.842299998 ± 0.0001 0.842299998 ± 0.0001 0.842299998 ± 0.0001 0.842299998 ± 0.0001 0.842299998 ± 0.0001 0.842299998 ± 0.0001 0.842299998 ± 0.0001 0.84229998 0.842299998 ± 0.0001 0.842299998 ± 0.0001 0.84229998 0.84229998 0.842299998 ± 0.0001 0.84229998 0.84229998 0.84229998 0.84229998 0.84229998 0.84229998 0.84229998 0.84229998 0.84229998 0.84229998 0.8	target_StrtStop_Per1_SS12VFault_Cnt_lgc.value	0		
StrtStop_SSScale_Uls_M_f32 0.842299998 0.842299998 StrtStop_SSSlewRatePrev_UlspS_M_f32 368.490204 368.490204 ± 0.1 StrtStop_StOpModePrevPrev_Cnt_M_enum 2 2 StrtStop_StOpModePrev_Cnt_M_enum 1 1 StrtStop_StOpMode_Cnt_M_enum 1 1 StrtStop_StopModeTimer1_mS_M_u32 3387012352 3387012352 StrtStop_StopModeTimer2_mS_M_u32 2581461760 2581461760 target_StrtStop_Per1_SSScale_Uls_f32.value 0.842299998 0.842299998 ± 0.0001	target_StrtStop_Per1_VehicleSpeed_Kph_f32.value	171.314194		
StrtStop_SSSlewRatePrev_UlspS_M_f32 368.490204 368.490204 ± 0.1 StrtStop_StOpModePrevPrev_Cnt_M_enum 2 2 StrtStop_StOpModePrev_Cnt_M_enum 1 1 StrtStop_StOpMode_Cnt_M_enum 1 1 StrtStop_StopModeTimer1_mS_M_u32 3387012352 3387012352 StrtStop_StopModeTimer2_mS_M_u32 2581461760 2581461760 target_StrtStop_Per1_SSScale_Uls_f32.value 0.842299998 0.842299998 ± 0.0001	Name	Actual Value	Expected Value	Resul
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_UIs_f32.value 0.842299998 0.842299998 ± 0.0001	StrtStop_SSScale_Uls_M_f32	0.842299998	0.842299998	
StrtStop_StOpModePrev_Cnt_M_enum 1 1 StrtStop_StOpMode_Cnt_M_enum 1 1 StrtStop_StopModeTimer1_mS_M_u32 3387012352 3387012352 StrtStop_StopModeTimer2_mS_M_u32 2581461760 2581461760 target_StrtStop_Per1_SSScale_Uls_f32.value 0.842299998 0.842299998 ± 0.0001	StrtStop_SSSlewRatePrev_UlspS_M_f32	368.490204	368.490204 ± 0.1	
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_UIs_f32.value 0.842299998 0.842299998 ± 0.0001	StrtStop_StOpModePrevPrev_Cnt_M_enum			
StrtStop_StopModeTimer1_mS_M_u32 3387012352 3387012352 StrtStop_StopModeTimer2_mS_M_u32 2581461760 2581461760 target_StrtStop_Per1_SSScale_UIs_f32.value 0.842299998 0.842299998 ± 0.0001	StrtStop_StOpModePrev_Cnt_M_enum	1	1	•
StrtStop_StopModeTimer2_mS_M_u32 2581461760 2581461760 target_StrtStop_Per1_SSScale_UIs_f32.value 0.842299998 0.842299998 ± 0.0001	StrtStop_StOpMode_Cnt_M_enum	1	1	
target_StrtStop_Per1_SSScale_UIs_f32.value 0.842299998 0.842299998 ± 0.0001	StrtStop_StopModeTimer1_mS_M_u32	3387012352	3387012352	•
	StrtStop_StopModeTimer2_mS_M_u32	2581461760	2581461760	•
1000 100001	target_StrtStop_Per1_SSScale_Uls_f32.value	0.842299998	0.842299998 ± 0.0001	•
Target_StrtStop_Per1_SSSiew_UispS_f32.value 368.490204 368.490204 ± 0.1	target_StrtStop_Per1_SSSlew_UlspS_f32.value	368.490204	368.490204 ± 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 2.52 (Repeat Count = 1) Name	Input Value		
	Input Value	adTime	
DtrmnElapsedTime_mS_u32(ElapsedTime)	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	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_Uls_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_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_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	m	
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	5423.62891		
target_StrtStop_Per1_HandwheelVelocity_HwRadpS_f32.value	-11.3360004		
target_StrtStop_Per1_HwTorque_HwNm_f32.value	-6.1553998		
target_StrtStop_Per1_SS12VFault_Cnt_lgc.value	0		
target_StrtStop_Per1_VehicleSpeed_Kph_f32.value	0.5		
Name	Actual Value	Expected Value	Resu
StrtStop SSScale Uls M f32	1	1	
StrtStop_SSSlewRatePrev_UlspS_M_f32	374.904602	374.904602 ± 0.1	
StrtStop_StOpModePrevPrev_Cnt_M_enum	2	2	
StrtStop_StOpModePrev_Cnt_M_enum	1	1	
StrtStop_StOpMode_Cnt_M_enum	1	1	
StrtStop StopModeTimer1 mS M u32	990749696	990749696	
StrtStop_StopModeTimer2_mS_M_u32	4222669312	4222669312	
target_StrtStop_Per1_SSScale_Uls_f32.value	1	1 ± 0.0001	
target_StrtStop_Per1_SSSlew_UlspS_f32.value	374.904602	374.904602 ± 0.1	

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 2.53 (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	target_Rte_Inst_Ap_GMStrtStop		
StrtStop_SSScale_Uls_M_f32	0.00779999979		
StrtStop_SSSlewRatePrev_UlspS_M_f32	434.91391		
StrtStop_StOpModePrevPrev_Cnt_M_enum	5		
StrtStop_StOpModePrev_Cnt_M_enum	1		
StrtStop_StopMode_Cnt_M_enum			
StrtStop_StopModeTimer1_mS_M_u32	3322271488		
StrtStop_StopModeTimer2_mS_M_u32	1381256448		
k_AlgEnable_Cnt_lgc	1		
k_FltRspRampDnRt_UlspS_f32	449.060303		
k_Mode1AssistDD_UIs_f32	0.930499971		
k_Mode1AssistSlew_UlspS_f32	12.0993004		
k_Mode1EngTransThresh_Rpm_f32	3953.05884		
k_Mode1VehSpdTransThresh_Kph_f32	193.946198		
k_Mode2AssistDD_UIs_f32	1		
k_Mode2AssistSlew_UlspS_f32	494.82309		
k_Mode2VehSpdTransThresh_Kph_f32	32.8107986		
k_NormalModeAssistSlew_UlspS_f32	154.384003		
k_NormalModeEngTransThresh_Rpm_f32	5540.24268		
k_NormalModeVehSpdTransThresh_Kph_f32	199.279999		
k_StopMode1AssistSlew_UlspS_f32	219.202606		
k_StopMode1HwTrqTransThresh_HwNm_f32	4.63780022		
k_StopMode1HwVelTransThresh_HwDegpS_f32	250		
k_StopMode1Timer_Sec_u16	1		
k_StopMode1VehSpdTransThres_Kph_f32	75.1856003		
k_StopMode2AssistSlew_UlspS_f32	393.072205		
k_StopMode2HwTrqTransThresh_HwNm_f32	6.16919994		
k_StopMode2HwVelTransThresh_HwDegpS_f32	30.1289997		
k_StopMode2Timer_Sec_u16	4		
k_StopMode2VehSpdTransThresh_Kph_f32	103.8918		
k_StopModeAssistDD_UIs_f32	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_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 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_enur	n	
target Rte Inst Ap GMStrtStop.StrtStop Per1 VehicleSpeed Kph f32	target_StrtStop_Per1_VehicleSpeed_Kph_		
target_StrtStop_Per1_APAState_State_enum.value	0	.02	
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		
	0		
target_StrtStop_Per1_SS12VFault_Cnt_lgc.value target_StrtStop_Per1_VehicleSpeed_Kph_f32.value	1.5		
		l=	1-
Name	Actual Value	Expected Value	Resul
StrtStop_SSScale_Uls_M_f32	0.00779999979	0.00779999979	
StrtStop_SSSlewRatePrev_UlspS_M_f32	1	1 ± 0.1	•
StrtStop_StOpModePrevPrev_Cnt_M_enum	5	5	•
StrtStop_StOpModePrev_Cnt_M_enum	1	1	•
StrtStop_StOpMode_Cnt_M_enum	1	1	•
StrtStop_StopModeTimer1_mS_M_u32	3322271488	3322271488	•
StrtStop_StopModeTimer2_mS_M_u32	1381256448	1381256448	
target_StrtStop_Per1_SSScale_Uls_f32.value	0.00779999979	0.00779999979 ± 0.0001	•
target_StrtStop_Per1_SSSlew_UlspS_f32.value	1	1 ± 0.1	

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 2.54 (Repeat Count = 1)	Innut Value		
Name	Input Value	a a d Time a	
DtrmnElapsedTime_mS_u32(ElapsedTime)	target_DtrmnElapsedTime_mS_u32_Elaps		
GetSystemTime_mS_u32(CurrentTime)	target_GetSystemTime_mS_u32_Current	Time	
Rte_Inst_Ap_GMStrtStop	target_Rte_Inst_Ap_GMStrtStop		
StrtStop_SSScale_Uls_M_f32	1		
StrtStop_SSSlewRatePrev_UlspS_M_f32	430.180206		
·- ·	5		
	5		
StrtStop_StOpMode_Cnt_M_enum	1		
StrtStop_StopModeTimer1_mS_M_u32	2041134592		
StrtStop_StopModeTimer2_mS_M_u32	1242946560		
k_AlgEnable_Cnt_lgc	1		
_ , , _ , _	415.990112		
	0.377999991		
k_Mode1AssistSlew_UlspS_f32	442.76651		
	7176.38525		
k_Mode1VehSpdTransThresh_Kph_f32	133.6436		
k_Mode2AssistDD_Uls_f32	1		
k_Mode2AssistSlew_UlspS_f32	318.384796		
k_Mode2VehSpdTransThresh_Kph_f32	13.9761		
k_NormalModeAssistSlew_UlspS_f32	411.398407		
k_NormalModeEngTransThresh_Rpm_f32	1920.81055		
k_NormalModeVehSpdTransThresh_Kph_f32	54.7070007		
k_StopMode1AssistSlew_UlspS_f32	80.1610031		
k_StopMode1HwTrqTransThresh_HwNm_f32	0.877799988		
k_StopMode1HwVelTransThresh_HwDegpS_f32	10		
k_StopMode1Timer_Sec_u16	0		
k StopMode1VehSpdTransThres Kph f32	109.1492		
k_StopMode2AssistSlew_UlspS_f32	116.072601		
k_StopMode2HwTrqTransThresh_HwNm_f32	1.29610002		
k StopMode2HwVelTransThresh HwDegpS f32	246.935501		
	2		
k StopMode2VehSpdTransThresh Kph f32	56.9149017		
k_StopModeAssistDD_UIs_f32	0.913900018		
	3		
target_GetSystemTime_mS_u32_CurrentTime	68950		
target_Rte_Inst_Ap_GMStrtStop.StrtStop_Per1_APAState_State_enum	target_StrtStop_Per1_APAState_State_er	um	
target_Rte_Inst_Ap_GMStrtStop.StrtStop_Per1_EngSpd_Rpm_f32		ium	
	target_StrtStop_Per1_EngSpd_Rpm_f32 target_StrtStop_Per1_HandwheelVelocity	HwPadas f22	
target_Rte_Inst_Ap_GMStrtStop.StrtStop_Per1_HwTorque_HwNm_f32	target_StrtStop_Per1_HwTorque_HwNm_		
target_Rte_Inst_Ap_GMStrtStop_StrtStop_Per1_SS12VFault_Cnt_Igc	target_StrtStop_Per1_SS12VFault_Cnt_lg	С	
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_enu		
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	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	
	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	
	1	1 ± 0.0001	
target_StrtStop_Per1_SSScale_Uls_f32.value 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	Resu
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) 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	0.186800003		
StrtStop_SSSlewRatePrev_UlspS_M_f32	298.473114		
StrtStop_StOpModePrevPrev_Cnt_M_enum	5		
StrtStop_StOpModePrev_Cnt_M_enum	2		
StrtStop_StOpMode_Cnt_M_enum	1		
StrtStop_StopModeTimer1_mS_M_u32	598845440		
StrtStop_StopModeTimer2_mS_M_u32	1471362560		
k_AlgEnable_Cnt_lgc	1		
k_FltRspRampDnRt_UlspS_f32	303.569489		
k_Mode1AssistDD_Uls_f32	0.472499996		
k_Mode1AssistSlew_UlspS_f32	33.7519989		
k_Mode1EngTransThresh_Rpm_f32	10512.6104		
k_Mode1VehSpdTransThresh_Kph_f32	94.392601		
k_Mode2AssistDD_Uls_f32	1		
k_Mode2AssistSlew_UlspS_f32	76.805397		
k_Mode2VehSpdTransThresh_Kph_f32	96.4353027		
k_NormalModeAssistSlew_UlspS_f32	108.036797		
k_NormalModeEngTransThresh_Rpm_f32	1426.18835		
k_NormalModeVehSpdTransThresh_Kph_f32	185.755005		
k_StopMode1AssistSlew_UlspS_f32	487.796997		
k_StopMode1HwTrqTransThresh_HwNm_f32	10		
k_StopMode1HwVelTransThresh_HwDegpS_f32	225.630005		
k_StopMode1Timer_Sec_u16	2		
k_StopMode1VehSpdTransThres_Kph_f32	29.8455009		
k_StopMode2AssistSlew_UlspS_f32	452.691498		
k_StopMode2HwTrqTransThresh_HwNm_f32	4.16900015		
k_StopMode2HwVelTransThresh_HwDegpS_f32	83.3983994		
k_StopMode2Timer_Sec_u16	4		
k_StopMode2VehSpdTransThresh_Kph_f32	44.0306015		
k_StopModeAssistDD_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_enui	п	
target_Rte_Inst_Ap_GMStrtStop.StrtStop_Per1_EngSpd_Rpm_f32	target_StrtStop_Per1_EngSpd_Rpm_f32	hD-d-0 f00	
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_Rte_Inst_Ap_GMStrtStop.StrtStop_Per1_SSSlew_UlspS_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_Rte_Inst_Ap_GMStrtStop.StrtStop_Per1_VehicleSpeed_Kph_f32	target_StrtStop_Per1_VehicleSpeed_Kph_f3	32	
target_StrtStop_Per1_APAState_State_enum.value	0	5 <u>2</u>	
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		
		Expected Value	Resul
Name Statistics SSScale IIIs M #22	Actual Value	•	Resu
StrtStop_SSScale_Uls_M_f32 StrtStop_SSSlowPartoProv_UlspS_M_f32	0.646099985	0.646099985	
StrtStop_SSSlewRatePrev_UlspS_M_f32 StrtStop_StOpModePrevPrev_Cnt_M_enum	5	1 ± 0.1	
StrtStop_StOpModePrevPrev_Cnt_M_enum	2	2	
StrtStop_StOpMode_Crt_M_enum	2		
StrtStop_StopMode_Cnt_M_enum StrtStop_StopModeTimer1_mS_M_u22		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	

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		
	Input Value	adTime	
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	05.0212024		
StrtStop_SSSlewRatePrev_UlspS_M_f32	95.0313034		
StrtStop_StOpModePrevPrev_Cnt_M_enum	3		
StrtStop_StOpModePrev_Cnt_M_enum	3		
StrtStop_StOpMode_Cnt_M_enum			
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_UIs_f32	1		
k_Mode1AssistSlew_UlspS_f32	172.636093		
k_Mode1EngTransThresh_Rpm_f32	7035.62598		
k_Mode1VehSpdTransThresh_Kph_f32	66.1391983		
k_Mode2AssistDD_Uls_f32	0.1373		
k_Mode2AssistSlew_UlspS_f32	240.729797		
k_Mode2VehSpdTransThresh_Kph_f32	36.8736992		
k_NormalModeAssistSlew_UlspS_f32	41.0102005		
k_NormalModeEngTransThresh_Rpm_f32	4623.53271		
k_NormalModeVehSpdTransThresh_Kph_f32	109.427002		
k_StopMode1AssistSlew_UlspS_f32	152.940201		
k_StopMode1HwTrqTransThresh_HwNm_f32	1		
k_StopMode1HwVelTransThresh_HwDegpS_f32	248		
k_StopMode1Timer_Sec_u16	3		
k_StopMode1VehSpdTransThres_Kph_f32	164.114304		
k_StopMode2AssistSlew_UlspS_f32	357.433899		
k_StopMode2HwTrqTransThresh_HwNm_f32	6.61520004		
k_StopMode2HwVelTransThresh_HwDegpS_f32	235.928604		
k_StopMode2Timer_Sec_u16	5		
k_StopMode2VehSpdTransThresh_Kph_f32	186.554993		
k_StopModeAssistDD_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_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	· -	
target Rte Inst Ap GMStrtStop.StrtStop Per1 SS12VFault Cnt Igc	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 SSSIew 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_		
target_StrtStop_Per1_APAState_State_enum.value	0	102	
target StrtStop Per1 EngSpd Rpm f32.value	66.2399979		
	0		
target_StrtStop_Per1_HandwheelVelocity_HwRadpS_f32.value			
target_StrtStop_Per1_HwTorque_HwNm_f32.value	-3.9368999		
target_StrtStop_Per1_SS12VFault_Cnt_lgc.value	0		
target_StrtStop_Per1_VehicleSpeed_Kph_f32.value	6.23999977		
Name	Actual Value	Expected Value	Resul
StrtStop_SSScale_Uls_M_f32	1	1	•
StrtStop_SSSlewRatePrev_UlspS_M_f32	444.044098	444.044098 ± 0.1	•
StrtStop_StOpModePrevPrev_Cnt_M_enum	3	3	
StrtStop_StOpModePrev_Cnt_M_enum	1	1	•
StrtStop_StOpMode_Cnt_M_enum	1	1	
StrtStop_StopModeTimer1_mS_M_u32	2435435264	2435435264	•
StrtStop_StopModeTimer2_mS_M_u32	3034390784	3034390784	
target_StrtStop_Per1_SSScale_Uls_f32.value	1	1 ± 0.0001	•
target_StrtStop_Per1_SSSlew_UlspS_f32.value	444.044098	444.044098 ± 0.1	
target_otrtotop_r cr1_ooolew_olapo_laz.value			

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 2.58 (Repeat Count = 1)	Input Value			
Name	Input Value	. 		
DtrmnElapsedTime_mS_u32(ElapsedTime)	target_DtrmnElapsedTime_mS_u32_Elapse			
GetSystemTime_mS_u32(CurrentTime)	target_GetSystemTime_mS_u32_CurrentTin	пе		
Rte_Inst_Ap_GMStrtStop	target_Rte_Inst_Ap_GMStrtStop 0.0882999972			
StrtStop_SSScale_Uls_M_f32				
StrtStop_SSSIewRatePrev_UlspS_M_f32 StrtStop_StOpModePrevPrev_Cnt_M_enum	5	473.097412		
	3			
StrtStop_StOpModePrev_Cnt_M_enum StrtStop_StOpMode_Cnt_M_enum	1			
StrtStop_StopModeTimer1_mS_M_u32	3373097472			
StrtStop_StopModeTimer2_mS_M_u32	4274741248			
k AlgEnable Cnt Igc	1			
k_FltRspRampDnRt_UlspS_f32	211.528			
k Mode1AssistDD UIs f32	1			
k_Mode1AssistSlew_UlspS_f32	448.971008			
k Mode1EngTransThresh Rpm f32	13789.4102			
k Mode1VehSpdTransThresh Kph f32	174.196503			
k_Mode2AssistDD_Uls_f32	1			
k_Mode2AssistSlew_UlspS_f32	279.053406			
k_Mode2VehSpdTransThresh_Kph_f32	155.530899			
k_NormalModeAssistSlew_UlspS_f32	319.713501			
k_NormalModeEngTransThresh_Rpm_f32	5586.98242			
k_NormalModeVehSpdTransThresh_Kph_f32	72.0836029			
k_StopMode1AssistSlew_UlspS_f32	174.879501			
k_StopMode1HwTrqTransThresh_HwNm_f32	6.3277998			
k_StopMode1HwVelTransThresh_HwDegpS_f32	25.4627991			
k_StopMode1Timer_Sec_u16	1			
k_StopMode1VehSpdTransThres_Kph_f32	91.895401			
k_StopMode2AssistSlew_UlspS_f32	140.441895			
k_StopMode2HwTrqTransThresh_HwNm_f32	6.03009987			
k_StopMode2HwVelTransThresh_HwDegpS_f32	15.6574001			
k_StopMode2Timer_Sec_u16	0			
k_StopMode2VehSpdTransThresh_Kph_f32	55.7095985			
k_StopModeAssistDD_Uls_f32	0			
target_DtrmnElapsedTime_mS_u32_ElapsedTime	285600			
target_GetSystemTime_mS_u32_CurrentTime	74350			
target_Rte_Inst_Ap_GMStrtStop.StrtStop_Per1_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	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	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		
Continue Chan Mada Timero and M. 199	4274741248	4274741248	- •	
StrtStop_StopModeTimer2_mS_M_u32				
target_StrtStop_Per1_SSScale_Uls_f32.value target_StrtStop_Per1_SSSlew_UlspS_f32.value	0 140.441895	0 ± 0.0001 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	•





Test Step 2.59 (Repeat Count = 1) Name	Input Value		
	target_DtrmnElapsedTime_mS_u32_Elapse	dTime	
	target_GetSystemTime_mS_u32_CurrentTir		
	target_Rte_Inst_Ap_GMStrtStop	ne -	
	1		
	129.595993		
	2		
	4		
	1		
	3497958656		
	2898043648		
	1		
	436.272491		
_ , , _ , _	0.107900001		
	389.873901		
	7631.70166		
	119.3209		
k_Mode2AssistDD_Uls_f32	0.690500021		
	420.861206		
k_Mode2VehSpdTransThresh_Kph_f32	17.3297005		
	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_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	
	0		
target_StrtStop_Per1_EngSpd_Rpm_f32.value	0		
0 = 1 = 2	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_SSSlewRatePrev_UlspS_M_f32	436.272491	436.272491 ± 0.1	•
StrtStop_StOpModePrevPrev_Cnt_M_enum	4	4	•
StrtStop_StOpModePrev_Cnt_M_enum	2	2	•
StrtStop_StOpMode_Cnt_M_enum	2	2	•
StrtStop_StopModeTimer1_mS_M_u32	3497958656	3497958656	•
StrtStop_StopModeTimer2_mS_M_u32	2898043648	2898043648	•
target_StrtStop_Per1_SSScale_Uls_f32.value	1	1 ± 0.0001	•
target_StrtStop_Per1_SSSlew_UlspS_f32.value	436.272491	436.272491 ± 0.1	•

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				V
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 tespe_	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				
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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 364 835893 364 835893 364 835893 364 835893 364 835893 364 835893 364 835893 364 835893 364 835893 364 835893 364 835893 364 835893 364 835893 364 835893 364 835893 364 835893 364 835893 364 835893 364 835893 364 835893 364 835893 364 835893 364 835893 364 835893 364 835893 364 835893 364 835893 364 835893 364 835893 364 835893 364 835893 364 835893 364 835893 364 835893 364 835893 364 835893 364 835893 364 835893 364 835893 364 835893 364 835893 364 835893 364 835893 364 835893 364 835893 364 835893 364 835893 364 835893 364 835893 364 835893 364 835893 364 835893 364 835893 364 835893 364 835893 364 835893 364 835893 364 835893 364 835893 364 835893 364 835893 364 835893 364 835893 364 835893 364 835893 364 835893 364 835893 364 835893 364 835893 364 835893 364 835893 364 835893 364 835893 364 835893 364 835893 364 835893 364 835893 364 835893 364 835893 364 835893 364 835893 364 835893 364 835893 364 835893 364 835893 364 835893 364 835893 364 835893 364 835893 364 835893 364 835893 364 835893 364 835893 364 835893 364 835893 364 835893 364 835893 364 835893 364 835893 364 835893 364 835893 364 835893 364 835893 364 835893 364 835893 364 835893 364 835893 364 835893 364 835893 364 835893 364 835893 364 835893 364 835893 364 835893 364 835893 364 835893 364 835893 364 835893 364 835893 364 835893 364 835893 364 835893 364 835893 364 835893 364 835893 364 835893 364 835893 364 835893 364 835893 364 835893 364 835893 364 835893 364 835893 364 835893 364 835893 364 835893 364 835893 364 835893 364 835893 364 835893 364 835893 364 835893 364 835893 364 835893 364 835893 364 835893 364 835893 364 835893 364 835893 364 835893 364 835893 364 835893 364 835893 364 835893				
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Mode				
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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 152 0.088399988 target_DrimnellagsedTime_m_S_u32_ElapsedTime 301050 target_Rie_Inst_Ap_GMSiristop_StriStop_Perl_APAState_State_enum target_StriStop_Perl_APAState_State_enum target_Rie_Inst_Ap_GMSiristop_StriStop_Perl_EngSpg_Rpm_f32 target_StriStop_Perl_APAState_State_enum target_Rie_Inst_Ap_GMSiristop_StriStop_Perl_APAState_StriStop_Perl_StriStop_Perl_StriStop_Perl_StriStop_Perl_StriStop_Perl_StriStop_Perl_StriStop_Perl_StriStop_StriStop_StriStop_Perl_StriStop_Perl_StriStop_Perl_StriStop_Perl_StriStop_Perl_StriStop_StriStriStop_StriStop_StriStop_StriStop_StriStop_StriStriStop_StriStriStop_StriStop_StriStriStop_StriStriStop_StriStriStop_StriStriStop_StriStriStop_StriStriStop_StriStriStop_StriStriStop_StriStriStop_StriStriStop_StriStriStop_StriStriStop_StriStriStop_StriStriStop_StriStriStriStriStriStriStriStriStriStri	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		
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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		
k_StopMode2Timer_Sec_u16 k_StopMode2VelSpdTransThresh_Kph_f32 k_StopMode2VelSpdTransThresh_Kph_f32 target_DtmnElapsedTime mS_u32_ElapsedTime 301050 target_GetSystemTime_mS_u32_ElapsedTime 301050 target_GetSystemTime_mS_u32_CurrentTime 78400 target_Re_Inst_Ap_GMStrtStop_StrtStop_Per1_APAState_State_enum target_Rtl_Inst_Ap_GMStrtStop_StrtStop_Per1_BngSpd_Rpm_f32 target_Rtl_Inst_Ap_GMStrtStop_StrtStop_Per1_HandwheelVelocity_HwRadpS_f32 target_Rtl_Inst_Ap_GMStrtStop_StrtStop_Per1_HandwheelVelocity_HwRadpS_f32 target_Rtl_Inst_Ap_GMStrtStop_StrtStop_Per1_HandwheelVelocity_HwRadpS_f32 target_Rtl_Inst_Ap_GMStrtStop_StrtStop_Per1_SST2VFault_Cnt_lgc target_Rtl_Inst_Ap_GMStrtStop_StrtStop_Per1_SST2VFault_Cnt_lgc target_Rtl_Inst_Ap_GMStrtStop_StrtStop_Per1_SST2VFault_Cnt_lgc target_Rtl_Inst_Ap_GMStrtStop_StrtStop_Per1_SSState_u1s_f32 target_Rtl_Inst_Ap_GMStrtStop_StrtStop_Per1_SSState_u1s_f32 target_Rtl_Inst_Ap_GMStrtStop_StrtStop_Per1_SSState_u1s_f32 target_Rtl_Inst_Ap_GMStrtStop_StrtStop_Per1_SSState_u1s_f32 target_Rtl_Inst_Ap_GMStrtStop_StrtStop_Per1_SSState_u1s_f32 target_Rtl_Inst_Ap_GMStrtStop_StrtStop_Per1_SSState_u1s_f32 target_Rtl_Inst_Ap_GMStrtStop_StrtStop_Per1_SSState_u1s_f32 target_Rtl_Inst_Ap_GMStrtStop_StrtStop_Per1_SSState_u1s_f32 target_StrtStop_Per1_SSState_state_enum target_Rtl_Inst_Ap_GMStrtStop_StrtStop_Per1_SSState_u1s_f32 target_StrtStop_Per1_BryStrtStop_Per1_StrtStop_Per1_StrtStop_Per1_SSState_u1s_f32 target_StrtStop_Per1_HwTorque_HwNm_f32_value 0 target_StrtStop_Per1_HwTorque_HwNm_f32_value 6.28539991 target_StrtStop_Per1_HwTorque_HwNm_f32_value 6.28539991 target_StrtStop_Per1_HwTorque_HwNm_f32_value 6.3967396 Name Actual Value Expected Value StrtStop_Stop_Mode_FrevPrev_Cnt_Menum 1 StrtStop_StopModePrevPrev_Cnt_Menum 3 3 3 StrtStop_StopModeTimer1_mS_M_u32 3217686272 StrtStop_StopModeTimer1_mS_M_u32 5217686272 StrtStop_StopModeTimer1_mS_M_u32 5217686272 StrtStop_StopModeTimer1_mS_M_u32 5217686272 StrtStop_StopModeTimer1_mS_M_u32	de2HwTrqTransThresh_HwNm_f32	8.46140003		
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		
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_SS12VFault_Cnt_Igc target_StrtStop_Per1_HwTorque_HwNm_f32 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_SSScale_UlspS_f32 target_StrtStop_Per1_SSScale_Uls_f32 target_Rte_Inst_Ap_GMStrtStop.StrtStop_Per1_SSState_State_enum target_StrtStop_Per1_SSState_State_enum target_StrtStop_Per1_Ap_GMStrtStop.StrtStop_Per1_VehicleSpeed_Kph_f32 target_StrtStop_Per1_VehicleSpeed_Kph_f32 target_StrtStop_Per1_HandwheelVelocity_HwRadpS_f32.value 0 target_StrtStop_Per1_HandwheelVelocity_HwRadpS_f32.value 57.6822014 target_StrtStop_Per1_Horroque_HwNm_f32.value 63.9673996 Marget_StrtStop_Per1_SS12VFault_Cnt_Igc.value 0 target_StrtStop_Per1_VehicleSpeed_Kph_f32 453.032104 453.032104 ± 0.1 StrtStop_SScale_Uls_M_f32 453.032104 453.032104 ± 0.1 StrtStop_StopModePrev_Cnt_M_enum 1	SystemTime_mS_u32_CurrentTime	78400		
target_Rte_inst_Ap_GMStrtStop_StrtStop_Per1_HandwheelVelocity_HwRadpS_f32 target_StrtStop_Per1_HandwheelVelocity_HwRadpS_f32 target_Rte_inst_Ap_GMStrtStop_StrtStop_Per1_Str2VFault_Ort_lgc target_StrtStop_Per1_Str2VFault_Crt_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_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 57.6822014 target_StrtStop_Per1_HwTorque_HwNm_f32.value 62.28539991 target_StrtStop_Per1_VehicleSpeed_Kph_f32.value 63.9673996 Name Actual Value Expected Value StrtStop_SScale_Uls_M_f32 453.032104 453.032104 ± 0.1 StrtStop_SScale_Uls_M_f32 453.032104 453.032104 ± 0.1 StrtStop_StOpModePrevPcv_Cnt_M_enum 1 1 StrtStop_StOpModePrevPcv_Cnt_M_enum 3 3 StrtStop_StopModeTimer1_mS_M_u32 3	_Inst_Ap_GMStrtStop.StrtStop_Per1_APAState_State_enum	target_StrtStop_Per1_APAState_State_	_enum	
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_SSDewRatePrev_UlspS_M_f32 453.032104 453.032104 ± 0.1 StrtStop_StOpModePrevPrev_Cnt_M_enum 3 3 StrtStop_StOpModePrev_Cnt_M_enum 3 3 StrtStop_StopModeTimer1_mS_M_u32 3217686272 3217686272	_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_Timer1_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) 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	300.747894		
StrtStop_StOpModePrevPrev_Cnt_M_enum	0		
StrtStop_StOpModePrev_Cnt_M_enum	0		
StrtStop_StOpMode_Cnt_M_enum	2		
StrtStop_StopModeTimer1_mS_M_u32	788317696		
StrtStop_StopModeTimer2_mS_M_u32	2172265472		
k_AlgEnable_Cnt_lgc	1		
k_FltRspRampDnRt_UlspS_f32	436.60379		
k_Mode1AssistDD_Uls_f32	1		
k_Mode1AssistSlew_UlspS_f32	468.728607		
k_Mode1EngTransThresh_Rpm_f32	11003.8184		
k_Mode1VehSpdTransThresh_Kph_f32	5.27600002		
k_Mode2AssistDD_Uls_f32	1		
k_Mode2AssistSlew_UlspS_f32	93.2279968		
k_Mode2VehSpdTransThresh_Kph_f32	200		
k_NormalModeAssistSlew_UlspS_f32	2.19899988		
k_NormalModeEngTransThresh_Rpm_f32	0		
k_NormalModeVehSpdTransThresh_Kph_f32	72.0005035		
k_StopMode1AssistSlew_UlspS_f32	426.031799		
k_StopMode1HwTrqTransThresh_HwNm_f32	6.71479988		
k_StopMode1HwVelTransThresh_HwDegpS_f32	206.830399		
k_StopMode1Timer_Sec_u16	4		
k_StopMode1VehSpdTransThres_Kph_f32	47.3549995		
k_StopMode2AssistSlew_UlspS_f32	164.071701		
k_StopMode2HwTrqTransThresh_HwNm_f32	8.32530022		
k_StopMode2HwVelTransThresh_HwDegpS_f32	86.7898026		
k_StopMode2Timer_Sec_u16	3		
k_StopMode2VehSpdTransThresh_Kph_f32	18.7343998		
k_StopModeAssistDD_UIs_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_enu	П	
target_Rte_Inst_Ap_GMStrtStop.StrtStop_Per1_EngSpd_Rpm_f32	target_StrtStop_Per1_EngSpd_Rpm_f32	huDadaC f22	
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_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_SSSiew_GispS_i32 target_Rte_Inst_Ap_GMStrtStop.StrtStop_Per1_SSState_State_enum	target StrtStop Per 1_SSSiew_UispS_i32		
target Rte Inst Ap GMStrtStop.StrtStop Per1 VehicleSpeed Kph f32	target StrtStop Per1 VehicleSpeed Kph f3		
target_StrtStop_Per1_APAState_State_enum.value	0	32	
target StrtStop Per1 EngSpd Rpm f32.value	0		
target_StrtStop_Per1_HandwheelVelocity_HwRadpS_f32.value	-89.8972015		
target_StrtStop_Per1_Harlowneervelocity_HwRaupS_isz.value	-7.71549988		
target StrtStop Per1 SS12VFault Cnt Igc.value	0		
target_StrtStop_Per1_VehicleSpeed_Kph_f32.value	27.2628994		
Name	Actual Value	Expected Value	Resu
StrtStop SSScale Uls M f32	1	1	.vean
StriStop_SSScale_Dis_in_i32 StrtStop_SSSlewRatePrev_UlspS_M_f32	436.60379	436.60379 ± 0.1	
StrtStop_SSSiewkatePrev_uispS_M_132 StrtStop_StOpModePrevPrev_Cnt_M_enum	0	436.603/9 ± 0.1	
StrtStop_StOpModePrev_Cnt_M_enum	2	2	
StrtStop_StOpMode_Cnt_M_enum	2	2	
StrtStop_StopModeTimer1_mS_M_u32	788317696	788317696	
StrtStop_StopModeTimer1_mS_M_u32 StrtStop_StopModeTimer2_mS_M_u32	2172265472	2172265472	
target_StrlStop_Per1_SSScale_Uls_f32.value	1	1 ± 0.0001	
	!	1 ± 0.0001	
target_StrtStop_Per1_SSSlew_UlspS_f32.value	436.60379	436.60379 ± 0.1	١,

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





Test Step 2.63 (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)	Immus Value		
Name	Input Value	Firm a	
DtrmnElapsedTime_mS_u32(ElapsedTime) CotSustamTime_mS_u22(CurrentTime)	target_DtrmnElapsedTime_mS_u32_ElapsedTime_mS_u32_CurrentTime		
GetSystemTime_mS_u32(CurrentTime)	target_GetSystemTime_mS_u32_CurrentTime		
Rte_Inst_Ap_GMStrtStop	target_Rte_Inst_Ap_GMStrtStop 0.349400014		
	321.752411		
·- ·	3		
	5		
12 1 2 2 2	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_UIs_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		
	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		
	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	$target_StrtStop_Per1_APAState_State_enum$		
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_Hw	RadpS_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_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		
	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		
. 3.2	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	
	3	3	
StrtStop StopModeTimer1 mS M u32		1927376896	
StrtStop_StopModeTimer2_mS_M_u32		82450	
target_StrtStop_Per1_SSScale_Uls_f32.value		0.00109999999 ± 0.0001	
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		
DtrmnElapsedTime mS u32(ElapsedTime)	target_DtrmnElapsedTime_mS_u32_Elapse	edTime	
GetSystemTime_mS_u32(CurrentTime)	target_GetSystemTime_mS_u32_CurrentTime_mS_u32_CurrentTime_mS_u32_CurrentTime_mS_u32_CurrentTime_mS_u32_CurrentTime_mS_u32_CurrentTime_mS_u32_CurrentTime_mS_u32_CurrentTime_mS_u32_CurrentTime_mS_u32_CurrentTime_mS_u32_CurrentTime_mS_u32_CurrentTime_mS_u32_CurrentTime_mS_u32_CurrentTime_mS_u32_CurrentTime_mS_u32_CurrentTime_mS_u32_CurrentTime_mS_u32_CurrentTime_mS_u32_CurrentTime_mS_u32_CurrentTime_mS_u32_CurrentTime_mS_u32_CurrentTime_mS_u32_CurrentTime_mS_u32_CurrentTime_mS_u32_CurrentTime_mS_u32_CurrentTime_mS_u32_CurrentTime_mS_u32_CurrentTime_mS_u32_CurrentTime_mS_u32_CurrentTime_mS_u32_CurrentTime_mS_u32_CurrentTime_mS_u32_CurrentTime_mS_u32_CurrentTime_mS_u32_CurrentTime_mS_u32_CurrentTime_mS_u32_CurrentTime_mS_u32_CurrentTime_mS_u32_CurrentTime_mS_u32_CurrentTime_mS_u32_CurrentTime_mS_u32_CurrentTime_mS_u32_CurrentTime_mS_u32_CurrentTime_mS_u32_CurrentTime_mS_u32_CurrentTime_mS_u32_CurrentTime_mS_u32_CurrentTime_mS_u32_CurrentTime_mS_u32_CurrentTime_mS_u32_CurrentTime_mS_u32_CurrentTime_mS_u32_CurrentTime_mS_u32_CurrentTime_mS_u32_CurrentTime_mS_u32_CurrentTime_mS_u32_CurrentTime_mS_u32_CurrentTime_mS_u32_CurrentTime_mS_u32_CurrentTime_mS_u32_CurrentTime_mS_u32_CurrentTime_mS_u32_CurrentTime_mS_u32_CurrentTime_mS_u32_CurrentTime_mS_u32_CurrentTime_mS_u32_CurrentTime_mS_u32_CurrentTime_mS_u32_CurrentTime_mS_u32_CurrentTime_mS_u32_CurrentTime_mS_u32_CurrentTime_mS_u32_CurrentTime_mS_u32_CurrentTime_mS_u32_CurrentTime_mS_u32_CurrentTime_mS_u32_CurrentTime_mS_u32_CurrentTime_mS_u32_CurrentTime_mS_u32_CurrentTime_mS_u32_CurrentTime_mS_u32_CurrentTime_mS_u32_CurrentTime_mS_u32_CurrentTime_mS_u32_CurrentTime_mS_u32_CurrentTime_mS_u32_CurrentTime_mS_u32_CurrentTime_mS_u32_CurrentTime_mS_u32_CurrentTime_mS_u32_CurrentTime_mS_u32_CurrentTime_mS_u32_CurrentTime_mS_u32_CurrentTime_mS_u32_CurrentTime_mS_u32_CurrentTime_mS_u32_CurrentTime_mS_u32_CurrentTime_mS_u32_CurrentTime_mS_u32_CurrentTime_mS_u32_CurrentTime_mS_u32_CurrentTime_mS_u32_CurrentTime_mS_u32_CurrentTime_mS_u32_CurrentTime_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	371.763397		
StrtStop_StOpModePrevPrev_Cnt_M_enum	5		
StrtStop_StOpModePrev_Cnt_M_enum	1		
StrtStop_StOpMode_Cnt_M_enum	2		
StrtStop_StopModeTimer1_mS_M_u32	4240077568		
StrtStop_StopModeTimer2_mS_M_u32	3383331072		
k_AlgEnable_Cnt_lgc	1		
k_FltRspRampDnRt_UlspS_f32	258.011597		
k_Mode1AssistDD_Uls_f32	0.66079998		
k_Mode1AssistSlew_UlspS_f32	227.658295		
k_Mode1EngTransThresh_Rpm_f32	9003.75488		
k_Mode1VehSpdTransThresh_Kph_f32	113.788101		
k_Mode2AssistDD_UIs_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 83800		
target_GetSystemTime_mS_u32_CurrentTime target_Rte_Inst_Ap_GMStrtStop.StrtStop_Per1_APAState_State_enum		m	
target_Rte_Inst_Ap_GMStrtStop.StrtStop_Per1_EngSpd_Rpm_f32	target_StrtStop_Per1_APAState_State_enu target_StrtStop_Per1_EngSpd_Rpm_f32	III	
target_rite_inst_Ap_dividitionp.strtStop_ren_Engspd_rpin_isz target_rite_inst_Ap_dividitionp.strtStop_Per1_HandwheelVelocity_HwRadpS_f32		hwPadnS 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	2	
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 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_f:		
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	1.000
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	
StrStop_StopModeTimer1_mS_M_u32 StrlStop_StopModeTimer2_mS_M_u32	83800	83800	
target_StrtStop_Per1_SSScale_Uls_f32.value	1	1 ± 0.0001	
target_StrtStop_Per1_SSScale_Uis_132.value target_StrtStop_Per1_SSSlew_UlspS_f32.value	258.011597	258.011597 ± 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 2.66 (Repeat Count = 1)			✓
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	1		
StrtStop_SSSlewRatePrev_UlspS_M_f32	356.341187		
StrtStop_StOpModePrevPrev_Cnt_M_enum	4		
StrtStop_StOpModePrev_Cnt_M_enum	1		
StrtStop_StOpMode_Cnt_M_enum	2		
StrtStop_StopModeTimer1_mS_M_u32	4210780672		
StrtStop_StopModeTimer2_mS_M_u32	3557173248		
k_AlgEnable_Cnt_lgc	1		
k_FltRspRampDnRt_UlspS_f32	399.0867		
k_Mode1AssistDD_Uls_f32	1		
k_Mode1AssistSlew_UlspS_f32	28.8075008		
k_Mode1EngTransThresh_Rpm_f32	884.702576		
k_Mode1VehSpdTransThresh_Kph_f32	32.5257988		
k_Mode2AssistDD_Uls_f32	0.5		
k_Mode2AssistSlew_UlspS_f32	133.434799		
k_Mode2VehSpdTransThresh_Kph_f32	18.5		
k_NormalModeAssistSlew_UlspS_f32	121.452904		
k_NormalModeEngTransThresh_Rpm_f32	10593.1572		
k_NormalModeVehSpdTransThresh_Kph_f32	17.5674992		
k_StopMode1AssistSlew_UlspS_f32	207.523605		
k_StopMode1HwTrqTransThresh_HwNm_f32	6.91629982		
k_StopMode1HwVelTransThresh_HwDegpS_f32	227.099594		
k_StopMode1Timer_Sec_u16	5		
k_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_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	Jupage 122	
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 Igc	target_StrtStop_Per1_HwTorque_HwNm_f3		
· · · · · · · · · · · · · · · · · · ·	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_VehicleSpeed_Kph_f32 target_StrtStop_Per1_APAState_State_enum.value	target_StrtStop_Per1_VehicleSpeed_Kph_f	32	
target_StrtStop_Per1_EngSpd_Rpm_f32.value	2136.90649		
target StrtStop Per1 HandwheelVelocity HwRadpS f32.value	-34.6337013		
target_StrtStop_Per1_HwTorque_HwNm_f32.value	-6.04920006		
target_StrtStop_Per1_SS12VFault_Cnt_lgc.value	0		
target_StrtStop_Per1_VehicleSpeed_Kph_f32.value	193.684601		
Name	Actual Value	Expected Value	Result
		· ·	Result
StrtStop_SSScale_Uls_M_f32	0.5	0.5	
StrtStop_SSSlewRatePrev_UlspS_M_f32 StrtStop_StOpModePrevPrev_Cnt_M_enum	399.0867	399.0867 ± 0.1	Y
StrtStop_StOpModePrev_Cnt_M_enum	3	3	
StrtStop_StOpModePrev_Cnt_M_enum StrtStop_StOpModeCnt_M_enum	3	3	
StrtStop_StopMode_Cnt_M_enum StrtStop_StopModeTimer1_mS_M_u32	4210780672		
StrtStop_StopModeTimer1_mS_M_u32 StrtStop_StopModeTimer2_mS_M_u32	85150	4210780672 85150	
	03130	03130	
	0.5	0.5 + 0.0001	
target_StrtStop_Per1_SSScale_Uls_f32.value target_StrtStop_Per1_SSSlew_UlspS_f32.value	0.5 399.0867	0.5 ± 0.0001 399.0867 ± 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 2.67 (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				
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		
	target_DtrmnElapsedTime_mS_u32_Elapse	dTime	
	target_GetSystemTime_mS_u32_CurrentTir		
	target Rte Inst Ap GMStrtStop		
	0.300900012		
	123.359497		
	0		
	2		
	3		
	2500798208		
	3180666112		
	1		
k_FltRspRampDnRt_UlspS_f32	357.589691		
k_Mode1AssistDD_Uls_f32	0.519500017		
k_Mode1AssistSlew_UlspS_f32	263.327393		
k_Mode1EngTransThresh_Rpm_f32	8107.32715		
k_Mode1VehSpdTransThresh_Kph_f32	13.7768002		
k_Mode2AssistDD_Uls_f32	0.334899992		
k_Mode2AssistSlew_UlspS_f32	333.115997		
k_Mode2VehSpdTransThresh_Kph_f32	75.6641006		
k_NormalModeAssistSlew_UlspS_f32	168.323593		
k_NormalModeEngTransThresh_Rpm_f32	3892.87061		
k_NormalModeVehSpdTransThresh_Kph_f32	12		
k_StopMode1AssistSlew_UlspS_f32	20.0174999		
k_StopMode1HwTrqTransThresh_HwNm_f32	9.93120003		
k_StopMode1HwVelTransThresh_HwDegpS_f32	67.0008011		
k_StopMode1Timer_Sec_u16	4		
k_StopMode1VehSpdTransThres_Kph_f32	140.446503		
k_StopMode2AssistSlew_UlspS_f32	2.64840007		
k_StopMode2HwTrqTransThresh_HwNm_f32	2.26340008		
k_StopMode2HwVelTransThresh_HwDegpS_f32	221.604996		
k_StopMode2Timer_Sec_u16	5		
k_StopMode2VehSpdTransThresh_Kph_f32	131.613998		
k_StopModeAssistDD_Uls_f32	1		
target_DtrmnElapsedTime_mS_u32_ElapsedTime	342250		
target_GetSystemTime_mS_u32_CurrentTime	89200		
target_Rte_Inst_Ap_GMStrtStop.StrtStop_Per1_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	
0 - 1	1		
•	8973.41211		
	35.6399994		
target_StrtStop_Per1_HwTorque_HwNm_f32.value	2.21160007		
. 3.2	0		
target_StrtStop_Per1_VehicleSpeed_Kph_f32.value	121.978203		
Name	Actual Value	Expected Value	Resul
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_entetop_ren_eocodate_ene_no_totale			
target_StrtStop_Per1_SSSlew_UlspS_f32.value	168.323593	168.323593 ± 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 2.70 (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)	Innut 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			
	0.648199975			
	88.9945984			
StrtStop_StOpModePrevPrev_Cnt_M_enum	1			
	5			
	3			
StrtStop_StopModeTimer1_mS_M_u32	3346413568			
StrtStop_StopModeTimer2_mS_M_u32	194856448			
k_AlgEnable_Cnt_lgc	1			
k_FltRspRampDnRt_UlspS_f32	233.065994			
k_Mode1AssistDD_Uls_f32	0.715499997			
k_Mode1AssistSlew_UlspS_f32	450.539886			
k_Mode1EngTransThresh_Rpm_f32	9824.46875			
k_Mode1VehSpdTransThresh_Kph_f32	178.738907			
k_Mode2AssistDD_Uls_f32	1			
k_Mode2AssistSlew_UlspS_f32	176.930893			
k_Mode2VehSpdTransThresh_Kph_f32	18.0042			
k_NormalModeAssistSlew_UlspS_f32	404.261993			
k_NormalModeEngTransThresh_Rpm_f32	2623.25879			
k NormalModeVehSpdTransThresh Kph f32	187.504898			
k_StopMode1AssistSlew_UlspS_f32	202.789093			
	8.98719978			
k_StopMode1HwTrqTransThresh_HwNm_f32				
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			
	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_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 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_enun	1		
target Rte Inst Ap GMStrtStop.StrtStop Per1 VehicleSpeed Kph f32				
•	target_StrtStop_Per1_VehicleSpeed_Kph_t	J2		
. 3.2	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			
3,57,111,11	0			
target_StrtStop_Per1_VehicleSpeed_Kph_f32.value	0			
Name	Actual Value	Expected Value	Resul	
StrtStop_SSScale_Uls_M_f32	0.648199975	0.648199975	•	
	1	1 ± 0.1		
	5	5		
	3	3		
	3	3		
StrtStop StopModeTimer1 mS M u32	3346413568	3346413568		
	194856448	194856448		
	12 1 030440	134000440		
StrtStop_StopModeTimer2_mS_M_u32		0.640400075 + 0.0004		
target_StrtStop_Per1_SSScale_Uls_f32.value target_StrtStop_Per1_SSSlew_UlspS_f32.value	0.648199975	0.648199975 ± 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 2.73 (Repeat Count = 1)			✓
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	1		
StrtStop_SSSlewRatePrev_UlspS_M_f32	328.714691		
StrtStop_StOpModePrevPrev_Cnt_M_enum	0		
StrtStop_StOpModePrev_Cnt_M_enum	3		
StrtStop_StOpMode_Cnt_M_enum	3		
StrtStop_StopModeTimer1_mS_M_u32	740039424		
StrtStop_StopModeTimer2_mS_M_u32	2506027264		
k_AlgEnable_Cnt_lgc	1		
k_FltRspRampDnRt_UlspS_f32	190.363403		
k_Mode1AssistDD_Uls_f32	1		
k_Mode1AssistSlew_UlspS_f32	237.624207		
k Mode1EngTransThresh Rpm f32	12316.1953		
k Mode1VehSpdTransThresh Kph f32	171.328094		
k_Mode2AssistDD_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		
	1		
k_StopModeAssistDD_Uls_f32 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_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		JwPadnS 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_enum		
	I		
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			
target_StrtStop_Per1_HandwheelVelocity_HwRadpS_f32.value	-75.2603989		
target_StrtStop_Per1_HwTorque_HwNm_f32.value	-9.40680027		
target_StrtStop_Per1_SS12VFault_Cnt_lgc.value	0		
target_StrtStop_Per1_VehicleSpeed_Kph_f32.value	0		
Name	Actual Value	Expected Value	Result
StrtStop_SSScale_Uls_M_f32	1	1	~
StrtStop_SSSlewRatePrev_UlspS_M_f32	190.363403	190.363403 ± 0.1	~
StrtStop_StOpModePrevPrev_Cnt_M_enum	0	0	~
StrtStop_StOpModePrev_Cnt_M_enum	3	3	~
StrtStop_StOpMode_Cnt_M_enum	3	3	~
StrtStop_StopModeTimer1_mS_M_u32	740039424	740039424	~
StrtStop_StopModeTimer2_mS_M_u32	2506027264	2506027264	~
target_StrtStop_Per1_SSScale_Uls_f32.value	1	1 ± 0.0001	~
target_StrtStop_Per1_SSSlew_UlspS_f32.value	190.363403	190.363403 ± 0.1	~
target_StrtStop_Per1_SSState_State_enum.value	3	3	✓

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





Test 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	136.205902		
StrtStop_SSSlewRatePrev_UlspS_M_f32			
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_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		
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) Name	Input Value		
DtrmnElapsedTime mS u32(ElapsedTime)	target_DtrmnElapsedTime_mS_u32_Elapse	edTime	
GetSystemTime_mS_u32(CurrentTime)	target_GetSystemTime_mS_u32_CurrentTi		
Rte_Inst_Ap_GMStrtStop	target_Rte_Inst_Ap_GMStrtStop		
StrtStop_SSScale_Uls_M_f32	1		
StrtStop_SSSlewRatePrev_UlspS_M_f32	128.5345		
StrtStop_StOpModePrevPrev_Cnt_M_enum	1		
StrtStop_StOpModePrev_Cnt_M_enum	5		
StrtStop_StOpMode_Cnt_M_enum	3		
StrtStop_StopModeTimer1_mS_M_u32	1258847232		
StrtStop_StopModeTimer2_mS_M_u32	1908664832		
k_AlgEnable_Cnt_lgc	1		
k_FltRspRampDnRt_UlspS_f32	347.56781		
k_Mode1AssistDD_Uls_f32	1		
k_Mode1AssistSlew_UlspS_f32	125.973701		
k_Mode1EngTransThresh_Rpm_f32	13882.4092		
k_Mode1VehSpdTransThresh_Kph_f32	168.9655		
k_Mode2AssistDD_Uls_f32	0.533699989		
k_Mode2AssistSlew_UlspS_f32	395.059113		
k_Mode2VehSpdTransThresh_Kph_f32	56.3480988		
k_NormalModeAssistSlew_UlspS_f32	362.158905		
k_NormalModeEngTransThresh_Rpm_f32	7898.78516		
k_NormalModeVehSpdTransThresh_Kph_f32	163.250198		
k_StopMode1AssistSlew_UlspS_f32	293.488312		
k_StopMode1HwTrqTransThresh_HwNm_f32	2.67420006		
k_StopMode1HwVelTransThresh_HwDegpS_f32	86.1949997		
k_StopMode1Timer_Sec_u16	2		
k_StopMode1VehSpdTransThres_Kph_f32	90.8057022		
k_StopMode2AssistSlew_UlspS_f32	227.143402		
k_StopMode2HwTrqTransThresh_HwNm_f32	0		
k_StopMode2HwVelTransThresh_HwDegpS_f32	123.165199		
k_StopMode2Timer_Sec_u16	4		
k_StopMode2VehSpdTransThresh_Kph_f32	187.138306		
k_StopModeAssistDD_UIs_f32	1		
target_DtrmnElapsedTime_mS_u32_ElapsedTime	378300		
target_GetSystemTime_mS_u32_CurrentTime	98650		
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	hu Dada C 400	
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_StrtStop_Per1_HwTorque_HwNm_f3	2	
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 StrtStop Per1 APAState State enum.value	0	5 <u>2</u>	
target_StrtStop_Per1_APAState_State_entititi.value	0		
target_StrtStop_Per1_EngSpu_Rpin_isz.value target_StrtStop_Per1_HandwheelVelocity_HwRadpS_f32.value	0		
target_StrtStop_Per1_HwTorque_HwNm_f32.value	6.61429977		
target StrtStop Per1 SS12VFault Cnt Igc.value	0		
target_StrtStop_Per1_VehicleSpeed_Kph_f32.value	0		
Name	Actual Value	Expected Value	Resu
StrtStop SSScale Uls M f32	1	1	Ivean
StriStop_SSScale_Dis_M_132 StrtStop_SSSlewRatePrev_UlspS_M_f32	1	1 ± 0.1	
StrtStop_StOpModePrevPrev_Cnt_M_enum	5	5	
StrtStop_StOpModePrev_Cnt_M_enum	3	3	
StrtStop_StOpMode_Cnt_M_enum	3	3	
StrtStop_StopModeTimer1_mS_M_u32	1258847232	1258847232	
StrtStop_StopModeTimer1_mS_M_u32 StrtStop_StopModeTimer2_mS_M_u32	1908664832	1908664832	
target_StrtStop_Per1_SSScale_Uls_f32.value	1	1 ± 0.0001	
target_StrtStop_Per1_SSScale_Uis_132.value	1	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	✓





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 UIs 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)	Innut Value		
Name	Input Value	1 	
DtrmnElapsedTime_mS_u32(ElapsedTime)	target_DtrmnElapsedTime_mS_u32_Elapse		
GetSystemTime_mS_u32(CurrentTime)	target_GetSystemTime_mS_u32_CurrentTir	ne	
Rte_Inst_Ap_GMStrtStop	target_Rte_Inst_Ap_GMStrtStop		
StrtStop_SSScale_Uls_M_f32		0.207900003	
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_Uls_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	
		II	
target_Rte_Inst_Ap_GMStrtStop.StrtStop_Per1_EngSpd_Rpm_f32	target_StrtStop_Per1_EngSpd_Rpm_f32	wDodeC 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_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_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	Resi
StrtStop_SSScale_Uls_M_f32	0.167699993	0.167699993	
StrtStop SSSlewRatePrev UlspS M f32	1	1 ± 0.1	
StrtStop StOpModePrevPrev Cnt M enum	5	5	
StrtStop_StOpModePrev_Cnt_M_enum	2	2	
StrtStop_StOpMode_Cnt_M_enum	2	2	
StrtStop_StopModeTimer1_mS_M_u32 StrtStop_StopModeTimer2_mS_M_u32	2330903296	2330903296	
	3399309568	3399309568	
	0.40700000	0.407000000 + 0.0004	
target_StrtStop_Per1_SSScale_Uls_f32.value target_StrtStop_Per1_SSSlew_UlspS_f32.value	0.167699993	0.167699993 ± 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 2.82 (Repeat Count = 1) Name	Input Value		
DtrmnElapsedTime_mS_u32(ElapsedTime)	target DtrmnElapsedTime mS u32 Elapse	edTime	
GetSystemTime_mS_u32(CurrentTime)	target_GetSystemTime_mS_u32_CurrentTi		
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_UIs_f32	1		
k_Mode2AssistSlew_UlspS_f32	279.053406		
k_Mode2VehSpdTransThresh_Kph_f32	155.530899		
k_NormalModeAssistSlew_UlspS_f32	319.713501		
k_NormalModeEngTransThresh_Rpm_f32	5586.98242		
k_NormalModeVehSpdTransThresh_Kph_f32	72.0836029		
k_StopMode1AssistSlew_UlspS_f32	174.879501		
k_StopMode1HwTrqTransThresh_HwNm_f32	6.3277998		
k_StopMode1HwVelTransThresh_HwDegpS_f32	25.4627991		
k_StopMode1Timer_Sec_u16	0		
k_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		
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_State_enu	m	
target_Rte_Inst_Ap_GMStrtStop.StrtStop_Per1_EngSpd_Rpm_f32	target_StrtStop_Per1_EngSpd_Rpm_f32	huDadaC 622	
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_StrtStop_Per1_HwTorque_HwNm_f3		
target_Rte_Inst_Ap_GwiStrtStop.StrtStop_Per1_SS12VFauit_Crit_igc target_Rte_Inst_Ap_GwiStrtStop.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 f		
target_kte_inst_Ap_dwistristop_stristop_rerr_verilidespeed_kpri_isz	3	32	
target StrtStop Per1 EngSpd Rpm f32.value	0		
target_StrtStop_Per1_EngSpd_Rpm_isz.value target_StrtStop_Per1_HandwheelVelocity_HwRadpS_f32.value	0		
target_StrtStop_Fe11_Harrowneervelocity_HwRaupS_13z.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	0	ixesui
StrtStop_SSScale_Uis_M_132 StrtStop_SSSlewRatePrev_UlspS_M_f32	140.441895		
StrIStop_SSSiewRatePrev_UispS_M_f32 StrIStop_StOpModePrevPrev_Cnt_M_enum	3	140.441895 ± 0.1	
StrIStop_StOpModePrev_Cnt_M_enum StrIStop_StOpModePrev_Cnt_M_enum	2	2	
	2	2	
StrtStop_StOpMode_Cnt_M_enum StrtStop_StopModeTimer1_mS_M_u32			
StrlStop_StopModeTimer1_mS_M_u32	3373097472 4274741248	3373097472 4274741248	
StrtStop_StopModeTimer2_mS_M_u32	0	42/4/41248 0 ± 0.0001	
target StrtSton Der1 SSScale I lle f32 volue		0 ± 0.000 i	
target_StrtStop_Per1_SSScale_Uls_f32.value target_StrtStop_Per1_SSSlew_UlspS_f32.value	140.441895	140.441895 ± 0.1	٠,

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 2.83 (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_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	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				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 2.85 (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)	Innut Value		
Name	Input Value	_	
DtrmnElapsedTime_mS_u32(ElapsedTime)	target_DtrmnElapsedTime_mS_u32_Elapse		
GetSystemTime_mS_u32(CurrentTime)	target_GetSystemTime_mS_u32_CurrentTin	ne	
Rte_Inst_Ap_GMStrtStop	target_Rte_Inst_Ap_GMStrtStop		
StrtStop_SSScale_Uls_M_f32 StrtStop_SSSlowPateProv_UlapS_M_f32	360.911102		
	4 3		
	2		
StrtStop StopModeTimer1 mS M u32	2607812864		
StrtStop_StopModeTimer2_mS_M_u32	1670838016		
k AlgEnable Cnt Igc	1		
	99.7701035		
k Mode1AssistDD Uls f32	0.0491000004		
k_Mode1AssistSlew_UlspS_f32	371.695313		
	815.190613		
	87.7738037		
	0.309799999		
	500		
	0		
k NormalModeAssistSlew UlspS f32	189.737503		
k_NormalModeEngTransThresh_Rpm_f32	1043.2655		
k NormalModeVehSpdTransThresh Kph f32	0.41449998		
k_StopMode1AssistSlew_UlspS_f32	410.842407		
k_StopMode1HwTrqTransThresh_HwNm_f32	3.99180007		
k StopMode1HwVelTransThresh HwDegpS f32	119.024902		
	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_enu	m	
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_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_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	32	
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	•
	3	3	
StrtStop_StOpMode_Cnt_M_enum	3	3	
StrtStop_StopModeTimer1_mS_M_u32	2607812864	2607812864	
StrtStop_StopModeTimer2_mS_M_u32	4294967295	4294967295	
target_StrtStop_Per1_SSScale_Uls_f32.value	0.309799999	0.309799999 ± 0.0001	
target_StrtStop_Per1_SSSlew_UlspS_f32.value	99.7701035	99.7701035 ± 0.1	

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 2.87 (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_CurrentTime_mS_u32_CurrentTime_mS_u32_CurrentTime_mS_u32_CurrentTime_mS_u32_CurrentTime_mS_u32_CurrentTime_mS_u32_CurrentTime_mS_u32_CurrentTime_mS_u32_CurrentTime_mS_u32_CurrentTime_mS_u32_CurrentTime_mS_u32_CurrentTime_mS_u32_CurrentTime_mS_u32_CurrentTime_mS_u32_CurrentTime_mS_u32_CurrentTime_mS_u32_CurrentTime_mS_u32_CurrentTime_mS_u32_CurrentTime_mS_u32_CurrentTime_mS_u32_CurrentTime_mS_u32_CurrentTime_mS_u32_CurrentTime_mS_u32_CurrentTime_mS_u32_CurrentTime_mS_u32_CurrentTime_mS_u32_CurrentTime_mS_u32_CurrentTime_mS_u32_CurrentTime_mS_u32_CurrentTime_mS_u32_CurrentTime_mS_u32_CurrentTime_mS_u32_CurrentTime_mS_u32_CurrentTime_mS_u32_CurrentTime_mS_u32_CurrentTime_mS_u32_CurrentTime_mS_u32_CurrentTime_mS_u32_CurrentTime_mS_u32_CurrentTime_mS_u32_CurrentTime_mS_u32_CurrentTime_mS_u32_CurrentTime_mS_u32_CurrentTime_mS_u32_CurrentTime_mS_u32_CurrentTime_mS_u32_CurrentTime_mS_u32_CurrentTime_mS_u32_CurrentTime_mS_u32_CurrentTime_mS_u32_CurrentTime_mS_u32_CurrentTime_mS_u32_CurrentTime_mS_u32_CurrentTime_mS_u32_CurrentTime_mS_u32_CurrentTime_mS_u32_CurrentTime_mS_u32_CurrentTime_mS_u32_CurrentTime_mS_u32_CurrentTime_mS_u32_CurrentTime_mS_u32_CurrentTime_mS_u32_CurrentTime_mS_u32_CurrentTime_mS_u32_CurrentTime_mS_u32_CurrentTime_mS_u32_CurrentTime_mS_u32_CurrentTime_mS_u32_CurrentTime_mS_u32_CurrentTime_mS_u32_CurrentTime_mS_u32_CurrentTime_mS_u32_CurrentTime_mS_u32_CurrentTime_mS_u32_CurrentTime_mS_u32_CurrentTime_mS_u32_CurrentTime_mS_u32_CurrentTime_mS_u32_CurrentTime_mS_u32_CurrentTime_mS_u32_CurrentTime_mS_u32_CurrentTime_mS_u32_CurrentTime_mS_u32_CurrentTime_mS_u32_CurrentTime_mS_u32_CurrentTime_mS_u32_CurrentTime_mS_u32_CurrentTime_mS_u32_CurrentTime_mS_u32_CurrentTime_mS_u32_CurrentTime_mS_u32_CurrentTime_mS_u32_CurrentTime_mS_u32_CurrentTime_mS_u32_CurrentTime_mS_u32_CurrentTime_mS_u32_CurrentTime_mS_u32_CurrentTime_mS_u32_CurrentTime_mS_u32_CurrentTime_mS_u32_CurrentTime_mS_u32_CurrentTime_mS_u32_CurrentTime_mS_u32_CurrentTime_mS_u32_CurrentTime_mS_u32_Curr	ne	
Rte_Inst_Ap_GMStrtStop	target_Rte_Inst_Ap_GMStrtStop		
StrtStop_SSScale_Uls_M_f32	0.855499983		
StrtStop_SSSlewRatePrev_UlspS_M_f32	134.473801		
StrtStop_StOpModePrevPrev_Cnt_M_enum	3		
StrtStop_StOpModePrev_Cnt_M_enum	5		
StrtStop_StOpMode_Cnt_M_enum	2		
StrtStop_StopModeTimer1_mS_M_u32	2194837504		
StrtStop_StopModeTimer2_mS_M_u32	3447053824		
k_AlgEnable_Cnt_lgc	1		
k_FitRspRampDnRt_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_UIs_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_UIs_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	п	
target_Rte_Inst_Ap_GMStrtStop_StrtStop_Per1_EngSpd_Rpm_f32	target_StrtStop_Per1_EngSpd_Rpm_f32	D-d=0 f00	
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	2	
target_Rte_Inst_Ap_GMStrtStop.StrtStop_Per1_VehicleSpeed_Kph_f32 target_StrtStop_Per1_APAState_State_enum.value	target_StrtStop_Per1_VehicleSpeed_Kph_f3	2	
· - ·	0		
target_StrtStop_Per1_EngSpd_Rpm_f32.value	76.5552979		
target_StrtStop_Per1_HandwheelVelocity_HwRadpS_f32.value	7.63129997		
target_StrtStop_Per1_HwTorque_HwNm_f32.value target StrtStop_Per1_SS12VFault_Cnt_lgc.value	0		
target_StrtStop_Per1_VehicleSpeed_Kph_f32.value	75.4552002		
		Fyrna eta d Value	Daguit
Name	Actual Value	Expected Value	Result
StrtStop_SSScale_Uls_M_f32	0.977599978	0.977599978	
StrtStop_SSSlewRatePrev_UlspS_M_f32	1	1 ± 0.1	- J
StrtStop_StOpModePrev_Cnt_M_enum	5	5	~
StrtStop_StOpModePrev_Cnt_M_enum	3	3	
StrtStop_StopMode_Cnt_M_enum	3	3	V
StrtStop_StopModeTimer1_mS_M_u32	2194837504	2194837504	· ·
StrtStop_StopModeTimer2_mS_M_u32	125650	125650	· ·
target_StrtStop_Per1_SSScale_Uls_f32.value	0.977599978	0.977599978 ± 0.0001	•
target_StrtStop_Per1_SSSlew_UlspS_f32.value	1	1 ± 0.1	→
target_StrtStop_Per1_SSState_State_enum.value	3	3	

Test Step Call Trace				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 2.88 (Repeat Count = 1) Name	Input Value		
	target DtrmnElapsedTime mS u32 Elapsed	dTime	
	target_GetSystemTime_mS_u32_CurrentTin		
	target_Rte_Inst_Ap_GMStrtStop		
	0.919200003		
·	457.157196		
	2		
	1		
	1		
1	2036798208		
	271919360		
	1		
	236.447403		
_ , , _ , _	0.454400003		
	283.343201		
	894.039917		
	197.780304		
	1		
	67.2693024 109.674797		
	109.674797 409.145508		
	566.60498		
	82.4135971		
	389.497101		
	2.90280008		
	44.207901		
- '	1		
	149.054596		
	0.100000001		
	4.63170004		
	247.448303		
k_StopMode2Timer_Sec_u16	1		
k_StopMode2VehSpdTransThresh_Kph_f32	13.6091003		
	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_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	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		
	Actual Value	Expected Value	Resul
	1	1	
	409.145508	409.145508 ± 0.1	
	1	1	
	0	0	
	0	0	
StrtSton StonModeTimer1 mS M u22	2036798208	2036798208	
	271010260	271010260	
StrtStop_StopModeTimer2_mS_M_u32	271919360	271919360	•
StrtStop_StopModeTimer2_mS_M_u32 target_StrtStop_Per1_SSScale_Uls_f32.value	271919360 1 409.145508	271919360 1 ± 0.0001 409.145508 ± 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 2.89 (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) Name	Input Value		
	target_DtrmnElapsedTime_mS_u32_Elapse	dTime	
	target_GetSystemTime_mS_u32_Eiapse		
	target Rte Inst Ap GMStrtStop	iie	
	1		
	299.682587		
	3		
	5		
	1		
12 1 2 2 2	3756401920		
	2786388736		
	1		
	448.723389		
	1		
	54.2549019		
	7735.96436		
	72.376503		
	0.145099998		
	447.040985		
	83.0836029		
	26.6767998		
	7945.19482		
	147.378494		
	46.3614006		
	9.63679981		
	195.735901		
	4		
	67.8897018		
	166.388397		
	0.922100008		
	92.946701		
	5		
	146.007706		
k_StopModeAssistDD_UIs_f32	0.370400012		
	496750		
target_GetSystemTime_mS_u32_CurrentTime	129700		
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	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	target_StrtStop_Per1_HwTorque_HwNm_f3:	2	
target_Rte_Inst_Ap_GMStrtStop_StrtStop_Per1_SS12VFault_Cnt_lgc t	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	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
StrtStop SSScale UIs M f32	1	1	•
	1	1 ± 0.1	
	5	5	
	1	1	
	1	1	
	3756401920	3756401920	
	2786388736	2786388736	
	1	1 ± 0.0001	
Tardet Stristop Peril SSScale uis 132.Value			
	1	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	_

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Test Case 3: Path Test

StrtStop_Per1

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StrtStop_Per1



Specification

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

CPU Cycles:

TS3.1 328.00 Cycles
TS3.2 343.00 Cycles
TS3.3 405.00 Cycles
TS3.3 4391.00 Cycles
TS3.4 391.00 Cycles
TS3.5 815.00 Cycles
TS3.6 8902.00 Cycles
TS3.9 929.00 Cycles
TS3.9 929.00 Cycles
TS3.10 955.00 Cycles
TS3.11 339.00 Cycles
TS3.12 326.00 Cycles
TS3.12 326.00 Cycles
TS3.13 918.00 Cycles
TS3.14 893.00 Cycles
TS3.15 916.00 Cycles
TS3.16 925.00 Cycles
TS3.17 961.00 Cycles
TS3.19 930.00 Cycles
TS3.19 930.00 Cycles
TS3.20 952.00 Cycles
TS3.21 930.00 Cycles
TS3.22 938.00 Cycles
TS3.23 938.00 Cycles
TS3.23 938.00 Cycles
TS3.24 9464.00 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 &&
   (VehicleSpeed_Kph_T_f32 <= k_Mode1VehSpdTransThresh_Kph_f32)T)=False"
TS3.7"(SS12VFault_Cnt_T_lgc == TRUE)=false
((EngSpd_Rpm_T_f32 <= k_Mode1EngTransThresh_Rpm_f32)T &&
   (VehicleSpeed_Kph_T_f32 <= k_Mode1VehSpdTransThresh_Kph_f32)F)=False"
TS3.8"((VehicleSpeed_Kph_T_f32 >= k_NormalModeVehSpdTransThresh_Kph_f32)T ||
(EngSpd_Rpm_T_f32 > k_NormalModeEngTransThresh_Rpm_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_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"

TS3.21"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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Name	Input Value		
StrtStop_SSScale_Uls_M_f32	0		
StrtStop_SSSlewRatePrev_UlspS_M_f32	0.100000001		
StrtStop_StOpModePrevPrev_Cnt_M_enum	0		
StrtStop_StOpModePrev_Cnt_M_enum	0		
StrtStop_StOpMode_Cnt_M_enum	0		
StrtStop_StopModeTimer1_mS_M_u32	0		
StrtStop_StopModeTimer2_mS_M_u32	0		
k_AlgEnable_Cnt_lgc	0		
k_FltRspRampDnRt_UlspS_f32	0.100000001		
k_Mode1AssistDD_UIs_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_UlspS_f32	0.100000001		
k_NormalModeEngTransThresh_Rpm_f32	0		
k_NormalModeVehSpdTransThresh_Kph_f32	0		
k_StopMode1AssistSlew_UlspS_f32	0.100000001		
k_StopMode1HwTrqTransThresh_HwNm_f32	0		
k_StopMode1HwVelTransThresh_HwDegpS_f32	0		
k_StopMode1Timer_Sec_u16	0		
k_StopMode1VehSpdTransThres_Kph_f32	0		
k_StopMode2AssistSlew_UlspS_f32	0.100000001		
k_StopMode2HwTrqTransThresh_HwNm_f32	0		
k_StopMode2HwVelTransThresh_HwDegpS_f32	0		
k_StopMode2Timer_Sec_u16	0		
k_StopMode2VehSpdTransThresh_Kph_f32	0		
k_StopModeAssistDD_Uls_f32	0		
target_DtrmnElapsedTime_mS_u32_ElapsedTime	0		
target_GetSystemTime_mS_u32_CurrentTime	0		
target_Rte_Inst_Ap_GMStrtStop_StrtStop_Per1_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_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	-100		
target_StrtStop_Per1_HwTorque_HwNm_f32.value	-10		
target_StrtStop_Per1_SS12VFault_Cnt_lgc.value	0		
target_StrtStop_Per1_VehicleSpeed_Kph_f32.value	0		
Name	Actual Value	Expected Value	Result
StrtStop_SSScale_Uls_M_f32	1	1	~
StrtStop_SSSlewRatePrev_UlspS_M_f32	0.100000001	0.100000001 ± 0.1	✓
StrtStop_StOpModePrevPrev_Cnt_M_enum	0	0	~
StrtStop_StOpModePrev_Cnt_M_enum	5	5	~
StrtStop_StOpMode_Cnt_M_enum	5	5	~
StrtStop_StopModeTimer1_mS_M_u32	0	0	~
StrtStop_StopModeTimer2_mS_M_u32	0	0	~
target_StrtStop_Per1_SSScale_Uls_f32.value	1	1 ± 0.0001	~
target_StrtStop_Per1_SSSlew_UlspS_f32.value	0.100000001	0.100000001 ± 0.1	~
target_StrtStop_Per1_SSState_State_enum.value	5	5	~

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

Test Step 3.2 (Repeat Count = 1)		✓
Name	Input Value	
DtrmnElapsedTime_mS_u32(ElapsedTime)	target_DtrmnElapsedTime_mS_u32_ElapsedTime	
GetSystemTime_mS_u32(CurrentTime)	target_GetSystemTime_mS_u32_CurrentTime	
Rte_Inst_Ap_GMStrtStop	target_Rte_Inst_Ap_GMStrtStop	
StrtStop SSScale Uls M f32	1	

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StrtStop_Per1



	1		
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_Uls_f32	1		
k_Mode2AssistSlew_UlspS_f32	500		
k_Mode2VehSpdTransThresh_Kph_f32	200		
k_NormalModeAssistSlew_UlspS_f32	500		
k_NormalModeEngTransThresh_Rpm_f32	16383.75		
k_NormalModeVehSpdTransThresh_Kph_f32	200		
k_StopMode1AssistSlew_UlspS_f32	500		
k_StopMode1HwTrqTransThresh_HwNm_f32	10		
k_StopMode1HwVelTransThresh_HwDegpS_f32	250		
k_StopMode1Timer_Sec_u16	5		
k_StopMode1VehSpdTransThres_Kph_f32	200		
k_StopMode2AssistSlew_UlspS_f32	500		
k_StopMode2HwTrqTransThresh_HwNm_f32	10		
k_StopMode2HwVelTransThresh_HwDegpS_f32	250		
k_StopMode2Timer_Sec_u16	5		
k_StopMode2VehSpdTransThresh_Kph_f32	200		
k_StopModeAssistDD_Uls_f32	1		
target_DtrmnElapsedTime_mS_u32_ElapsedTime	4294967295		
target_GetSystemTime_mS_u32_CurrentTime	4294967295		
target_Rte_Inst_Ap_GMStrtStop_StrtStop_Per1_APAState_State_enum	target_StrtStop_Per1_APAState_State_enun	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_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	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		
Name	Actual Value	Expected Value	Result
StrtStop_SSScale_Uls_M_f32	1	1	~
StrtStop_SSSlewRatePrev_UlspS_M_f32	1	1 ± 0.1	~
StrtStop_StOpModePrevPrev_Cnt_M_enum	5	5	~
StrtStop_StOpModePrev_Cnt_M_enum	4	4	~
StrtStop_StOpMode_Cnt_M_enum	4	4	~
StrtStop_StopModeTimer1_mS_M_u32	4294967295	4294967295	~
StrtStop_StopModeTimer2_mS_M_u32	4294967295	4294967295	~
target_StrtStop_Per1_SSScale_Uls_f32.value	1	1 ± 0.0001	~
target_StrtStop_Per1_SSSlew_UlspS_f32.value	1	1 ± 0.1	~
target_StrtStop_Per1_SSState_State_enum.value	4	4	✓

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

Test Step 3.3 (Repeat Count = 1)	
Name	Input Value
DtrmnElapsedTime_mS_u32(ElapsedTime)	target_DtrmnElapsedTime_mS_u32_ElapsedTime
GetSystemTime_mS_u32(CurrentTime)	target_GetSystemTime_mS_u32_CurrentTime
Rte_Inst_Ap_GMStrtStop	target_Rte_Inst_Ap_GMStrtStop
StrtStop_SSScale_Uls_M_f32	1
StrtStop_SSSlewRatePrev_UlspS_M_f32	76.4660034





Name	Input Value			
StrtStop StOpModePrevPrev Cnt M enum	0			
StrtStop_StOpModePrev_Cnt_M_enum	4	4		
StrtStop_StOpMode_Cnt_M_enum	2			
StrtStop_StopModeTimer1_mS_M_u32	1334609408			
StrtStop_StopModeTimer2_mS_M_u32	128181248			
k_AlgEnable_Cnt_lgc	1	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_UIs_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			
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_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_enun	1		
target_Rte_Inst_Ap_GMStrtStop.StrtStop_Per1_VehicleSpeed_Kph_f32	target_StrtStop_Per1_VehicleSpeed_Kph_t	32		
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	R	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_UIs_f32.value	1	1 ± 0.0001		•
target_StrtStop_Per1_SSSlew_UlspS_f32.value	282.30249	282.30249 ± 0.1		~
target_StrtStop_Per1_SSState_State_enum.value	2	2		✓

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

Test 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





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	1		
k FltRspRampDnRt UlspS f32	217.223007	217.223007		
k Mode1AssistDD UIs f32	1			
k_Mode1AssistSlew_UlspS_f32	170.880798			
k_Mode1EngTransThresh_Rpm_f32	12757.5186			
k Mode1VehSpdTransThresh Kph f32	110.697098			
k_Mode2AssistDD_Uls_f32	1			
k Mode2AssistSlew UlspS f32	130.949402			
k_Mode2VehSpdTransThresh_Kph_f32	188.056198			
k NormalModeAssistSlew UlspS f32	207.608093			
k_NormalModeEngTransThresh_Rpm_f32	5795.51416			
k NormalModeVehSpdTransThresh Kph f32	38.9273987			
k_StopMode1AssistSlew_UlspS_f32	417.240692			
k_StopMode1HwTrqTransThresh_HwNm_f32	9.09179974			
k StopMode1HwVelTransThresh HwDegpS f32	224.356796			
k_StopMode1Timer_Sec_u16	3			
k_StopMode1VehSpdTransThres_Kph_f32	135.007599			
k StopMode2AssistSlew UlspS f32	5.19859982			
k_StopMode2HwTrqTransThresh_HwNm_f32	4.05989981			
k StopMode2HwVelTransThresh HwDegpS f32	211.678406			
k_StopMode2Timer_Sec_u16	4			
k StopMode2VehSpdTransThresh Kph f32	87.1659012			
k_StopModeAssistDD_Uls_f32	1			
target_DtrmnElapsedTime_mS_u32_ElapsedTime	12650			
target_GetSystemTime_mS_u32_CurrentTime	2800			
target_Rte_Inst_Ap_GMStrtStop_StrtStop_Per1_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_f3				
target Rte Inst Ap GMStrtStop.StrtStop Per1 HwTorque HwNm f32	target_StrtStop_Per1_HwTorque_HwNm			
target_Rte_Inst_Ap_GMStrtStop_StrtStop_Per1_SS12VFault_Cnt_lgc	target_StrtStop_Per1_SS12VFault_Cnt_I			
target_Rte_Inst_Ap_GMStrtStop_StrtStop_Per1_SSScale_Uls_f32	target_StrtStop_Per1_SSScale_Uls_f32	90		
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_Kph			
target_StrtStop_Per1_APAState_State_enum.value	2	1_102		
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			
		Expected Value	Populé	
Name StrtStop SSScale Uls M f32	Actual Value	Expected Value	Result	
StrtStop_SSSlewRatePrev_UlspS_M_f32 StrtStop_StOpModePrevPrev_Cnt_M_enum	453.798889	453.798889 ± 0.1		
StrtStop_StOpModePrev_Cnt_M_enum StrtStop_StOpModePrev_Cnt_M_enum	4	4		
StrtStop StOpMode Cnt M enum	4	4		
			, and a	
StrtStop_StopModeTimer1_mS_M_u32	2526097664	2526097664		
StrtStop_StopModeTimer2_mS_M_u32	2302875392	2302875392	· ·	
target_StrtStop_Per1_SSScale_UIs_f32.value	1	1 ± 0.0001	Ž	
target_StrtStop_Per1_SSSlew_UlspS_f32.value	453.798889	453.798889 ± 0.1	Ž	
target_StrtStop_Per1_SSState_State_enum.value	4	4		

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

Test Step 3.5 (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





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_UIs_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_UIs_f32	0.701799989			
target_DtrmnElapsedTime_mS_u32_ElapsedTime	28100			
target_GetSystemTime_mS_u32_CurrentTime	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_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_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	-75.9717026			
target StrtStop Per1 HwTorque HwNm f32.value	-0.809099972			
target_StrtStop_Per1_SS12VFault_Cnt_lgc.value	0			
target StrtStop Per1 VehicleSpeed Kph f32.value	51.7583008			
Name	Actual Value	Expected Value	Result	
StrtStop_SSScale_Uls_M_f32	1	1	~	
StrtStop SSSlewRatePrev UlspS M f32	448.061401	448.061401 ± 0.1	✓	
StrtStop_StOpModePrevPrev_Cnt_M_enum	0	0	~	
StrtStop StOpModePrev Cnt M enum	1	1	•	
StrtStop_StOpMode_Cnt_M_enum	1	1	•	
StrtStop StopModeTimer1 mS M u32	6850	6850	•	
StrtStop_StopModeTimer2_mS_M_u32	3035725312	3035725312	_	
target StrtStop Per1 SSScale Uls f32.value	1	1 ± 0.0001	~	
target StrtStop Per1 SSSIew UlspS f32.value	448.061401	448.061401 ± 0.1		
target StrtStop Per1 SSState State enum.value	1	1	V	

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

StrtStop_Per1



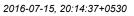


Name	Input Value		
	0		
StrtStop_StOpMode_Cnt_M_enum StrtStop_StopModeTimer4_ms_M_u22			
StrtStop_StopModeTimer2_mS_M_u32	3264295680		
StrtStop_StopModeTimer2_mS_M_u32	1346521344		
k_AlgEnable_Cnt_lgc	1		
k_FltRspRampDnRt_UlspS_f32	238.894196		
k_Mode1AssistDD_Uls_f32	0.551999986		
k_Mode1AssistSlew_UlspS_f32	98.0671005		
k_Mode1EngTransThresh_Rpm_f32	75.1091995		
k_Mode1VehSpdTransThresh_Kph_f32	0.747399986		
k_Mode2AssistDD_UIs_f32			
k_Mode2AssistSlew_UlspS_f32 k_Mode2VehSpdTransThresh_Kph_f32	266.243805		
	180.167496 0.598399997		
k_NormalModeAssistSlew_UlspS_f32			
k_NormalModeEngTransThresh_Rpm_f32	11399.3818		
k_NormalModeVehSpdTransThresh_Kph_f32	93.7679977		
k_StopMode1AssistSlew_UlspS_f32	488.170898 4.33050013		
k_StopMode1HwYrqTransThresh_HwNm_f32	173.503906		
k_StopMode1Timer_See_u16			
k_StopMode1Timer_Sec_u16	5 166.954102		
k_StopMode1VehSpdTransThres_Kph_f32 k_StopMode2AssistSlew_UlspS_f32			
	38.3325996 4.35620022		
k_StopMode2HwTrqTransThresh_HwNm_f32			
k_StopMode2HwVelTransThresh_HwDegpS_f32	166.330307		
k_StopMode2Timer_Sec_u16	5		
k_StopMode2VehSpdTransThresh_Kph_f32 k_StopModeAssistDD_Uls_f32	188.285294 0.469399989		
target DtrmnElapsedTime mS u32 ElapsedTime	33250		
target_GetSystemTime_mS_u32_CurrentTime	8200		
target_Rte_Inst_Ap_GMStrtStop_StrtStop_Per1_APAState_State_enum		m	
target_Rte_Inst_Ap_GMStrtStop.StrtStop_Per1_EngSpd_Rpm_f32	target_StrtStop_Per1_APAState_State_enum target_StrtStop_Per1_EngSpd_Rpm_f32		
target_Rte_Inst_Ap_GMStrtStop_StrtStop_Per1_HandwheelVelocity_HwRadpS_f32		lwPadnS 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		
target_StrtStop_Per1_APAState_State_enum.value		,	
target_StrtStop_Per1_EngSpd_Rpm_f32.value	16383.75		
target_StrtStop_Per1_HandwheelVelocity_HwRadpS_f32.value	-76.7904968		
target_StrtStop_Per1_HwTorque_HwNm_f32.value	-8.36240005		
target_StrtStop_Per1_SS12VFault_Cnt_lgc.value	0		
target_StrtStop_Per1_VehicleSpeed_Kph_f32.value	51.4380989		
Name	Actual Value	Expected Value	Result
StrtStop_SSScale_Uls_M_f32	0.420300007	0.420300007	~
StrtStop SSSIewRatePrev UlspS M f32	0.598399997	0.598399997 ± 0.1	~
StrtStop StOpModePrevPrev Cnt M enum	2	2	
StrtStop_StOpModePrev_Cnt_M_enum	0	0	~
StrtStop_StOpMode_Cnt_M_enum	0	0	_
StrtStop StopModeTimer1 mS M u32	3264295680	3264295680	·
StrtStop StopModeTimer2 mS M u32	1346521344	1346521344	
target StrtStop Per1 SSScale Uls f32.value	0.420300007	0.420300007 ± 0.0001	•
target_StrtStop_Per1_SSSlew_UlspS_f32.value	0.598399997	0.598399997 ± 0.1	
target_StrtStop_Per1_SSState_State_enum.value	0	0	<u> </u>

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	

StrtStop_Per1





Name	Input Value			
StrtStop_StopModeTimer1_mS_M_u32	1953966592			
StrtStop_StopModeTimer2_mS_M_u32	2470176768	2470176768		
k_AlgEnable_Cnt_lgc	1	1		
k FltRspRampDnRt UlspS f32	133.593094			
k Mode1AssistDD UIs 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 HwDeqpS f32	53.4832001			
k StopMode2Timer Sec u16	4			
k StopMode2VehSpdTransThresh Kph f32	127.954803			
_ , _ ,	0.502099991			
k_StopModeAssistDD_UIs_f32				
target_DtrmnElapsedTime_mS_u32_ElapsedTime	9550			
target_GetSystemTime_mS_u32_CurrentTime		m		
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	h. D. d. 0. 600		
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	Result	
StrtStop_SSScale_Uls_M_f32	0.452399999	0.452399999	-	
StrtStop_SSSlewRatePrev_UlspS_M_f32	230.854706	230.854706 ± 0.1	-	
StrtStop_StOpModePrevPrev_Cnt_M_enum	3	3	-	
StrtStop_StOpModePrev_Cnt_M_enum	0	0	✓	
StrtStop_StOpMode_Cnt_M_enum	0	0	-	
StrtStop_StopModeTimer1_mS_M_u32	1953966592	1953966592	✓	
StrtStop_StopModeTimer2_mS_M_u32	2470176768	2470176768	-	
target_StrtStop_Per1_SSScale_Uls_f32.value	0.452399999	0.452399999 ± 0.0001	✓	
target_StrtStop_Per1_SSSlew_UlspS_f32.value	230.854706	230.854706 ± 0.1	-	
target_StrtStop_Per1_SSState_State_enum.value	0	0	✓	

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

Test 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 Uls 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_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_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	2	
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	- TOO C
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	V
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 SSSIew UlspS f32.value	99.6003036	99.6003036 ± 0.1	-
target_StrtStop_Per1_SSState_State_enum.value	0	0	•
a.gooo.op_i or i_oootato_otato_onam.value	*	I *	_

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	



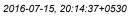


Name	Input Value		
StrtStop_StopModeTimer2_mS_M_u32	813608192		
k_AlgEnable_Cnt_lgc	1		
k_FltRspRampDnRt_UlspS_f32	228.535995		
k_Mode1AssistDD_UIs_f32	0.355300009		
k_Mode1AssistSlew_UlspS_f32	154.203201		
k_Mode1EngTransThresh_Rpm_f32	15600.4355		
k_Mode1VehSpdTransThresh_Kph_f32	61.9305992		
k_Mode2AssistDD_Uls_f32	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		
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_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	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	8064.01074		
target_StrtStop_Per1_HandwheelVelocity_HwRadpS_f32.value	98.0602036		
target_StrtStop_Per1_HwTorque_HwNm_f32.value	-0.784600019		
target_StrtStop_Per1_SS12VFault_Cnt_lgc.value	0		
target_StrtStop_Per1_VehicleSpeed_Kph_f32.value	128.8255		
Name	Actual Value	Expected Value	Result
StrtStop_SSScale_Uls_M_f32	1	1	~
StrtStop_SSSlewRatePrev_UlspS_M_f32	228.535995	228.535995 ± 0.1	✓
StrtStop_StOpModePrevPrev_Cnt_M_enum	1	1	~
StrtStop_StOpModePrev_Cnt_M_enum	3	3	✓
StrtStop_StOpMode_Cnt_M_enum	3	3	~
StrtStop_StopModeTimer1_mS_M_u32	2642360064	2642360064	~
StrtStop_StopModeTimer2_mS_M_u32	33850	33850	~
target_StrtStop_Per1_SSScale_Uls_f32.value	1	1 ± 0.0001	~
target_StrtStop_Per1_SSSlew_UlspS_f32.value	228.535995	228.535995 ± 0.1	~
target_StrtStop_Per1_SSState_State_enum.value	3	3	•

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

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

StrtStop_Per1



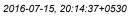


Name	Input Value		
StrtStop_StopModeTimer2_mS_M_u32	813608192		
k AlgEnable Cnt lgc	1		
k FltRspRampDnRt UlspS f32	228.535995		
k Mode1AssistDD UIs f32	0.355300009		
k Mode1AssistSlew UlspS f32	154.203201		
k Mode1EngTransThresh Rpm f32	15600.4355		
k Mode1VehSpdTransThresh Kph f32	61.9305992		
k_Mode2AssistDD_UIs_f32	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		
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_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		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_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	0		
target_StrtStop_Per1_EngSpd_Rpm_f32.value	8064.01074		
target_StrtStop_Per1_HandwheelVelocity_HwRadpS_f32.value	98.0602036		
target StrtStop Per1 HwTorque HwNm f32.value	-0.784600019		
target StrtStop Per1 SS12VFault Cnt lgc.value	0		
target_StrtStop_Per1_VehicleSpeed_Kph_f32.value	128.8255		
Name	Actual Value	Expected Value	Result
StrtStop SSScale Uls M f32	0.753199995	0.753199995	/ / / / / / / / / / / / / / / / / / /
StrtStop SSSlewRatePrev UlspS M f32	228.535995	228.535995 ± 0.1	
StrtStop StOpModePrevPrev Cnt M enum	3	3	
StrtStop_StOpModePrev_Cnt_M_enum	5	5	·
StrtStop_StOpMode_Cnt_M_enum	5	5	
StrtStop StopModeTimer1 mS M u32	2642360064	2642360064	
StrtStop StopModeTimer2 mS M u32	813608192	813608192	
target StrtStop Per1 SSScale Uls f32.value	0.753199995	0.753199995 ± 0.0001	
target StrtStop Per1 SSSlew UlspS f32.value	228.535995	228.535995 ± 0.1	
target_StrtStop_Per1_SSState_State_enum.value	5	5	_
targot_otrolop_r or 1_000tate_otate_enum.value	9	9	

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





Carotop_r crr				
Name	Input Value			
k_AlgEnable_Cnt_lgc	0			
k_FltRspRampDnRt_UlspS_f32	130.484497			
k_Mode1AssistDD_UIs_f32	1			
k_Mode1AssistSlew_UlspS_f32	340.554108			
k_Mode1EngTransThresh_Rpm_f32	14888.3496			
k_Mode1VehSpdTransThresh_Kph_f32	114.898399			
k_Mode2AssistDD_UIs_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_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	m		
target_Rte_Inst_Ap_GMStrtStop.StrtStop_Per1_EngSpd_Rpm_f32	target_StrtStop_Per1_EngSpd_Rpm_f32			
$target_Rte_Inst_Ap_GMStrtStop_StrtStop_Per1_HandwheelVelocity_HwRadpS_f32000000000000000000000000000000000000$	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_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	32		
target_StrtStop_Per1_APAState_State_enum.value	2			
target_StrtStop_Per1_EngSpd_Rpm_f32.value	12299.8311			
target_StrtStop_Per1_HandwheelVelocity_HwRadpS_f32.value	-30.0855999			
target_StrtStop_Per1_HwTorque_HwNm_f32.value	-7.65990019			
target_StrtStop_Per1_SS12VFault_Cnt_lgc.value	1			
target_StrtStop_Per1_VehicleSpeed_Kph_f32.value	130.206894			
Name	Actual Value	Expected Value	R	Result
StrtStop_SSScale_Uls_M_f32	1	1		•
StrtStop_SSSlewRatePrev_UlspS_M_f32	500	500 ± 0.1		•
StrtStop_StOpModePrevPrev_Cnt_M_enum	0	0		•
StrtStop_StOpModePrev_Cnt_M_enum	5	5		•
StrtStop_StOpMode_Cnt_M_enum	5	5		•
StrtStop_StopModeTimer1_mS_M_u32	3376435200	3376435200		•
StrtStop_StopModeTimer2_mS_M_u32	390962688	390962688		•
target_StrtStop_Per1_SSScale_Uls_f32.value	1	1 ± 0.0001		•
target_StrtStop_Per1_SSSlew_UlspS_f32.value	500	500 ± 0.1		•
target_StrtStop_Per1_SSState_State_enum.value	5	5		•

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

Test Step 3.13 (Repeat Count = 1)		✓
Name	Input Value	
DtrmnElapsedTime_mS_u32(ElapsedTime)	target_DtrmnElapsedTime_mS_u32_ElapsedTime	
GetSystemTime_mS_u32(CurrentTime)	target_GetSystemTime_mS_u32_CurrentTime	
Rte_Inst_Ap_GMStrtStop	target_Rte_Inst_Ap_GMStrtStop	
StrtStop_SSScale_Uls_M_f32	0.067400001	
StrtStop_SSSlewRatePrev_UlspS_M_f32	85.2277985	
StrtStop_StOpModePrevPrev_Cnt_M_enum	2	
StrtStop_StOpModePrev_Cnt_M_enum	3	
StrtStop_StOpMode_Cnt_M_enum	1	
StrtStop_StopModeTimer1_mS_M_u32	3319701760	
StrtStop_StopModeTimer2_mS_M_u32	3910862592	
k_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_Uls_f32	1			
k_Mode2AssistSlew_UlspS_f32	429.993896			
k_Mode2VehSpdTransThresh_Kph_f32	107.842796			
k_NormalModeAssistSlew_UlspS_f32	152.309601			
k_NormalModeEngTransThresh_Rpm_f32	16383.75			
k_NormalModeVehSpdTransThresh_Kph_f32	151.669296			
k_StopMode1AssistSlew_UlspS_f32	430.902313			
k_StopMode1HwTrqTransThresh_HwNm_f32	5.67670012			
k StopMode1HwVelTransThresh HwDegpS f32	153.605804			
k StopMode1Timer Sec u16	2			
k StopMode1VehSpdTransThres Kph f32	111.957298			
k_StopMode2AssistSlew_UlspS_f32	337.678009			
k_StopMode2HwTrqTransThresh_HwNm_f32	6.5243001			
k StopMode2HwVelTransThresh HwDegpS f32	198.719498			
k StopMode2Timer Sec u16	2			
k_StopMode2VehSpdTransThresh_Kph_f32	13.4162998			
k_StopModeAssistDD_Uls_f32	0.110200003			
target DtrmnElapsedTime mS u32 ElapsedTime	228950			
target GetSystemTime mS u32 CurrentTime	59500			
target_Rte_Inst_Ap_GMStrtStop_StrtStop_Per1_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:		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	•		
target_Rte_Inst_Ap_GMStrtStop.StrtStop_Per1_VehicleSpeed_Kph_f32	target_StrtStop_Per1_VehicleSpeed_Kph_f			
target StrtStop Per1 APAState State enum.value	2	J2		
target_StrtStop_Per1_EngSpd_Rpm_f32.value	3375.54028			
	3.9684			
target_StrtStop_Per1_HandwheelVelocity_HwRadpS_f32.value	3.0165			
target_StrtStop_Per1_HwTorque_HwNm_f32.value	0			
target_StrtStop_Per1_SS12VFault_Cnt_lgc.value	196.765305			
target_StrtStop_Per1_VehicleSpeed_Kph_f32.value		I=	1.	
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		•
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	





Name	Input Value		
k_FltRspRampDnRt_UlspS_f32	398.398407		
k_Mode1AssistDD_UIs_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		
target GetSystemTime mS u32 CurrentTime	200		
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		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_enum	target_StrtStop_Per1_SSState_State_enun	1	
target_Rte_Inst_Ap_GMStrtStop_StrtStop_Per1_VehicleSpeed_Kph_f32	target_StrtStop_Per1_VehicleSpeed_Kph_t		
target StrtStop Per1 APAState State enum.value	0	<u> </u>	
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
	0.58920002	0.58920002	Resu
StrtStop_SSScale_UIs_M_f32			
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	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	

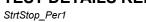




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Name	Input Value			
k_FltRspRampDnRt_UlspS_f32	40.9292984			
k_Mode1AssistDD_UIs_f32	1			
k_Mode1AssistSlew_UlspS_f32	244.007095			
k_Mode1EngTransThresh_Rpm_f32	5417.76855			
k_Mode1VehSpdTransThresh_Kph_f32	167.1259			
k_Mode2AssistDD_Uls_f32	1			
k_Mode2AssistSlew_UlspS_f32	277.308289			
k_Mode2VehSpdTransThresh_Kph_f32	48.9742012			
k_NormalModeAssistSlew_UlspS_f32	403.903503			
k_NormalModeEngTransThresh_Rpm_f32	8329.90332			
k_NormalModeVehSpdTransThresh_Kph_f32	65.1162033			
k_StopMode1AssistSlew_UlspS_f32	493.097504			
k_StopMode1HwTrqTransThresh_HwNm_f32	0			
k StopMode1HwVelTransThresh HwDegpS f32	200.300003			
k StopMode1Timer Sec u16	3			
k StopMode1VehSpdTransThres Kph f32	1.06289995			
k StopMode2AssistSlew UlspS f32	90.2769012			
k_StopMode2HwTrqTransThresh_HwNm_f32	2.75559998			
k StopMode2HwVelTransThresh HwDegpS f32	162.353699			
k StopMode2Timer Sec u16	0			
k_StopMode2VehSpdTransThresh_Kph_f32	181.737701			
k_StopModeAssistDD_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_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_Igc	target_StrtStop_Per1_SS12VFault_Cnt_lgc			
target_Rte_Inst_Ap_GMStrtStop_StrtStop_Per1_SSScale_Uls_f32	target_StrtStop_Per1_SSS12VFault_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_f			
target StrtStop Per1 APAState State enum.value	4	JL .		
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			
		Fynantad Value		Danul
Name	Actual Value	Expected Value		Resul
StrtStop_SSScale_Uls_M_f32	1	1		•
StrtStop_SSSlewRatePrev_UlspS_M_f32	244.007095	244.007095 ± 0.1		•
StrtStop_StOpModePrevPrev_Cnt_M_enum	0	0		•
StrtStop_StOpModePrev_Cnt_M_enum	1	1		•
StrtStop_StOpMode_Cnt_M_enum	1	1		•
StrtStop_StopModeTimer1_mS_M_u32	2434468096	2434468096		•
StrtStop_StopModeTimer2_mS_M_u32	533540608	533540608		•
target_StrtStop_Per1_SSScale_Uls_f32.value	1	1 ± 0.0001		•
target_StrtStop_Per1_SSSlew_UlspS_f32.value	244.007095	244.007095 ± 0.1		•
target_StrtStop_Per1_SSState_State_enum.value	1	1		•

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

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





Name	Input Value			
k_FitRspRampDnRt_UlspS_f32	303.569489	303.569489		
k_Mode1AssistDD_Uls_f32	0.472499996			
k Mode1AssistSlew UlspS f32	33.7519989	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			
	275300			
target_DtrmnElapsedTime_mS_u32_ElapsedTime				
target_GetSystemTime_mS_u32_CurrentTime	71650	_		
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_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	2		
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	0.646099985	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	V	

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	



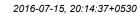


Name	Input Value		
k FltRspRampDnRt UlspS f32	211.528		
k_Mode1AssistDD_UIs_f32	1		
k Mode1AssistSlew UlspS f32	448.971008		
k Mode1EngTransThresh Rpm f32	13789.4102		
k_Mode1VehSpdTransThresh_Kph_f32	174.196503		
k_Mode2AssistDD_Uls_f32	1		
k Mode2AssistSlew UlspS f32	279.053406		
k Mode2VehSpdTransThresh 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		
	0		
k_StopModeAssistDD_UIs_f32			
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_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:	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	Resul
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





Name	Input Value			
k_FltRspRampDnRt_UlspS_f32	174.674301			
k Mode1AssistDD UIs f32	0.670400023			
k Mode1AssistSlew UlspS f32	121.368401			
k_Mode1EngTransThresh_Rpm_f32	2777.70532			
k Mode1VehSpdTransThresh Kph f32	120.925201			
k Mode2AssistDD Uls f32	1			
k Mode2AssistSlew UlspS f32	405.828094			
k_Mode2VehSpdTransThresh_Kph_f32	40.1088982			
k NormalModeAssistSlew UlspS f32	114.311203			
k NormalModeEngTransThresh Rpm f32	4393.86719			
k NormalModeVehSpdTransThresh Kph f32	200			
k StopMode1AssistSlew UlspS f32	189.814697			
k StopMode1HwTrqTransThresh HwNm f32	2.41779995			
k StopMode1HwVelTransThresh HwDegpS f32	211.332993			
k StopMode1Timer Sec u16	2			
k StopMode1VehSpdTransThres Kph f32	12.6588001			
k StopMode2AssistSlew UlspS f32	409.326691			
k StopMode2HwTrqTransThresh HwNm f32	7.92110014			
k StopMode2HwVelTransThresh HwDegpS f32	157.520706			
k StopMode2Timer Sec u16	3			
k_StopMode2VehSpdTransThresh_Kph_f32	117.746902			
k_StopModeAssistDD_Uls_f32	0.269400001			
target DtrmnElapsedTime mS u32 ElapsedTime	337100			
target_GetSystemTime_mS_u32_CurrentTime	87850			
target_Rte_Inst_Ap_GMStrtStop.StrtStop_Per1_APAState_State_enum	target_StrtStop_Per1_APAState_State_enu	m		
target_Rte_Inst_Ap_GMStrtStop.StrtStop_Per1_EngSpd_Rpm_f32		III		
target_Rte_Inst_Ap_GMStrtStop.StrtStop_Per1_HandwheelVelocity_HwRadpS_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_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			
target StrtStop Per1 APAState State enum.value	2	32		
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			
· -	0.31449900			
target_StrtStop_Per1_SS12VFault_Cnt_lgc.value target_StrtStop_Per1_VehicleSpeed_Kph_f32.value	111.357002			
		I=		
Name	Actual Value	Expected Value		Result
StrtStop_SSScale_Uls_M_f32	1	1		
StrtStop_SSSlewRatePrev_UlspS_M_f32	28.9195004	28.9195004 ± 0.1		•
StrtStop_StOpModePrevPrev_Cnt_M_enum	1	1		•
StrtStop_StOpModePrev_Cnt_M_enum	0	0		•
StrtStop_StOpMode_Cnt_M_enum	0	0		•
StrtStop_StopModeTimer1_mS_M_u32	2440377344	2440377344		•
StrtStop_StopModeTimer2_mS_M_u32	1342562816	1342562816		•
target_StrtStop_Per1_SSScale_Uls_f32.value	1	1 ± 0.0001		•
target_StrtStop_Per1_SSSlew_UlspS_f32.value	28.9195004	28.9195004 ± 0.1		~
target_StrtStop_Per1_SSState_State_enum.value	0	0		•

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

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





Name	Input Value		
k_FltRspRampDnRt_UlspS_f32	262.386597		
k_Mode1AssistDD_Uls_f32	0.246600002		
k_Mode1AssistSlew_UlspS_f32	493.750488		
k_Mode1EngTransThresh_Rpm_f32	7338.1582		
k Mode1VehSpdTransThresh Kph f32	199.328598		
k Mode2AssistDD Uls f32	1		
k Mode2AssistSlew UlspS f32	144.6073		
k Mode2VehSpdTransThresh Kph f32	178.4758		
k NormalModeAssistSlew UlspS f32	375.938599		
k NormalModeEngTransThresh Rpm f32	11935.1592		
k NormalModeVehSpdTransThresh Kph f32	186.938599		
k StopMode1AssistSlew UlspS f32	22.7310009		
k_StopMode1HwTrqTransThresh_HwNm_f32	8.77000046		
k StopMode1HwVelTransThresh HwDegpS f32	34.6884003		
k StopMode1Timer Sec u16	2		
k StopMode1VehSpdTransThres Kph f32	137.332199		
k StopMode2AssistSlew UlspS f32	29.7133999		
k_StopMode2HwTrqTransThresh_HwNm_f32	6.62190008		
k StopMode2HwVelTransThresh HwDegpS f32	124.748596		
k StopMode2Timer Sec u16	0		
k_StopMode2VehSpdTransThresh_Kph_f32	0		
k_StopModeAssistDD_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		m	
target_Rte_Inst_Ap_GMStrtStop.StrtStop_Per1_EngSpd_Rpm_f32	target_StrtStop_Per1_APAState_State_enum		
target_rte_inst_Ap_GMStrtStop.StrtStop_Per1_HandwheelVelocity_HwRadpS_f32	target_StrtStop_Per1_EngSpd_Rpm_f32	Jupadas 122	
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	2		
target_StrtStop_Per1_EngSpd_Rpm_f32.value	0		
target_StrtStop_Per1_HandwheelVelocity_HwRadpS_f32.value	81.9309998		
target_StrtStop_Per1_HwTorque_HwNm_f32.value	5.31759977		
target_StrtStop_Per1_SS12VFault_Cnt_lgc.value	0		
target_StrtStop_Per1_VehicleSpeed_Kph_f32.value	0		
Name	Actual Value	Expected Value	Res
StrtStop_SSScale_Uls_M_f32	1	1	
StrtStop_SSSlewRatePrev_UlspS_M_f32	99.3861008	99.3861008 ± 0.1	
StrtStop_StOpModePrevPrev_Cnt_M_enum	2	2	
StrtStop_StOpModePrev_Cnt_M_enum	3	3	
StrtStop_StOpMode_Cnt_M_enum	3	3	
StrtStop_StopModeTimer1_mS_M_u32	2513260032	2513260032	
StrtStop_StopModeTimer2_mS_M_u32	3482545152	3482545152	
target_StrtStop_Per1_SSScale_Uls_f32.value	1	1 ± 0.0001	
target_StrtStop_Per1_SSSlew_UlspS_f32.value	99.3861008	99.3861008 ± 0.1	
target_StrtStop_Per1_SSState_State_enum.value	3	3	

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

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





Name	Input Value			
k_FltRspRampDnRt_UlspS_f32	347.56781			
k_Mode1AssistDD_Uls_f32	1			
k_Mode1AssistSlew_UlspS_f32	125.973701	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_UIspS_f32	362.158905			
k_NormalModeEngTransThresh_Rpm_f32	7898.78516			
k_NormalModeVehSpdTransThresh_Kph_f32	163.250198			
k_StopMode1AssistSlew_UlspS_f32	293.488312			
k StopMode1HwTrqTransThresh HwNm f32	2.67420006			
k StopMode1HwVelTransThresh HwDegpS f32	86.1949997			
k StopMode1Timer Sec u16	2			
k StopMode1VehSpdTransThres Kph f32	90.8057022			
k_StopMode2AssistSlew_UlspS_f32	227.143402			
k_StopMode2HwTrqTransThresh_HwNm_f32	0			
k StopMode2HwVelTransThresh HwDegpS f32	123.165199			
k_StopMode2Timer_Sec_u16	4			
k_StopMode2VehSpdTransThresh_Kph_f32	187.138306			
k StopModeAssistDD Uls f32	1			
target DtrmnElapsedTime mS u32 ElapsedTime	378300			
target GetSystemTime mS u32 CurrentTime	98650			
target Rte Inst Ap GMStrtStop.StrtStop Per1 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_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	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	6.61429977			
target_StrtStop_Per1_SS12VFault_Cnt_lgc.value	0			
target_StrtStop_Per1_VehicleSpeed_Kph_f32.value	0			
		Former et al Welling	B	
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	3	3	•	
StrtStop_StOpMode_Cnt_M_enum	3	3	,	
StrtStop_StopModeTimer1_mS_M_u32	1258847232	1258847232	•	
StrtStop_StopModeTimer2_mS_M_u32	1908664832	1908664832	•	
target_StrtStop_Per1_SSScale_Uls_f32.value	1	1 ± 0.0001	~	
target_StrtStop_Per1_SSSlew_UlspS_f32.value	1	1 ± 0.1	•	
target_StrtStop_Per1_SSState_State_enum.value	3	3	-	

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

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

StrtStop_Per1

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Name	Input Value			
k_FltRspRampDnRt_UlspS_f32	490.715088			
k Mode1AssistDD Uls f32	0.656099975			
k Mode1AssistSlew UlspS f32	476.726715			
k Mode1EngTransThresh Rpm f32	5330.61426			
k_Mode1VehSpdTransThresh_Kph_f32	77.035202			
k Mode2AssistDD 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 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	ım		
target_Rte_Inst_Ap_GMStrtStop_StrtStop_Per1_EngSpd_Rpm_f32	target_StrtStop_Per1_EngSpd_Rpm_f32	IIII		
target_rte_inst_Ap_GMStrtStop.StrtStop_Per1_HandwheelVelocity_HwRadpS_f32		HwPadnS 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_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	-3.01349998			
target_StrtStop_Per1_HwTorque_HwNm_f32.value	0			
target_StrtStop_Per1_SS12VFault_Cnt_lgc.value	0			
target_StrtStop_Per1_VehicleSpeed_Kph_f32.value	-	I=		1
Name	Actual Value	Expected Value		Result
StrtStop_SSScale_Uls_M_f32	0.33039999	0.33039999		•
StrtStop_SSSlewRatePrev_UlspS_M_f32	490.715088	490.715088 ± 0.1		•
StrtStop_StOpModePrevPrev_Cnt_M_enum	0	0		•
StrtStop_StOpModePrev_Cnt_M_enum	2	2		•
StrtStop_StOpMode_Cnt_M_enum	2	2		•
StrtStop_StopModeTimer1_mS_M_u32	2943700736	2943700736		•
StrtStop_StopModeTimer2_mS_M_u32	3128624384	3128624384		•
target_StrtStop_Per1_SSScale_Uls_f32.value	0.33039999	0.33039999 ± 0.0001		•
target_StrtStop_Per1_SSSlew_UlspS_f32.value	490.715088	490.715088 ± 0.1		~
target StrtSton Per1 SSState State enum value)	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	✓	

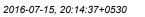
2

2

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

target_StrtStop_Per1_SSState_State_enum.value

StrtStop_Per1





Name	Input Value			
k_FltRspRampDnRt_UlspS_f32	303.569489			
k_Mode1AssistDD_Uls_f32	0.472499996			
k_Mode1AssistSlew_UlspS_f32	33.7519989			
k_Mode1EngTransThresh_Rpm_f32	10512.6104			
k Mode1VehSpdTransThresh Kph f32	94.392601			
k Mode2AssistDD Uls f32	1			
k Mode2AssistSlew UlspS f32	76.805397			
k Mode2VehSpdTransThresh Kph f32	96.4353027			
k NormalModeAssistSlew UlspS f32	108.036797			
k NormalModeEngTransThresh Rpm f32	1426.18835			
k NormalModeVehSpdTransThresh Kph f32	185.755005			
k StopMode1AssistSlew UlspS f32	487.796997			
k_StopMode1HwTrqTransThresh_HwNm_f32	10			
k StopMode1HwVelTransThresh HwDegpS f32	225.630005			
k StopMode1Timer Sec u16	2			
k StopMode1VehSpdTransThres Kph f32	29.8455009			
k StopMode2AssistSlew UlspS f32	452.691498			
k_StopMode2HwTrqTransThresh_HwNm_f32	4.16900015			
k StopMode2HwVelTransThresh HwDegpS f32	83.3983994			
k StopMode2Timer Sec u16	4			
k_StopMode2VehSpdTransThresh_Kph_f32	44.0306015			
k_StopModeAssistDD_Uls_f32	0.646099985			
target DtrmnElapsedTime mS u32 ElapsedTime	0			
target GetSystemTime mS u32 CurrentTime	71650			
target_Rte_Inst_Ap_GMStrtStop.StrtStop_Per1_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 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_f			
target StrtStop Per1 APAState State enum.value	0	JZ		
target_StrtStop_Per1_EngSpd_Rpm_f32.value	15.3599997			
	0			
target_StrtStop_Per1_HandwheelVelocity_HwRadpS_f32.value target_StrtStop_Per1_HwTorque_HwNm_f32.value	-1.05719995			
	0			
target_StrtStop_Per1_SS12VFault_Cnt_lgc.value	5.36000013			
target_StrtStop_Per1_VehicleSpeed_Kph_f32.value		I=		I
Name	Actual Value	Expected Value		Resul
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	





Nama	Inmut Value		
Name	Input Value		
k_FitRspRampDnRt_UlspS_f32	282.30249		
k_Mode1AssistDD_UIs_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_UIs_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_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_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	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	Res
StrtStop SSScale Uls M f32	1	1	Res
StriStop_SSScale_Ois_ivi_isz StrtStop_SSSlewRatePrev_UlspS_M_f32	282.30249	282.30249 ± 0.1	
StrtStop_StOpModePrevPrev Cnt M enum	4	4	
· - · - ·	0	0	
StrtStop_StOpModePrev_Cnt_M_enum		1	
StrtStop_StopMode_Cnt_M_enum	0	0	
StrtStop_StopModeTimer1_mS_M_u32	1334609408	1334609408	
StrtStop_StopModeTimer2_mS_M_u32	128181248	128181248	
target_StrtStop_Per1_SSScale_Uls_f32.value	1	1 ± 0.0001	
target_StrtStop_Per1_SSSlew_UlspS_f32.value	282.30249	282.30249 ± 0.1	
target_StrtStop_Per1_SSState_State_enum.value	0	0	

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

Test Step 3.24 (Repeat Count = 1)		V
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	





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_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	

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	✓
SlowPateCalc	1	SlowPateCalc	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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StrtStop_Init1

 Project
 GMStrtStop2

 Module
 GMStrtStop

 Test Object
 StrtStop_Init1

Instrumentation: Test Object Only

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

Statistics

Total Testcases	1	
Successful	1	✓
Failed	0	
Not Executed	0	

Module Properties

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

Comments/Descript	
Name Module 'GMStrtStop'	Text Warm 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	<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	<pre>\$(PROJECTROOT)\UnitTestEnv\static_build_files\sys_link.cmd</pre>
Makefile Template	\$(PROJECTROOT)\UnitTestEnv\config\Nexteer_ts_make_ude_ti_tms570_ps.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



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

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_ps.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 TS2.5 60.00 Cycles TS2.6 60.00 Cycles TS2.7 60.00 Cycles TS2.8 60.00 Cycles TS2.8 60.00 Cycles TS2.9 44.00 Cycles TS2.11 44.00 Cycles TS2.11 44.00 Cycles TS2.12 44.00 Cycles TS2.13 60.00 Cycles TS2.13 60.00 Cycles TS2.13 60.00 Cycles TS2.14 60.00 Cycles TS2.15 60.00 Cycles TS2.16 60.00 Cycles TS2.17 60.00 Cycles TS2.18 60.00 Cycles TS2.19 44.00 Cycles TS2.20 60.00 Cycles

Description Vector Description

TS2.1All Min

TS2.2All 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
StrtStop StOpModePrey Cnt M enum	0	0	✓

Test Step 2.2 (Repeat Count = 1)			✓
Name	Input Value		
StrtStop_StOpModePrevPrev_Cnt_M_enum	5		
StrtStop_StOpModePrev_Cnt_M_enum	5		
StrtStop_StOpMode_Cnt_M_enum	5		
Name	Actual Value	Expected Value	Result
StrtStop_StOpModePrev_Cnt_M_enum	5	5	•

Test Step 2.3 (Repeat Count = 1)			✓
Name	Input Value		
StrtStop_StOpModePrevPrev_Cnt_M_enum	0		
StrtStop_StOpModePrev_Cnt_M_enum	2		
StrtStop_StOpMode_Cnt_M_enum	0		
Name	Actual Value	Expected Value	Result
StrtStop_StOpModePrev_Cnt_M_enum	2	2	~

Test Step 2.4 (Repeat Count = 1)	✓
Name	Input Value
StrtStop_StOpModePrevPrev_Cnt_M_enum	5
StrtStop_StOpModePrev_Cnt_M_enum	1

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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	~





Test Step 2.18 (Repeat Count = 1)			✓
Name	Input Value		
StrtStop_StOpModePrevPrev_Cnt_M_enum	3		
StrtStop_StOpModePrev_Cnt_M_enum	5		
StrtStop_StOpMode_Cnt_M_enum	3		
Name	Actual Value	Expected Value	Result
StrtStop_StOpModePrev_Cnt_M_enum	5	5	~

Test Step 2.19 (Repeat Count = 1)			✓
Name	Input Value		
StrtStop_StOpModePrevPrev_Cnt_M_enum	4		
StrtStop_StOpModePrev_Cnt_M_enum	4		
StrtStop_StOpMode_Cnt_M_enum	4		
Name	Actual Value	Expected Value	Result
StrtStop_StOpModePrev_Cnt_M_enum	4	4	~

Test Step 2.20 (Repeat Count = 1)			✓
Name	Input Value		
StrtStop_StOpModePrevPrev_Cnt_M_enum	5		
StrtStop_StOpModePrev_Cnt_M_enum	0		
StrtStop_StOpMode_Cnt_M_enum	5		
Name	Actual Value	Expected Value	Result
StrtStop_StOpModePrev_Cnt_M_enum	0	0	~

Test Case 3: Path Test 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	~

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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)\tinclude

lame	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
	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
	Test Date: //13/2016 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_ps.tpl		
Target Install Path	\$(ProgramFiles)\pls\UDE 4.4		
Time Unit	Cycles		
Timer Enabled	false		

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SlewRateCalc



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
TS2.16 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==>Miax 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==>Max
TS2.32k_StopMode2AssistSlew_UlspS_f32==>Pos / Default

Test Step 2.1 (Repeat Count = 1)		✓
Name	Input Value	
StrtStop_StOpModePrev_Cnt_M_enum	0	
StrtStop_StOpMode_Cnt_M_enum	0	
k_FltRspRampDnRt_UlspS_f32	0.100000001	
k_Mode1AssistSlew_UlspS_f32	0.100000001	
k_Mode2AssistSlew_UlspS_f32	0.100000001	
k_NormalModeAssistSlew_UlspS_f32	0.100000001	
k_StopMode1AssistSlew_UlspS_f32	0.100000001	
k_StopMode2AssistSlew_UlspS_f32	0.100000001	
Name	Actual Value Expected	Value Result
SlewRateCalc()	0.100000001 0.100000000	1

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	✓

Fest 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()	0.10000001	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)			V
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_FitRspRampDnRt_UlspS_f32	41.1204987		
k_Mode1AssistSlew_UlspS_f32	80.4652023		
k_Mode2AssistSlew_UlspS_f32	376.119507		
k_NormalModeAssistSlew_UlspS_f32	0.100000001		
k_StopMode1AssistSlew_UlspS_f32	315.041809		
k_StopMode2AssistSlew_UlspS_f32	205.487396		
Name	Actual Value	Expected Value	Result
SlewRateCalc()	0.100000001	0.100000001	~

Test Step 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	0.100000001		
k_StopMode2AssistSlew_UlspS_f32	462.653687		
Name	Actual Value	Expected Value	Result
SlewRateCalc()	0.100000001	0.100000001	✓

Test Step 2.22 (Repeat Count = 1)			✓
Name	Input Value		
StrtStop_StOpModePrev_Cnt_M_enum	1		
StrtStop_StOpMode_Cnt_M_enum	2		
k_FltRspRampDnRt_UlspS_f32	178.932907		
k_Mode1AssistSlew_UlspS_f32	206.854904		
k_Mode2AssistSlew_UlspS_f32	45.1292		
k_NormalModeAssistSlew_UlspS_f32	272.269287		
k_StopMode1AssistSlew_UlspS_f32	500		
k_StopMode2AssistSlew_UlspS_f32	310.763		
Name	Actual Value	Expected Value	Result
SlewRateCalc()	500	500	

Test Step 2.23 (Repeat Count = 1)			✓
Name	Input Value		
StrtStop_StOpModePrev_Cnt_M_enum	1		
StrtStop_StOpMode_Cnt_M_enum	2		
k_FltRspRampDnRt_UlspS_f32	75.225502		
k_Mode1AssistSlew_UlspS_f32	357.106689		
k_Mode2AssistSlew_UlspS_f32	15.6032		
k_NormalModeAssistSlew_UlspS_f32	459.0065		
k_StopMode1AssistSlew_UlspS_f32	0.80000012		
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()	0.10000001	0.100000001	✓



Test Step 2.25 (Repeat Count = 1)			V
Name	Input Value		
StrtStop_StOpModePrev_Cnt_M_enum	1		
StrtStop_StOpMode_Cnt_M_enum	1		
k_FltRspRampDnRt_UlspS_f32	500		
k_Mode1AssistSlew_UlspS_f32	317.259308		
k_Mode2AssistSlew_UlspS_f32	395.87561		
k_NormalModeAssistSlew_UlspS_f32	339.68399		
k_StopMode1AssistSlew_UlspS_f32	53.8843002		
k_StopMode2AssistSlew_UlspS_f32	240.521103		
Name	Actual Value	Expected Value	Result
SlewRateCalc()	500	500	~

Test Step 2.26 (Repeat Count = 1)			✓
Name	Input Value		
StrtStop_StOpModePrev_Cnt_M_enum	4		
StrtStop_StOpMode_Cnt_M_enum	5		
k_FltRspRampDnRt_UlspS_f32	5		
k_Mode1AssistSlew_UlspS_f32	104.067398		
k_Mode2AssistSlew_UlspS_f32	148.996506		
k_NormalModeAssistSlew_UlspS_f32	251.779205		
k_StopMode1AssistSlew_UlspS_f32	392.803192		
k_StopMode2AssistSlew_UlspS_f32	110.001999		
Name	Actual Value	Expected Value	Result
SlewRateCalc()	5	5	~

Test Step 2.27 (Repeat Count = 1)			✓
Name	Input Value		
StrtStop_StOpModePrev_Cnt_M_enum	2		
StrtStop_StOpMode_Cnt_M_enum	3		
k_FltRspRampDnRt_UlspS_f32	45.0014		
k_Mode1AssistSlew_UlspS_f32	93.2742004		
k_Mode2AssistSlew_UlspS_f32	0.10000001		
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()	0.10000001	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()	0.40000006	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
TS3.3 86.00 Cycles
TS3.4 87.00 Cycles
TS3.5 118.00 Cycles
TS3.6 85.00 Cycles
TS3.7 77.00 Cycles
TS3.8 111.00 Cycles
TS3.9 76.00 Cycles
TS3.10 98.00 Cycles
TS3.11 131.00 Cycles
TS3.12 97.00 Cycles
TS3.13 108.00 Cycles
TS3.14 87.00 Cycles
```

Description

```
Vector Description
```

```
TS3.1"switch (StrtStop_StOpModePrev_Cnt_M_enum):
case SS_Normal:
(StrtStop_StOpMode_Cnt_M_enum == SS_Intermediate1)=false"
TS3.2"switch (StrtStop_StOpModePrev_Cnt_M_enum) case default :"
 TS3.3"case SS_Intermediate1:
(StrtStop\_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 :
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	✓

Name	Input Value		
StrtStop_StOpModePrev_Cnt_M_enum	5		
StrtStop_StOpMode_Cnt_M_enum	5		
k_FltRspRampDnRt_UlspS_f32	500		
C_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	0.10000001		
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()	0.10000001	0.10000001	~

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	0.10000001		
k_StopMode1AssistSlew_UlspS_f32	315.041809		
k_StopMode2AssistSlew_UlspS_f32	205.487396		
Name	Actual Value	Expected Value	Result
SlewRateCalc()	0.10000001	0.10000001	~

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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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	337.529602			
k_NormalModeAssistSlew_UlspS_f32	2	2			
k_StopMode1AssistSlew_UlspS_f32	78.3917999				
k_StopMode2AssistSlew_UlspS_f32	57.514801				
Name	Actual Value	Expected Value	Result		
SlewRateCalc()	2	2	✓		

Test Step 3.13 (Repeat Count = 1)				
Name	Input Value			
StrtStop_StOpModePrev_Cnt_M_enum	1			
StrtStop_StOpMode_Cnt_M_enum	2			
k_FltRspRampDnRt_UlspS_f32	227.612701			
k_Mode1AssistSlew_UlspS_f32	205.505707			
k_Mode2AssistSlew_UlspS_f32	128.645401			
k_NormalModeAssistSlew_UlspS_f32	11.4350004			
k_StopMode1AssistSlew_UlspS_f32	0.100000001			
k_StopMode2AssistSlew_UlspS_f32	462.653687			
Name	Actual Value	Expected Value	Result	
SlewRateCalc()	0.100000001	0.100000001	~	

Test Step 3.14 (Repeat Count = 1)				
Name	Input Value			
StrtStop_StOpModePrev_Cnt_M_enum	3			
StrtStop_StOpMode_Cnt_M_enum	2			
k_FltRspRampDnRt_UlspS_f32	231.452896			
k_Mode1AssistSlew_UlspS_f32	229.497894			
k_Mode2AssistSlew_UlspS_f32	170.709793			
k_NormalModeAssistSlew_UlspS_f32	202.881393			
k_StopMode1AssistSlew_UlspS_f32	417.214508			
k_StopMode2AssistSlew_UlspS_f32	0.100000001			
Name	Actual Value	Expected Value	Result	
SlewRateCalc()	0.100000001	0.100000001	~	