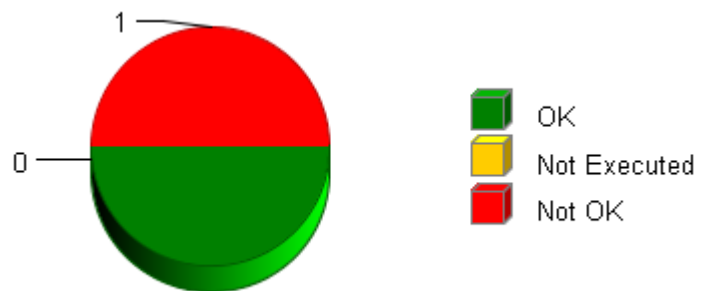


Summary

Total Test Objects: 2
Successful: 1
Failed: 1
Not Executed: 0
Date: 2015-09-01
Time: 17:22:46+0530

Overall Test Object Results (including Coverage)



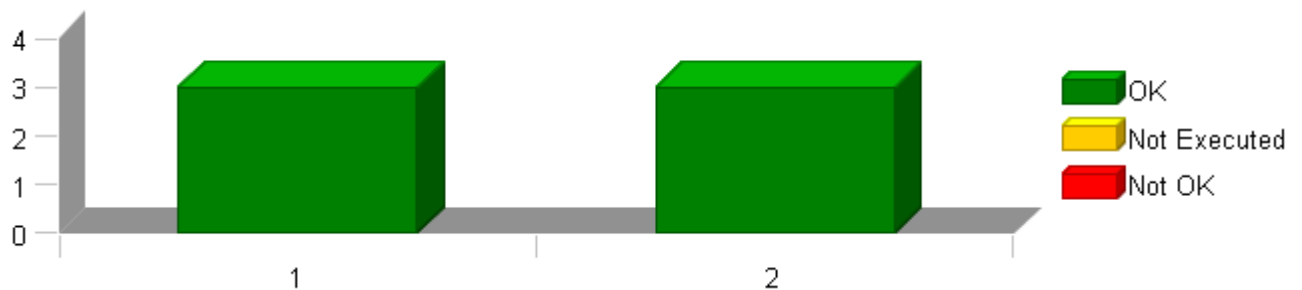
Selected Project Items

Test Object "CBD_UnitTest/StOpCtrl/StOpCtrl_Per1"
Test Object "CBD_UnitTest/StOpCtrl/TargetSelection"

Used Test Environments

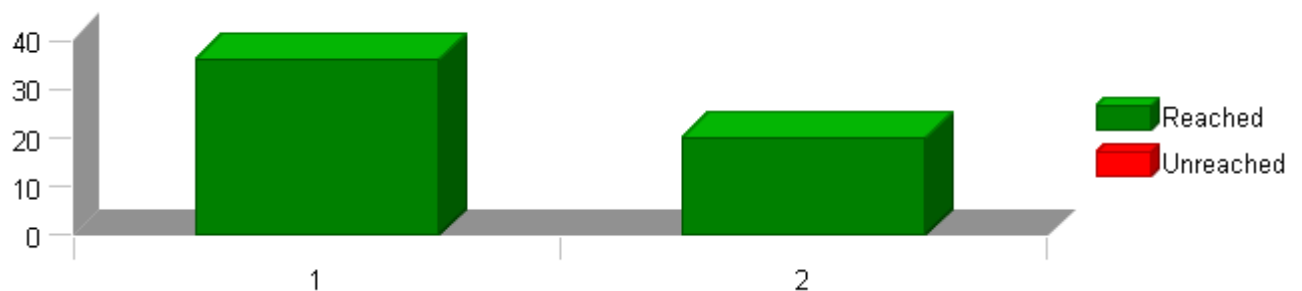
TI TMS 570 PLS UDE (Default)

Test Case Results for Each Test Object (without Coverage)

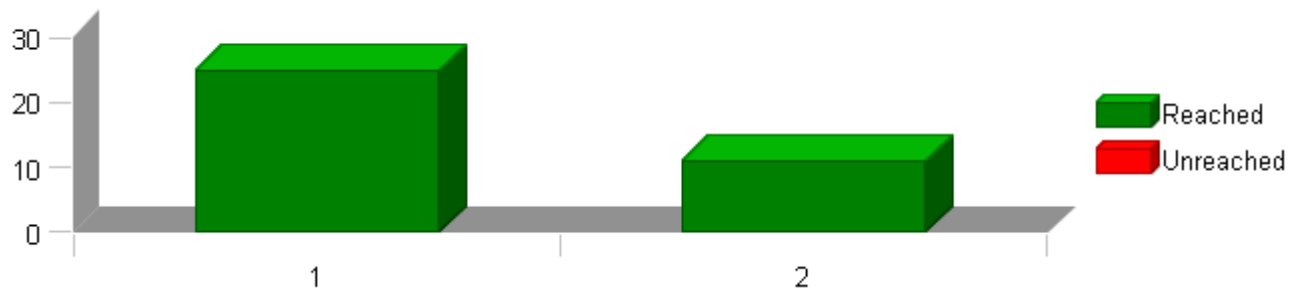


The table above shows each test object on the x axis and the number of test cases of the respective test object on the y axis. Each bar is divided into passed, not executed and failed test cases. The test case results do not take into account any coverage result (i.e. if all test cases of a test object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



MCC Coverage: Total Condition Combinations for Each Test Object








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

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

Test Object List

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

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

No.	Name	C0	C1	DC	MC/DC	MCC	Test Cases	Result
	StOpCtrl	100 %	97.56 %	97.56 %	97.67 %	100 %	6 of 6 passed	
	CBD_UnitTest	100 %	97.56 %	97.56 %	97.67 %	100 %	6 of 6 passed	
	StOpCtrl	100 %	97.56 %	97.56 %	97.67 %	100 %	6 of 6 passed	
1	StOpCtrl_Per1	100 %	100 %	100 %	100 %	100 %	3 of 3 passed	
2	TargetSelection	100 %	94.11 %	94.11 %	94.44 %	100 %	3 of 3 passed	

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TargetSelection



Project	StOpCtrl
Module	StOpCtrl
Test Object	TargetSelection

Instrumentation: Test Object Only

Statement (C0) Coverage	100 %
Decision Coverage	94.11 %
Branch (C1) Coverage	94.11 %
MCC Coverage	100 %
MC/DC Coverage	94.44 %

Statistics

Total Testcases	3
Successful	3 ✓
Failed	0
Not Executed	0

Module Properties

Project Root Directory	D:\Synergy_Work_Area\FORD_Research_StOpCtrl
Configuration File	D:\Synergy_Work_Area\FORD_Research_StOpCtrl\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)\StOpCtrl\src\Ap_StOpCtrl.c
Compiler Options	-D_DATA_ACCESS= -Dconst= -I\$(PROJECTROOT)\StOpCtrl\utp\contract -I\$(PROJECTROOT)\StOpCtrl\utp\contract\Ap_StOpCtrl -I\$(PROJECTROOT)\NxtLib\include -I\$(PROJECTROOT)\StdDef\include -I\$(ProgramFiles)\Texas Instruments\ccsv4\tools\compiler\tms470\include

Comments/Description/Specification

Name	Text
Module 'StOpCtrl'	*****Unit Test Information***** Name of Tester:Spoorti Mali Code File(s) Under Test:Ap_StOpCtrl.c Code File(s) Version:24 Module Design Document:State_Output_Control_MDD Module Design Document Version:8 Data Dictionary Version:9.1.1 Unit Test Plan Version:6 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):632 Total RAM Used (Bytes):14 Total CALS Used (Bytes):0 Special Test Requirements: Test Date:9/01/2015 Comments:

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TargetSelection



Attributes	
Name	Value
Target Install Path	\$(ProgramFiles)\pls\UDE 3.2
Timer Enabled	false
Timer Prescale	0
Timer Resolution	1
Timer Unit	Cycles
UDE Config File	\$(PROJECTROOT)\UnitTestEnv\config\TMS570_UDE_12PIN_JTAG.cfg
Workspace File	D:\Synergy_Work_Area\FORD_Research_StOpCtrl\UnitTestEnv\config\UDE_TMS570_DEBUG.WSP

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TargetSelection

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Test Case 1: Metrics Test

Specification	Performance Metrics (With "None" Instrumentation and WithPS Environment) CPU Cycles: TS1.1 52.00 Cycles TS1.2 59.00 Cycles
Description	Vector Description: TS1.1 "Longest Execution Path==> if ((StrtStopScaleFctr_Uls_T_f32 < OperScaleFctr_Uls_T_f32) && (StrtStopScaleFctr_Uls_T_f32 < LoaScaleFctr_Uls_T_f32)) ==> False else if (LoaScaleFctr_Uls_T_f32 < OperScaleFctr_Uls_T_f32)) ==> False if (OperScaleFctr_Uls_T_f32 <= StOpCtrl_ScaleSV_Uls_M_f32) ==> True if (LoaScaleFctr_Uls_T_f32 <= StOpCtrl_ScaleSV_Uls_M_f32) ==> False if (StrtStopScaleFctr_Uls_T_f32 <= StOpCtrl_ScaleSV_Uls_M_f32) ==> False TS1.2 "Shortest Execution Path==> if ((StrtStopScaleFctr_Uls_T_f32 < OperScaleFctr_Uls_T_f32) && (StrtStopScaleFctr_Uls_T_f32 < LoaScaleFctr_Uls_T_f32)) ==> True else if (LoaScaleFctr_Uls_T_f32 < OperScaleFctr_Uls_T_f32) ==> False if (OperScaleFctr_Uls_T_f32 <= StOpCtrl_ScaleSV_Uls_M_f32) ==> False if (LoaScaleFctr_Uls_T_f32 <= StOpCtrl_ScaleSV_Uls_M_f32) ==> False if (StrtStopScaleFctr_Uls_T_f32 <= StOpCtrl_ScaleSV_Uls_M_f32) ==> True "

Test Step 1.1 (Repeat Count = 1)

Name	Input Value			
LoaRateLimit_UlspS_T_f32	0.00999999978			
LoaScaleFctr_Uls_T_f32	0			
OperRateLimit_UlspS_T_f32	0.100000001			
OperScaleFctr_Uls_T_f32	0			
SelRampRate_UlspS_T_f32	target_SelRampRate_UlspS_T_f32			
SelRampValue_Uls_T_f32	target_SelRampValue_Uls_T_f32			
StOpCtrl_RateSource_Cnt_M_u08	1			
StOpCtrl_ScaleSV_Uls_M_f32	0			
StOpCtrl_State_Cnt_M_u08	1			
StrtStopRateLimit_UlspS_T_f32	0.00999999978			
StrtStopScaleFctr_Uls_T_f32	0			
Name	Actual Value	Expected Value	Result	
StOpCtrl_RateSource_Cnt_M_u08	1	1	✓	
StOpCtrl_State_Cnt_M_u08	1	1	✓	
target_SelRampRate_UlspS_T_f32	0.100000001	0.100000001	✓	
target_SelRampValue_Uls_T_f32	0	0	✓	

T				
Actual Function	Count	Expected Function	Count	Result
none	0	*** No Call Expected ***	0	✓

Test Step 1.2 (Repeat Count = 1)

Name	Input Value			
LoaRateLimit_UlspS_T_f32	0.03999999991			
LoaScaleFctr_Uls_T_f32	0.02999999993			
OperRateLimit_UlspS_T_f32	0.100000001			
OperScaleFctr_Uls_T_f32	0.05999999987			
SelRampRate_UlspS_T_f32	target_SelRampRate_UlspS_T_f32			
SelRampValue_Uls_T_f32	target_SelRampValue_Uls_T_f32			
StOpCtrl_RateSource_Cnt_M_u08	2			
StOpCtrl_ScaleSV_Uls_M_f32	0.0900000036			
StOpCtrl_State_Cnt_M_u08	1			
StrtStopRateLimit_UlspS_T_f32	0.03999999991			
StrtStopScaleFctr_Uls_T_f32	0			
Name	Actual Value	Expected Value	Result	
StOpCtrl_RateSource_Cnt_M_u08	3	3	✓	
StOpCtrl_State_Cnt_M_u08	3	3	✓	
target_SelRampRate_UlspS_T_f32	0.03999999991	0.03999999991	✓	
target_SelRampValue_Uls_T_f32	0	0	✓	

T				
Actual Function	Count	Expected Function	Count	Result
none	0	*** No Call Expected ***	0	✓

Test Case 2: Boundary Test

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

CPU Cycles:

TS2.1 52.00 Cycles
 TS2.2 52.00 Cycles
 TS2.3 52.00 Cycles
 TS2.4 59.00 Cycles
 TS2.5 53.00 Cycles
 TS2.6 52.00 Cycles
 TS2.7 52.00 Cycles
 TS2.8 52.00 Cycles
 TS2.9 62.00 Cycles
 TS2.10 55.00 Cycles
 TS2.11 55.00 Cycles
 TS2.12 59.00 Cycles
 TS2.13 57.00 Cycles
 TS2.14 55.00 Cycles
 TS2.15 56.00 Cycles
 TS2.16 54.00 Cycles
 TS2.17 52.00 Cycles
 TS2.18 52.00 Cycles
 TS2.19 52.00 Cycles
 TS2.20 55.00 Cycles
 TS2.21 51.00 Cycles
 TS2.22 58.00 Cycles
 TS2.23 58.00 Cycles
 TS2.24 56.00 Cycles
 TS2.25 56.00 Cycles
 TS2.26 54.00 Cycles
 TS2.27 51.00 Cycles
 TS2.28 54.00 Cycles
 TS2.29 52.00 Cycles

Description Vector Description:

TS2.1All Min
 TS2.2All Max
 TS2.3OperScaleFctr_Uls_T_f32==>Min
 TS2.4OperScaleFctr_Uls_T_f32==>Max
 TS2.5OperScaleFctr_Uls_T_f32==>Pos
 TS2.6LoaScaleFctr_Uls_T_f32==>Min
 TS2.7LoaScaleFctr_Uls_T_f32==>Max
 TS2.8LoaScaleFctr_Uls_T_f32==>Pos
 TS2.9StrtStopScaleFctr_Uls_T_f32==>Min
 TS2.10StrtStopScaleFctr_Uls_T_f32==>Max
 TS2.11StrtStopScaleFctr_Uls_T_f32==>Pos
 TS2.12OperRateLimit_UlspS_T_f32==>Min
 TS2.13OperRateLimit_UlspS_T_f32==>Max
 TS2.14OperRateLimit_UlspS_T_f32==>Pos
 TS2.15LoaRateLimit_UlspS_T_f32==>Min
 TS2.16LoaRateLimit_UlspS_T_f32==>Max
 TS2.17LoaRateLimit_UlspS_T_f32==>Pos
 TS2.18StrtStopRateLimit_UlspS_T_f32==>Min
 TS2.19StrtStopRateLimit_UlspS_T_f32==>Max
 TS2.20StrtStopRateLimit_UlspS_T_f32==>Pos
 TS2.21StOpCtrl_ScaleSV_Uls_M_f32==>Min
 TS2.22StOpCtrl_ScaleSV_Uls_M_f32==>Max
 TS2.23StOpCtrl_ScaleSV_Uls_M_f32==>Pos
 TS2.24StOpCtrl_RateSource_Cnt_M_u08==>Min
 TS2.25StOpCtrl_RateSource_Cnt_M_u08==>Max
 TS2.26StOpCtrl_RateSource_Cnt_M_u08==>Pos
 TS2.27StOpCtrl_State_Cnt_M_u08==>Min
 TS2.28StOpCtrl_State_Cnt_M_u08==>Max
 TS2.29StOpCtrl_State_Cnt_M_u08==>Pos

Test Step 2.1 (Repeat Count = 1)

Name	Input Value		
LoaRateLimit_UlspS_T_f32	0.00999999978		
LoaScaleFctr_Uls_T_f32	0		
OperRateLimit_UlspS_T_f32	0.100000001		
OperScaleFctr_Uls_T_f32	0		
SelRampRate_UlspS_T_f32	target_SelRampRate_UlspS_T_f32		
SelRampValue_Uls_T_f32	target_SelRampValue_Uls_T_f32		
StOpCtrl_RateSource_Cnt_M_u08	1		
StOpCtrl_ScaleSV_Uls_M_f32	0		
StOpCtrl_State_Cnt_M_u08	1		
StrtStopRateLimit_UlspS_T_f32	0.00999999978		
StrtStopScaleFctr_Uls_T_f32	0		
Name	Actual Value	Expected Value	Result
StOpCtrl_RateSource_Cnt_M_u08	1	1	✓
StOpCtrl_State_Cnt_M_u08	1	1	✓
target_SelRampRate_UlspS_T_f32	0.100000001	0.100000001	✓
target_SelRampValue_Uls_T_f32	0	0	✓

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TargetSelection



T					✓
Actual Function	Count	Expected Function	Count	Result	
none	0	*** No Call Expected ***	0	✓	

Test Step 2.2 (Repeat Count = 1)

Name	Input Value				✓
LoaRateLimit_UlspS_T_f32	500				
LoaScaleFctr_Uls_T_f32	1				
OperRateLimit_UlspS_T_f32	5				
OperScaleFctr_Uls_T_f32	1				
SelRampRate_UlspS_T_f32	target_SelRampRate_UlspS_T_f32				
SelRampValue_Uls_T_f32	target_SelRampValue_Uls_T_f32				
StOpCtrl_RateSource_Cnt_M_u08	4				
StOpCtrl_ScaleSV_Uls_M_f32	1				
StOpCtrl_State_Cnt_M_u08	4				
StrtStopRateLimit_UlspS_T_f32	500				
StrtStopScaleFctr_Uls_T_f32	1				
Name	Actual Value	Expected Value	Result		
StOpCtrl_RateSource_Cnt_M_u08	1	1	✓		
StOpCtrl_State_Cnt_M_u08	1	1	✓		
target_SelRampRate_UlspS_T_f32	5	5	✓		
target_SelRampValue_Uls_T_f32	1	1	✓		

T					✓
Actual Function	Count	Expected Function	Count	Result	
none	0	*** No Call Expected ***	0	✓	

Test Step 2.3 (Repeat Count = 1)

Name	Input Value				✓
LoaRateLimit_UlspS_T_f32	0.0500000007				
LoaScaleFctr_Uls_T_f32	0.6000000024				
OperRateLimit_UlspS_T_f32	0.100000001				
OperScaleFctr_Uls_T_f32	0				
SelRampRate_UlspS_T_f32	target_SelRampRate_UlspS_T_f32				
SelRampValue_Uls_T_f32	target_SelRampValue_Uls_T_f32				
StOpCtrl_RateSource_Cnt_M_u08	1				
StOpCtrl_ScaleSV_Uls_M_f32	0				
StOpCtrl_State_Cnt_M_u08	2				
StrtStopRateLimit_UlspS_T_f32	0.0500000007				
StrtStopScaleFctr_Uls_T_f32	0.6000000024				
Name	Actual Value	Expected Value	Result		
StOpCtrl_RateSource_Cnt_M_u08	1	1	✓		
StOpCtrl_State_Cnt_M_u08	1	1	✓		
target_SelRampRate_UlspS_T_f32	0.100000001	0.100000001	✓		
target_SelRampValue_Uls_T_f32	0	0	✓		

T					✓
Actual Function	Count	Expected Function	Count	Result	
none	0	*** No Call Expected ***	0	✓	

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Test Step 2.4 (Repeat Count = 1) ✓

Name	Input Value		
LoaRateLimit_UlspS_T_f32	0.0599999987		
LoaScaleFctr_Uls_T_f32	0.600000024		
OperRateLimit_UlspS_T_f32	2		
OperScaleFctr_Uls_T_f32	1		
SelRampRate_UlspS_T_f32	target_SelRampRate_UlspS_T_f32		
SelRampValue_Uls_T_f32	target_SelRampValue_Uls_T_f32		
StOpCtrl_RateSource_Cnt_M_u08	2		
StOpCtrl_ScaleSV_Uls_M_f32	0.0099999978		
StOpCtrl_State_Cnt_M_u08	2		
StrtStopRateLimit_UlspS_T_f32	0.0599999987		
StrtStopScaleFctr_Uls_T_f32	0.600000024		
Name	Actual Value	Expected Value	Result
StOpCtrl_RateSource_Cnt_M_u08	2	2	✔
StOpCtrl_State_Cnt_M_u08	2	2	✔
target_SelRampRate_UlspS_T_f32	0.0599999987	0.0599999987	✔
target_SelRampValue_Uls_T_f32	0.600000024	0.600000024	✔

T ✓

Actual Function	Count	Expected Function	Count	Result
none	0	*** No Call Expected ***	0	✓

Test Step 2.5 (Repeat Count = 1) ✓

Name	Input Value		
LoaRateLimit_UlspS_T_f32	0.0700000003		
LoaScaleFctr_Uls_T_f32	0.600000024		
OperRateLimit_UlspS_T_f32	0.200000003		
OperScaleFctr_Uls_T_f32	0.5		
SelRampRate_UlspS_T_f32	target_SelRampRate_UlspS_T_f32		
SelRampValue_Uls_T_f32	target_SelRampValue_Uls_T_f32		
StOpCtrl_RateSource_Cnt_M_u08	3		
StOpCtrl_ScaleSV_Uls_M_f32	0.0199999996		
StOpCtrl_State_Cnt_M_u08	4		
StrtStopRateLimit_UlspS_T_f32	0.0700000003		
StrtStopScaleFctr_Uls_T_f32	0.600000024		
Name	Actual Value	Expected Value	Result
StOpCtrl_RateSource_Cnt_M_u08	3	3	✔
StOpCtrl_State_Cnt_M_u08	1	1	✔
target_SelRampRate_UlspS_T_f32	0.0700000003	0.0700000003	✔
target_SelRampValue_Uls_T_f32	0.5	0.5	✔

T ✓

Actual Function	Count	Expected Function	Count	Result
none	0	*** No Call Expected ***	0	✓

Test Step 2.6 (Repeat Count = 1) ✓

Name	Input Value		
LoaRateLimit_UlspS_T_f32	0.0799999982		
LoaScaleFctr_Uls_T_f32	0		
OperRateLimit_UlspS_T_f32	2.0999999		
OperScaleFctr_Uls_T_f32	0		
SelRampRate_UlspS_T_f32	target_SelRampRate_UlspS_T_f32		
SelRampValue_Uls_T_f32	target_SelRampValue_Uls_T_f32		
StOpCtrl_RateSource_Cnt_M_u08	3		
StOpCtrl_ScaleSV_Uls_M_f32	0.0299999993		
StOpCtrl_State_Cnt_M_u08	4		
StrtStopRateLimit_UlspS_T_f32	0.0799999982		
StrtStopScaleFctr_Uls_T_f32	0.600000024		
Name	Actual Value	Expected Value	Result
StOpCtrl_RateSource_Cnt_M_u08	1	1	✔
StOpCtrl_State_Cnt_M_u08	1	1	✔
target_SelRampRate_UlspS_T_f32	2.0999999	2.0999999	✔
target_SelRampValue_Uls_T_f32	0	0	✔

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TargetSelection



T				
Actual Function	Count	Expected Function	Count	Result
none	0	*** No Call Expected ***	0	✓

Test Step 2.7 (Repeat Count = 1)

Name	Input Value		
LoaRateLimit_UlspS_T_f32	0.0900000036		
LoaScaleFctr_Uls_T_f32	1		
OperRateLimit_UlspS_T_f32	0.300000012		
OperScaleFctr_Uls_T_f32	0.00999999978		
SelRampRate_UlspS_T_f32	target_SelRampRate_UlspS_T_f32		
SelRampValue_Uls_T_f32	target_SelRampValue_Uls_T_f32		
StOpCtrl_RateSource_Cnt_M_u08	4		
StOpCtrl_ScaleSV_Uls_M_f32	0.0399999991		
StOpCtrl_State_Cnt_M_u08	3		
StrtStopRateLimit_UlspS_T_f32	0.0900000036		
StrtStopScaleFctr_Uls_T_f32	0.600000024		
Name	Actual Value	Expected Value	Result
StOpCtrl_RateSource_Cnt_M_u08	1	1	✔
StOpCtrl_State_Cnt_M_u08	1	1	✔
target_SelRampRate_UlspS_T_f32	0.300000012	0.300000012	✔
target_SelRampValue_Uls_T_f32	0.00999999978	0.00999999978	✔

T				
Actual Function	Count	Expected Function	Count	Result
none	0	*** No Call Expected ***	0	✓

Test Step 2.8 (Repeat Count = 1)

Name	Input Value		
LoaRateLimit_UlspS_T_f32	0.100000001		
LoaScaleFctr_Uls_T_f32	0.5		
OperRateLimit_UlspS_T_f32	2.20000005		
OperScaleFctr_Uls_T_f32	0.0199999996		
SelRampRate_UlspS_T_f32	target_SelRampRate_UlspS_T_f32		
SelRampValue_Uls_T_f32	target_SelRampValue_Uls_T_f32		
StOpCtrl_RateSource_Cnt_M_u08	1		
StOpCtrl_ScaleSV_Uls_M_f32	0.0500000007		
StOpCtrl_State_Cnt_M_u08	4		
StrtStopRateLimit_UlspS_T_f32	0.100000001		
StrtStopScaleFctr_Uls_T_f32	0.600000024		
Name	Actual Value	Expected Value	Result
StOpCtrl_RateSource_Cnt_M_u08	1	1	✔
StOpCtrl_State_Cnt_M_u08	1	1	✔
target_SelRampRate_UlspS_T_f32	2.20000005	2.20000005	✔
target_SelRampValue_Uls_T_f32	0.0199999996	0.0199999996	✔

T				
Actual Function	Count	Expected Function	Count	Result
none	0	*** No Call Expected ***	0	✓

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TargetSelection



Test Step 2.9 (Repeat Count = 1)

Name	Input Value		
LoaRateLimit_UlspS_T_f32	0.00999999978		
LoaScaleFctr_Uls_T_f32	0		
OperRateLimit_UlspS_T_f32	0.400000006		
OperScaleFctr_Uls_T_f32	0.0299999993		
SelRampRate_UlspS_T_f32	target_SelRampRate_UlspS_T_f32		
SelRampValue_Uls_T_f32	target_SelRampValue_Uls_T_f32		
StOpCtrl_RateSource_Cnt_M_u08	2		
StOpCtrl_ScaleSV_Uls_M_f32	0.0599999987		
StOpCtrl_State_Cnt_M_u08	3		
StrtStopRateLimit_UlspS_T_f32	0.00999999978		
StrtStopScaleFctr_Uls_T_f32	0		
Name	Actual Value	Expected Value	Result
StOpCtrl_RateSource_Cnt_M_u08	2	2	✔
StOpCtrl_State_Cnt_M_u08	2	2	✔
target_SelRampRate_UlspS_T_f32	0.00999999978	0.00999999978	✔
target_SelRampValue_Uls_T_f32	0	0	✔

Actual Function	Count	Expected Function	Count	Result
none	0	*** No Call Expected ***	0	✓

Test Step 2.10 (Repeat Count = 1)

Name	Input Value		
LoaRateLimit_UlspS_T_f32	0.0199999996		
LoaScaleFctr_Uls_T_f32	0.00999999978		
OperRateLimit_UlspS_T_f32	2.29999995		
OperScaleFctr_Uls_T_f32	0.0399999991		
SelRampRate_UlspS_T_f32	target_SelRampRate_UlspS_T_f32		
SelRampValue_Uls_T_f32	target_SelRampValue_Uls_T_f32		
StOpCtrl_RateSource_Cnt_M_u08	3		
StOpCtrl_ScaleSV_Uls_M_f32	0.0700000003		
StOpCtrl_State_Cnt_M_u08	4		
StrtStopRateLimit_UlspS_T_f32	0.0199999996		
StrtStopScaleFctr_Uls_T_f32	1		
Name	Actual Value	Expected Value	Result
StOpCtrl_RateSource_Cnt_M_u08	2	2	✔
StOpCtrl_State_Cnt_M_u08	2	2	✔
target_SelRampRate_UlspS_T_f32	0.0199999996	0.0199999996	✔
target_SelRampValue_Uls_T_f32	0.00999999978	0.00999999978	✔

Actual Function	Count	Expected Function	Count	Result
none	0	*** No Call Expected ***	0	✓

Test Step 2.11 (Repeat Count = 1)

Name	Input Value		
LoaRateLimit_UlspS_T_f32	0.0299999993		
LoaScaleFctr_Uls_T_f32	0.0199999996		
OperRateLimit_UlspS_T_f32	0.5		
OperScaleFctr_Uls_T_f32	0.0500000007		
SelRampRate_UlspS_T_f32	target_SelRampRate_UlspS_T_f32		
SelRampValue_Uls_T_f32	target_SelRampValue_Uls_T_f32		
StOpCtrl_RateSource_Cnt_M_u08	4		
StOpCtrl_ScaleSV_Uls_M_f32	0.0799999982		
StOpCtrl_State_Cnt_M_u08	1		
StrtStopRateLimit_UlspS_T_f32	0.0299999993		
StrtStopScaleFctr_Uls_T_f32	0.5		
Name	Actual Value	Expected Value	Result
StOpCtrl_RateSource_Cnt_M_u08	2	2	✔
StOpCtrl_State_Cnt_M_u08	2	2	✔
target_SelRampRate_UlspS_T_f32	0.0299999993	0.0299999993	✔
target_SelRampValue_Uls_T_f32	0.0199999996	0.0199999996	✔

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T				
Actual Function	Count	Expected Function	Count	Result
none	0	*** No Call Expected ***	0	✓

Test Step 2.12 (Repeat Count = 1)

Name	Input Value		
LoaRateLimit_UlspS_T_f32	0.0399999991		
LoaScaleFctr_Uls_T_f32	0.0299999993		
OperRateLimit_UlspS_T_f32	0.100000001		
OperScaleFctr_Uls_T_f32	0.0599999987		
SelRampRate_UlspS_T_f32	target_SelRampRate_UlspS_T_f32		
SelRampValue_Uls_T_f32	target_SelRampValue_Uls_T_f32		
StOpCtrl_RateSource_Cnt_M_u08	2		
StOpCtrl_ScaleSV_Uls_M_f32	0.0900000036		
StOpCtrl_State_Cnt_M_u08	1		
StrtStopRateLimit_UlspS_T_f32	0.0399999991		
StrtStopScaleFctr_Uls_T_f32	0		
Name	Actual Value	Expected Value	Result
StOpCtrl_RateSource_Cnt_M_u08	3	3	✓
StOpCtrl_State_Cnt_M_u08	3	3	✓
target_SelRampRate_UlspS_T_f32	0.0399999991	0.0399999991	✓
target_SelRampValue_Uls_T_f32	0	0	✓

T				
Actual Function	Count	Expected Function	Count	Result
none	0	*** No Call Expected ***	0	✓

Test Step 2.13 (Repeat Count = 1)

Name	Input Value		
LoaRateLimit_UlspS_T_f32	1		
LoaScaleFctr_Uls_T_f32	0.0399999991		
OperRateLimit_UlspS_T_f32	5		
OperScaleFctr_Uls_T_f32	0.0700000003		
SelRampRate_UlspS_T_f32	target_SelRampRate_UlspS_T_f32		
SelRampValue_Uls_T_f32	target_SelRampValue_Uls_T_f32		
StOpCtrl_RateSource_Cnt_M_u08	1		
StOpCtrl_ScaleSV_Uls_M_f32	0.100000001		
StOpCtrl_State_Cnt_M_u08	2		
StrtStopRateLimit_UlspS_T_f32	0.0900000036		
StrtStopScaleFctr_Uls_T_f32	0.00999999978		
Name	Actual Value	Expected Value	Result
StOpCtrl_RateSource_Cnt_M_u08	3	3	✓
StOpCtrl_State_Cnt_M_u08	3	3	✓
target_SelRampRate_UlspS_T_f32	0.0900000036	0.0900000036	✓
target_SelRampValue_Uls_T_f32	0.00999999978	0.00999999978	✓

T				
Actual Function	Count	Expected Function	Count	Result
none	0	*** No Call Expected ***	0	✓

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Test Step 2.14 (Repeat Count = 1)

Name	Input Value		
LoaRateLimit_UlspS_T_f32	1		
LoaScaleFctr_Uls_T_f32	0.0500000007		
OperRateLimit_UlspS_T_f32	2.0000999		
OperScaleFctr_Uls_T_f32	0.0799999982		
SelRampRate_UlspS_T_f32	target_SelRampRate_UlspS_T_f32		
SelRampValue_Uls_T_f32	target_SelRampValue_Uls_T_f32		
StOpCtrl_RateSource_Cnt_M_u08	3		
StOpCtrl_ScaleSV_Uls_M_f32	0.00999999978		
StOpCtrl_State_Cnt_M_u08	2		
StrtStopRateLimit_UlspS_T_f32	0.100000001		
StrtStopScaleFctr_Uls_T_f32	0.0199999996		
Name	Actual Value	Expected Value	Result
StOpCtrl_RateSource_Cnt_M_u08	3	3	✔
StOpCtrl_State_Cnt_M_u08	3	3	✔
target_SelRampRate_UlspS_T_f32	0.100000001	0.100000001	✔
target_SelRampValue_Uls_T_f32	0.0199999996	0.0199999996	✔

Actual Function	Count	Expected Function	Count	Result
none	0	*** No Call Expected ***	0	✓

Test Step 2.15 (Repeat Count = 1)

Name	Input Value		
LoaRateLimit_UlspS_T_f32	0.00999999978		
LoaScaleFctr_Uls_T_f32	0.0599999987		
OperRateLimit_UlspS_T_f32	0.200000003		
OperScaleFctr_Uls_T_f32	0.0900000036		
SelRampRate_UlspS_T_f32	target_SelRampRate_UlspS_T_f32		
SelRampValue_Uls_T_f32	target_SelRampValue_Uls_T_f32		
StOpCtrl_RateSource_Cnt_M_u08	4		
StOpCtrl_ScaleSV_Uls_M_f32	0.0199999996		
StOpCtrl_State_Cnt_M_u08	4		
StrtStopRateLimit_UlspS_T_f32	0.00999999978		
StrtStopScaleFctr_Uls_T_f32	0.0299999993		
Name	Actual Value	Expected Value	Result
StOpCtrl_RateSource_Cnt_M_u08	4	4	✔
StOpCtrl_State_Cnt_M_u08	3	3	✔
target_SelRampRate_UlspS_T_f32	0.00999999978	0.00999999978	✔
target_SelRampValue_Uls_T_f32	0.0299999993	0.0299999993	✔

Actual Function	Count	Expected Function	Count	Result
none	0	*** No Call Expected ***	0	✓

Test Step 2.16 (Repeat Count = 1)

Name	Input Value		
LoaRateLimit_UlspS_T_f32	500		
LoaScaleFctr_Uls_T_f32	0.0700000003		
OperRateLimit_UlspS_T_f32	2.0999999		
OperScaleFctr_Uls_T_f32	0.100000001		
SelRampRate_UlspS_T_f32	target_SelRampRate_UlspS_T_f32		
SelRampValue_Uls_T_f32	target_SelRampValue_Uls_T_f32		
StOpCtrl_RateSource_Cnt_M_u08	1		
StOpCtrl_ScaleSV_Uls_M_f32	0.0299999993		
StOpCtrl_State_Cnt_M_u08	4		
StrtStopRateLimit_UlspS_T_f32	0.0199999996		
StrtStopScaleFctr_Uls_T_f32	0.0399999991		
Name	Actual Value	Expected Value	Result
StOpCtrl_RateSource_Cnt_M_u08	1	1	✔
StOpCtrl_State_Cnt_M_u08	3	3	✔
target_SelRampRate_UlspS_T_f32	2.0999999	2.0999999	✔
target_SelRampValue_Uls_T_f32	0.0399999991	0.0399999991	✔

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Actual Function	Count	Expected Function	Count	Result
none	0	*** No Call Expected ***	0	✓

Test Step 2.17 (Repeat Count = 1)

Name	Input Value			
LoaRateLimit_UlspS_T_f32	100.000099			
LoaScaleFctr_Uls_T_f32	0.0799999982			
OperRateLimit_UlspS_T_f32	0.300000012			
OperScaleFctr_Uls_T_f32	0.00999999978			
SelRampRate_UlspS_T_f32	target_SelRampRate_UlspS_T_f32			
SelRampValue_Uls_T_f32	target_SelRampValue_Uls_T_f32			
StOpCtrl_RateSource_Cnt_M_u08	1			
StOpCtrl_ScaleSV_Uls_M_f32	0.0399999991			
StOpCtrl_State_Cnt_M_u08	3			
StrtStopRateLimit_UlspS_T_f32	1			
StrtStopScaleFctr_Uls_T_f32	0.0500000007			
Name	Actual Value	Expected Value	Result	
StOpCtrl_RateSource_Cnt_M_u08	1	1	✓	
StOpCtrl_State_Cnt_M_u08	1	1	✓	
target_SelRampRate_UlspS_T_f32	0.300000012	0.300000012	✓	
target_SelRampValue_Uls_T_f32	0.00999999978	0.00999999978	✓	

T				
Actual Function	Count	Expected Function	Count	Result
none	0	*** No Call Expected ***	0	✓

Test Step 2.18 (Repeat Count = 1)

Name	Input Value			
LoaRateLimit_UlspS_T_f32	1			
LoaScaleFctr_Uls_T_f32	0.0900000036			
OperRateLimit_UlspS_T_f32	2.20000005			
OperScaleFctr_Uls_T_f32	0.0199999996			
SelRampRate_UlspS_T_f32	target_SelRampRate_UlspS_T_f32			
SelRampValue_Uls_T_f32	target_SelRampValue_Uls_T_f32			
StOpCtrl_RateSource_Cnt_M_u08	2			
StOpCtrl_ScaleSV_Uls_M_f32	0.0500000007			
StOpCtrl_State_Cnt_M_u08	4			
StrtStopRateLimit_UlspS_T_f32	0.00999999978			
StrtStopScaleFctr_Uls_T_f32	0.0599999987			
Name	Actual Value	Expected Value	Result	
StOpCtrl_RateSource_Cnt_M_u08	1	1	✓	
StOpCtrl_State_Cnt_M_u08	1	1	✓	
target_SelRampRate_UlspS_T_f32	2.20000005	2.20000005	✓	
target_SelRampValue_Uls_T_f32	0.0199999996	0.0199999996	✓	

T				
Actual Function	Count	Expected Function	Count	Result
none	0	*** No Call Expected ***	0	✓

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Test Step 2.19 (Repeat Count = 1) ✓

Name	Input Value		
LoaRateLimit_UlspS_T_f32	150		
LoaScaleFctr_Uls_T_f32	0.100000001		
OperRateLimit_UlspS_T_f32	0.400000006		
OperScaleFctr_Uls_T_f32	0.0299999993		
SelRampRate_UlspS_T_f32	target_SelRampRate_UlspS_T_f32		
SelRampValue_Uls_T_f32	target_SelRampValue_Uls_T_f32		
StOpCtrl_RateSource_Cnt_M_u08	2		
StOpCtrl_ScaleSV_Uls_M_f32	0.0599999987		
StOpCtrl_State_Cnt_M_u08	1		
StrtStopRateLimit_UlspS_T_f32	500		
StrtStopScaleFctr_Uls_T_f32	0.0700000003		
Name	Actual Value	Expected Value	Result
StOpCtrl_RateSource_Cnt_M_u08	1	1	✓
StOpCtrl_State_Cnt_M_u08	1	1	✓
target_SelRampRate_UlspS_T_f32	0.400000006	0.400000006	✓
target_SelRampValue_Uls_T_f32	0.0299999993	0.0299999993	✓

T ✓

Actual Function	Count	Expected Function	Count	Result
none	0	*** No Call Expected ***	0	✓

Test Step 2.20 (Repeat Count = 1) ✓

Name	Input Value		
LoaRateLimit_UlspS_T_f32	153		
LoaScaleFctr_Uls_T_f32	0.00999999978		
OperRateLimit_UlspS_T_f32	2.29999995		
OperScaleFctr_Uls_T_f32	0.0399999991		
SelRampRate_UlspS_T_f32	target_SelRampRate_UlspS_T_f32		
SelRampValue_Uls_T_f32	target_SelRampValue_Uls_T_f32		
StOpCtrl_RateSource_Cnt_M_u08	4		
StOpCtrl_ScaleSV_Uls_M_f32	0.0700000003		
StOpCtrl_State_Cnt_M_u08	2		
StrtStopRateLimit_UlspS_T_f32	100.000099		
StrtStopScaleFctr_Uls_T_f32	0.0799999982		
Name	Actual Value	Expected Value	Result
StOpCtrl_RateSource_Cnt_M_u08	2	2	✔
StOpCtrl_State_Cnt_M_u08	2	2	✔
target_SelRampRate_UlspS_T_f32	153	153	✔
target_SelRampValue_Uls_T_f32	0.00999999978	0.00999999978	✔

T ✓

Actual Function	Count	Expected Function	Count	Result
none	0	*** No Call Expected ***	0	✓

Test Step 2.21 (Repeat Count = 1) ✓

Name	Input Value		
LoaRateLimit_UlspS_T_f32	200		
LoaScaleFctr_Uls_T_f32	0.0399999991		
OperRateLimit_UlspS_T_f32	0.170000002		
OperScaleFctr_Uls_T_f32	0.0700000003		
SelRampRate_UlspS_T_f32	target_SelRampRate_UlspS_T_f32		
SelRampValue_Uls_T_f32	target_SelRampValue_Uls_T_f32		
StOpCtrl_RateSource_Cnt_M_u08	2		
StOpCtrl_ScaleSV_Uls_M_f32	0		
StOpCtrl_State_Cnt_M_u08	1		
StrtStopRateLimit_UlspS_T_f32	0.0399999991		
StrtStopScaleFctr_Uls_T_f32	0.00999999978		
Name	Actual Value	Expected Value	Result
StOpCtrl_RateSource_Cnt_M_u08	2	2	✔
StOpCtrl_State_Cnt_M_u08	3	3	✔
target_SelRampRate_UlspS_T_f32	200	200	✔
target_SelRampValue_Uls_T_f32	0.00999999978	0.00999999978	✔

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Actual Function	Count	Expected Function	Count	Result
none	0	*** No Call Expected ***	0	✓

Test Step 2.22 (Repeat Count = 1)

Name	Input Value		
LoaRateLimit_UlspS_T_f32	250		
LoaScaleFctr_Uls_T_f32	0.0500000007		
OperRateLimit_UlspS_T_f32	2.16000009		
OperScaleFctr_Uls_T_f32	0.0799999982		
SelRampRate_UlspS_T_f32	target_SelRampRate_UlspS_T_f32		
SelRampValue_Uls_T_f32	target_SelRampValue_Uls_T_f32		
StOpCtrl_RateSource_Cnt_M_u08	3		
StOpCtrl_ScaleSV_Uls_M_f32	1		
StOpCtrl_State_Cnt_M_u08	4		
StrtStopRateLimit_UlspS_T_f32	0.0900000036		
StrtStopScaleFctr_Uls_T_f32	0.0199999996		
Name	Actual Value	Expected Value	Result
StOpCtrl_RateSource_Cnt_M_u08	3	3	✔
StOpCtrl_State_Cnt_M_u08	3	3	✔
target_SelRampRate_UlspS_T_f32	0.0900000036	0.0900000036	✔
target_SelRampValue_Uls_T_f32	0.0199999996	0.0199999996	✔

T				
Actual Function	Count	Expected Function	Count	Result
none	0	*** No Call Expected ***	0	✓

Test Step 2.23 (Repeat Count = 1)

Name	Input Value		
LoaRateLimit_UlspS_T_f32	269		
LoaScaleFctr_Uls_T_f32	0.0599999987		
OperRateLimit_UlspS_T_f32	0.180000007		
OperScaleFctr_Uls_T_f32	0.0900000036		
SelRampRate_UlspS_T_f32	target_SelRampRate_UlspS_T_f32		
SelRampValue_Uls_T_f32	target_SelRampValue_Uls_T_f32		
StOpCtrl_RateSource_Cnt_M_u08	1		
StOpCtrl_ScaleSV_Uls_M_f32	0.5		
StOpCtrl_State_Cnt_M_u08	1		
StrtStopRateLimit_UlspS_T_f32	0.100000001		
StrtStopScaleFctr_Uls_T_f32	0.0299999993		
Name	Actual Value	Expected Value	Result
StOpCtrl_RateSource_Cnt_M_u08	3	3	✔
StOpCtrl_State_Cnt_M_u08	3	3	✔
target_SelRampRate_UlspS_T_f32	0.100000001	0.100000001	✔
target_SelRampValue_Uls_T_f32	0.0299999993	0.0299999993	✔

T				
Actual Function	Count	Expected Function	Count	Result
none	0	*** No Call Expected ***	0	✓

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Test Step 2.24 (Repeat Count = 1) ✓

Name	Input Value		
LoaRateLimit_UlspS_T_f32	300		
LoaScaleFctr_Uls_T_f32	0.0700000003		
OperRateLimit_UlspS_T_f32	2.17000008		
OperScaleFctr_Uls_T_f32	0.100000001		
SelRampRate_UlspS_T_f32	target_SelRampRate_UlspS_T_f32		
SelRampValue_Uls_T_f32	target_SelRampValue_Uls_T_f32		
StOpCtrl_RateSource_Cnt_M_u08	1		
StOpCtrl_ScaleSV_Uls_M_f32	0.0299999993		
StOpCtrl_State_Cnt_M_u08	3		
StrtStopRateLimit_UlspS_T_f32	0.00999999978		
StrtStopScaleFctr_Uls_T_f32	0.0399999991		
Name	Actual Value	Expected Value	Result
StOpCtrl_RateSource_Cnt_M_u08	1	1	✔
StOpCtrl_State_Cnt_M_u08	3	3	✔
target_SelRampRate_UlspS_T_f32	2.17000008	2.17000008	✔
target_SelRampValue_Uls_T_f32	0.0399999991	0.0399999991	✔

T ✓

Actual Function	Count	Expected Function	Count	Result
none	0	*** No Call Expected ***	0	✓

Test Step 2.25 (Repeat Count = 1) ✓

Name	Input Value		
LoaRateLimit_UlspS_T_f32	358		
LoaScaleFctr_Uls_T_f32	0.0799999982		
OperRateLimit_UlspS_T_f32	0.189999998		
OperScaleFctr_Uls_T_f32	0.600000024		
SelRampRate_UlspS_T_f32	target_SelRampRate_UlspS_T_f32		
SelRampValue_Uls_T_f32	target_SelRampValue_Uls_T_f32		
StOpCtrl_RateSource_Cnt_M_u08	4		
StOpCtrl_ScaleSV_Uls_M_f32	0.0399999991		
StOpCtrl_State_Cnt_M_u08	3		
StrtStopRateLimit_UlspS_T_f32	0.0199999996		
StrtStopScaleFctr_Uls_T_f32	0.0500000007		
Name	Actual Value	Expected Value	Result
StOpCtrl_RateSource_Cnt_M_u08	4	4	✓
StOpCtrl_State_Cnt_M_u08	3	3	✓
target_SelRampRate_UlspS_T_f32	0.0199999996	0.0199999996	✓
target_SelRampValue_Uls_T_f32	0.0500000007	0.0500000007	✓

T ✓

Actual Function	Count	Expected Function	Count	Result
none	0	*** No Call Expected ***	0	✓

Test Step 2.26 (Repeat Count = 1) ✓

Name	Input Value		
LoaRateLimit_UlspS_T_f32	489		
LoaScaleFctr_Uls_T_f32	0.0900000036		
OperRateLimit_UlspS_T_f32	2.18000007		
OperScaleFctr_Uls_T_f32	0.600000024		
SelRampRate_UlspS_T_f32	target_SelRampRate_UlspS_T_f32		
SelRampValue_Uls_T_f32	target_SelRampValue_Uls_T_f32		
StOpCtrl_RateSource_Cnt_M_u08	2		
StOpCtrl_ScaleSV_Uls_M_f32	0.0500000007		
StOpCtrl_State_Cnt_M_u08	3		
StrtStopRateLimit_UlspS_T_f32	0.00999999978		
StrtStopScaleFctr_Uls_T_f32	0.0599999987		
Name	Actual Value	Expected Value	Result
StOpCtrl_RateSource_Cnt_M_u08	2	2	✔
StOpCtrl_State_Cnt_M_u08	3	3	✔
target_SelRampRate_UlspS_T_f32	489	489	✔
target_SelRampValue_Uls_T_f32	0.0599999987	0.0599999987	✔

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Actual Function	Count	Expected Function	Count	Result
none	0	*** No Call Expected ***	0	✓

Test Step 2.27 (Repeat Count = 1)

Name	Input Value			
LoaRateLimit_UlspS_T_f32	426			
LoaScaleFctr_Uls_T_f32	0.100000001			
OperRateLimit_UlspS_T_f32	0.200000003			
OperScaleFctr_Uls_T_f32	0.600000024			
SelRampRate_UlspS_T_f32	target_SelRampRate_UlspS_T_f32			
SelRampValue_Uls_T_f32	target_SelRampValue_Uls_T_f32			
StOpCtrl_RateSource_Cnt_M_u08	1			
StOpCtrl_ScaleSV_Uls_M_f32	0.0599999987			
StOpCtrl_State_Cnt_M_u08	1			
StrtStopRateLimit_UlspS_T_f32	0.0199999996			
StrtStopScaleFctr_Uls_T_f32	0.0700000003			
Name	Actual Value	Expected Value	Result	
StOpCtrl_RateSource_Cnt_M_u08	1	1	✓	
StOpCtrl_State_Cnt_M_u08	3	3	✓	
target_SelRampRate_UlspS_T_f32	0.200000003	0.200000003	✓	
target_SelRampValue_Uls_T_f32	0.0700000003	0.0700000003	✓	

T				
Actual Function	Count	Expected Function	Count	Result
none	0	*** No Call Expected ***	0	✓

Test Step 2.28 (Repeat Count = 1)

Name	Input Value			
LoaRateLimit_UlspS_T_f32	436			
LoaScaleFctr_Uls_T_f32	0.600000024			
OperRateLimit_UlspS_T_f32	2.19000006			
OperScaleFctr_Uls_T_f32	0.600000024			
SelRampRate_UlspS_T_f32	target_SelRampRate_UlspS_T_f32			
SelRampValue_Uls_T_f32	target_SelRampValue_Uls_T_f32			
StOpCtrl_RateSource_Cnt_M_u08	1			
StOpCtrl_ScaleSV_Uls_M_f32	0.0700000003			
StOpCtrl_State_Cnt_M_u08	4			
StrtStopRateLimit_UlspS_T_f32	0.0299999993			
StrtStopScaleFctr_Uls_T_f32	0.0799999982			
Name	Actual Value	Expected Value	Result	
StOpCtrl_RateSource_Cnt_M_u08	1	1	✓	
StOpCtrl_State_Cnt_M_u08	3	3	✓	
target_SelRampRate_UlspS_T_f32	2.19000006	2.19000006	✓	
target_SelRampValue_Uls_T_f32	0.0799999982	0.0799999982	✓	

T				
Actual Function	Count	Expected Function	Count	Result
none	0	*** No Call Expected ***	0	✓

TEST DETAILS REPORT

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TargetSelection



Test Step 2.29 (Repeat Count = 1)

Name	Input Value
LoaRateLimit_UlspS_T_f32	247
LoaScaleFctr_Uls_T_f32	0.600000024
OperRateLimit_UlspS_T_f32	0.209999993
OperScaleFctr_Uls_T_f32	0.600000024
SelRampRate_UlspS_T_f32	target_SelRampRate_UlspS_T_f32
SelRampValue_Uls_T_f32	target_SelRampValue_Uls_T_f32
StOpCtrl_RateSource_Cnt_M_u08	4
StOpCtrl_ScaleSV_Uls_M_f32	0.0799999982
StOpCtrl_State_Cnt_M_u08	2
StrtStopRateLimit_UlspS_T_f32	0.0399999991
StrtStopScaleFctr_Uls_T_f32	0.0900000036

Name	Actual Value	Expected Value	Result
StOpCtrl_RateSource_Cnt_M_u08	4	4	✓
StOpCtrl_State_Cnt_M_u08	3	3	✓
target_SelRampRate_UlspS_T_f32	0.0399999991	0.0399999991	✓
target_SelRampValue_Uls_T_f32	0.0900000036	0.0900000036	✓

T				
Actual Function	Count	Expected Function	Count	Result
none	0	*** No Call Expected ***	0	✓

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TargetSelection

Test Case 3: Path Test

Specification	Performance Metrics (With "None" Instrumentation and WithPS Environment) CPU Cycles: TS3.1 52.00 Cycles TS3.2 59.00 Cycles TS3.3 57.00 Cycles TS3.4 51.00 Cycles TS3.5 57.00 Cycles TS3.6 60.00 Cycles TS3.7 57.00 Cycles
Description	Vector Description: TS3.1" if ((StrtStopScaleFctr_Uls_T_f32 < OperScaleFctr_Uls_T_f32) && (StrtStopScaleFctr_Uls_T_f32 < LoaScaleFctr_Uls_T_f32)) ==> False else if (LoaScaleFctr_Uls_T_f32 < OperScaleFctr_Uls_T_f32) ==> False if (OperScaleFctr_Uls_T_f32 <= StOpCtrl_ScaleSV_Uls_M_f32) ==> True if (LoaScaleFctr_Uls_T_f32 <= StOpCtrl_ScaleSV_Uls_M_f32) ==> False if (StrtStopScaleFctr_Uls_T_f32 <= StOpCtrl_ScaleSV_Uls_M_f32) ==> False" TS3.2"if ((StrtStopScaleFctr_Uls_T_f32 < OperScaleFctr_Uls_T_f32) && (StrtStopScaleFctr_Uls_T_f32 < LoaScaleFctr_Uls_T_f32)) ==> True else if (LoaScaleFctr_Uls_T_f32 < OperScaleFctr_Uls_T_f32) ==> False if (OperScaleFctr_Uls_T_f32 <= StOpCtrl_ScaleSV_Uls_M_f32) ==> False if (LoaScaleFctr_Uls_T_f32 <= StOpCtrl_ScaleSV_Uls_M_f32) ==> False if (StrtStopScaleFctr_Uls_T_f32 <= StOpCtrl_ScaleSV_Uls_M_f32) ==> True " TS3.3"else if (LoaScaleFctr_Uls_T_f32 < OperScaleFctr_Uls_T_f32) ==> True if ((StrtStopScaleFctr_Uls_T_f32 < OperScaleFctr_Uls_T_f32) && (StrtStopScaleFctr_Uls_T_f32 < LoaScaleFctr_Uls_T_f32)) ==> False if (OperScaleFctr_Uls_T_f32 <= StOpCtrl_ScaleSV_Uls_M_f32) ==> False if (LoaScaleFctr_Uls_T_f32 <= StOpCtrl_ScaleSV_Uls_M_f32) ==> False if (StrtStopScaleFctr_Uls_T_f32 <= StOpCtrl_ScaleSV_Uls_M_f32) ==> False " TS3.4"if ((StrtStopScaleFctr_Uls_T_f32 < OperScaleFctr_Uls_T_f32) && (StrtStopScaleFctr_Uls_T_f32 < LoaScaleFctr_Uls_T_f32)) ==> False else if (LoaScaleFctr_Uls_T_f32 < OperScaleFctr_Uls_T_f32) ==> False if (OperScaleFctr_Uls_T_f32 <= StOpCtrl_ScaleSV_Uls_M_f32) ==> False if (LoaScaleFctr_Uls_T_f32 <= StOpCtrl_ScaleSV_Uls_M_f32) ==> False if (StrtStopScaleFctr_Uls_T_f32 <= StOpCtrl_ScaleSV_Uls_M_f32) ==> False " TS3.5"if ((StrtStopScaleFctr_Uls_T_f32 < OperScaleFctr_Uls_T_f32) && (StrtStopScaleFctr_Uls_T_f32 < LoaScaleFctr_Uls_T_f32)) ==> True else if (LoaScaleFctr_Uls_T_f32 < OperScaleFctr_Uls_T_f32) ==> False if (OperScaleFctr_Uls_T_f32 <= StOpCtrl_ScaleSV_Uls_M_f32) ==> False if (LoaScaleFctr_Uls_T_f32 <= StOpCtrl_ScaleSV_Uls_M_f32) ==> False if (StrtStopScaleFctr_Uls_T_f32 <= StOpCtrl_ScaleSV_Uls_M_f32) ==> False " TS3.6"if ((StrtStopScaleFctr_Uls_T_f32 < OperScaleFctr_Uls_T_f32) && (StrtStopScaleFctr_Uls_T_f32 < LoaScaleFctr_Uls_T_f32)) ==> False else if (LoaScaleFctr_Uls_T_f32 < OperScaleFctr_Uls_T_f32) ==> True if (OperScaleFctr_Uls_T_f32 <= StOpCtrl_ScaleSV_Uls_M_f32) ==> False if (LoaScaleFctr_Uls_T_f32 <= StOpCtrl_ScaleSV_Uls_M_f32) ==> True if (StrtStopScaleFctr_Uls_T_f32 <= StOpCtrl_ScaleSV_Uls_M_f32) ==> False" TS3.7"if ((StrtStopScaleFctr_Uls_T_f32 < OperScaleFctr_Uls_T_f32) && (StrtStopScaleFctr_Uls_T_f32 < LoaScaleFctr_Uls_T_f32)) ==> True else if (LoaScaleFctr_Uls_T_f32 < OperScaleFctr_Uls_T_f32) ==> False if (OperScaleFctr_Uls_T_f32 <= StOpCtrl_ScaleSV_Uls_M_f32) ==> False if (LoaScaleFctr_Uls_T_f32 <= StOpCtrl_ScaleSV_Uls_M_f32) ==> False if (StrtStopScaleFctr_Uls_T_f32 <= StOpCtrl_ScaleSV_Uls_M_f32) ==> False"

Test Step 3.1 (Repeat Count = 1)

Name	Input Value		
LoaRateLimit_UlspS_T_f32	0.00999999978		
LoaScaleFctr_Uls_T_f32	0		
OperRateLimit_UlspS_T_f32	0.100000001		
OperScaleFctr_Uls_T_f32	0		
SelRampRate_UlspS_T_f32	target_SelRampRate_UlspS_T_f32		
SelRampValue_Uls_T_f32	target_SelRampValue_Uls_T_f32		
StOpCtrl_RateSource_Cnt_M_u08	1		
StOpCtrl_ScaleSV_Uls_M_f32	0		
StOpCtrl_State_Cnt_M_u08	1		
StrtStopRateLimit_UlspS_T_f32	0.00999999978		
StrtStopScaleFctr_Uls_T_f32	0		
Name	Actual Value	Expected Value	Result
StOpCtrl_RateSource_Cnt_M_u08	1	1	✓
StOpCtrl_State_Cnt_M_u08	1	1	✓
target_SelRampRate_UlspS_T_f32	0.100000001	0.100000001	✓
target_SelRampValue_Uls_T_f32	0	0	✓

T				
Actual Function	Count	Expected Function	Count	Result
none	0	*** No Call Expected ***	0	✓

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Test Step 3.2 (Repeat Count = 1)				✓
Name	Input Value			
LoaRateLimit_UlspS_T_f32	0.0399999991			
LoaScaleFctr_Uls_T_f32	0.0299999993			
OperRateLimit_UlspS_T_f32	0.100000001			
OperScaleFctr_Uls_T_f32	0.0599999987			
SelRampRate_UlspS_T_f32	target_SelRampRate_UlspS_T_f32			
SelRampValue_Uls_T_f32	target_SelRampValue_Uls_T_f32			
StOpCtrl_RateSource_Cnt_M_u08	2			
StOpCtrl_ScaleSV_Uls_M_f32	0.0900000036			
StOpCtrl_State_Cnt_M_u08	1			
StrtStopRateLimit_UlspS_T_f32	0.0399999991			
StrtStopScaleFctr_Uls_T_f32	0			
Name	Actual Value	Expected Value	Result	
StOpCtrl_RateSource_Cnt_M_u08	3	3		✓
StOpCtrl_State_Cnt_M_u08	3	3		✓
target_SelRampRate_UlspS_T_f32	0.0399999991	0.0399999991		✓
target_SelRampValue_Uls_T_f32	0	0		✓

T					✓
Actual Function	Count	Expected Function	Count	Result	
none	0	*** No Call Expected ***	0		✓

Test Step 3.3 (Repeat Count = 1)				✓
Name	Input Value			
LoaRateLimit_UlspS_T_f32	0.0599999987			
LoaScaleFctr_Uls_T_f32	0.600000024			
OperRateLimit_UlspS_T_f32	2			
OperScaleFctr_Uls_T_f32	1			
SelRampRate_UlspS_T_f32	target_SelRampRate_UlspS_T_f32			
SelRampValue_Uls_T_f32	target_SelRampValue_Uls_T_f32			
StOpCtrl_RateSource_Cnt_M_u08	2			
StOpCtrl_ScaleSV_Uls_M_f32	0.0099999978			
StOpCtrl_State_Cnt_M_u08	2			
StrtStopRateLimit_UlspS_T_f32	0.0599999987			
StrtStopScaleFctr_Uls_T_f32	0.600000024			
Name	Actual Value	Expected Value	Result	
StOpCtrl_RateSource_Cnt_M_u08	2	2		✓
StOpCtrl_State_Cnt_M_u08	2	2		✓
target_SelRampRate_UlspS_T_f32	0.0599999987	0.0599999987		✓
target_SelRampValue_Uls_T_f32	0.600000024	0.600000024		✓

T					✓
Actual Function	Count	Expected Function	Count	Result	
none	0	*** No Call Expected ***	0		✓

Test Step 3.4 (Repeat Count = 1)				✓
Name	Input Value			
LoaRateLimit_UlspS_T_f32	0.0299999993			
LoaScaleFctr_Uls_T_f32	0.0199999996			
OperRateLimit_UlspS_T_f32	0.5			
OperScaleFctr_Uls_T_f32	0.0500000007			
SelRampRate_UlspS_T_f32	target_SelRampRate_UlspS_T_f32			
SelRampValue_Uls_T_f32	target_SelRampValue_Uls_T_f32			
StOpCtrl_RateSource_Cnt_M_u08	4			
StOpCtrl_ScaleSV_Uls_M_f32	0.0799999982			
StOpCtrl_State_Cnt_M_u08	1			
StrtStopRateLimit_UlspS_T_f32	0.0299999993			
StrtStopScaleFctr_Uls_T_f32	0.5			
Name	Actual Value	Expected Value	Result	
StOpCtrl_RateSource_Cnt_M_u08	2	2		✓
StOpCtrl_State_Cnt_M_u08	2	2		✓
target_SelRampRate_UlspS_T_f32	0.0299999993	0.0299999993		✓
target_SelRampValue_Uls_T_f32	0.0199999996	0.0199999996		✓

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T				
Actual Function	Count	Expected Function	Count	Result
none	0	*** No Call Expected ***	0	✓

Test Step 3.5 (Repeat Count = 1)

Name	Input Value		
LoaRateLimit_UlspS_T_f32	1		
LoaScaleFctr_Uls_T_f32	0.0500000007		
OperRateLimit_UlspS_T_f32	2.0000999		
OperScaleFctr_Uls_T_f32	0.0799999982		
SelRampRate_UlspS_T_f32	target_SelRampRate_UlspS_T_f32		
SelRampValue_Uls_T_f32	target_SelRampValue_Uls_T_f32		
StOpCtrl_RateSource_Cnt_M_u08	3		
StOpCtrl_ScaleSV_Uls_M_f32	0.00999999978		
StOpCtrl_State_Cnt_M_u08	2		
StrtStopRateLimit_UlspS_T_f32	0.100000001		
StrtStopScaleFctr_Uls_T_f32	0.0199999996		
Name	Actual Value	Expected Value	Result
StOpCtrl_RateSource_Cnt_M_u08	3	3	✔
StOpCtrl_State_Cnt_M_u08	3	3	✔
target_SelRampRate_UlspS_T_f32	0.100000001	0.100000001	✔
target_SelRampValue_Uls_T_f32	0.0199999996	0.0199999996	✔

T				
Actual Function	Count	Expected Function	Count	Result
none	0	*** No Call Expected ***	0	✓

Test Step 3.6 (Repeat Count = 1)

Name	Input Value		
LoaRateLimit_UlspS_T_f32	0.00999999978		
LoaScaleFctr_Uls_T_f32	0		
OperRateLimit_UlspS_T_f32	0.400000006		
OperScaleFctr_Uls_T_f32	0.0299999993		
SelRampRate_UlspS_T_f32	target_SelRampRate_UlspS_T_f32		
SelRampValue_Uls_T_f32	target_SelRampValue_Uls_T_f32		
StOpCtrl_RateSource_Cnt_M_u08	2		
StOpCtrl_ScaleSV_Uls_M_f32	0.0599999987		
StOpCtrl_State_Cnt_M_u08	3		
StrtStopRateLimit_UlspS_T_f32	0.00999999978		
StrtStopScaleFctr_Uls_T_f32	0		
Name	Actual Value	Expected Value	Result
StOpCtrl_RateSource_Cnt_M_u08	2	2	✔
StOpCtrl_State_Cnt_M_u08	2	2	✔
target_SelRampRate_UlspS_T_f32	0.00999999978	0.00999999978	✔
target_SelRampValue_Uls_T_f32	0	0	✔

T				
Actual Function	Count	Expected Function	Count	Result
none	0	*** No Call Expected ***	0	✓

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TargetSelection



Test Step 3.7 (Repeat Count = 1)

Name	Input Value
LoaRateLimit_UlspS_T_f32	0.00999999978
LoaScaleFctr_Uls_T_f32	0.05999999987
OperRateLimit_UlspS_T_f32	0.200000003
OperScaleFctr_Uls_T_f32	0.0900000036
SelRampRate_UlspS_T_f32	target_SelRampRate_UlspS_T_f32
SelRampValue_Uls_T_f32	target_SelRampValue_Uls_T_f32
StOpCtrl_RateSource_Cnt_M_u08	4
StOpCtrl_ScaleSV_Uls_M_f32	0.0199999996
StOpCtrl_State_Cnt_M_u08	4
StrtStopRateLimit_UlspS_T_f32	0.00999999978
StrtStopScaleFctr_Uls_T_f32	0.0299999993

Name	Actual Value	Expected Value	Result
StOpCtrl_RateSource_Cnt_M_u08	4	4	✓
StOpCtrl_State_Cnt_M_u08	3	3	✓
target_SelRampRate_UlspS_T_f32	0.00999999978	0.00999999978	✓
target_SelRampValue_Uls_T_f32	0.0299999993	0.0299999993	✓

T				
Actual Function	Count	Expected Function	Count	Result
none	0	*** No Call Expected ***	0	✓

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StOpCtrl_Per1



Project	StOpCtrl
Module	StOpCtrl
Test Object	StOpCtrl_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\FORD_Research_StOpCtrl
Configuration File	D:\Synergy_Work_Area\FORD_Research_StOpCtrl\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)\StOpCtrl\src\Ap_StOpCtrl.c
Compiler Options	-D_DATA_ACCESS=-Dconst=-I\$(PROJECTROOT)\StOpCtrl\utp\contract -I\$(PROJECTROOT)\StOpCtrl\utp\contract\Ap_StOpCtrl -I\$(PROJECTROOT)\NxtLib\include -I\$(PROJECTROOT)\StdDef\include -I\$(ProgramFiles)\Texas Instruments\ccsv4\tools\compiler\tms470\include

Comments/Description/Specification

Name	Text
Module 'StOpCtrl'	*****Unit Test Information***** Name of Tester:Spoorti Mali Code File(s) Under Test:Ap_StOpCtrl.c Code File(s) Version:24 Module Design Document:State_Output_Control_MDD Module Design Document Version:8 Data Dictionary Version:9.1.1 Unit Test Plan Version:6 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):632 Total RAM Used (Bytes):14 Total CALS Used (Bytes):0 Special Test Requirements: Test Date:9/01/2015 Comments:"NOTE1: Inline function defined in ""GlobalMacro.h"" are not unit tested. NOTE2: ""CBD_Sandbox_dbg.map"" map file is embedded for reference. NOTE3: 100% coverage cannot be achieved in ""TargetSelection"" function as default case of ""switch (StOpCtrl_State_Cnt_M_u08)"" can not be covered." *****

Attributes

Name	Value
Compiler Install Path	\$(ProgramFiles)\Texas Instruments\ccsv4\tools\compiler\tms470_4.9.5
Float Precision	9
InitObjDir	\$(PROJECTROOT)\UnitTestEnv\static_build_files\obj
InitSrcDir	\$(PROJECTROOT)\UnitTestEnv\static_build_files\src
Linker File	\$(PROJECTROOT)\UnitTestEnv\static_build_files\sys_link.cmd
Makefile Template	\$(PROJECTROOT)\UnitTestEnv\config\Nexteer_ts_make_ude_ti_tms570.tpl

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StOpCtrl_Per1



Attributes	
Name	Value
Target Install Path	\$(ProgramFiles)\pls\UDE 3.2
Timer Enabled	false
Timer Prescale	0
Timer Resolution	1
Timer Unit	Cycles
UDE Config File	\$(PROJECTROOT)\UnitTestEnv\config\TMS570_UDE_12PIN_JTAG.cfg
Workspace File	D:\Synergy_Work_Area\FORD_Research_StOpCtrl\UnitTestEnv\config\UDE_TMS570_DEBUG.WSP

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StOpCtrl_Per1

Test Case 1: Metrics Test

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

CPU Cycles:

TS1.1 167.00 Cycles
TS1.2 195.00 Cycles

Description Vector Description:

TS1.1 "Shortest Execution Path==>(if (D_TRUE_CNT_LGC == DiagStsDiagRmpActive_Cnt_T_lgc)==>true
if(Abs_f32_m(Scale_Uls_T_f32) > D_EPSILON_ULS_F32)==>True
if((ArbdSt_Cnt_T_u08 == D_OPER_CNT_U08)||
(ArbdSt_Cnt_T_u08 == D_DIAG_CNT_U08))==>True)"
TS1.2 "Longest Execution Path==>(if (D_FALSE_CNT_LGC != RampSrlComSvcDft_Cnt_T_lgc)==>False
if((ArbdSt_Cnt_T_u08 == D_OPER_CNT_U08)||
(ArbdSt_Cnt_T_u08 == D_DIAG_CNT_U08))==>True)"

Test Step 1.1 (Repeat Count = 1)

Name	Input Value		
Rte_Inst_Ap_StOpCtrl	target_Rte_Inst_Ap_StOpCtrl		
StOpCtrl_RateSource_Cnt_M_u08	4		
StOpCtrl_ScaleSV_Uls_M_f32	0		
StOpCtrl_State_Cnt_M_u08	4		
target_Rte_Inst_Ap_StOpCtrl.StOpCtrl_Per1_DiagRampRate_XpmS_f32	target_StOpCtrl_Per1_DiagRampRate_XpmS_f32		
target_Rte_Inst_Ap_StOpCtrl.StOpCtrl_Per1_DiagRampValue_Uls_f32	target_StOpCtrl_Per1_DiagRampValue_Uls_f32		
target_Rte_Inst_Ap_StOpCtrl.StOpCtrl_Per1_DiagStsDiagRmpActive_Cnt_lgc	target_StOpCtrl_Per1_DiagStsDiagRmpActive_Cnt_lgc		
target_Rte_Inst_Ap_StOpCtrl.StOpCtrl_Per1_LoaRateLimit_UlspS_f32	target_StOpCtrl_Per1_LoaRateLimit_UlspS_f32		
target_Rte_Inst_Ap_StOpCtrl.StOpCtrl_Per1_LoaScaleFctr_Uls_f32	target_StOpCtrl_Per1_LoaScaleFctr_Uls_f32		
target_Rte_Inst_Ap_StOpCtrl.StOpCtrl_Per1_OperRampRate_XpmS_f32	target_StOpCtrl_Per1_OperRampRate_XpmS_f32		
target_Rte_Inst_Ap_StOpCtrl.StOpCtrl_Per1_OperRampValue_Uls_f32	target_StOpCtrl_Per1_OperRampValue_Uls_f32		
target_Rte_Inst_Ap_StOpCtrl.StOpCtrl_Per1_OutputRampMult_Uls_f32	target_StOpCtrl_Per1_OutputRampMult_Uls_f32		
target_Rte_Inst_Ap_StOpCtrl.StOpCtrl_Per1_RampSrlComSvcDft_Cnt_lgc	target_StOpCtrl_Per1_RampSrlComSvcDft_Cnt_lgc		
target_Rte_Inst_Ap_StOpCtrl.StOpCtrl_Per1_StrtStopRateLimit_UlspS_f32	target_StOpCtrl_Per1_StrtStopRateLimit_UlspS_f32		
target_Rte_Inst_Ap_StOpCtrl.StOpCtrl_Per1_StrtStopScaleFctr_Uls_f32	target_StOpCtrl_Per1_StrtStopScaleFctr_Uls_f32		
target_Rte_Inst_Ap_StOpCtrl.StOpCtrl_Per1_SysStReqDi_Cnt_lgc	target_StOpCtrl_Per1_SysStReqDi_Cnt_lgc		
target_StOpCtrl_Per1_DiagRampRate_XpmS_f32.value	9.99999975e-005		
target_StOpCtrl_Per1_DiagRampValue_Uls_f32.value	1		
target_StOpCtrl_Per1_DiagStsDiagRmpActive_Cnt_lgc.value	1		
target_StOpCtrl_Per1_LoaRateLimit_UlspS_f32.value	500		
target_StOpCtrl_Per1_LoaScaleFctr_Uls_f32.value	1		
target_StOpCtrl_Per1_OperRampRate_XpmS_f32.value	0.00499999989		
target_StOpCtrl_Per1_OperRampValue_Uls_f32.value	1		
target_StOpCtrl_Per1_RampSrlComSvcDft_Cnt_lgc.value	1		
target_StOpCtrl_Per1_StrtStopRateLimit_UlspS_f32.value	500		
target_StOpCtrl_Per1_StrtStopScaleFctr_Uls_f32.value	1		
Name	Actual Value	Expected Value	Result
StOpCtrl_RateSource_Cnt_M_u08	4	4	✔
StOpCtrl_ScaleSV_Uls_M_f32	1	1 ± 0.000009	✔
StOpCtrl_State_Cnt_M_u08	1	1	✔
target_StOpCtrl_Per1_OutputRampMult_Uls_f32.value	1	1 ± 0.004	✔
target_StOpCtrl_Per1_SysStReqDi_Cnt_lgc.value	0	0	✔

T				
Actual Function	Count	Expected Function	Count	Result
TargetSelection	1	TargetSelection	1	✓

Test Step 1.2 (Repeat Count = 1)

Name	Input Value
Rte_Inst_Ap_StOpCtrl	target_Rte_Inst_Ap_StOpCtrl
StOpCtrl_RateSource_Cnt_M_u08	1
StOpCtrl_ScaleSV_Uls_M_f32	0
StOpCtrl_State_Cnt_M_u08	1
target_Rte_Inst_Ap_StOpCtrl.StOpCtrl_Per1_DiagRampRate_XpmS_f32	target_StOpCtrl_Per1_DiagRampRate_XpmS_f32
target_Rte_Inst_Ap_StOpCtrl.StOpCtrl_Per1_DiagRampValue_Uls_f32	target_StOpCtrl_Per1_DiagRampValue_Uls_f32
target_Rte_Inst_Ap_StOpCtrl.StOpCtrl_Per1_DiagStsDiagRmpActive_Cnt_lgc	target_StOpCtrl_Per1_DiagStsDiagRmpActive_Cnt_lgc
target_Rte_Inst_Ap_StOpCtrl.StOpCtrl_Per1_LoaRateLimit_UlspS_f32	target_StOpCtrl_Per1_LoaRateLimit_UlspS_f32
target_Rte_Inst_Ap_StOpCtrl.StOpCtrl_Per1_LoaScaleFctr_Uls_f32	target_StOpCtrl_Per1_LoaScaleFctr_Uls_f32
target_Rte_Inst_Ap_StOpCtrl.StOpCtrl_Per1_OperRampRate_XpmS_f32	target_StOpCtrl_Per1_OperRampRate_XpmS_f32
target_Rte_Inst_Ap_StOpCtrl.StOpCtrl_Per1_OperRampValue_Uls_f32	target_StOpCtrl_Per1_OperRampValue_Uls_f32
target_Rte_Inst_Ap_StOpCtrl.StOpCtrl_Per1_OutputRampMult_Uls_f32	target_StOpCtrl_Per1_OutputRampMult_Uls_f32

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Name	Input Value		
target_Rte_Inst_Ap_StOpCtrl.StOpCtrl_Per1_RampSrlComSvcDft_Cnt_Igc	target_StOpCtrl_Per1_RampSrlComSvcDft_Cnt_Igc		
target_Rte_Inst_Ap_StOpCtrl.StOpCtrl_Per1_StrtStopRateLimit_UlspS_f32	target_StOpCtrl_Per1_StrtStopRateLimit_UlspS_f32		
target_Rte_Inst_Ap_StOpCtrl.StOpCtrl_Per1_StrtStopScaleFctr_Uls_f32	target_StOpCtrl_Per1_StrtStopScaleFctr_Uls_f32		
target_Rte_Inst_Ap_StOpCtrl.StOpCtrl_Per1_SysStReqDi_Cnt_Igc	target_StOpCtrl_Per1_SysStReqDi_Cnt_Igc		
target_StOpCtrl_Per1_DiagRampRate_XpmS_f32.value	9.99999975e-005		
target_StOpCtrl_Per1_DiagRampValue_Uls_f32.value	0		
target_StOpCtrl_Per1_DiagStsDiagRmpActive_Cnt_Igc.value	0		
target_StOpCtrl_Per1_LoaRateLimit_UlspS_f32.value	0.00999999978		
target_StOpCtrl_Per1_LoaScaleFctr_Uls_f32.value	0		
target_StOpCtrl_Per1_OperRampRate_XpmS_f32.value	9.99999975e-005		
target_StOpCtrl_Per1_OperRampValue_Uls_f32.value	0		
target_StOpCtrl_Per1_RampSrlComSvcDft_Cnt_Igc.value	0		
target_StOpCtrl_Per1_StrtStopRateLimit_UlspS_f32.value	0.100000001		
target_StOpCtrl_Per1_StrtStopScaleFctr_Uls_f32.value	0		
Name	Actual Value	Expected Value	Result
StOpCtrl_RateSource_Cnt_M_u08	1	1	✔
StOpCtrl_ScaleSV_Uls_M_f32	0	0 ± 0.0000009	✔
StOpCtrl_State_Cnt_M_u08	1	1	✔
target_StOpCtrl_Per1_OutputRampMult_Uls_f32.value	0	0 ± 0.004	✔
target_StOpCtrl_Per1_SysStReqDi_Cnt_Igc.value	1	1	✔

T					✓
Actual Function	Count	Expected Function	Count	Result	
TargetSelection	1	TargetSelection	1	✓	

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StOpCtrl_Per1

Test Case 2: Boundary Test

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

CPU Cycles:

TS2.1 193.00 Cycles
TS2.2 177.00 Cycles
TS2.3 193.00 Cycles
TS2.4 182.00 Cycles
TS2.5 193.00 Cycles
TS2.6 197.00 Cycles
TS2.7 193.00 Cycles
TS2.8 198.00 Cycles
TS2.9 195.00 Cycles
TS2.10 181.00 Cycles
TS2.11 202.00 Cycles
TS2.12 185.00 Cycles
TS2.13 191.00 Cycles
TS2.14 193.00 Cycles
TS2.15 201.00 Cycles
TS2.16 186.00 Cycles
TS2.17 194.00 Cycles
TS2.18 180.00 Cycles
TS2.19 193.00 Cycles
TS2.20 182.00 Cycles
TS2.21 196.00 Cycles
TS2.22 196.00 Cycles
TS2.23 180.00 Cycles
TS2.24 180.00 Cycles
TS2.25 180.00 Cycles
TS2.26 192.00 Cycles
TS2.27 180.00 Cycles
TS2.28 190.00 Cycles
TS2.29 193.00 Cycles
TS2.30 180.00 Cycles
TS2.31 180.00 Cycles
TS2.32 193.00 Cycles
TS2.33 180.00 Cycles
TS2.34 182.00 Cycles
TS2.35 193.00 Cycles
TS2.36 180.00 Cycles
TS2.37 180.00 Cycles
TS2.38 180.00 Cycles
TS2.39 190.00 Cycles

Description Vector Description:

TS2.1All Min
TS2.2All Max
TS2.3DiagRampRate_XpmS_f32==>Min
TS2.4DiagRampRate_XpmS_f32==>Max
TS2.5DiagRampRate_XpmS_f32==>Pos
TS2.6DiagRampValue_Uls_f32==>Min
TS2.7DiagRampValue_Uls_f32==>Max
TS2.8DiagRampValue_Uls_f32==>Pos
TS2.9OperRampRate_XpmS_f32==>Min
TS2.10OperRampRate_XpmS_f32==>Max
TS2.11OperRampRate_XpmS_f32==>Pos
TS2.12OperRampValue_Uls_f32==>Min
TS2.13OperRampValue_Uls_f32==>Max
TS2.14OperRampValue_Uls_f32==>Pos
TS2.15RampSrlComSvcDft_Cnt_Igc==>Min
TS2.16RampSrlComSvcDft_Cnt_Igc==>Max
TS2.17DiagStsDiagRmpActive_Cnt_Igc==>Min
TS2.18DiagStsDiagRmpActive_Cnt_Igc==>Max
TS2.19LoaRateLimit_UlspS_f32==>Min
TS2.20LoaRateLimit_UlspS_f32==>Max
TS2.21LoaRateLimit_UlspS_f32==>Pos
TS2.22LoaScaleFctr_Uls_f32==>Min
TS2.23LoaScaleFctr_Uls_f32==>Max
TS2.24LoaScaleFctr_Uls_f32==>Pos
TS2.25StrtStopRateLimit_UlspS_f32==>Min
TS2.26StrtStopRateLimit_UlspS_f32==>Max
TS2.27StrtStopRateLimit_UlspS_f32==>Pos
TS2.28StrtStopScaleFctr_Uls_f32==>Min
TS2.29StrtStopScaleFctr_Uls_f32==>Max
TS2.30StrtStopScaleFctr_Uls_f32==>Pos
TS2.31StOpCtrl_RateSource_Cnt_M_u08==>Min
TS2.32StOpCtrl_RateSource_Cnt_M_u08==>Max
TS2.33StOpCtrl_RateSource_Cnt_M_u08==>Pos
TS2.34StOpCtrl_ScaleSV_Uls_M_f32==>Min
TS2.35StOpCtrl_ScaleSV_Uls_M_f32==>Max
TS2.36StOpCtrl_ScaleSV_Uls_M_f32==>Pos
TS2.37StOpCtrl_State_Cnt_M_u08==>Min
TS2.38StOpCtrl_State_Cnt_M_u08==>Max
TS2.39StOpCtrl_State_Cnt_M_u08==>Pos

Test Step 2.1 (Repeat Count = 1)

Name	Input Value
Rte_Inst_Ap_StOpCtrl	target_Rte_Inst_Ap_StOpCtrl
StOpCtrl_RateSource_Cnt_M_u08	1
StOpCtrl_ScaleSV_Uls_M_f32	0
StOpCtrl_State_Cnt_M_u08	1
target_Rte_Inst_Ap_StOpCtrl.StOpCtrl_Per1_DiagRampRate_XpmS_f32	target_StOpCtrl_Per1_DiagRampRate_XpmS_f32
target_Rte_Inst_Ap_StOpCtrl.StOpCtrl_Per1_DiagRampValue_Uls_f32	target_StOpCtrl_Per1_DiagRampValue_Uls_f32
target_Rte_Inst_Ap_StOpCtrl.StOpCtrl_Per1_DiagStsDiagRmpActive_Cnt_Igc	target_StOpCtrl_Per1_DiagStsDiagRmpActive_Cnt_Igc

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Name	Input Value		
target_Rte_Inst_Ap_StOpCtrl.StOpCtrl_Per1_LoaRateLimit_UlspS_f32	target_StOpCtrl_Per1_LoaRateLimit_UlspS_f32		
target_Rte_Inst_Ap_StOpCtrl.StOpCtrl_Per1_LoaScaleFctr_Uls_f32	target_StOpCtrl_Per1_LoaScaleFctr_Uls_f32		
target_Rte_Inst_Ap_StOpCtrl.StOpCtrl_Per1_OperRampRate_XpmS_f32	target_StOpCtrl_Per1_OperRampRate_XpmS_f32		
target_Rte_Inst_Ap_StOpCtrl.StOpCtrl_Per1_OperRampValue_Uls_f32	target_StOpCtrl_Per1_OperRampValue_Uls_f32		
target_Rte_Inst_Ap_StOpCtrl.StOpCtrl_Per1_OutputRampMult_Uls_f32	target_StOpCtrl_Per1_OutputRampMult_Uls_f32		
target_Rte_Inst_Ap_StOpCtrl.StOpCtrl_Per1_RampSrlComSvcDft_Cnt_Igc	target_StOpCtrl_Per1_RampSrlComSvcDft_Cnt_Igc		
target_Rte_Inst_Ap_StOpCtrl.StOpCtrl_Per1_StrtStopRateLimit_UlspS_f32	target_StOpCtrl_Per1_StrtStopRateLimit_UlspS_f32		
target_Rte_Inst_Ap_StOpCtrl.StOpCtrl_Per1_StrtStopScaleFctr_Uls_f32	target_StOpCtrl_Per1_StrtStopScaleFctr_Uls_f32		
target_Rte_Inst_Ap_StOpCtrl.StOpCtrl_Per1_SysStReqDi_Cnt_Igc	target_StOpCtrl_Per1_SysStReqDi_Cnt_Igc		
target_StOpCtrl_Per1_DiagRampRate_XpmS_f32.value	9.99999975e-005		
target_StOpCtrl_Per1_DiagRampValue_Uls_f32.value	0		
target_StOpCtrl_Per1_DiagStsDiagRmpActive_Cnt_Igc.value	0		
target_StOpCtrl_Per1_LoaRateLimit_UlspS_f32.value	0.00999999978		
target_StOpCtrl_Per1_LoaScaleFctr_Uls_f32.value	0		
target_StOpCtrl_Per1_OperRampRate_XpmS_f32.value	9.99999975e-005		
target_StOpCtrl_Per1_OperRampValue_Uls_f32.value	0		
target_StOpCtrl_Per1_RampSrlComSvcDft_Cnt_Igc.value	0		
target_StOpCtrl_Per1_StrtStopRateLimit_UlspS_f32.value	0.100000001		
target_StOpCtrl_Per1_StrtStopScaleFctr_Uls_f32.value	0		
Name	Actual Value	Expected Value	Result
StOpCtrl_RateSource_Cnt_M_u08	1	1	✔
StOpCtrl_ScaleSV_Uls_M_f32	0	0 ± 0.0000009	✔
StOpCtrl_State_Cnt_M_u08	1	1	✔
target_StOpCtrl_Per1_OutputRampMult_Uls_f32.value	0	0 ± 0.004	✔
target_StOpCtrl_Per1_SysStReqDi_Cnt_Igc.value	1	1	✔

T				
Actual Function	Count	Expected Function	Count	Result
TargetSelection	1	TargetSelection	1	✓

Test Step 2.2 (Repeat Count = 1)				
Name		Input Value		
Rte_Inst_Ap_StOpCtrl		target_Rte_Inst_Ap_StOpCtrl		
StOpCtrl_RateSource_Cnt_M_u08		4		
StOpCtrl_ScaleSV_Uls_M_f32		1		
StOpCtrl_State_Cnt_M_u08		4		
target_Rte_Inst_Ap_StOpCtrl.StOpCtrl_Per1_DiagRampRate_XpmS_f32		target_StOpCtrl_Per1_DiagRampRate_XpmS_f32		
target_Rte_Inst_Ap_StOpCtrl.StOpCtrl_Per1_DiagRampValue_Uls_f32		target_StOpCtrl_Per1_DiagRampValue_Uls_f32		
target_Rte_Inst_Ap_StOpCtrl.StOpCtrl_Per1_DiagStsDiagRmpActive_Cnt_Igc		target_StOpCtrl_Per1_DiagStsDiagRmpActive_Cnt_Igc		
target_Rte_Inst_Ap_StOpCtrl.StOpCtrl_Per1_LoaRateLimit_UlspS_f32		target_StOpCtrl_Per1_LoaRateLimit_UlspS_f32		
target_Rte_Inst_Ap_StOpCtrl.StOpCtrl_Per1_LoaScaleFctr_Uls_f32		target_StOpCtrl_Per1_LoaScaleFctr_Uls_f32		
target_Rte_Inst_Ap_StOpCtrl.StOpCtrl_Per1_OperRampRate_XpmS_f32		target_StOpCtrl_Per1_OperRampRate_XpmS_f32		
target_Rte_Inst_Ap_StOpCtrl.StOpCtrl_Per1_OperRampValue_Uls_f32		target_StOpCtrl_Per1_OperRampValue_Uls_f32		
target_Rte_Inst_Ap_StOpCtrl.StOpCtrl_Per1_OutputRampMult_Uls_f32		target_StOpCtrl_Per1_OutputRampMult_Uls_f32		
target_Rte_Inst_Ap_StOpCtrl.StOpCtrl_Per1_RampSrlComSvcDft_Cnt_Igc		target_StOpCtrl_Per1_RampSrlComSvcDft_Cnt_Igc		
target_Rte_Inst_Ap_StOpCtrl.StOpCtrl_Per1_StrtStopRateLimit_UlspS_f32		target_StOpCtrl_Per1_StrtStopRateLimit_UlspS_f32		
target_Rte_Inst_Ap_StOpCtrl.StOpCtrl_Per1_StrtStopScaleFctr_Uls_f32		target_StOpCtrl_Per1_StrtStopScaleFctr_Uls_f32		
target_Rte_Inst_Ap_StOpCtrl.StOpCtrl_Per1_SysStReqDi_Cnt_Igc		target_StOpCtrl_Per1_SysStReqDi_Cnt_Igc		
target_StOpCtrl_Per1_DiagRampRate_XpmS_f32.value		0.5		
target_StOpCtrl_Per1_DiagRampValue_Uls_f32.value		1		
target_StOpCtrl_Per1_DiagStsDiagRmpActive_Cnt_Igc.value		1		
target_StOpCtrl_Per1_LoaRateLimit_UlspS_f32.value		500		
target_StOpCtrl_Per1_LoaScaleFctr_Uls_f32.value		1		
target_StOpCtrl_Per1_OperRampRate_XpmS_f32.value		0.00499999989		
target_StOpCtrl_Per1_OperRampValue_Uls_f32.value		1		
target_StOpCtrl_Per1_RampSrlComSvcDft_Cnt_Igc.value		1		
target_StOpCtrl_Per1_StrtStopRateLimit_UlspS_f32.value		500		
target_StOpCtrl_Per1_StrtStopScaleFctr_Uls_f32.value		1		
Name	Actual Value	Expected Value	Result	
StOpCtrl_RateSource_Cnt_M_u08	1	1	✔	
StOpCtrl_ScaleSV_Uls_M_f32	1	1 ± 0.000009	✔	
StOpCtrl_State_Cnt_M_u08	1	1	✔	
target_StOpCtrl_Per1_OutputRampMult_Uls_f32.value	1	1 ± 0.004	✔	
target_StOpCtrl_Per1_SysStReqDi_Cnt_Igc.value	0	0	✔	

T				
Actual Function	Count	Expected Function	Count	Result
TargetSelection	1	TargetSelection	1	✓

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StOpCtrl_Per1



Test Step 2.3 (Repeat Count = 1)

Name	Input Value		
Rte_Inst_Ap_StOpCtrl	target_Rte_Inst_Ap_StOpCtrl		
StOpCtrl_RateSource_Cnt_M_u08	1		
StOpCtrl_ScaleSV_Uls_M_f32	0.302492708		
StOpCtrl_State_Cnt_M_u08	2		
target_Rte_Inst_Ap_StOpCtrl.StOpCtrl_Per1_DiagRampRate_XpmS_f32	target_StOpCtrl_Per1_DiagRampRate_XpmS_f32		
target_Rte_Inst_Ap_StOpCtrl.StOpCtrl_Per1_DiagRampValue_Uls_f32	target_StOpCtrl_Per1_DiagRampValue_Uls_f32		
target_Rte_Inst_Ap_StOpCtrl.StOpCtrl_Per1_DiagStsDiagRmpActive_Cnt_Igc	target_StOpCtrl_Per1_DiagStsDiagRmpActive_Cnt_Igc		
target_Rte_Inst_Ap_StOpCtrl.StOpCtrl_Per1_LoaRateLimit_UlspS_f32	target_StOpCtrl_Per1_LoaRateLimit_UlspS_f32		
target_Rte_Inst_Ap_StOpCtrl.StOpCtrl_Per1_LoaScaleFctr_Uls_f32	target_StOpCtrl_Per1_LoaScaleFctr_Uls_f32		
target_Rte_Inst_Ap_StOpCtrl.StOpCtrl_Per1_OperRampRate_XpmS_f32	target_StOpCtrl_Per1_OperRampRate_XpmS_f32		
target_Rte_Inst_Ap_StOpCtrl.StOpCtrl_Per1_OperRampValue_Uls_f32	target_StOpCtrl_Per1_OperRampValue_Uls_f32		
target_Rte_Inst_Ap_StOpCtrl.StOpCtrl_Per1_OutputRampMult_Uls_f32	target_StOpCtrl_Per1_OutputRampMult_Uls_f32		
target_Rte_Inst_Ap_StOpCtrl.StOpCtrl_Per1_RampSrlComSvcDft_Cnt_Igc	target_StOpCtrl_Per1_RampSrlComSvcDft_Cnt_Igc		
target_Rte_Inst_Ap_StOpCtrl.StOpCtrl_Per1_StrtStopRateLimit_UlspS_f32	target_StOpCtrl_Per1_StrtStopRateLimit_UlspS_f32		
target_Rte_Inst_Ap_StOpCtrl.StOpCtrl_Per1_StrtStopScaleFctr_Uls_f32	target_StOpCtrl_Per1_StrtStopScaleFctr_Uls_f32		
target_Rte_Inst_Ap_StOpCtrl.StOpCtrl_Per1_SysStReqDi_Cnt_Igc	target_StOpCtrl_Per1_SysStReqDi_Cnt_Igc		
target_StOpCtrl_Per1_DiagRampRate_XpmS_f32.value	9.99999975e-005		
target_StOpCtrl_Per1_DiagRampValue_Uls_f32.value	0.278027028		
target_StOpCtrl_Per1_DiagStsDiagRmpActive_Cnt_Igc.value	0		
target_StOpCtrl_Per1_LoaRateLimit_UlspS_f32.value	467.263367		
target_StOpCtrl_Per1_LoaScaleFctr_Uls_f32.value	0.913472593		
target_StOpCtrl_Per1_OperRampRate_XpmS_f32.value	0.00184350228		
target_StOpCtrl_Per1_OperRampValue_Uls_f32.value	0.229679927		
target_StOpCtrl_Per1_RampSrlComSvcDft_Cnt_Igc.value	0		
target_StOpCtrl_Per1_StrtStopRateLimit_UlspS_f32.value	12.2960091		
target_StOpCtrl_Per1_StrtStopScaleFctr_Uls_f32.value	0.437346101		
Name	Actual Value	Expected Value	Result
StOpCtrl_RateSource_Cnt_M_u08	1	1	✔
StOpCtrl_ScaleSV_Uls_M_f32	0.298805714	0.298805714 ± 0.0000009	✔
StOpCtrl_State_Cnt_M_u08	1	1	✔
target_StOpCtrl_Per1_OutputRampMult_Uls_f32.value	0.298805714	0.298805714 ± 0.004	✔
target_StOpCtrl_Per1_SysStReqDi_Cnt_Igc.value	0	0	✔

T				
Actual Function	Count	Expected Function	Count	Result
TargetSelection	1	TargetSelection	1	✓

Test Step 2.4 (Repeat Count = 1)

Name	Input Value		
Rte_Inst_Ap_StOpCtrl	target_Rte_Inst_Ap_StOpCtrl		
StOpCtrl_RateSource_Cnt_M_u08	1		
StOpCtrl_ScaleSV_Uls_M_f32	0.874079227		
StOpCtrl_State_Cnt_M_u08	3		
target_Rte_Inst_Ap_StOpCtrl.StOpCtrl_Per1_DiagRampRate_XpmS_f32	target_StOpCtrl_Per1_DiagRampRate_XpmS_f32		
target_Rte_Inst_Ap_StOpCtrl.StOpCtrl_Per1_DiagRampValue_Uls_f32	target_StOpCtrl_Per1_DiagRampValue_Uls_f32		
target_Rte_Inst_Ap_StOpCtrl.StOpCtrl_Per1_DiagStsDiagRmpActive_Cnt_Igc	target_StOpCtrl_Per1_DiagStsDiagRmpActive_Cnt_Igc		
target_Rte_Inst_Ap_StOpCtrl.StOpCtrl_Per1_LoaRateLimit_UlspS_f32	target_StOpCtrl_Per1_LoaRateLimit_UlspS_f32		
target_Rte_Inst_Ap_StOpCtrl.StOpCtrl_Per1_LoaScaleFctr_Uls_f32	target_StOpCtrl_Per1_LoaScaleFctr_Uls_f32		
target_Rte_Inst_Ap_StOpCtrl.StOpCtrl_Per1_OperRampRate_XpmS_f32	target_StOpCtrl_Per1_OperRampRate_XpmS_f32		
target_Rte_Inst_Ap_StOpCtrl.StOpCtrl_Per1_OperRampValue_Uls_f32	target_StOpCtrl_Per1_OperRampValue_Uls_f32		
target_Rte_Inst_Ap_StOpCtrl.StOpCtrl_Per1_OutputRampMult_Uls_f32	target_StOpCtrl_Per1_OutputRampMult_Uls_f32		
target_Rte_Inst_Ap_StOpCtrl.StOpCtrl_Per1_RampSrlComSvcDft_Cnt_Igc	target_StOpCtrl_Per1_RampSrlComSvcDft_Cnt_Igc		
target_Rte_Inst_Ap_StOpCtrl.StOpCtrl_Per1_StrtStopRateLimit_UlspS_f32	target_StOpCtrl_Per1_StrtStopRateLimit_UlspS_f32		
target_Rte_Inst_Ap_StOpCtrl.StOpCtrl_Per1_StrtStopScaleFctr_Uls_f32	target_StOpCtrl_Per1_StrtStopScaleFctr_Uls_f32		
target_Rte_Inst_Ap_StOpCtrl.StOpCtrl_Per1_SysStReqDi_Cnt_Igc	target_StOpCtrl_Per1_SysStReqDi_Cnt_Igc		
target_StOpCtrl_Per1_DiagRampRate_XpmS_f32.value	0.5		
target_StOpCtrl_Per1_DiagRampValue_Uls_f32.value	0.125087604		
target_StOpCtrl_Per1_DiagStsDiagRmpActive_Cnt_Igc.value	1		
target_StOpCtrl_Per1_LoaRateLimit_UlspS_f32.value	400.319458		
target_StOpCtrl_Per1_LoaScaleFctr_Uls_f32.value	0.783863902		
target_StOpCtrl_Per1_OperRampRate_XpmS_f32.value	0.00437599793		
target_StOpCtrl_Per1_OperRampValue_Uls_f32.value	0.430418581		
target_StOpCtrl_Per1_RampSrlComSvcDft_Cnt_Igc.value	1		
target_StOpCtrl_Per1_StrtStopRateLimit_UlspS_f32.value	98.6420746		
target_StOpCtrl_Per1_StrtStopScaleFctr_Uls_f32.value	0.511585534		
Name	Actual Value	Expected Value	Result

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StOpCtrl_Per1

Name	Actual Value	Expected Value	Result
StOpCtrl_RateSource_Cnt_M_u08	1	1	
StOpCtrl_ScaleSV_Uls_M_f32	0.125087604	0.125087604 ± 0.0000009	✓
StOpCtrl_State_Cnt_M_u08	1	1	✓
target_StOpCtrl_Per1_OutputRampMult_Uls_f32.value	0.125087604	0.125087604 ± 0.004	✓
target_StOpCtrl_Per1_SysStReqDi_Cnt_Igc.value	0	0	✓

T				
Actual Function	Count	Expected Function	Count	Result
TargetSelection	1	TargetSelection	1	✓

Test Step 2.5 (Repeat Count = 1)

Name	Input Value		
Rte_Inst_Ap_StOpCtrl	target_Rte_Inst_Ap_StOpCtrl		
StOpCtrl_RateSource_Cnt_M_u08	2		
StOpCtrl_ScaleSV_Uls_M_f32	0.795848608		
StOpCtrl_State_Cnt_M_u08	4		
target_Rte_Inst_Ap_StOpCtrl.StOpCtrl_Per1_DiagRampRate_XpmS_f32	target_StOpCtrl_Per1_DiagRampRate_XpmS_f32		
target_Rte_Inst_Ap_StOpCtrl.StOpCtrl_Per1_DiagRampValue_Uls_f32	target_StOpCtrl_Per1_DiagRampValue_Uls_f32		
target_Rte_Inst_Ap_StOpCtrl.StOpCtrl_Per1_DiagStsDiagRmpActive_Cnt_Igc	target_StOpCtrl_Per1_DiagStsDiagRmpActive_Cnt_Igc		
target_Rte_Inst_Ap_StOpCtrl.StOpCtrl_Per1_LoaRateLimit_UlspS_f32	target_StOpCtrl_Per1_LoaRateLimit_UlspS_f32		
target_Rte_Inst_Ap_StOpCtrl.StOpCtrl_Per1_LoaScaleFctr_Uls_f32	target_StOpCtrl_Per1_LoaScaleFctr_Uls_f32		
target_Rte_Inst_Ap_StOpCtrl.StOpCtrl_Per1_OperRampRate_XpmS_f32	target_StOpCtrl_Per1_OperRampRate_XpmS_f32		
target_Rte_Inst_Ap_StOpCtrl.StOpCtrl_Per1_OperRampValue_Uls_f32	target_StOpCtrl_Per1_OperRampValue_Uls_f32		
target_Rte_Inst_Ap_StOpCtrl.StOpCtrl_Per1_OutputRampMult_Uls_f32	target_StOpCtrl_Per1_OutputRampMult_Uls_f32		
target_Rte_Inst_Ap_StOpCtrl.StOpCtrl_Per1_RampSrlComSvcDft_Cnt_Igc	target_StOpCtrl_Per1_RampSrlComSvcDft_Cnt_Igc		
target_Rte_Inst_Ap_StOpCtrl.StOpCtrl_Per1_StrtStopRateLimit_UlspS_f32	target_StOpCtrl_Per1_StrtStopRateLimit_UlspS_f32		
target_Rte_Inst_Ap_StOpCtrl.StOpCtrl_Per1_StrtStopScaleFctr_Uls_f32	target_StOpCtrl_Per1_StrtStopScaleFctr_Uls_f32		
target_Rte_Inst_Ap_StOpCtrl.StOpCtrl_Per1_SysStReqDi_Cnt_Igc	target_StOpCtrl_Per1_SysStReqDi_Cnt_Igc		
target_StOpCtrl_Per1_DiagRampRate_XpmS_f32.value	0.100000001		
target_StOpCtrl_Per1_DiagRampValue_Uls_f32.value	0.248467639		
target_StOpCtrl_Per1_DiagStsDiagRmpActive_Cnt_Igc.value	0		
target_StOpCtrl_Per1_LoaRateLimit_UlspS_f32.value	19.4142303		
target_StOpCtrl_Per1_LoaScaleFctr_Uls_f32.value	0.890313745		
target_StOpCtrl_Per1_OperRampRate_XpmS_f32.value	0.000856229686		
target_StOpCtrl_Per1_OperRampValue_Uls_f32.value	0.178747743		
target_StOpCtrl_Per1_RampSrlComSvcDft_Cnt_Igc.value	0		
target_StOpCtrl_Per1_StrtStopRateLimit_UlspS_f32.value	347.215179		
target_StOpCtrl_Per1_StrtStopScaleFctr_Uls_f32.value	0.912165463		
Name	Actual Value	Expected Value	Result
StOpCtrl_RateSource_Cnt_M_u08	1	1	✔
StOpCtrl_ScaleSV_Uls_M_f32	0.794136167	0.794136167 ± 0.0000009	✔
StOpCtrl_State_Cnt_M_u08	1	1	✔
target_StOpCtrl_Per1_OutputRampMult_Uls_f32.value	0.794136167	0.794136167 ± 0.004	✔
target_StOpCtrl_Per1_SysStReqDi_Cnt_Igc.value	0	0	✔

T				
Actual Function	Count	Expected Function	Count	Result
TargetSelection	1	TargetSelection	1	✓

Test Step 2.6 (Repeat Count = 1)

Name	Input Value
Rte_Inst_Ap_StOpCtrl	target_Rte_Inst_Ap_StOpCtrl
StOpCtrl_RateSource_Cnt_M_u08	3
StOpCtrl_ScaleSV_Uls_M_f32	0.549617529
StOpCtrl_State_Cnt_M_u08	2
target_Rte_Inst_Ap_StOpCtrl.StOpCtrl_Per1_DiagRampRate_XpmS_f32	target_StOpCtrl_Per1_DiagRampRate_XpmS_f32
target_Rte_Inst_Ap_StOpCtrl.StOpCtrl_Per1_DiagRampValue_Uls_f32	target_StOpCtrl_Per1_DiagRampValue_Uls_f32
target_Rte_Inst_Ap_StOpCtrl.StOpCtrl_Per1_DiagStsDiagRmpActive_Cnt_Igc	target_StOpCtrl_Per1_DiagStsDiagRmpActive_Cnt_Igc
target_Rte_Inst_Ap_StOpCtrl.StOpCtrl_Per1_LoaRateLimit_UlspS_f32	target_StOpCtrl_Per1_LoaRateLimit_UlspS_f32
target_Rte_Inst_Ap_StOpCtrl.StOpCtrl_Per1_LoaScaleFctr_Uls_f32	target_StOpCtrl_Per1_LoaScaleFctr_Uls_f32
target_Rte_Inst_Ap_StOpCtrl.StOpCtrl_Per1_OperRampRate_XpmS_f32	target_StOpCtrl_Per1_OperRampRate_XpmS_f32
target_Rte_Inst_Ap_StOpCtrl.StOpCtrl_Per1_OperRampValue_Uls_f32	target_StOpCtrl_Per1_OperRampValue_Uls_f32
target_Rte_Inst_Ap_StOpCtrl.StOpCtrl_Per1_OutputRampMult_Uls_f32	target_StOpCtrl_Per1_OutputRampMult_Uls_f32
target_Rte_Inst_Ap_StOpCtrl.StOpCtrl_Per1_RampSrlComSvcDft_Cnt_Igc	target_StOpCtrl_Per1_RampSrlComSvcDft_Cnt_Igc
target_Rte_Inst_Ap_StOpCtrl.StOpCtrl_Per1_StrtStopRateLimit_UlspS_f32	target_StOpCtrl_Per1_StrtStopRateLimit_UlspS_f32
target_Rte_Inst_Ap_StOpCtrl.StOpCtrl_Per1_StrtStopScaleFctr_Uls_f32	target_StOpCtrl_Per1_StrtStopScaleFctr_Uls_f32

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StOpCtrl_Per1

Name	Input Value		
target_Rte_Inst_Ap_StOpCtrl.StOpCtrl_Per1_SysStReqDi_Cnt_Igc	target_StOpCtrl_Per1_SysStReqDi_Cnt_Igc		
target_StOpCtrl_Per1_DiagRampRate_XpmS_f32.value	0.302972317		
target_StOpCtrl_Per1_DiagRampValue_Uls_f32.value	0		
target_StOpCtrl_Per1_DiagStsDiagRmpActive_Cnt_Igc.value	1		
target_StOpCtrl_Per1_LoaRateLimit_UlspS_f32.value	470.055634		
target_StOpCtrl_Per1_LoaScaleFctr_Uls_f32.value	0.345170826		
target_StOpCtrl_Per1_OperRampRate_XpmS_f32.value	0.00453384453		
target_StOpCtrl_Per1_OperRampValue_Uls_f32.value	0.285311997		
target_StOpCtrl_Per1_RampSrlComSvcDft_Cnt_Igc.value	1		
target_StOpCtrl_Per1_StrtStopRateLimit_UlspS_f32.value	230.531555		
target_StOpCtrl_Per1_StrtStopScaleFctr_Uls_f32.value	0.0534599125		
Name	Actual Value	Expected Value	Result
StOpCtrl_RateSource_Cnt_M_u08	3	3	✔
StOpCtrl_ScaleSV_Uls_M_f32	0	0 ± 0.0000009	✔
StOpCtrl_State_Cnt_M_u08	3	3	✔
target_StOpCtrl_Per1_OutputRampMult_Uls_f32.value	0	0 ± 0.004	✔
target_StOpCtrl_Per1_SysStReqDi_Cnt_Igc.value	1	1	✔

T					✓
Actual Function	Count	Expected Function	Count	Result	
TargetSelection	1	TargetSelection	1	✓	

Test Step 2.7 (Repeat Count = 1) ✓

Name	Input Value		
Rte_Inst_Ap_StOpCtrl	target_Rte_Inst_Ap_StOpCtrl		
StOpCtrl_RateSource_Cnt_M_u08	4		
StOpCtrl_ScaleSV_Uls_M_f32	0.978491127		
StOpCtrl_State_Cnt_M_u08	1		
target_Rte_Inst_Ap_StOpCtrl.StOpCtrl_Per1_DiagRampRate_XpmS_f32	target_StOpCtrl_Per1_DiagRampRate_XpmS_f32		
target_Rte_Inst_Ap_StOpCtrl.StOpCtrl_Per1_DiagRampValue_Uls_f32	target_StOpCtrl_Per1_DiagRampValue_Uls_f32		
target_Rte_Inst_Ap_StOpCtrl.StOpCtrl_Per1_DiagStsDiagRmpActive_Cnt_Igc	target_StOpCtrl_Per1_DiagStsDiagRmpActive_Cnt_Igc		
target_Rte_Inst_Ap_StOpCtrl.StOpCtrl_Per1_LoaRateLimit_UlspS_f32	target_StOpCtrl_Per1_LoaRateLimit_UlspS_f32		
target_Rte_Inst_Ap_StOpCtrl.StOpCtrl_Per1_LoaScaleFctr_Uls_f32	target_StOpCtrl_Per1_LoaScaleFctr_Uls_f32		
target_Rte_Inst_Ap_StOpCtrl.StOpCtrl_Per1_OperRampRate_XpmS_f32	target_StOpCtrl_Per1_OperRampRate_XpmS_f32		
target_Rte_Inst_Ap_StOpCtrl.StOpCtrl_Per1_OperRampValue_Uls_f32	target_StOpCtrl_Per1_OperRampValue_Uls_f32		
target_Rte_Inst_Ap_StOpCtrl.StOpCtrl_Per1_OutputRampMult_Uls_f32	target_StOpCtrl_Per1_OutputRampMult_Uls_f32		
target_Rte_Inst_Ap_StOpCtrl.StOpCtrl_Per1_RampSrlComSvcDft_Cnt_Igc	target_StOpCtrl_Per1_RampSrlComSvcDft_Cnt_Igc		
target_Rte_Inst_Ap_StOpCtrl.StOpCtrl_Per1_StrtStopRateLimit_UlspS_f32	target_StOpCtrl_Per1_StrtStopRateLimit_UlspS_f32		
target_Rte_Inst_Ap_StOpCtrl.StOpCtrl_Per1_StrtStopScaleFctr_Uls_f32	target_StOpCtrl_Per1_StrtStopScaleFctr_Uls_f32		
target_Rte_Inst_Ap_StOpCtrl.StOpCtrl_Per1_SysStReqDi_Cnt_Igc	target_StOpCtrl_Per1_SysStReqDi_Cnt_Igc		
target_StOpCtrl_Per1_DiagRampRate_XpmS_f32.value	0.0630179122		
target_StOpCtrl_Per1_DiagRampValue_Uls_f32.value	1		
target_StOpCtrl_Per1_DiagStsDiagRmpActive_Cnt_Igc.value	0		
target_StOpCtrl_Per1_LoaRateLimit_UlspS_f32.value	355.155426		
target_StOpCtrl_Per1_LoaScaleFctr_Uls_f32.value	0.37968564		
target_StOpCtrl_Per1_OperRampRate_XpmS_f32.value	0.00150193088		
target_StOpCtrl_Per1_OperRampValue_Uls_f32.value	0.313731551		
target_StOpCtrl_Per1_RampSrlComSvcDft_Cnt_Igc.value	0		
target_StOpCtrl_Per1_StrtStopRateLimit_UlspS_f32.value	499.605286		
target_StOpCtrl_Per1_StrtStopScaleFctr_Uls_f32.value	0.774366021		
Name	Actual Value	Expected Value	Result
StOpCtrl_RateSource_Cnt_M_u08	1	1	✔
StOpCtrl_ScaleSV_Uls_M_f32	0.975487292	0.975487292 ± 0.0000009	✔
StOpCtrl_State_Cnt_M_u08	1	1	✔
target_StOpCtrl_Per1_OutputRampMult_Uls_f32.value	0.975487292	0.975487292 ± 0.004	✔
target_StOpCtrl_Per1_SysStReqDi_Cnt_Igc.value	0	0	✔

T					✓
Actual Function	Count	Expected Function	Count	Result	
TargetSelection	1	TargetSelection	1	✓	

Test Step 2.8 (Repeat Count = 1) ✓

Name	Input Value
Rte_Inst_Ap_StOpCtrl	target_Rte_Inst_Ap_StOpCtrl
StOpCtrl_RateSource_Cnt_M_u08	2
StOpCtrl_ScaleSV_Uls_M_f32	0.491835803

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StOpCtrl_Per1

Name	Input Value		
StOpCtrl_State_Cnt_M_u08	4		
target_Rte_Inst_Ap_StOpCtrl.StOpCtrl_Per1_DiagRampRate_XpmS_f32	target_StOpCtrl_Per1_DiagRampRate_XpmS_f32		
target_Rte_Inst_Ap_StOpCtrl.StOpCtrl_Per1_DiagRampValue_Uls_f32	target_StOpCtrl_Per1_DiagRampValue_Uls_f32		
target_Rte_Inst_Ap_StOpCtrl.StOpCtrl_Per1_DiagStsDiagRmpActive_Cnt_Igc	target_StOpCtrl_Per1_DiagStsDiagRmpActive_Cnt_Igc		
target_Rte_Inst_Ap_StOpCtrl.StOpCtrl_Per1_LoaRateLimit_UlspS_f32	target_StOpCtrl_Per1_LoaRateLimit_UlspS_f32		
target_Rte_Inst_Ap_StOpCtrl.StOpCtrl_Per1_LoaScaleFctr_Uls_f32	target_StOpCtrl_Per1_LoaScaleFctr_Uls_f32		
target_Rte_Inst_Ap_StOpCtrl.StOpCtrl_Per1_OperRampRate_XpmS_f32	target_StOpCtrl_Per1_OperRampRate_XpmS_f32		
target_Rte_Inst_Ap_StOpCtrl.StOpCtrl_Per1_OperRampValue_Uls_f32	target_StOpCtrl_Per1_OperRampValue_Uls_f32		
target_Rte_Inst_Ap_StOpCtrl.StOpCtrl_Per1_OutputRampMult_Uls_f32	target_StOpCtrl_Per1_OutputRampMult_Uls_f32		
target_Rte_Inst_Ap_StOpCtrl.StOpCtrl_Per1_RampSrlComSvcDft_Cnt_Igc	target_StOpCtrl_Per1_RampSrlComSvcDft_Cnt_Igc		
target_Rte_Inst_Ap_StOpCtrl.StOpCtrl_Per1_StrtStopRateLimit_UlspS_f32	target_StOpCtrl_Per1_StrtStopRateLimit_UlspS_f32		
target_Rte_Inst_Ap_StOpCtrl.StOpCtrl_Per1_StrtStopScaleFctr_Uls_f32	target_StOpCtrl_Per1_StrtStopScaleFctr_Uls_f32		
target_Rte_Inst_Ap_StOpCtrl.StOpCtrl_Per1_SysStReqDi_Cnt_Igc	target_StOpCtrl_Per1_SysStReqDi_Cnt_Igc		
target_StOpCtrl_Per1_DiagRampRate_XpmS_f32.value	0.109179109		
target_StOpCtrl_Per1_DiagRampValue_Uls_f32.value	0.5		
target_StOpCtrl_Per1_DiagStsDiagRmpActive_Cnt_Igc.value	0		
target_StOpCtrl_Per1_LoaRateLimit_UlspS_f32.value	62.8037148		
target_StOpCtrl_Per1_LoaScaleFctr_Uls_f32.value	0.0365810841		
target_StOpCtrl_Per1_OperRampRate_XpmS_f32.value	0.00349366385		
target_StOpCtrl_Per1_OperRampValue_Uls_f32.value	0.376354158		
target_StOpCtrl_Per1_RampSrlComSvcDft_Cnt_Igc.value	0		
target_StOpCtrl_Per1_StrtStopRateLimit_UlspS_f32.value	400.485138		
target_StOpCtrl_Per1_StrtStopScaleFctr_Uls_f32.value	0.805990219		
Name	Actual Value	Expected Value	Result
StOpCtrl_RateSource_Cnt_M_u08	2	2	✔
StOpCtrl_ScaleSV_Uls_M_f32	0.366228372	0.366228372 ± 0.0000009	✔
StOpCtrl_State_Cnt_M_u08	2	2	✔
target_StOpCtrl_Per1_OutputRampMult_Uls_f32.value	0.366228372	0.366228372 ± 0.004	✔
target_StOpCtrl_Per1_SysStReqDi_Cnt_Igc.value	0	0	✔

T					✓
Actual Function	Count	Expected Function	Count	Result	
TargetSelection	1	TargetSelection	1	✓	

Test Step 2.9 (Repeat Count = 1)				
Name		Input Value		
Rte_Inst_Ap_StOpCtrl		target_Rte_Inst_Ap_StOpCtrl		
StOpCtrl_RateSource_Cnt_M_u08		1		
StOpCtrl_ScaleSV_Uls_M_f32		0.903346658		
StOpCtrl_State_Cnt_M_u08		1		
target_Rte_Inst_Ap_StOpCtrl.StOpCtrl_Per1_DiagRampRate_XpmS_f32		target_StOpCtrl_Per1_DiagRampRate_XpmS_f32		
target_Rte_Inst_Ap_StOpCtrl.StOpCtrl_Per1_DiagRampValue_Uls_f32		target_StOpCtrl_Per1_DiagRampValue_Uls_f32		
target_Rte_Inst_Ap_StOpCtrl.StOpCtrl_Per1_DiagStsDiagRmpActive_Cnt_Igc		target_StOpCtrl_Per1_DiagStsDiagRmpActive_Cnt_Igc		
target_Rte_Inst_Ap_StOpCtrl.StOpCtrl_Per1_LoaRateLimit_UlspS_f32		target_StOpCtrl_Per1_LoaRateLimit_UlspS_f32		
target_Rte_Inst_Ap_StOpCtrl.StOpCtrl_Per1_LoaScaleFctr_Uls_f32		target_StOpCtrl_Per1_LoaScaleFctr_Uls_f32		
target_Rte_Inst_Ap_StOpCtrl.StOpCtrl_Per1_OperRampRate_XpmS_f32		target_StOpCtrl_Per1_OperRampRate_XpmS_f32		
target_Rte_Inst_Ap_StOpCtrl.StOpCtrl_Per1_OperRampValue_Uls_f32		target_StOpCtrl_Per1_OperRampValue_Uls_f32		
target_Rte_Inst_Ap_StOpCtrl.StOpCtrl_Per1_OutputRampMult_Uls_f32		target_StOpCtrl_Per1_OutputRampMult_Uls_f32		
target_Rte_Inst_Ap_StOpCtrl.StOpCtrl_Per1_RampSrlComSvcDft_Cnt_Igc		target_StOpCtrl_Per1_RampSrlComSvcDft_Cnt_Igc		
target_Rte_Inst_Ap_StOpCtrl.StOpCtrl_Per1_StrtStopRateLimit_UlspS_f32		target_StOpCtrl_Per1_StrtStopRateLimit_UlspS_f32		
target_Rte_Inst_Ap_StOpCtrl.StOpCtrl_Per1_StrtStopScaleFctr_Uls_f32		target_StOpCtrl_Per1_StrtStopScaleFctr_Uls_f32		
target_Rte_Inst_Ap_StOpCtrl.StOpCtrl_Per1_SysStReqDi_Cnt_Igc		target_StOpCtrl_Per1_SysStReqDi_Cnt_Igc		
target_StOpCtrl_Per1_DiagRampRate_XpmS_f32.value		0.401654392		
target_StOpCtrl_Per1_DiagRampValue_Uls_f32.value		0.417788565		
target_StOpCtrl_Per1_DiagStsDiagRmpActive_Cnt_Igc.value		1		
target_StOpCtrl_Per1_LoaRateLimit_UlspS_f32.value		255.977127		
target_StOpCtrl_Per1_LoaScaleFctr_Uls_f32.value		0.889059067		
target_StOpCtrl_Per1_OperRampRate_XpmS_f32.value		9.99999975e-005		
target_StOpCtrl_Per1_OperRampValue_Uls_f32.value		0.356350482		
target_StOpCtrl_Per1_RampSrlComSvcDft_Cnt_Igc.value		0		
target_StOpCtrl_Per1_StrtStopRateLimit_UlspS_f32.value		104.680313		
target_StOpCtrl_Per1_StrtStopScaleFctr_Uls_f32.value		0.372262955		
Name	Actual Value	Expected Value	Result	
StOpCtrl_RateSource_Cnt_M_u08	1	1	✔	
StOpCtrl_ScaleSV_Uls_M_f32	0.417788565	0.417788565 ± 0.0000009	✔	
StOpCtrl_State_Cnt_M_u08	1	1	✔	
target_StOpCtrl_Per1_OutputRampMult_Uls_f32.value	0.417788565	0.417788565 ± 0.004	✔	
target_StOpCtrl_Per1_SysStReqDi_Cnt_Igc.value	0	0	✔	

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StOpCtrl_Per1

T				
Actual Function	Count	Expected Function	Count	Result
TargetSelection	1	TargetSelection	1	✓

Test Step 2.10 (Repeat Count = 1)

Name	Input Value		
Rte_Inst_Ap_StOpCtrl	target_Rte_Inst_Ap_StOpCtrl		
StOpCtrl_RateSource_Cnt_M_u08	4		
StOpCtrl_ScaleSV_Uls_M_f32	0.912750721		
StOpCtrl_State_Cnt_M_u08	2		
target_Rte_Inst_Ap_StOpCtrl.StOpCtrl_Per1_DiagRampRate_XpmS_f32	target_StOpCtrl_Per1_DiagRampRate_XpmS_f32		
target_Rte_Inst_Ap_StOpCtrl.StOpCtrl_Per1_DiagRampValue_Uls_f32	target_StOpCtrl_Per1_DiagRampValue_Uls_f32		
target_Rte_Inst_Ap_StOpCtrl.StOpCtrl_Per1_DiagStsDiagRmpActive_Cnt_Igc	target_StOpCtrl_Per1_DiagStsDiagRmpActive_Cnt_Igc		
target_Rte_Inst_Ap_StOpCtrl.StOpCtrl_Per1_LoaRateLimit_UlspS_f32	target_StOpCtrl_Per1_LoaRateLimit_UlspS_f32		
target_Rte_Inst_Ap_StOpCtrl.StOpCtrl_Per1_LoaScaleFctr_Uls_f32	target_StOpCtrl_Per1_LoaScaleFctr_Uls_f32		
target_Rte_Inst_Ap_StOpCtrl.StOpCtrl_Per1_OperRampRate_XpmS_f32	target_StOpCtrl_Per1_OperRampRate_XpmS_f32		
target_Rte_Inst_Ap_StOpCtrl.StOpCtrl_Per1_OperRampValue_Uls_f32	target_StOpCtrl_Per1_OperRampValue_Uls_f32		
target_Rte_Inst_Ap_StOpCtrl.StOpCtrl_Per1_OutputRampMult_Uls_f32	target_StOpCtrl_Per1_OutputRampMult_Uls_f32		
target_Rte_Inst_Ap_StOpCtrl.StOpCtrl_Per1_RampSrlComSvcDft_Cnt_Igc	target_StOpCtrl_Per1_RampSrlComSvcDft_Cnt_Igc		
target_Rte_Inst_Ap_StOpCtrl.StOpCtrl_Per1_StrtStopRateLimit_UlspS_f32	target_StOpCtrl_Per1_StrtStopRateLimit_UlspS_f32		
target_Rte_Inst_Ap_StOpCtrl.StOpCtrl_Per1_StrtStopScaleFctr_Uls_f32	target_StOpCtrl_Per1_StrtStopScaleFctr_Uls_f32		
target_Rte_Inst_Ap_StOpCtrl.StOpCtrl_Per1_SysStReqDi_Cnt_Igc	target_StOpCtrl_Per1_SysStReqDi_Cnt_Igc		
target_StOpCtrl_Per1_DiagRampRate_XpmS_f32.value	0.43549338		
target_StOpCtrl_Per1_DiagRampValue_Uls_f32.value	0.341149598		
target_StOpCtrl_Per1_DiagStsDiagRmpActive_Cnt_Igc.value	1		
target_StOpCtrl_Per1_LoaRateLimit_UlspS_f32.value	174.657196		
target_StOpCtrl_Per1_LoaScaleFctr_Uls_f32.value	0.247193187		
target_StOpCtrl_Per1_OperRampRate_XpmS_f32.value	0.00499999989		
target_StOpCtrl_Per1_OperRampValue_Uls_f32.value	0.0995012149		
target_StOpCtrl_Per1_RampSrlComSvcDft_Cnt_Igc.value	1		
target_StOpCtrl_Per1_StrtStopRateLimit_UlspS_f32.value	270.846985		
target_StOpCtrl_Per1_StrtStopScaleFctr_Uls_f32.value	0.271981448		
Name	Actual Value	Expected Value	Result
StOpCtrl_RateSource_Cnt_M_u08	1	1	✔
StOpCtrl_ScaleSV_Uls_M_f32	0.341149598	0.341149598 ± 0.0000009	✔
StOpCtrl_State_Cnt_M_u08	1	1	✔
target_StOpCtrl_Per1_OutputRampMult_Uls_f32.value	0.341149598	0.341149598 ± 0.004	✔
target_StOpCtrl_Per1_SysStReqDi_Cnt_Igc.value	0	0	✔

T				
Actual Function	Count	Expected Function	Count	Result
TargetSelection	1	TargetSelection	1	✓

Test Step 2.11 (Repeat Count = 1)

Name	Input Value
Rte_Inst_Ap_StOpCtrl	target_Rte_Inst_Ap_StOpCtrl
StOpCtrl_RateSource_Cnt_M_u08	1
StOpCtrl_ScaleSV_Uls_M_f32	0.374679446
StOpCtrl_State_Cnt_M_u08	3
target_Rte_Inst_Ap_StOpCtrl.StOpCtrl_Per1_DiagRampRate_XpmS_f32	target_StOpCtrl_Per1_DiagRampRate_XpmS_f32
target_Rte_Inst_Ap_StOpCtrl.StOpCtrl_Per1_DiagRampValue_Uls_f32	target_StOpCtrl_Per1_DiagRampValue_Uls_f32
target_Rte_Inst_Ap_StOpCtrl.StOpCtrl_Per1_DiagStsDiagRmpActive_Cnt_Igc	target_StOpCtrl_Per1_DiagStsDiagRmpActive_Cnt_Igc
target_Rte_Inst_Ap_StOpCtrl.StOpCtrl_Per1_LoaRateLimit_UlspS_f32	target_StOpCtrl_Per1_LoaRateLimit_UlspS_f32
target_Rte_Inst_Ap_StOpCtrl.StOpCtrl_Per1_LoaScaleFctr_Uls_f32	target_StOpCtrl_Per1_LoaScaleFctr_Uls_f32
target_Rte_Inst_Ap_StOpCtrl.StOpCtrl_Per1_OperRampRate_XpmS_f32	target_StOpCtrl_Per1_OperRampRate_XpmS_f32
target_Rte_Inst_Ap_StOpCtrl.StOpCtrl_Per1_OperRampValue_Uls_f32	target_StOpCtrl_Per1_OperRampValue_Uls_f32
target_Rte_Inst_Ap_StOpCtrl.StOpCtrl_Per1_OutputRampMult_Uls_f32	target_StOpCtrl_Per1_OutputRampMult_Uls_f32
target_Rte_Inst_Ap_StOpCtrl.StOpCtrl_Per1_RampSrlComSvcDft_Cnt_Igc	target_StOpCtrl_Per1_RampSrlComSvcDft_Cnt_Igc
target_Rte_Inst_Ap_StOpCtrl.StOpCtrl_Per1_StrtStopRateLimit_UlspS_f32	target_StOpCtrl_Per1_StrtStopRateLimit_UlspS_f32
target_Rte_Inst_Ap_StOpCtrl.StOpCtrl_Per1_StrtStopScaleFctr_Uls_f32	target_StOpCtrl_Per1_StrtStopScaleFctr_Uls_f32
target_Rte_Inst_Ap_StOpCtrl.StOpCtrl_Per1_SysStReqDi_Cnt_Igc	target_StOpCtrl_Per1_SysStReqDi_Cnt_Igc
target_StOpCtrl_Per1_DiagRampRate_XpmS_f32.value	0.250740886
target_StOpCtrl_Per1_DiagRampValue_Uls_f32.value	0.450032115
target_StOpCtrl_Per1_DiagStsDiagRmpActive_Cnt_Igc.value	1
target_StOpCtrl_Per1_LoaRateLimit_UlspS_f32.value	120.650238
target_StOpCtrl_Per1_LoaScaleFctr_Uls_f32.value	0.102508686
target_StOpCtrl_Per1_OperRampRate_XpmS_f32.value	0.00200000009

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StOpCtrl_Per1

Name	Input Value		
target_StOpCtrl_Per1_OperRampValue_Uls_f32.value	0.309367985		
target_StOpCtrl_Per1_RampSrlComSvcDft_Cnt_Igc.value	0		
target_StOpCtrl_Per1_StrtStopRateLimit_UlspS_f32.value	351.57251		
target_StOpCtrl_Per1_StrtStopScaleFctr_Uls_f32.value	0.254598081		
Name	Actual Value	Expected Value	Result
StOpCtrl_RateSource_Cnt_M_u08	2	2	✔
StOpCtrl_ScaleSV_Uls_M_f32	0.450032115	0.450032115 ± 0.0000009	✔
StOpCtrl_State_Cnt_M_u08	2	2	✔
target_StOpCtrl_Per1_OutputRampMult_Uls_f32.value	0.450032115	0.450032115 ± 0.004	✔
target_StOpCtrl_Per1_SysStReqDi_Cnt_Igc.value	0	0	✔

T					✓
Actual Function	Count	Expected Function	Count	Result	
TargetSelection	1	TargetSelection	1	✓	

Test Step 2.12 (Repeat Count = 1) ✓

Name	Input Value		
Rte_Inst_Ap_StOpCtrl	target_Rte_Inst_Ap_StOpCtrl		
StOpCtrl_RateSource_Cnt_M_u08	2		
StOpCtrl_ScaleSV_Uls_M_f32	0.302492708		
StOpCtrl_State_Cnt_M_u08	4		
target_Rte_Inst_Ap_StOpCtrl.StOpCtrl_Per1_DiagRampRate_XpmS_f32	target_StOpCtrl_Per1_DiagRampRate_XpmS_f32		
target_Rte_Inst_Ap_StOpCtrl.StOpCtrl_Per1_DiagRampValue_Uls_f32	target_StOpCtrl_Per1_DiagRampValue_Uls_f32		
target_Rte_Inst_Ap_StOpCtrl.StOpCtrl_Per1_DiagStsDiagRmpActive_Cnt_Igc	target_StOpCtrl_Per1_DiagStsDiagRmpActive_Cnt_Igc		
target_Rte_Inst_Ap_StOpCtrl.StOpCtrl_Per1_LoaRateLimit_UlspS_f32	target_StOpCtrl_Per1_LoaRateLimit_UlspS_f32		
target_Rte_Inst_Ap_StOpCtrl.StOpCtrl_Per1_LoaScaleFctr_Uls_f32	target_StOpCtrl_Per1_LoaScaleFctr_Uls_f32		
target_Rte_Inst_Ap_StOpCtrl.StOpCtrl_Per1_OperRampRate_XpmS_f32	target_StOpCtrl_Per1_OperRampRate_XpmS_f32		
target_Rte_Inst_Ap_StOpCtrl.StOpCtrl_Per1_OperRampValue_Uls_f32	target_StOpCtrl_Per1_OperRampValue_Uls_f32		
target_Rte_Inst_Ap_StOpCtrl.StOpCtrl_Per1_OutputRampMult_Uls_f32	target_StOpCtrl_Per1_OutputRampMult_Uls_f32		
target_Rte_Inst_Ap_StOpCtrl.StOpCtrl_Per1_RampSrlComSvcDft_Cnt_Igc	target_StOpCtrl_Per1_RampSrlComSvcDft_Cnt_Igc		
target_Rte_Inst_Ap_StOpCtrl.StOpCtrl_Per1_StrtStopRateLimit_UlspS_f32	target_StOpCtrl_Per1_StrtStopRateLimit_UlspS_f32		
target_Rte_Inst_Ap_StOpCtrl.StOpCtrl_Per1_StrtStopScaleFctr_Uls_f32	target_StOpCtrl_Per1_StrtStopScaleFctr_Uls_f32		
target_Rte_Inst_Ap_StOpCtrl.StOpCtrl_Per1_SysStReqDi_Cnt_Igc	target_StOpCtrl_Per1_SysStReqDi_Cnt_Igc		
target_StOpCtrl_Per1_DiagRampRate_XpmS_f32.value	0.17081669		
target_StOpCtrl_Per1_DiagRampValue_Uls_f32.value	0.332862049		
target_StOpCtrl_Per1_DiagStsDiagRmpActive_Cnt_Igc.value	0		
target_StOpCtrl_Per1_LoaRateLimit_UlspS_f32.value	224.334244		
target_StOpCtrl_Per1_LoaScaleFctr_Uls_f32.value	0.883540571		
target_StOpCtrl_Per1_OperRampRate_XpmS_f32.value	0.00277462602		
target_StOpCtrl_Per1_OperRampValue_Uls_f32.value	0		
target_StOpCtrl_Per1_RampSrlComSvcDft_Cnt_Igc.value	1		
target_StOpCtrl_Per1_StrtStopRateLimit_UlspS_f32.value	472.720032		
target_StOpCtrl_Per1_StrtStopScaleFctr_Uls_f32.value	0.912750721		
Name	Actual Value	Expected Value	Result
StOpCtrl_RateSource_Cnt_M_u08	1	1	✔
StOpCtrl_ScaleSV_Uls_M_f32	0	0 ± 0.0000009	✔
StOpCtrl_State_Cnt_M_u08	1	1	✔
target_StOpCtrl_Per1_OutputRampMult_Uls_f32.value	0	0 ± 0.004	✔
target_StOpCtrl_Per1_SysStReqDi_Cnt_Igc.value	1	1	✔

T					✓
Actual Function	Count	Expected Function	Count	Result	
TargetSelection	1	TargetSelection	1	✓	

Test Step 2.13 (Repeat Count = 1) ✓

Name	Input Value
Rte_Inst_Ap_StOpCtrl	target_Rte_Inst_Ap_StOpCtrl
StOpCtrl_RateSource_Cnt_M_u08	3
StOpCtrl_ScaleSV_Uls_M_f32	0.874079227
StOpCtrl_State_Cnt_M_u08	2
target_Rte_Inst_Ap_StOpCtrl.StOpCtrl_Per1_DiagRampRate_XpmS_f32	target_StOpCtrl_Per1_DiagRampRate_XpmS_f32
target_Rte_Inst_Ap_StOpCtrl.StOpCtrl_Per1_DiagRampValue_Uls_f32	target_StOpCtrl_Per1_DiagRampValue_Uls_f32
target_Rte_Inst_Ap_StOpCtrl.StOpCtrl_Per1_DiagStsDiagRmpActive_Cnt_Igc	target_StOpCtrl_Per1_DiagStsDiagRmpActive_Cnt_Igc
target_Rte_Inst_Ap_StOpCtrl.StOpCtrl_Per1_LoaRateLimit_UlspS_f32	target_StOpCtrl_Per1_LoaRateLimit_UlspS_f32
target_Rte_Inst_Ap_StOpCtrl.StOpCtrl_Per1_LoaScaleFctr_Uls_f32	target_StOpCtrl_Per1_LoaScaleFctr_Uls_f32
target_Rte_Inst_Ap_StOpCtrl.StOpCtrl_Per1_OperRampRate_XpmS_f32	target_StOpCtrl_Per1_OperRampRate_XpmS_f32

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StOpCtrl_Per1

Name	Input Value		
target_Rte_Inst_Ap_StOpCtrl.StOpCtrl_Per1_OperRampValue_Uls_f32	target_StOpCtrl_Per1_OperRampValue_Uls_f32		
target_Rte_Inst_Ap_StOpCtrl.StOpCtrl_Per1_OutputRampMult_Uls_f32	target_StOpCtrl_Per1_OutputRampMult_Uls_f32		
target_Rte_Inst_Ap_StOpCtrl.StOpCtrl_Per1_RampSrlComSvcDft_Cnt_Igc	target_StOpCtrl_Per1_RampSrlComSvcDft_Cnt_Igc		
target_Rte_Inst_Ap_StOpCtrl.StOpCtrl_Per1_StrtStopRateLimit_UlspS_f32	target_StOpCtrl_Per1_StrtStopRateLimit_UlspS_f32		
target_Rte_Inst_Ap_StOpCtrl.StOpCtrl_Per1_StrtStopScaleFctr_Uls_f32	target_StOpCtrl_Per1_StrtStopScaleFctr_Uls_f32		
target_Rte_Inst_Ap_StOpCtrl.StOpCtrl_Per1_SysStReqDi_Cnt_Igc	target_StOpCtrl_Per1_SysStReqDi_Cnt_Igc		
target_StOpCtrl_Per1_DiagRampRate_XpmS_f32.value	0.149735615		
target_StOpCtrl_Per1_DiagRampValue_Uls_f32.value	0.496800482		
target_StOpCtrl_Per1_DiagStsDiagRmpActive_Cnt_Igc.value	1		
target_StOpCtrl_Per1_LoaRateLimit_UlspS_f32.value	337.882721		
target_StOpCtrl_Per1_LoaScaleFctr_Uls_f32.value	0.605523407		
target_StOpCtrl_Per1_OperRampRate_XpmS_f32.value	0.00274528307		
target_StOpCtrl_Per1_OperRampValue_Uls_f32.value	1		
target_StOpCtrl_Per1_RampSrlComSvcDft_Cnt_Igc.value	1		
target_StOpCtrl_Per1_StrtStopRateLimit_UlspS_f32.value	399.68866		
target_StOpCtrl_Per1_StrtStopScaleFctr_Uls_f32.value	0.374679446		
Name	Actual Value	Expected Value	Result
StOpCtrl_RateSource_Cnt_M_u08	3	3	✔
StOpCtrl_ScaleSV_Uls_M_f32	0.496800482	0.496800482 ± 0.0000009	✔
StOpCtrl_State_Cnt_M_u08	3	3	✔
target_StOpCtrl_Per1_OutputRampMult_Uls_f32.value	0.496800482	0.496800482 ± 0.004	✔
target_StOpCtrl_Per1_SysStReqDi_Cnt_Igc.value	0	0	✔

T				
Actual Function	Count	Expected Function	Count	Result
TargetSelection	1	TargetSelection	1	✓

Test Step 2.14 (Repeat Count = 1)				
Name		Input Value		
Rte_Inst_Ap_StOpCtrl		target_Rte_Inst_Ap_StOpCtrl		
StOpCtrl_RateSource_Cnt_M_u08		4		
StOpCtrl_ScaleSV_Uls_M_f32		0.795848608		
StOpCtrl_State_Cnt_M_u08		4		
target_Rte_Inst_Ap_StOpCtrl.StOpCtrl_Per1_DiagRampRate_XpmS_f32		target_StOpCtrl_Per1_DiagRampRate_XpmS_f32		
target_Rte_Inst_Ap_StOpCtrl.StOpCtrl_Per1_DiagRampValue_Uls_f32		target_StOpCtrl_Per1_DiagRampValue_Uls_f32		
target_Rte_Inst_Ap_StOpCtrl.StOpCtrl_Per1_DiagStsDiagRmpActive_Cnt_Igc		target_StOpCtrl_Per1_DiagStsDiagRmpActive_Cnt_Igc		
target_Rte_Inst_Ap_StOpCtrl.StOpCtrl_Per1_LoaRateLimit_UlspS_f32		target_StOpCtrl_Per1_LoaRateLimit_UlspS_f32		
target_Rte_Inst_Ap_StOpCtrl.StOpCtrl_Per1_LoaScaleFctr_Uls_f32		target_StOpCtrl_Per1_LoaScaleFctr_Uls_f32		
target_Rte_Inst_Ap_StOpCtrl.StOpCtrl_Per1_OperRampRate_XpmS_f32		target_StOpCtrl_Per1_OperRampRate_XpmS_f32		
target_Rte_Inst_Ap_StOpCtrl.StOpCtrl_Per1_OperRampValue_Uls_f32		target_StOpCtrl_Per1_OperRampValue_Uls_f32		
target_Rte_Inst_Ap_StOpCtrl.StOpCtrl_Per1_OutputRampMult_Uls_f32		target_StOpCtrl_Per1_OutputRampMult_Uls_f32		
target_Rte_Inst_Ap_StOpCtrl.StOpCtrl_Per1_RampSrlComSvcDft_Cnt_Igc		target_StOpCtrl_Per1_RampSrlComSvcDft_Cnt_Igc		
target_Rte_Inst_Ap_StOpCtrl.StOpCtrl_Per1_StrtStopRateLimit_UlspS_f32		target_StOpCtrl_Per1_StrtStopRateLimit_UlspS_f32		
target_Rte_Inst_Ap_StOpCtrl.StOpCtrl_Per1_StrtStopScaleFctr_Uls_f32		target_StOpCtrl_Per1_StrtStopScaleFctr_Uls_f32		
target_Rte_Inst_Ap_StOpCtrl.StOpCtrl_Per1_SysStReqDi_Cnt_Igc		target_StOpCtrl_Per1_SysStReqDi_Cnt_Igc		
target_StOpCtrl_Per1_DiagRampRate_XpmS_f32.value		0.227583542		
target_StOpCtrl_Per1_DiagRampValue_Uls_f32.value		0.114147879		
target_StOpCtrl_Per1_DiagStsDiagRmpActive_Cnt_Igc.value		0		
target_StOpCtrl_Per1_LoaRateLimit_UlspS_f32.value		237.553909		
target_StOpCtrl_Per1_LoaScaleFctr_Uls_f32.value		0.770338356		
target_StOpCtrl_Per1_OperRampRate_XpmS_f32.value		0.00141481787		
target_StOpCtrl_Per1_OperRampValue_Uls_f32.value		0.5		
target_StOpCtrl_Per1_RampSrlComSvcDft_Cnt_Igc.value		0		
target_StOpCtrl_Per1_StrtStopRateLimit_UlspS_f32.value		141.127426		
target_StOpCtrl_Per1_StrtStopScaleFctr_Uls_f32.value		0.809498906		
Name	Actual Value	Expected Value	Result	
StOpCtrl_RateSource_Cnt_M_u08	1	1	✔	
StOpCtrl_ScaleSV_Uls_M_f32	0.793018997	0.793018997 ± 0.0000009	✔	
StOpCtrl_State_Cnt_M_u08	1	1	✔	
target_StOpCtrl_Per1_OutputRampMult_Uls_f32.value	0.793018997	0.793018997 ± 0.004	✔	
target_StOpCtrl_Per1_SysStReqDi_Cnt_Igc.value	0	0	✔	

T				
Actual Function	Count	Expected Function	Count	Result
TargetSelection	1	TargetSelection	1	✓

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StOpCtrl_Per1

Test Step 2.15 (Repeat Count = 1)

Name	Input Value		
Rte_Inst_Ap_StOpCtrl	target_Rte_Inst_Ap_StOpCtrl		
StOpCtrl_RateSource_Cnt_M_u08	4		
StOpCtrl_ScaleSV_Uls_M_f32	0.912750721		
StOpCtrl_State_Cnt_M_u08	2		
target_Rte_Inst_Ap_StOpCtrl.StOpCtrl_Per1_DiagRampRate_XpmS_f32	target_StOpCtrl_Per1_DiagRampRate_XpmS_f32		
target_Rte_Inst_Ap_StOpCtrl.StOpCtrl_Per1_DiagRampValue_Uls_f32	target_StOpCtrl_Per1_DiagRampValue_Uls_f32		
target_Rte_Inst_Ap_StOpCtrl.StOpCtrl_Per1_DiagStsDiagRmpActive_Cnt_Igc	target_StOpCtrl_Per1_DiagStsDiagRmpActive_Cnt_Igc		
target_Rte_Inst_Ap_StOpCtrl.StOpCtrl_Per1_LoaRateLimit_UlspS_f32	target_StOpCtrl_Per1_LoaRateLimit_UlspS_f32		
target_Rte_Inst_Ap_StOpCtrl.StOpCtrl_Per1_LoaScaleFctr_Uls_f32	target_StOpCtrl_Per1_LoaScaleFctr_Uls_f32		
target_Rte_Inst_Ap_StOpCtrl.StOpCtrl_Per1_OperRampRate_XpmS_f32	target_StOpCtrl_Per1_OperRampRate_XpmS_f32		
target_Rte_Inst_Ap_StOpCtrl.StOpCtrl_Per1_OperRampValue_Uls_f32	target_StOpCtrl_Per1_OperRampValue_Uls_f32		
target_Rte_Inst_Ap_StOpCtrl.StOpCtrl_Per1_OutputRampMult_Uls_f32	target_StOpCtrl_Per1_OutputRampMult_Uls_f32		
target_Rte_Inst_Ap_StOpCtrl.StOpCtrl_Per1_RampSrlComSvcDft_Cnt_Igc	target_StOpCtrl_Per1_RampSrlComSvcDft_Cnt_Igc		
target_Rte_Inst_Ap_StOpCtrl.StOpCtrl_Per1_StrtStopRateLimit_UlspS_f32	target_StOpCtrl_Per1_StrtStopRateLimit_UlspS_f32		
target_Rte_Inst_Ap_StOpCtrl.StOpCtrl_Per1_StrtStopScaleFctr_Uls_f32	target_StOpCtrl_Per1_StrtStopScaleFctr_Uls_f32		
target_Rte_Inst_Ap_StOpCtrl.StOpCtrl_Per1_SysStReqDi_Cnt_Igc	target_StOpCtrl_Per1_SysStReqDi_Cnt_Igc		
target_StOpCtrl_Per1_DiagRampRate_XpmS_f32.value	0.450168639		
target_StOpCtrl_Per1_DiagRampValue_Uls_f32.value	0.0773187354		
target_StOpCtrl_Per1_DiagStsDiagRmpActive_Cnt_Igc.value	1		
target_StOpCtrl_Per1_LoaRateLimit_UlspS_f32.value	0.00999999978		
target_StOpCtrl_Per1_LoaScaleFctr_Uls_f32.value	0.47720623		
target_StOpCtrl_Per1_OperRampRate_XpmS_f32.value	0.00453384453		
target_StOpCtrl_Per1_OperRampValue_Uls_f32.value	0.313731551		
target_StOpCtrl_Per1_RampSrlComSvcDft_Cnt_Igc.value	0		
target_StOpCtrl_Per1_StrtStopRateLimit_UlspS_f32.value	75.9448013		
target_StOpCtrl_Per1_StrtStopScaleFctr_Uls_f32.value	0.874079227		
Name	Actual Value	Expected Value	Result
StOpCtrl_RateSource_Cnt_M_u08	1	1	✔
StOpCtrl_ScaleSV_Uls_M_f32	0.0773187354	0.0773187354 ± 0.00000009	✔
StOpCtrl_State_Cnt_M_u08	1	1	✔
target_StOpCtrl_Per1_OutputRampMult_Uls_f32.value	0.0773187354	0.0773187354 ± 0.004	✔
target_StOpCtrl_Per1_SysStReqDi_Cnt_Igc.value	0	0	✔

T	Actual Function	Count	Expected Function	Count	Result
	TargetSelection	1	TargetSelection	1	✓

Test Step 2.16 (Repeat Count = 1)

Name	Input Value		
Rte_Inst_Ap_StOpCtrl	target_Rte_Inst_Ap_StOpCtrl		
StOpCtrl_RateSource_Cnt_M_u08	4		
StOpCtrl_ScaleSV_Uls_M_f32	0.978491127		
StOpCtrl_State_Cnt_M_u08	2		
target_Rte_Inst_Ap_StOpCtrl.StOpCtrl_Per1_DiagRampRate_XpmS_f32	target_StOpCtrl_Per1_DiagRampRate_XpmS_f32		
target_Rte_Inst_Ap_StOpCtrl.StOpCtrl_Per1_DiagRampValue_Uls_f32	target_StOpCtrl_Per1_DiagRampValue_Uls_f32		
target_Rte_Inst_Ap_StOpCtrl.StOpCtrl_Per1_DiagStsDiagRmpActive_Cnt_Igc	target_StOpCtrl_Per1_DiagStsDiagRmpActive_Cnt_Igc		
target_Rte_Inst_Ap_StOpCtrl.StOpCtrl_Per1_LoaRateLimit_UlspS_f32	target_StOpCtrl_Per1_LoaRateLimit_UlspS_f32		
target_Rte_Inst_Ap_StOpCtrl.StOpCtrl_Per1_LoaScaleFctr_Uls_f32	target_StOpCtrl_Per1_LoaScaleFctr_Uls_f32		
target_Rte_Inst_Ap_StOpCtrl.StOpCtrl_Per1_OperRampRate_XpmS_f32	target_StOpCtrl_Per1_OperRampRate_XpmS_f32		
target_Rte_Inst_Ap_StOpCtrl.StOpCtrl_Per1_OperRampValue_Uls_f32	target_StOpCtrl_Per1_OperRampValue_Uls_f32		
target_Rte_Inst_Ap_StOpCtrl.StOpCtrl_Per1_OutputRampMult_Uls_f32	target_StOpCtrl_Per1_OutputRampMult_Uls_f32		
target_Rte_Inst_Ap_StOpCtrl.StOpCtrl_Per1_RampSrlComSvcDft_Cnt_Igc	target_StOpCtrl_Per1_RampSrlComSvcDft_Cnt_Igc		
target_Rte_Inst_Ap_StOpCtrl.StOpCtrl_Per1_StrtStopRateLimit_UlspS_f32	target_StOpCtrl_Per1_StrtStopRateLimit_UlspS_f32		
target_Rte_Inst_Ap_StOpCtrl.StOpCtrl_Per1_StrtStopScaleFctr_Uls_f32	target_StOpCtrl_Per1_StrtStopScaleFctr_Uls_f32		
target_Rte_Inst_Ap_StOpCtrl.StOpCtrl_Per1_SysStReqDi_Cnt_Igc	target_StOpCtrl_Per1_SysStReqDi_Cnt_Igc		
target_StOpCtrl_Per1_DiagRampRate_XpmS_f32.value	0.4540025		
target_StOpCtrl_Per1_DiagRampValue_Uls_f32.value	0.369179547		
target_StOpCtrl_Per1_DiagStsDiagRmpActive_Cnt_Igc.value	1		
target_StOpCtrl_Per1_LoaRateLimit_UlspS_f32.value	378.217407		
target_StOpCtrl_Per1_LoaScaleFctr_Uls_f32.value	0.137388721		
target_StOpCtrl_Per1_OperRampRate_XpmS_f32.value	0.00184350228		
target_StOpCtrl_Per1_OperRampValue_Uls_f32.value	0.430418581		
target_StOpCtrl_Per1_RampSrlComSvcDft_Cnt_Igc.value	1		
target_StOpCtrl_Per1_StrtStopRateLimit_UlspS_f32.value	179.716095		
target_StOpCtrl_Per1_StrtStopScaleFctr_Uls_f32.value	0.532755435		
Name	Actual Value	Expected Value	Result
StOpCtrl_RateSource_Cnt_M_u08	2	2	✓
StOpCtrl_ScaleSV_Uls_M_f32	0.369179547	0.369179547 ± 0.0000009	✓

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StOpCtrl_Per1

Name	Actual Value	Expected Value	Result
StOpCtrl_State_Cnt_M_u08	2	2	✓
target_StOpCtrl_Per1_OutputRampMult_Uls_f32.value	0.369179547	0.369179547 ± 0.004	✓
target_StOpCtrl_Per1_SysStReqDi_Cnt_Igc.value	0	0	✓

T				
Actual Function	Count	Expected Function	Count	Result
TargetSelection	1	TargetSelection	1	✓

Test Step 2.17 (Repeat Count = 1)

Name	Input Value		
Rte_Inst_Ap_StOpCtrl	target_Rte_Inst_Ap_StOpCtrl		
StOpCtrl_RateSource_Cnt_M_u08	1		
StOpCtrl_ScaleSV_Uls_M_f32	0.491835803		
StOpCtrl_State_Cnt_M_u08	4		
target_Rte_Inst_Ap_StOpCtrl.StOpCtrl_Per1_DiagRampRate_XpmS_f32	target_StOpCtrl_Per1_DiagRampRate_XpmS_f32		
target_Rte_Inst_Ap_StOpCtrl.StOpCtrl_Per1_DiagRampValue_Uls_f32	target_StOpCtrl_Per1_DiagRampValue_Uls_f32		
target_Rte_Inst_Ap_StOpCtrl.StOpCtrl_Per1_DiagStsDiagRmpActive_Cnt_Igc	target_StOpCtrl_Per1_DiagStsDiagRmpActive_Cnt_Igc		
target_Rte_Inst_Ap_StOpCtrl.StOpCtrl_Per1_LoaRateLimit_UlspS_f32	target_StOpCtrl_Per1_LoaRateLimit_UlspS_f32		
target_Rte_Inst_Ap_StOpCtrl.StOpCtrl_Per1_LoaScaleFctr_Uls_f32	target_StOpCtrl_Per1_LoaScaleFctr_Uls_f32		
target_Rte_Inst_Ap_StOpCtrl.StOpCtrl_Per1_OperRampRate_XpmS_f32	target_StOpCtrl_Per1_OperRampRate_XpmS_f32		
target_Rte_Inst_Ap_StOpCtrl.StOpCtrl_Per1_OperRampValue_Uls_f32	target_StOpCtrl_Per1_OperRampValue_Uls_f32		
target_Rte_Inst_Ap_StOpCtrl.StOpCtrl_Per1_OutputRampMult_Uls_f32	target_StOpCtrl_Per1_OutputRampMult_Uls_f32		
target_Rte_Inst_Ap_StOpCtrl.StOpCtrl_Per1_RampSrlComSvcDft_Cnt_Igc	target_StOpCtrl_Per1_RampSrlComSvcDft_Cnt_Igc		
target_Rte_Inst_Ap_StOpCtrl.StOpCtrl_Per1_StrtStopRateLimit_UlspS_f32	target_StOpCtrl_Per1_StrtStopRateLimit_UlspS_f32		
target_Rte_Inst_Ap_StOpCtrl.StOpCtrl_Per1_StrtStopScaleFctr_Uls_f32	target_StOpCtrl_Per1_StrtStopScaleFctr_Uls_f32		
target_Rte_Inst_Ap_StOpCtrl.StOpCtrl_Per1_SysStReqDi_Cnt_Igc	target_StOpCtrl_Per1_SysStReqDi_Cnt_Igc		
target_StOpCtrl_Per1_DiagRampRate_XpmS_f32.value	0.324026555		
target_StOpCtrl_Per1_DiagRampValue_Uls_f32.value	0.14401643		
target_StOpCtrl_Per1_DiagStsDiagRmpActive_Cnt_Igc.value	0		
target_StOpCtrl_Per1_LoaRateLimit_UlspS_f32.value	235.665161		
target_StOpCtrl_Per1_LoaScaleFctr_Uls_f32.value	0.196203798		
target_StOpCtrl_Per1_OperRampRate_XpmS_f32.value	0.00437599793		
target_StOpCtrl_Per1_OperRampValue_Uls_f32.value	0.178747743		
target_StOpCtrl_Per1_RampSrlComSvcDft_Cnt_Igc.value	0		
target_StOpCtrl_Per1_StrtStopRateLimit_UlspS_f32.value	483.425446		
target_StOpCtrl_Per1_StrtStopScaleFctr_Uls_f32.value	0.601612389		
Name	Actual Value	Expected Value	Result
StOpCtrl_RateSource_Cnt_M_u08	1	1	✔
StOpCtrl_ScaleSV_Uls_M_f32	0.483083814	0.483083814 ± 0.0000009	✔
StOpCtrl_State_Cnt_M_u08	1	1	✔
target_StOpCtrl_Per1_OutputRampMult_Uls_f32.value	0.483083814	0.483083814 ± 0.004	✔
target_StOpCtrl_Per1_SysStReqDi_Cnt_Igc.value	0	0	✔

T				
Actual Function	Count	Expected Function	Count	Result
TargetSelection	1	TargetSelection	1	✓

Test Step 2.18 (Repeat Count = 1)

Name	Input Value
Rte_Inst_Ap_StOpCtrl	target_Rte_Inst_Ap_StOpCtrl
StOpCtrl_RateSource_Cnt_M_u08	2
StOpCtrl_ScaleSV_Uls_M_f32	0.903346658
StOpCtrl_State_Cnt_M_u08	1
target_Rte_Inst_Ap_StOpCtrl.StOpCtrl_Per1_DiagRampRate_XpmS_f32	target_StOpCtrl_Per1_DiagRampRate_XpmS_f32
target_Rte_Inst_Ap_StOpCtrl.StOpCtrl_Per1_DiagRampValue_Uls_f32	target_StOpCtrl_Per1_DiagRampValue_Uls_f32
target_Rte_Inst_Ap_StOpCtrl.StOpCtrl_Per1_DiagStsDiagRmpActive_Cnt_Igc	target_StOpCtrl_Per1_DiagStsDiagRmpActive_Cnt_Igc
target_Rte_Inst_Ap_StOpCtrl.StOpCtrl_Per1_LoaRateLimit_UlspS_f32	target_StOpCtrl_Per1_LoaRateLimit_UlspS_f32
target_Rte_Inst_Ap_StOpCtrl.StOpCtrl_Per1_LoaScaleFctr_Uls_f32	target_StOpCtrl_Per1_LoaScaleFctr_Uls_f32
target_Rte_Inst_Ap_StOpCtrl.StOpCtrl_Per1_OperRampRate_XpmS_f32	target_StOpCtrl_Per1_OperRampRate_XpmS_f32
target_Rte_Inst_Ap_StOpCtrl.StOpCtrl_Per1_OperRampValue_Uls_f32	target_StOpCtrl_Per1_OperRampValue_Uls_f32
target_Rte_Inst_Ap_StOpCtrl.StOpCtrl_Per1_OutputRampMult_Uls_f32	target_StOpCtrl_Per1_OutputRampMult_Uls_f32
target_Rte_Inst_Ap_StOpCtrl.StOpCtrl_Per1_RampSrlComSvcDft_Cnt_Igc	target_StOpCtrl_Per1_RampSrlComSvcDft_Cnt_Igc
target_Rte_Inst_Ap_StOpCtrl.StOpCtrl_Per1_StrtStopRateLimit_UlspS_f32	target_StOpCtrl_Per1_StrtStopRateLimit_UlspS_f32
target_Rte_Inst_Ap_StOpCtrl.StOpCtrl_Per1_StrtStopScaleFctr_Uls_f32	target_StOpCtrl_Per1_StrtStopScaleFctr_Uls_f32
target_Rte_Inst_Ap_StOpCtrl.StOpCtrl_Per1_SysStReqDi_Cnt_Igc	target_StOpCtrl_Per1_SysStReqDi_Cnt_Igc
target_StOpCtrl_Per1_DiagRampRate_XpmS_f32.value	0.300142467

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StOpCtrl_Per1

Name	Input Value		
target_StOpCtrl_Per1_DiagRampValue_Uls_f32.value	0.0840428099		
target_StOpCtrl_Per1_DiagStsDiagRmpActive_Cnt_Igc.value	1		
target_StOpCtrl_Per1_LoaRateLimit_UlspS_f32.value	428.495758		
target_StOpCtrl_Per1_LoaScaleFctr_Uls_f32.value	0.522839844		
target_StOpCtrl_Per1_OperRampRate_XpmS_f32.value	0.000856229686		
target_StOpCtrl_Per1_OperRampValue_Uls_f32.value	0.285311997		
target_StOpCtrl_Per1_RampSrlComSvcDft_Cnt_Igc.value	1		
target_StOpCtrl_Per1_StrtStopRateLimit_UlspS_f32.value	401.115234		
target_StOpCtrl_Per1_StrtStopScaleFctr_Uls_f32.value	0.302492708		
Name	Actual Value	Expected Value	Result
StOpCtrl_RateSource_Cnt_M_u08	1	1	✔
StOpCtrl_ScaleSV_Uls_M_f32	0.0840428099	0.0840428099 ± 0.00000009	✔
StOpCtrl_State_Cnt_M_u08	1	1	✔
target_StOpCtrl_Per1_OutputRampMult_Uls_f32.value	0.0840428099	0.0840428099 ± 0.004	✔
target_StOpCtrl_Per1_SysStReqDi_Cnt_Igc.value	0	0	✔

T				
Actual Function	Count	Expected Function	Count	Result
TargetSelection	1	TargetSelection	1	✓

Test Step 2.19 (Repeat Count = 1)

Name	Input Value		
Rte_Inst_Ap_StOpCtrl	target_Rte_Inst_Ap_StOpCtrl		
StOpCtrl_RateSource_Cnt_M_u08	4		
StOpCtrl_ScaleSV_Uls_M_f32	0.912750721		
StOpCtrl_State_Cnt_M_u08	2		
target_Rte_Inst_Ap_StOpCtrl.StOpCtrl_Per1_DiagRampRate_XpmS_f32	target_StOpCtrl_Per1_DiagRampRate_XpmS_f32		
target_Rte_Inst_Ap_StOpCtrl.StOpCtrl_Per1_DiagRampValue_Uls_f32	target_StOpCtrl_Per1_DiagRampValue_Uls_f32		
target_Rte_Inst_Ap_StOpCtrl.StOpCtrl_Per1_DiagStsDiagRmpActive_Cnt_Igc	target_StOpCtrl_Per1_DiagStsDiagRmpActive_Cnt_Igc		
target_Rte_Inst_Ap_StOpCtrl.StOpCtrl_Per1_LoaRateLimit_UlspS_f32	target_StOpCtrl_Per1_LoaRateLimit_UlspS_f32		
target_Rte_Inst_Ap_StOpCtrl.StOpCtrl_Per1_LoaScaleFctr_Uls_f32	target_StOpCtrl_Per1_LoaScaleFctr_Uls_f32		
target_Rte_Inst_Ap_StOpCtrl.StOpCtrl_Per1_OperRampRate_XpmS_f32	target_StOpCtrl_Per1_OperRampRate_XpmS_f32		
target_Rte_Inst_Ap_StOpCtrl.StOpCtrl_Per1_OperRampValue_Uls_f32	target_StOpCtrl_Per1_OperRampValue_Uls_f32		
target_Rte_Inst_Ap_StOpCtrl.StOpCtrl_Per1_OutputRampMult_Uls_f32	target_StOpCtrl_Per1_OutputRampMult_Uls_f32		
target_Rte_Inst_Ap_StOpCtrl.StOpCtrl_Per1_RampSrlComSvcDft_Cnt_Igc	target_StOpCtrl_Per1_RampSrlComSvcDft_Cnt_Igc		
target_Rte_Inst_Ap_StOpCtrl.StOpCtrl_Per1_StrtStopRateLimit_UlspS_f32	target_StOpCtrl_Per1_StrtStopRateLimit_UlspS_f32		
target_Rte_Inst_Ap_StOpCtrl.StOpCtrl_Per1_StrtStopScaleFctr_Uls_f32	target_StOpCtrl_Per1_StrtStopScaleFctr_Uls_f32		
target_Rte_Inst_Ap_StOpCtrl.StOpCtrl_Per1_SysStReqDi_Cnt_Igc	target_StOpCtrl_Per1_SysStReqDi_Cnt_Igc		
target_StOpCtrl_Per1_DiagRampRate_XpmS_f32.value	0.450168639		
target_StOpCtrl_Per1_DiagRampValue_Uls_f32.value	0.0773187354		
target_StOpCtrl_Per1_DiagStsDiagRmpActive_Cnt_Igc.value	1		
target_StOpCtrl_Per1_LoaRateLimit_UlspS_f32.value	0.00999999978		
target_StOpCtrl_Per1_LoaScaleFctr_Uls_f32.value	0.47720623		
target_StOpCtrl_Per1_OperRampRate_XpmS_f32.value	0.00453384453		
target_StOpCtrl_Per1_OperRampValue_Uls_f32.value	0.313731551		
target_StOpCtrl_Per1_RampSrlComSvcDft_Cnt_Igc.value	0		
target_StOpCtrl_Per1_StrtStopRateLimit_UlspS_f32.value	75.9448013		
target_StOpCtrl_Per1_StrtStopScaleFctr_Uls_f32.value	0.874079227		
Name	Actual Value	Expected Value	Result
StOpCtrl_RateSource_Cnt_M_u08	1	1	✔
StOpCtrl_ScaleSV_Uls_M_f32	0.0773187354	0.0773187354 ± 0.00000009	✔
StOpCtrl_State_Cnt_M_u08	1	1	✔
target_StOpCtrl_Per1_OutputRampMult_Uls_f32.value	0.0773187354	0.0773187354 ± 0.004	✔
target_StOpCtrl_Per1_SysStReqDi_Cnt_Igc.value	0	0	✔

T				
Actual Function	Count	Expected Function	Count	Result
TargetSelection	1	TargetSelection	1	✓

Test Step 2.20 (Repeat Count = 1)

Name	Input Value
Rte_Inst_Ap_StOpCtrl	target_Rte_Inst_Ap_StOpCtrl
StOpCtrl_RateSource_Cnt_M_u08	1
StOpCtrl_ScaleSV_Uls_M_f32	0.374679446
StOpCtrl_State_Cnt_M_u08	2
target_Rte_Inst_Ap_StOpCtrl.StOpCtrl_Per1_DiagRampRate_XpmS_f32	target_StOpCtrl_Per1_DiagRampRate_XpmS_f32

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StOpCtrl_Per1

Name	Input Value		
target_Rte_Inst_Ap_StOpCtrl.StOpCtrl_Per1_DiagRampValue_Uls_f32	target_StOpCtrl_Per1_DiagRampValue_Uls_f32		
target_Rte_Inst_Ap_StOpCtrl.StOpCtrl_Per1_DiagStsDiagRmpActive_Cnt_Igc	target_StOpCtrl_Per1_DiagStsDiagRmpActive_Cnt_Igc		
target_Rte_Inst_Ap_StOpCtrl.StOpCtrl_Per1_LoaRateLimit_UlspS_f32	target_StOpCtrl_Per1_LoaRateLimit_UlspS_f32		
target_Rte_Inst_Ap_StOpCtrl.StOpCtrl_Per1_LoaScaleFctr_Uls_f32	target_StOpCtrl_Per1_LoaScaleFctr_Uls_f32		
target_Rte_Inst_Ap_StOpCtrl.StOpCtrl_Per1_OperRampRate_XpmS_f32	target_StOpCtrl_Per1_OperRampRate_XpmS_f32		
target_Rte_Inst_Ap_StOpCtrl.StOpCtrl_Per1_OperRampValue_Uls_f32	target_StOpCtrl_Per1_OperRampValue_Uls_f32		
target_Rte_Inst_Ap_StOpCtrl.StOpCtrl_Per1_OutputRampMult_Uls_f32	target_StOpCtrl_Per1_OutputRampMult_Uls_f32		
target_Rte_Inst_Ap_StOpCtrl.StOpCtrl_Per1_RampSrlComSvcDft_Cnt_Igc	target_StOpCtrl_Per1_RampSrlComSvcDft_Cnt_Igc		
target_Rte_Inst_Ap_StOpCtrl.StOpCtrl_Per1_StrtStopRateLimit_UlspS_f32	target_StOpCtrl_Per1_StrtStopRateLimit_UlspS_f32		
target_Rte_Inst_Ap_StOpCtrl.StOpCtrl_Per1_StrtStopScaleFctr_Uls_f32	target_StOpCtrl_Per1_StrtStopScaleFctr_Uls_f32		
target_Rte_Inst_Ap_StOpCtrl.StOpCtrl_Per1_SysStReqDi_Cnt_Igc	target_StOpCtrl_Per1_SysStReqDi_Cnt_Igc		
target_StOpCtrl_Per1_DiagRampRate_XpmS_f32.value	0.347135067		
target_StOpCtrl_Per1_DiagRampValue_Uls_f32.value	0.133428857		
target_StOpCtrl_Per1_DiagStsDiagRmpActive_Cnt_Igc.value	1		
target_StOpCtrl_Per1_LoaRateLimit_UlspS_f32.value	500		
target_StOpCtrl_Per1_LoaScaleFctr_Uls_f32.value	0.919257522		
target_StOpCtrl_Per1_OperRampRate_XpmS_f32.value	0.00150193088		
target_StOpCtrl_Per1_OperRampValue_Uls_f32.value	0.376354158		
target_StOpCtrl_Per1_RampSrlComSvcDft_Cnt_Igc.value	1		
target_StOpCtrl_Per1_StrtStopRateLimit_UlspS_f32.value	437.837311		
target_StOpCtrl_Per1_StrtStopScaleFctr_Uls_f32.value	0.795848608		
Name	Actual Value	Expected Value	Result
StOpCtrl_RateSource_Cnt_M_u08	1	1	✔
StOpCtrl_ScaleSV_Uls_M_f32	0.133428857	0.133428857 ± 0.0000009	✔
StOpCtrl_State_Cnt_M_u08	1	1	✔
target_StOpCtrl_Per1_OutputRampMult_Uls_f32.value	0.133428857	0.133428857 ± 0.004	✔
target_StOpCtrl_Per1_SysStReqDi_Cnt_Igc.value	0	0	✔

T				
Actual Function	Count	Expected Function	Count	Result
TargetSelection	1	TargetSelection	1	✓

Test Step 2.21 (Repeat Count = 1)				
Name		Input Value		
Rte_Inst_Ap_StOpCtrl		target_Rte_Inst_Ap_StOpCtrl		
StOpCtrl_RateSource_Cnt_M_u08		2		
StOpCtrl_ScaleSV_Uls_M_f32		0.271981448		
StOpCtrl_State_Cnt_M_u08		3		
target_Rte_Inst_Ap_StOpCtrl.StOpCtrl_Per1_DiagRampRate_XpmS_f32		target_StOpCtrl_Per1_DiagRampRate_XpmS_f32		
target_Rte_Inst_Ap_StOpCtrl.StOpCtrl_Per1_DiagRampValue_Uls_f32		target_StOpCtrl_Per1_DiagRampValue_Uls_f32		
target_Rte_Inst_Ap_StOpCtrl.StOpCtrl_Per1_DiagStsDiagRmpActive_Cnt_Igc		target_StOpCtrl_Per1_DiagStsDiagRmpActive_Cnt_Igc		
target_Rte_Inst_Ap_StOpCtrl.StOpCtrl_Per1_LoaRateLimit_UlspS_f32		target_StOpCtrl_Per1_LoaRateLimit_UlspS_f32		
target_Rte_Inst_Ap_StOpCtrl.StOpCtrl_Per1_LoaScaleFctr_Uls_f32		target_StOpCtrl_Per1_LoaScaleFctr_Uls_f32		
target_Rte_Inst_Ap_StOpCtrl.StOpCtrl_Per1_OperRampRate_XpmS_f32		target_StOpCtrl_Per1_OperRampRate_XpmS_f32		
target_Rte_Inst_Ap_StOpCtrl.StOpCtrl_Per1_OperRampValue_Uls_f32		target_StOpCtrl_Per1_OperRampValue_Uls_f32		
target_Rte_Inst_Ap_StOpCtrl.StOpCtrl_Per1_OutputRampMult_Uls_f32		target_StOpCtrl_Per1_OutputRampMult_Uls_f32		
target_Rte_Inst_Ap_StOpCtrl.StOpCtrl_Per1_RampSrlComSvcDft_Cnt_Igc		target_StOpCtrl_Per1_RampSrlComSvcDft_Cnt_Igc		
target_Rte_Inst_Ap_StOpCtrl.StOpCtrl_Per1_StrtStopRateLimit_UlspS_f32		target_StOpCtrl_Per1_StrtStopRateLimit_UlspS_f32		
target_Rte_Inst_Ap_StOpCtrl.StOpCtrl_Per1_StrtStopScaleFctr_Uls_f32		target_StOpCtrl_Per1_StrtStopScaleFctr_Uls_f32		
target_Rte_Inst_Ap_StOpCtrl.StOpCtrl_Per1_SysStReqDi_Cnt_Igc		target_StOpCtrl_Per1_SysStReqDi_Cnt_Igc		
target_StOpCtrl_Per1_DiagRampRate_XpmS_f32.value		0.118045613		
target_StOpCtrl_Per1_DiagRampValue_Uls_f32.value		0.300215781		
target_StOpCtrl_Per1_DiagStsDiagRmpActive_Cnt_Igc.value		0		
target_StOpCtrl_Per1_LoaRateLimit_UlspS_f32.value		499.035156		
target_StOpCtrl_Per1_LoaScaleFctr_Uls_f32.value		0.185756475		
target_StOpCtrl_Per1_OperRampRate_XpmS_f32.value		0.00349366385		
target_StOpCtrl_Per1_OperRampValue_Uls_f32.value		0.356350482		
target_StOpCtrl_Per1_RampSrlComSvcDft_Cnt_Igc.value		0		
target_StOpCtrl_Per1_StrtStopRateLimit_UlspS_f32.value		339.307495		
target_StOpCtrl_Per1_StrtStopScaleFctr_Uls_f32.value		0.549617529		
Name	Actual Value	Expected Value	Result	
StOpCtrl_RateSource_Cnt_M_u08	2	2	✔	
StOpCtrl_ScaleSV_Uls_M_f32	0.185756475	0.185756475 ± 0.0000009	✔	
StOpCtrl_State_Cnt_M_u08	2	2	✔	
target_StOpCtrl_Per1_OutputRampMult_Uls_f32.value	0.185756475	0.185756475 ± 0.004	✔	
target_StOpCtrl_Per1_SysStReqDi_Cnt_Igc.value	0	0	✔	

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StOpCtrl_Per1

T				
Actual Function	Count	Expected Function	Count	Result
TargetSelection	1	TargetSelection	1	✓

Test Step 2.22 (Repeat Count = 1)

Name	Input Value		
Rte_Inst_Ap_StOpCtrl	target_Rte_Inst_Ap_StOpCtrl		
StOpCtrl_RateSource_Cnt_M_u08	2		
StOpCtrl_ScaleSV_Uls_M_f32	0.254598081		
StOpCtrl_State_Cnt_M_u08	4		
target_Rte_Inst_Ap_StOpCtrl.StOpCtrl_Per1_DiagRampRate_XpmS_f32	target_StOpCtrl_Per1_DiagRampRate_XpmS_f32		
target_Rte_Inst_Ap_StOpCtrl.StOpCtrl_Per1_DiagRampValue_Uls_f32	target_StOpCtrl_Per1_DiagRampValue_Uls_f32		
target_Rte_Inst_Ap_StOpCtrl.StOpCtrl_Per1_DiagStsDiagRmpActive_Cnt_Igc	target_StOpCtrl_Per1_DiagStsDiagRmpActive_Cnt_Igc		
target_Rte_Inst_Ap_StOpCtrl.StOpCtrl_Per1_LoaRateLimit_UlspS_f32	target_StOpCtrl_Per1_LoaRateLimit_UlspS_f32		
target_Rte_Inst_Ap_StOpCtrl.StOpCtrl_Per1_LoaScaleFctr_Uls_f32	target_StOpCtrl_Per1_LoaScaleFctr_Uls_f32		
target_Rte_Inst_Ap_StOpCtrl.StOpCtrl_Per1_OperRampRate_XpmS_f32	target_StOpCtrl_Per1_OperRampRate_XpmS_f32		
target_Rte_Inst_Ap_StOpCtrl.StOpCtrl_Per1_OperRampValue_Uls_f32	target_StOpCtrl_Per1_OperRampValue_Uls_f32		
target_Rte_Inst_Ap_StOpCtrl.StOpCtrl_Per1_OutputRampMult_Uls_f32	target_StOpCtrl_Per1_OutputRampMult_Uls_f32		
target_Rte_Inst_Ap_StOpCtrl.StOpCtrl_Per1_RampSrlComSvcDft_Cnt_Igc	target_StOpCtrl_Per1_RampSrlComSvcDft_Cnt_Igc		
target_Rte_Inst_Ap_StOpCtrl.StOpCtrl_Per1_StrtStopRateLimit_UlspS_f32	target_StOpCtrl_Per1_StrtStopRateLimit_UlspS_f32		
target_Rte_Inst_Ap_StOpCtrl.StOpCtrl_Per1_StrtStopScaleFctr_Uls_f32	target_StOpCtrl_Per1_StrtStopScaleFctr_Uls_f32		
target_Rte_Inst_Ap_StOpCtrl.StOpCtrl_Per1_SysStReqDi_Cnt_Igc	target_StOpCtrl_Per1_SysStReqDi_Cnt_Igc		
target_StOpCtrl_Per1_DiagRampRate_XpmS_f32.value	0.214068949		
target_StOpCtrl_Per1_DiagRampValue_Uls_f32.value	0.477190673		
target_StOpCtrl_Per1_DiagStsDiagRmpActive_Cnt_Igc.value	1		
target_StOpCtrl_Per1_LoaRateLimit_UlspS_f32.value	321.016907		
target_StOpCtrl_Per1_LoaScaleFctr_Uls_f32.value	0		
target_StOpCtrl_Per1_OperRampRate_XpmS_f32.value	0.000249681034		
target_StOpCtrl_Per1_OperRampValue_Uls_f32.value	0.0995012149		
target_StOpCtrl_Per1_RampSrlComSvcDft_Cnt_Igc.value	0		
target_StOpCtrl_Per1_StrtStopRateLimit_UlspS_f32.value	393.866913		
target_StOpCtrl_Per1_StrtStopScaleFctr_Uls_f32.value	0.978491127		
Name	Actual Value	Expected Value	Result
StOpCtrl_RateSource_Cnt_M_u08	2	2	✔
StOpCtrl_ScaleSV_Uls_M_f32	0.477190673	0.477190673 ± 0.0000009	✔
StOpCtrl_State_Cnt_M_u08	2	2	✔
target_StOpCtrl_Per1_OutputRampMult_Uls_f32.value	0.477190673	0.477190673 ± 0.004	✔
target_StOpCtrl_Per1_SysStReqDi_Cnt_Igc.value	0	0	✔

T				
Actual Function	Count	Expected Function	Count	Result
TargetSelection	1	TargetSelection	1	✓

Test Step 2.23 (Repeat Count = 1)

Name	Input Value
Rte_Inst_Ap_StOpCtrl	target_Rte_Inst_Ap_StOpCtrl
StOpCtrl_RateSource_Cnt_M_u08	3
StOpCtrl_ScaleSV_Uls_M_f32	0.912750721
StOpCtrl_State_Cnt_M_u08	4
target_Rte_Inst_Ap_StOpCtrl.StOpCtrl_Per1_DiagRampRate_XpmS_f32	target_StOpCtrl_Per1_DiagRampRate_XpmS_f32
target_Rte_Inst_Ap_StOpCtrl.StOpCtrl_Per1_DiagRampValue_Uls_f32	target_StOpCtrl_Per1_DiagRampValue_Uls_f32
target_Rte_Inst_Ap_StOpCtrl.StOpCtrl_Per1_DiagStsDiagRmpActive_Cnt_Igc	target_StOpCtrl_Per1_DiagStsDiagRmpActive_Cnt_Igc
target_Rte_Inst_Ap_StOpCtrl.StOpCtrl_Per1_LoaRateLimit_UlspS_f32	target_StOpCtrl_Per1_LoaRateLimit_UlspS_f32
target_Rte_Inst_Ap_StOpCtrl.StOpCtrl_Per1_LoaScaleFctr_Uls_f32	target_StOpCtrl_Per1_LoaScaleFctr_Uls_f32
target_Rte_Inst_Ap_StOpCtrl.StOpCtrl_Per1_OperRampRate_XpmS_f32	target_StOpCtrl_Per1_OperRampRate_XpmS_f32
target_Rte_Inst_Ap_StOpCtrl.StOpCtrl_Per1_OperRampValue_Uls_f32	target_StOpCtrl_Per1_OperRampValue_Uls_f32
target_Rte_Inst_Ap_StOpCtrl.StOpCtrl_Per1_OutputRampMult_Uls_f32	target_StOpCtrl_Per1_OutputRampMult_Uls_f32
target_Rte_Inst_Ap_StOpCtrl.StOpCtrl_Per1_RampSrlComSvcDft_Cnt_Igc	target_StOpCtrl_Per1_RampSrlComSvcDft_Cnt_Igc
target_Rte_Inst_Ap_StOpCtrl.StOpCtrl_Per1_StrtStopRateLimit_UlspS_f32	target_StOpCtrl_Per1_StrtStopRateLimit_UlspS_f32
target_Rte_Inst_Ap_StOpCtrl.StOpCtrl_Per1_StrtStopScaleFctr_Uls_f32	target_StOpCtrl_Per1_StrtStopScaleFctr_Uls_f32
target_Rte_Inst_Ap_StOpCtrl.StOpCtrl_Per1_SysStReqDi_Cnt_Igc	target_StOpCtrl_Per1_SysStReqDi_Cnt_Igc
target_StOpCtrl_Per1_DiagRampRate_XpmS_f32.value	0.161929607
target_StOpCtrl_Per1_DiagRampValue_Uls_f32.value	0.378751665
target_StOpCtrl_Per1_DiagStsDiagRmpActive_Cnt_Igc.value	1
target_StOpCtrl_Per1_LoaRateLimit_UlspS_f32.value	58.9904594
target_StOpCtrl_Per1_LoaScaleFctr_Uls_f32.value	1
target_StOpCtrl_Per1_OperRampRate_XpmS_f32.value	0.00313205272

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StOpCtrl_Per1

Name	Input Value		
target_StOpCtrl_Per1_OperRampValue_Uls_f32.value	0.309367985		
target_StOpCtrl_Per1_RampSrlComSvcDft_Cnt_Igc.value	1		
target_StOpCtrl_Per1_StrtStopRateLimit_UlspS_f32.value	47.5237427		
target_StOpCtrl_Per1_StrtStopScaleFctr_Uls_f32.value	0.491835803		
Name	Actual Value	Expected Value	Result
StOpCtrl_RateSource_Cnt_M_u08	1	1	✔
StOpCtrl_ScaleSV_Uls_M_f32	0.378751665	0.378751665 ± 0.0000009	✔
StOpCtrl_State_Cnt_M_u08	1	1	✔
target_StOpCtrl_Per1_OutputRampMult_Uls_f32.value	0.378751665	0.378751665 ± 0.004	✔
target_StOpCtrl_Per1_SysStReqDi_Cnt_Igc.value	0	0	✔

T				
Actual Function	Count	Expected Function	Count	Result
TargetSelection	1	TargetSelection	1	✓

Test Step 2.24 (Repeat Count = 1)

Name	Input Value		
Rte_Inst_Ap_StOpCtrl	target_Rte_Inst_Ap_StOpCtrl		
StOpCtrl_RateSource_Cnt_M_u08	4		
StOpCtrl_ScaleSV_Uls_M_f32	0.374679446		
StOpCtrl_State_Cnt_M_u08	2		
target_Rte_Inst_Ap_StOpCtrl.StOpCtrl_Per1_DiagRampRate_XpmS_f32	target_StOpCtrl_Per1_DiagRampRate_XpmS_f32		
target_Rte_Inst_Ap_StOpCtrl.StOpCtrl_Per1_DiagRampValue_Uls_f32	target_StOpCtrl_Per1_DiagRampValue_Uls_f32		
target_Rte_Inst_Ap_StOpCtrl.StOpCtrl_Per1_DiagStsDiagRmpActive_Cnt_Igc	target_StOpCtrl_Per1_DiagStsDiagRmpActive_Cnt_Igc		
target_Rte_Inst_Ap_StOpCtrl.StOpCtrl_Per1_LoaRateLimit_UlspS_f32	target_StOpCtrl_Per1_LoaRateLimit_UlspS_f32		
target_Rte_Inst_Ap_StOpCtrl.StOpCtrl_Per1_LoaScaleFctr_Uls_f32	target_StOpCtrl_Per1_LoaScaleFctr_Uls_f32		
target_Rte_Inst_Ap_StOpCtrl.StOpCtrl_Per1_OperRampRate_XpmS_f32	target_StOpCtrl_Per1_OperRampRate_XpmS_f32		
target_Rte_Inst_Ap_StOpCtrl.StOpCtrl_Per1_OperRampValue_Uls_f32	target_StOpCtrl_Per1_OperRampValue_Uls_f32		
target_Rte_Inst_Ap_StOpCtrl.StOpCtrl_Per1_OutputRampMult_Uls_f32	target_StOpCtrl_Per1_OutputRampMult_Uls_f32		
target_Rte_Inst_Ap_StOpCtrl.StOpCtrl_Per1_RampSrlComSvcDft_Cnt_Igc	target_StOpCtrl_Per1_RampSrlComSvcDft_Cnt_Igc		
target_Rte_Inst_Ap_StOpCtrl.StOpCtrl_Per1_StrtStopRateLimit_UlspS_f32	target_StOpCtrl_Per1_StrtStopRateLimit_UlspS_f32		
target_Rte_Inst_Ap_StOpCtrl.StOpCtrl_Per1_StrtStopScaleFctr_Uls_f32	target_StOpCtrl_Per1_StrtStopScaleFctr_Uls_f32		
target_Rte_Inst_Ap_StOpCtrl.StOpCtrl_Per1_SysStReqDi_Cnt_Igc	target_StOpCtrl_Per1_SysStReqDi_Cnt_Igc		
target_StOpCtrl_Per1_DiagRampRate_XpmS_f32.value	0.17084749		
target_StOpCtrl_Per1_DiagRampValue_Uls_f32.value	0.469484001		
target_StOpCtrl_Per1_DiagStsDiagRmpActive_Cnt_Igc.value	1		
target_StOpCtrl_Per1_LoaRateLimit_UlspS_f32.value	499.035156		
target_StOpCtrl_Per1_LoaScaleFctr_Uls_f32.value	0.554514825		
target_StOpCtrl_Per1_OperRampRate_XpmS_f32.value	0.00466732867		
target_StOpCtrl_Per1_OperRampValue_Uls_f32.value	0.139226139		
target_StOpCtrl_Per1_RampSrlComSvcDft_Cnt_Igc.value	1		
target_StOpCtrl_Per1_StrtStopRateLimit_UlspS_f32.value	154.503677		
target_StOpCtrl_Per1_StrtStopScaleFctr_Uls_f32.value	0.589655042		
Name	Actual Value	Expected Value	Result
StOpCtrl_RateSource_Cnt_M_u08	1	1	✔
StOpCtrl_ScaleSV_Uls_M_f32	0.469484001	0.469484001 ± 0.0000009	✔
StOpCtrl_State_Cnt_M_u08	1	1	✔
target_StOpCtrl_Per1_OutputRampMult_Uls_f32.value	0.469484001	0.469484001 ± 0.004	✔
target_StOpCtrl_Per1_SysStReqDi_Cnt_Igc.value	0	0	✔

T				
Actual Function	Count	Expected Function	Count	Result
TargetSelection	1	TargetSelection	1	✓

Test Step 2.25 (Repeat Count = 1)

Name	Input Value
Rte_Inst_Ap_StOpCtrl	target_Rte_Inst_Ap_StOpCtrl
StOpCtrl_RateSource_Cnt_M_u08	4
StOpCtrl_ScaleSV_Uls_M_f32	0.809498906
StOpCtrl_State_Cnt_M_u08	1
target_Rte_Inst_Ap_StOpCtrl.StOpCtrl_Per1_DiagRampRate_XpmS_f32	target_StOpCtrl_Per1_DiagRampRate_XpmS_f32
target_Rte_Inst_Ap_StOpCtrl.StOpCtrl_Per1_DiagRampValue_Uls_f32	target_StOpCtrl_Per1_DiagRampValue_Uls_f32
target_Rte_Inst_Ap_StOpCtrl.StOpCtrl_Per1_DiagStsDiagRmpActive_Cnt_Igc	target_StOpCtrl_Per1_DiagStsDiagRmpActive_Cnt_Igc
target_Rte_Inst_Ap_StOpCtrl.StOpCtrl_Per1_LoaRateLimit_UlspS_f32	target_StOpCtrl_Per1_LoaRateLimit_UlspS_f32
target_Rte_Inst_Ap_StOpCtrl.StOpCtrl_Per1_LoaScaleFctr_Uls_f32	target_StOpCtrl_Per1_LoaScaleFctr_Uls_f32
target_Rte_Inst_Ap_StOpCtrl.StOpCtrl_Per1_OperRampRate_XpmS_f32	target_StOpCtrl_Per1_OperRampRate_XpmS_f32

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StOpCtrl_Per1

Name	Input Value		
target_Rte_Inst_Ap_StOpCtrl.StOpCtrl_Per1_OperRampValue_Uls_f32	target_StOpCtrl_Per1_OperRampValue_Uls_f32		
target_Rte_Inst_Ap_StOpCtrl.StOpCtrl_Per1_OutputRampMult_Uls_f32	target_StOpCtrl_Per1_OutputRampMult_Uls_f32		
target_Rte_Inst_Ap_StOpCtrl.StOpCtrl_Per1_RampSrlComSvcDft_Cnt_Igc	target_StOpCtrl_Per1_RampSrlComSvcDft_Cnt_Igc		
target_Rte_Inst_Ap_StOpCtrl.StOpCtrl_Per1_StrtStopRateLimit_UlspS_f32	target_StOpCtrl_Per1_StrtStopRateLimit_UlspS_f32		
target_Rte_Inst_Ap_StOpCtrl.StOpCtrl_Per1_StrtStopScaleFctr_Uls_f32	target_StOpCtrl_Per1_StrtStopScaleFctr_Uls_f32		
target_Rte_Inst_Ap_StOpCtrl.StOpCtrl_Per1_SysStReqDi_Cnt_Igc	target_StOpCtrl_Per1_SysStReqDi_Cnt_Igc		
target_StOpCtrl_Per1_DiagRampRate_XpmS_f32.value	0.304135561		
target_StOpCtrl_Per1_DiagRampValue_Uls_f32.value	0.433613509		
target_StOpCtrl_Per1_DiagStsDiagRmpActive_Cnt_Igc.value	1		
target_StOpCtrl_Per1_LoaRateLimit_UlspS_f32.value	14.4784288		
target_StOpCtrl_Per1_LoaScaleFctr_Uls_f32.value	0.554514825		
target_StOpCtrl_Per1_OperRampRate_XpmS_f32.value	0.003329559		
target_StOpCtrl_Per1_OperRampValue_Uls_f32.value	0.212471202		
target_StOpCtrl_Per1_RampSrlComSvcDft_Cnt_Igc.value	1		
target_StOpCtrl_Per1_StrtStopRateLimit_UlspS_f32.value	0.100000001		
target_StOpCtrl_Per1_StrtStopScaleFctr_Uls_f32.value	0.903346658		
Name	Actual Value	Expected Value	Result
StOpCtrl_RateSource_Cnt_M_u08	1	1	✔
StOpCtrl_ScaleSV_Uls_M_f32	0.433613509	0.433613509 ± 0.0000009	✔
StOpCtrl_State_Cnt_M_u08	1	1	✔
target_StOpCtrl_Per1_OutputRampMult_Uls_f32.value	0.433613509	0.433613509 ± 0.004	✔
target_StOpCtrl_Per1_SysStReqDi_Cnt_Igc.value	0	0	✔

T				
Actual Function	Count	Expected Function	Count	Result
TargetSelection	1	TargetSelection	1	✓

Test Step 2.26 (Repeat Count = 1)

Name	Input Value		
Rte_Inst_Ap_StOpCtrl	target_Rte_Inst_Ap_StOpCtrl		
StOpCtrl_RateSource_Cnt_M_u08	2		
StOpCtrl_ScaleSV_Uls_M_f32	0.0608705021		
StOpCtrl_State_Cnt_M_u08	2		
target_Rte_Inst_Ap_StOpCtrl.StOpCtrl_Per1_DiagRampRate_XpmS_f32	target_StOpCtrl_Per1_DiagRampRate_XpmS_f32		
target_Rte_Inst_Ap_StOpCtrl.StOpCtrl_Per1_DiagRampValue_Uls_f32	target_StOpCtrl_Per1_DiagRampValue_Uls_f32		
target_Rte_Inst_Ap_StOpCtrl.StOpCtrl_Per1_DiagStsDiagRmpActive_Cnt_Igc	target_StOpCtrl_Per1_DiagStsDiagRmpActive_Cnt_Igc		
target_Rte_Inst_Ap_StOpCtrl.StOpCtrl_Per1_LoaRateLimit_UlspS_f32	target_StOpCtrl_Per1_LoaRateLimit_UlspS_f32		
target_Rte_Inst_Ap_StOpCtrl.StOpCtrl_Per1_LoaScaleFctr_Uls_f32	target_StOpCtrl_Per1_LoaScaleFctr_Uls_f32		
target_Rte_Inst_Ap_StOpCtrl.StOpCtrl_Per1_OperRampRate_XpmS_f32	target_StOpCtrl_Per1_OperRampRate_XpmS_f32		
target_Rte_Inst_Ap_StOpCtrl.StOpCtrl_Per1_OperRampValue_Uls_f32	target_StOpCtrl_Per1_OperRampValue_Uls_f32		
target_Rte_Inst_Ap_StOpCtrl.StOpCtrl_Per1_OutputRampMult_Uls_f32	target_StOpCtrl_Per1_OutputRampMult_Uls_f32		
target_Rte_Inst_Ap_StOpCtrl.StOpCtrl_Per1_RampSrlComSvcDft_Cnt_Igc	target_StOpCtrl_Per1_RampSrlComSvcDft_Cnt_Igc		
target_Rte_Inst_Ap_StOpCtrl.StOpCtrl_Per1_StrtStopRateLimit_UlspS_f32	target_StOpCtrl_Per1_StrtStopRateLimit_UlspS_f32		
target_Rte_Inst_Ap_StOpCtrl.StOpCtrl_Per1_StrtStopScaleFctr_Uls_f32	target_StOpCtrl_Per1_StrtStopScaleFctr_Uls_f32		
target_Rte_Inst_Ap_StOpCtrl.StOpCtrl_Per1_SysStReqDi_Cnt_Igc	target_StOpCtrl_Per1_SysStReqDi_Cnt_Igc		
target_StOpCtrl_Per1_DiagRampRate_XpmS_f32.value	0.229989052		
target_StOpCtrl_Per1_DiagRampValue_Uls_f32.value	0.499736607		
target_StOpCtrl_Per1_DiagStsDiagRmpActive_Cnt_Igc.value	0		
target_StOpCtrl_Per1_LoaRateLimit_UlspS_f32.value	426.140442		
target_StOpCtrl_Per1_LoaScaleFctr_Uls_f32.value	0.756111026		
target_StOpCtrl_Per1_OperRampRate_XpmS_f32.value	0.00455480907		
target_StOpCtrl_Per1_OperRampValue_Uls_f32.value	0.201671615		
target_StOpCtrl_Per1_RampSrlComSvcDft_Cnt_Igc.value	0		
target_StOpCtrl_Per1_StrtStopRateLimit_UlspS_f32.value	500		
target_StOpCtrl_Per1_StrtStopScaleFctr_Uls_f32.value	0.616394937		
Name	Actual Value	Expected Value	Result
StOpCtrl_RateSource_Cnt_M_u08	2	2	✔
StOpCtrl_ScaleSV_Uls_M_f32	0.201671615	0.201671615 ± 0.0000009	✔
StOpCtrl_State_Cnt_M_u08	1	1	✔
target_StOpCtrl_Per1_OutputRampMult_Uls_f32.value	0.201671615	0.201671615 ± 0.004	✔
target_StOpCtrl_Per1_SysStReqDi_Cnt_Igc.value	0	0	✔

T				
Actual Function	Count	Expected Function	Count	Result
TargetSelection	1	TargetSelection	1	✓

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StOpCtrl_Per1

Test Step 2.27 (Repeat Count = 1)

Name	Input Value		
Rte_Inst_Ap_StOpCtrl	target_Rte_Inst_Ap_StOpCtrl		
StOpCtrl_RateSource_Cnt_M_u08	1		
StOpCtrl_ScaleSV_Uls_M_f32	0.532755435		
StOpCtrl_State_Cnt_M_u08	3		
target_Rte_Inst_Ap_StOpCtrl.StOpCtrl_Per1_DiagRampRate_XpmS_f32	target_StOpCtrl_Per1_DiagRampRate_XpmS_f32		
target_Rte_Inst_Ap_StOpCtrl.StOpCtrl_Per1_DiagRampValue_Uls_f32	target_StOpCtrl_Per1_DiagRampValue_Uls_f32		
target_Rte_Inst_Ap_StOpCtrl.StOpCtrl_Per1_DiagStsDiagRmpActive_Cnt_Igc	target_StOpCtrl_Per1_DiagStsDiagRmpActive_Cnt_Igc		
target_Rte_Inst_Ap_StOpCtrl.StOpCtrl_Per1_LoaRateLimit_UlspS_f32	target_StOpCtrl_Per1_LoaRateLimit_UlspS_f32		
target_Rte_Inst_Ap_StOpCtrl.StOpCtrl_Per1_LoaScaleFctr_Uls_f32	target_StOpCtrl_Per1_LoaScaleFctr_Uls_f32		
target_Rte_Inst_Ap_StOpCtrl.StOpCtrl_Per1_OperRampRate_XpmS_f32	target_StOpCtrl_Per1_OperRampRate_XpmS_f32		
target_Rte_Inst_Ap_StOpCtrl.StOpCtrl_Per1_OperRampValue_Uls_f32	target_StOpCtrl_Per1_OperRampValue_Uls_f32		
target_Rte_Inst_Ap_StOpCtrl.StOpCtrl_Per1_OutputRampMult_Uls_f32	target_StOpCtrl_Per1_OutputRampMult_Uls_f32		
target_Rte_Inst_Ap_StOpCtrl.StOpCtrl_Per1_RampSrlComSvcDft_Cnt_Igc	target_StOpCtrl_Per1_RampSrlComSvcDft_Cnt_Igc		
target_Rte_Inst_Ap_StOpCtrl.StOpCtrl_Per1_StrtStopRateLimit_UlspS_f32	target_StOpCtrl_Per1_StrtStopRateLimit_UlspS_f32		
target_Rte_Inst_Ap_StOpCtrl.StOpCtrl_Per1_StrtStopScaleFctr_Uls_f32	target_StOpCtrl_Per1_StrtStopScaleFctr_Uls_f32		
target_Rte_Inst_Ap_StOpCtrl.StOpCtrl_Per1_SysStReqDi_Cnt_Igc	target_StOpCtrl_Per1_SysStReqDi_Cnt_Igc		
target_StOpCtrl_Per1_DiagRampRate_XpmS_f32.value	0.316572487		
target_StOpCtrl_Per1_DiagRampValue_Uls_f32.value	0.487465203		
target_StOpCtrl_Per1_DiagStsDiagRmpActive_Cnt_Igc.value	1		
target_StOpCtrl_Per1_LoaRateLimit_UlspS_f32.value	243.069336		
target_StOpCtrl_Per1_LoaScaleFctr_Uls_f32.value	0.986927152		
target_StOpCtrl_Per1_OperRampRate_XpmS_f32.value	0.00370065309		
target_StOpCtrl_Per1_OperRampValue_Uls_f32.value	0.190872014		
target_StOpCtrl_Per1_RampSrlComSvcDft_Cnt_Igc.value	1		
target_StOpCtrl_Per1_StrtStopRateLimit_UlspS_f32.value	33.1765671		
target_StOpCtrl_Per1_StrtStopScaleFctr_Uls_f32.value	0.241738513		
Name	Actual Value	Expected Value	Result
StOpCtrl_RateSource_Cnt_M_u08	1	1	✔
StOpCtrl_ScaleSV_Uls_M_f32	0.487465203	0.487465203 ± 0.0000009	✔
StOpCtrl_State_Cnt_M_u08	1	1	✔
target_StOpCtrl_Per1_OutputRampMult_Uls_f32.value	0.487465203	0.487465203 ± 0.004	✔
target_StOpCtrl_Per1_SysStReqDi_Cnt_Igc.value	0	0	✔

Actual Function	Count	Expected Function	Count	Result
TargetSelection	1	TargetSelection	1	✓

Test Step 2.28 (Repeat Count = 1)

Name	Input Value		
Rte_Inst_Ap_StOpCtrl	target_Rte_Inst_Ap_StOpCtrl		
StOpCtrl_RateSource_Cnt_M_u08	3		
StOpCtrl_ScaleSV_Uls_M_f32	0.601612389		
StOpCtrl_State_Cnt_M_u08	4		
target_Rte_Inst_Ap_StOpCtrl.StOpCtrl_Per1_DiagRampRate_XpmS_f32	target_StOpCtrl_Per1_DiagRampRate_XpmS_f32		
target_Rte_Inst_Ap_StOpCtrl.StOpCtrl_Per1_DiagRampValue_Uls_f32	target_StOpCtrl_Per1_DiagRampValue_Uls_f32		
target_Rte_Inst_Ap_StOpCtrl.StOpCtrl_Per1_DiagStsDiagRmpActive_Cnt_Igc	target_StOpCtrl_Per1_DiagStsDiagRmpActive_Cnt_Igc		
target_Rte_Inst_Ap_StOpCtrl.StOpCtrl_Per1_LoaRateLimit_UlspS_f32	target_StOpCtrl_Per1_LoaRateLimit_UlspS_f32		
target_Rte_Inst_Ap_StOpCtrl.StOpCtrl_Per1_LoaScaleFctr_Uls_f32	target_StOpCtrl_Per1_LoaScaleFctr_Uls_f32		
target_Rte_Inst_Ap_StOpCtrl.StOpCtrl_Per1_OperRampRate_XpmS_f32	target_StOpCtrl_Per1_OperRampRate_XpmS_f32		
target_Rte_Inst_Ap_StOpCtrl.StOpCtrl_Per1_OperRampValue_Uls_f32	target_StOpCtrl_Per1_OperRampValue_Uls_f32		
target_Rte_Inst_Ap_StOpCtrl.StOpCtrl_Per1_OutputRampMult_Uls_f32	target_StOpCtrl_Per1_OutputRampMult_Uls_f32		
target_Rte_Inst_Ap_StOpCtrl.StOpCtrl_Per1_RampSrlComSvcDft_Cnt_Igc	target_StOpCtrl_Per1_RampSrlComSvcDft_Cnt_Igc		
target_Rte_Inst_Ap_StOpCtrl.StOpCtrl_Per1_StrtStopRateLimit_UlspS_f32	target_StOpCtrl_Per1_StrtStopRateLimit_UlspS_f32		
target_Rte_Inst_Ap_StOpCtrl.StOpCtrl_Per1_StrtStopScaleFctr_Uls_f32	target_StOpCtrl_Per1_StrtStopScaleFctr_Uls_f32		
target_Rte_Inst_Ap_StOpCtrl.StOpCtrl_Per1_SysStReqDi_Cnt_Igc	target_StOpCtrl_Per1_SysStReqDi_Cnt_Igc		
target_StOpCtrl_Per1_DiagRampRate_XpmS_f32.value	0.0594032705		
target_StOpCtrl_Per1_DiagRampValue_Uls_f32.value	0.285156995		
target_StOpCtrl_Per1_DiagStsDiagRmpActive_Cnt_Igc.value	1		
target_StOpCtrl_Per1_LoaRateLimit_UlspS_f32.value	350.683502		
target_StOpCtrl_Per1_LoaScaleFctr_Uls_f32.value	0.362691522		
target_StOpCtrl_Per1_OperRampRate_XpmS_f32.value	0.00178843865		
target_StOpCtrl_Per1_OperRampValue_Uls_f32.value	0.180072427		
target_StOpCtrl_Per1_RampSrlComSvcDft_Cnt_Igc.value	1		
target_StOpCtrl_Per1_StrtStopRateLimit_UlspS_f32.value	75.9448013		
target_StOpCtrl_Per1_StrtStopScaleFctr_Uls_f32.value	0		
Name	Actual Value	Expected Value	Result
StOpCtrl_RateSource_Cnt_M_u08	3	3	✓
StOpCtrl_ScaleSV_Uls_M_f32	0.285156995	0.285156995 ± 0.0000009	✓

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StOpCtrl_Per1

Name	Actual Value	Expected Value	Result
StOpCtrl_State_Cnt_M_u08	3	3	✓
target_StOpCtrl_Per1_OutputRampMult_Uls_f32.value	0.285156995	0.285156995 ± 0.004	✓
target_StOpCtrl_Per1_SysStReqDi_Cnt_Igc.value	0	0	✓

T				
Actual Function	Count	Expected Function	Count	Result
TargetSelection	1	TargetSelection	1	✓

Test Step 2.29 (Repeat Count = 1) ✓

Name	Input Value		
Rte_Inst_Ap_StOpCtrl	target_Rte_Inst_Ap_StOpCtrl		
StOpCtrl_RateSource_Cnt_M_u08	4		
StOpCtrl_ScaleSV_Uls_M_f32	0.302492708		
StOpCtrl_State_Cnt_M_u08	1		
target_Rte_Inst_Ap_StOpCtrl.StOpCtrl_Per1_DiagRampRate_XpmS_f32	target_StOpCtrl_Per1_DiagRampRate_XpmS_f32		
target_Rte_Inst_Ap_StOpCtrl.StOpCtrl_Per1_DiagRampValue_Uls_f32	target_StOpCtrl_Per1_DiagRampValue_Uls_f32		
target_Rte_Inst_Ap_StOpCtrl.StOpCtrl_Per1_DiagStsDiagRmpActive_Cnt_Igc	target_StOpCtrl_Per1_DiagStsDiagRmpActive_Cnt_Igc		
target_Rte_Inst_Ap_StOpCtrl.StOpCtrl_Per1_LoaRateLimit_UlspS_f32	target_StOpCtrl_Per1_LoaRateLimit_UlspS_f32		
target_Rte_Inst_Ap_StOpCtrl.StOpCtrl_Per1_LoaScaleFctr_Uls_f32	target_StOpCtrl_Per1_LoaScaleFctr_Uls_f32		
target_Rte_Inst_Ap_StOpCtrl.StOpCtrl_Per1_OperRampRate_XpmS_f32	target_StOpCtrl_Per1_OperRampRate_XpmS_f32		
target_Rte_Inst_Ap_StOpCtrl.StOpCtrl_Per1_OperRampValue_Uls_f32	target_StOpCtrl_Per1_OperRampValue_Uls_f32		
target_Rte_Inst_Ap_StOpCtrl.StOpCtrl_Per1_OutputRampMult_Uls_f32	target_StOpCtrl_Per1_OutputRampMult_Uls_f32		
target_Rte_Inst_Ap_StOpCtrl.StOpCtrl_Per1_RampSrlComSvcDft_Cnt_Igc	target_StOpCtrl_Per1_RampSrlComSvcDft_Cnt_Igc		
target_Rte_Inst_Ap_StOpCtrl.StOpCtrl_Per1_StrtStopRateLimit_UlspS_f32	target_StOpCtrl_Per1_StrtStopRateLimit_UlspS_f32		
target_Rte_Inst_Ap_StOpCtrl.StOpCtrl_Per1_StrtStopScaleFctr_Uls_f32	target_StOpCtrl_Per1_StrtStopScaleFctr_Uls_f32		
target_Rte_Inst_Ap_StOpCtrl.StOpCtrl_Per1_SysStReqDi_Cnt_Igc	target_StOpCtrl_Per1_SysStReqDi_Cnt_Igc		
target_StOpCtrl_Per1_DiagRampRate_XpmS_f32.value	0.411022067		
target_StOpCtrl_Per1_DiagRampValue_Uls_f32.value	0.345914781		
target_StOpCtrl_Per1_DiagStsDiagRmpActive_Cnt_Igc.value	0		
target_StOpCtrl_Per1_LoaRateLimit_UlspS_f32.value	188.372864		
target_StOpCtrl_Per1_LoaScaleFctr_Uls_f32.value	0.70142132		
target_StOpCtrl_Per1_OperRampRate_XpmS_f32.value	0.00191088545		
target_StOpCtrl_Per1_OperRampValue_Uls_f32.value	0.16927284		
target_StOpCtrl_Per1_RampSrlComSvcDft_Cnt_Igc.value	0		
target_StOpCtrl_Per1_StrtStopRateLimit_UlspS_f32.value	437.837311		
target_StOpCtrl_Per1_StrtStopScaleFctr_Uls_f32.value	1		
Name	Actual Value	Expected Value	Result
StOpCtrl_RateSource_Cnt_M_u08	1	1	✔
StOpCtrl_ScaleSV_Uls_M_f32	0.298670948	0.298670948 ± 0.0000009	✔
StOpCtrl_State_Cnt_M_u08	1	1	✔
target_StOpCtrl_Per1_OutputRampMult_Uls_f32.value	0.298670948	0.298670948 ± 0.004	✔
target_StOpCtrl_Per1_SysStReqDi_Cnt_Igc.value	0	0	✔

T				
Actual Function	Count	Expected Function	Count	Result
TargetSelection	1	TargetSelection	1	✓

Test Step 2.30 (Repeat Count = 1) ✓

Name	Input Value
Rte_Inst_Ap_StOpCtrl	target_Rte_Inst_Ap_StOpCtrl
StOpCtrl_RateSource_Cnt_M_u08	1
StOpCtrl_ScaleSV_Uls_M_f32	0.874079227
StOpCtrl_State_Cnt_M_u08	2
target_Rte_Inst_Ap_StOpCtrl.StOpCtrl_Per1_DiagRampRate_XpmS_f32	target_StOpCtrl_Per1_DiagRampRate_XpmS_f32
target_Rte_Inst_Ap_StOpCtrl.StOpCtrl_Per1_DiagRampValue_Uls_f32	target_StOpCtrl_Per1_DiagRampValue_Uls_f32
target_Rte_Inst_Ap_StOpCtrl.StOpCtrl_Per1_DiagStsDiagRmpActive_Cnt_Igc	target_StOpCtrl_Per1_DiagStsDiagRmpActive_Cnt_Igc
target_Rte_Inst_Ap_StOpCtrl.StOpCtrl_Per1_LoaRateLimit_UlspS_f32	target_StOpCtrl_Per1_LoaRateLimit_UlspS_f32
target_Rte_Inst_Ap_StOpCtrl.StOpCtrl_Per1_LoaScaleFctr_Uls_f32	target_StOpCtrl_Per1_LoaScaleFctr_Uls_f32
target_Rte_Inst_Ap_StOpCtrl.StOpCtrl_Per1_OperRampRate_XpmS_f32	target_StOpCtrl_Per1_OperRampRate_XpmS_f32
target_Rte_Inst_Ap_StOpCtrl.StOpCtrl_Per1_OperRampValue_Uls_f32	target_StOpCtrl_Per1_OperRampValue_Uls_f32
target_Rte_Inst_Ap_StOpCtrl.StOpCtrl_Per1_OutputRampMult_Uls_f32	target_StOpCtrl_Per1_OutputRampMult_Uls_f32
target_Rte_Inst_Ap_StOpCtrl.StOpCtrl_Per1_RampSrlComSvcDft_Cnt_Igc	target_StOpCtrl_Per1_RampSrlComSvcDft_Cnt_Igc
target_Rte_Inst_Ap_StOpCtrl.StOpCtrl_Per1_StrtStopRateLimit_UlspS_f32	target_StOpCtrl_Per1_StrtStopRateLimit_UlspS_f32
target_Rte_Inst_Ap_StOpCtrl.StOpCtrl_Per1_StrtStopScaleFctr_Uls_f32	target_StOpCtrl_Per1_StrtStopScaleFctr_Uls_f32
target_Rte_Inst_Ap_StOpCtrl.StOpCtrl_Per1_SysStReqDi_Cnt_Igc	target_StOpCtrl_Per1_SysStReqDi_Cnt_Igc
target_StOpCtrl_Per1_DiagRampRate_XpmS_f32.value	0.442060322

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StOpCtrl_Per1

Name	Input Value		
target_StOpCtrl_Per1_DiagRampValue_Uls_f32.value	0.080007121		
target_StOpCtrl_Per1_DiagStsDiagRmpActive_Cnt_Igc.value	1		
target_StOpCtrl_Per1_LoaRateLimit_UlspS_f32.value	367.200684		
target_StOpCtrl_Per1_LoaScaleFctr_Uls_f32.value	0.70142132		
target_StOpCtrl_Per1_OperRampRate_XpmS_f32.value	0.00391925359		
target_StOpCtrl_Per1_OperRampValue_Uls_f32.value	0.158473238		
target_StOpCtrl_Per1_RampSrlComSvcDft_Cnt_Igc.value	1		
target_StOpCtrl_Per1_StrtStopRateLimit_UlspS_f32.value	339.307495		
target_StOpCtrl_Per1_StrtStopScaleFctr_Uls_f32.value	0.241738513		
Name	Actual Value	Expected Value	Result
StOpCtrl_RateSource_Cnt_M_u08	1	1	✔
StOpCtrl_ScaleSV_Uls_M_f32	0.080007121	0.080007121 ± 0.00000009	✔
StOpCtrl_State_Cnt_M_u08	1	1	✔
target_StOpCtrl_Per1_OutputRampMult_Uls_f32.value	0.080007121	0.080007121 ± 0.004	✔
target_StOpCtrl_Per1_SysStReqDi_Cnt_Igc.value	0	0	✔

T				
Actual Function	Count	Expected Function	Count	Result
TargetSelection	1	TargetSelection	1	✓

Test Step 2.31 (Repeat Count = 1)

Name	Input Value		
Rte_Inst_Ap_StOpCtrl	target_Rte_Inst_Ap_StOpCtrl		
StOpCtrl_RateSource_Cnt_M_u08	1		
StOpCtrl_ScaleSV_Uls_M_f32	0.795848608		
StOpCtrl_State_Cnt_M_u08	3		
target_Rte_Inst_Ap_StOpCtrl.StOpCtrl_Per1_DiagRampRate_XpmS_f32	target_StOpCtrl_Per1_DiagRampRate_XpmS_f32		
target_Rte_Inst_Ap_StOpCtrl.StOpCtrl_Per1_DiagRampValue_Uls_f32	target_StOpCtrl_Per1_DiagRampValue_Uls_f32		
target_Rte_Inst_Ap_StOpCtrl.StOpCtrl_Per1_DiagStsDiagRmpActive_Cnt_Igc	target_StOpCtrl_Per1_DiagStsDiagRmpActive_Cnt_Igc		
target_Rte_Inst_Ap_StOpCtrl.StOpCtrl_Per1_LoaRateLimit_UlspS_f32	target_StOpCtrl_Per1_LoaRateLimit_UlspS_f32		
target_Rte_Inst_Ap_StOpCtrl.StOpCtrl_Per1_LoaScaleFctr_Uls_f32	target_StOpCtrl_Per1_LoaScaleFctr_Uls_f32		
target_Rte_Inst_Ap_StOpCtrl.StOpCtrl_Per1_OperRampRate_XpmS_f32	target_StOpCtrl_Per1_OperRampRate_XpmS_f32		
target_Rte_Inst_Ap_StOpCtrl.StOpCtrl_Per1_OperRampValue_Uls_f32	target_StOpCtrl_Per1_OperRampValue_Uls_f32		
target_Rte_Inst_Ap_StOpCtrl.StOpCtrl_Per1_OutputRampMult_Uls_f32	target_StOpCtrl_Per1_OutputRampMult_Uls_f32		
target_Rte_Inst_Ap_StOpCtrl.StOpCtrl_Per1_RampSrlComSvcDft_Cnt_Igc	target_StOpCtrl_Per1_RampSrlComSvcDft_Cnt_Igc		
target_Rte_Inst_Ap_StOpCtrl.StOpCtrl_Per1_StrtStopRateLimit_UlspS_f32	target_StOpCtrl_Per1_StrtStopRateLimit_UlspS_f32		
target_Rte_Inst_Ap_StOpCtrl.StOpCtrl_Per1_StrtStopScaleFctr_Uls_f32	target_StOpCtrl_Per1_StrtStopScaleFctr_Uls_f32		
target_Rte_Inst_Ap_StOpCtrl.StOpCtrl_Per1_SysStReqDi_Cnt_Igc	target_StOpCtrl_Per1_SysStReqDi_Cnt_Igc		
target_StOpCtrl_Per1_DiagRampRate_XpmS_f32.value	0.0594032705		
target_StOpCtrl_Per1_DiagRampValue_Uls_f32.value	0.285156995		
target_StOpCtrl_Per1_DiagStsDiagRmpActive_Cnt_Igc.value	1		
target_StOpCtrl_Per1_LoaRateLimit_UlspS_f32.value	350.683502		
target_StOpCtrl_Per1_LoaScaleFctr_Uls_f32.value	0.362691522		
target_StOpCtrl_Per1_OperRampRate_XpmS_f32.value	0.00178843865		
target_StOpCtrl_Per1_OperRampValue_Uls_f32.value	0.180072427		
target_StOpCtrl_Per1_RampSrlComSvcDft_Cnt_Igc.value	1		
target_StOpCtrl_Per1_StrtStopRateLimit_UlspS_f32.value	75.9448013		
target_StOpCtrl_Per1_StrtStopScaleFctr_Uls_f32.value	0.302492708		
Name	Actual Value	Expected Value	Result
StOpCtrl_RateSource_Cnt_M_u08	1	1	✔
StOpCtrl_ScaleSV_Uls_M_f32	0.285156995	0.285156995 ± 0.0000009	✔
StOpCtrl_State_Cnt_M_u08	1	1	✔
target_StOpCtrl_Per1_OutputRampMult_Uls_f32.value	0.285156995	0.285156995 ± 0.004	✔
target_StOpCtrl_Per1_SysStReqDi_Cnt_Igc.value	0	0	✔

T				
Actual Function	Count	Expected Function	Count	Result
TargetSelection	1	TargetSelection	1	✓

Test Step 2.32 (Repeat Count = 1)

Name	Input Value
Rte_Inst_Ap_StOpCtrl	target_Rte_Inst_Ap_StOpCtrl
StOpCtrl_RateSource_Cnt_M_u08	4
StOpCtrl_ScaleSV_Uls_M_f32	0.549617529
StOpCtrl_State_Cnt_M_u08	3
target_Rte_Inst_Ap_StOpCtrl.StOpCtrl_Per1_DiagRampRate_XpmS_f32	target_StOpCtrl_Per1_DiagRampRate_XpmS_f32

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StOpCtrl_Per1

Name	Input Value		
target_Rte_Inst_Ap_StOpCtrl.StOpCtrl_Per1_DiagRampValue_Uls_f32	target_StOpCtrl_Per1_DiagRampValue_Uls_f32		
target_Rte_Inst_Ap_StOpCtrl.StOpCtrl_Per1_DiagStsDiagRmpActive_Cnt_Igc	target_StOpCtrl_Per1_DiagStsDiagRmpActive_Cnt_Igc		
target_Rte_Inst_Ap_StOpCtrl.StOpCtrl_Per1_LoaRateLimit_UlspS_f32	target_StOpCtrl_Per1_LoaRateLimit_UlspS_f32		
target_Rte_Inst_Ap_StOpCtrl.StOpCtrl_Per1_LoaScaleFctr_Uls_f32	target_StOpCtrl_Per1_LoaScaleFctr_Uls_f32		
target_Rte_Inst_Ap_StOpCtrl.StOpCtrl_Per1_OperRampRate_XpmS_f32	target_StOpCtrl_Per1_OperRampRate_XpmS_f32		
target_Rte_Inst_Ap_StOpCtrl.StOpCtrl_Per1_OperRampValue_Uls_f32	target_StOpCtrl_Per1_OperRampValue_Uls_f32		
target_Rte_Inst_Ap_StOpCtrl.StOpCtrl_Per1_OutputRampMult_Uls_f32	target_StOpCtrl_Per1_OutputRampMult_Uls_f32		
target_Rte_Inst_Ap_StOpCtrl.StOpCtrl_Per1_RampSrlComSvcDft_Cnt_Igc	target_StOpCtrl_Per1_RampSrlComSvcDft_Cnt_Igc		
target_Rte_Inst_Ap_StOpCtrl.StOpCtrl_Per1_StrtStopRateLimit_UlspS_f32	target_StOpCtrl_Per1_StrtStopRateLimit_UlspS_f32		
target_Rte_Inst_Ap_StOpCtrl.StOpCtrl_Per1_StrtStopScaleFctr_Uls_f32	target_StOpCtrl_Per1_StrtStopScaleFctr_Uls_f32		
target_Rte_Inst_Ap_StOpCtrl.StOpCtrl_Per1_SysStReqDi_Cnt_Igc	target_StOpCtrl_Per1_SysStReqDi_Cnt_Igc		
target_StOpCtrl_Per1_DiagRampRate_XpmS_f32.value	0.411022067		
target_StOpCtrl_Per1_DiagRampValue_Uls_f32.value	0.345914781		
target_StOpCtrl_Per1_DiagStsDiagRmpActive_Cnt_Igc.value	0		
target_StOpCtrl_Per1_LoaRateLimit_UlspS_f32.value	188.372864		
target_StOpCtrl_Per1_LoaScaleFctr_Uls_f32.value	0.70142132		
target_StOpCtrl_Per1_OperRampRate_XpmS_f32.value	0.00191088545		
target_StOpCtrl_Per1_OperRampValue_Uls_f32.value	0.16927284		
target_StOpCtrl_Per1_RampSrlComSvcDft_Cnt_Igc.value	0		
target_StOpCtrl_Per1_StrtStopRateLimit_UlspS_f32.value	437.837311		
target_StOpCtrl_Per1_StrtStopScaleFctr_Uls_f32.value	0.874079227		
Name	Actual Value	Expected Value	Result
StOpCtrl_RateSource_Cnt_M_u08	1	1	✔
StOpCtrl_ScaleSV_Uls_M_f32	0.545795739	0.545795739 ± 0.0000009	✔
StOpCtrl_State_Cnt_M_u08	1	1	✔
target_StOpCtrl_Per1_OutputRampMult_Uls_f32.value	0.545795739	0.545795739 ± 0.004	✔
target_StOpCtrl_Per1_SysStReqDi_Cnt_Igc.value	0	0	✔

T				
Actual Function	Count	Expected Function	Count	Result
TargetSelection	1	TargetSelection	1	✓

Test Step 2.33 (Repeat Count = 1)				
Name		Input Value		
Rte_Inst_Ap_StOpCtrl		target_Rte_Inst_Ap_StOpCtrl		
StOpCtrl_RateSource_Cnt_M_u08		2		
StOpCtrl_ScaleSV_Uls_M_f32		0.978491127		
StOpCtrl_State_Cnt_M_u08		4		
target_Rte_Inst_Ap_StOpCtrl.StOpCtrl_Per1_DiagRampRate_XpmS_f32		target_StOpCtrl_Per1_DiagRampRate_XpmS_f32		
target_Rte_Inst_Ap_StOpCtrl.StOpCtrl_Per1_DiagRampValue_Uls_f32		target_StOpCtrl_Per1_DiagRampValue_Uls_f32		
target_Rte_Inst_Ap_StOpCtrl.StOpCtrl_Per1_DiagStsDiagRmpActive_Cnt_Igc		target_StOpCtrl_Per1_DiagStsDiagRmpActive_Cnt_Igc		
target_Rte_Inst_Ap_StOpCtrl.StOpCtrl_Per1_LoaRateLimit_UlspS_f32		target_StOpCtrl_Per1_LoaRateLimit_UlspS_f32		
target_Rte_Inst_Ap_StOpCtrl.StOpCtrl_Per1_LoaScaleFctr_Uls_f32		target_StOpCtrl_Per1_LoaScaleFctr_Uls_f32		
target_Rte_Inst_Ap_StOpCtrl.StOpCtrl_Per1_OperRampRate_XpmS_f32		target_StOpCtrl_Per1_OperRampRate_XpmS_f32		
target_Rte_Inst_Ap_StOpCtrl.StOpCtrl_Per1_OperRampValue_Uls_f32		target_StOpCtrl_Per1_OperRampValue_Uls_f32		
target_Rte_Inst_Ap_StOpCtrl.StOpCtrl_Per1_OutputRampMult_Uls_f32		target_StOpCtrl_Per1_OutputRampMult_Uls_f32		
target_Rte_Inst_Ap_StOpCtrl.StOpCtrl_Per1_RampSrlComSvcDft_Cnt_Igc		target_StOpCtrl_Per1_RampSrlComSvcDft_Cnt_Igc		
target_Rte_Inst_Ap_StOpCtrl.StOpCtrl_Per1_StrtStopRateLimit_UlspS_f32		target_StOpCtrl_Per1_StrtStopRateLimit_UlspS_f32		
target_Rte_Inst_Ap_StOpCtrl.StOpCtrl_Per1_StrtStopScaleFctr_Uls_f32		target_StOpCtrl_Per1_StrtStopScaleFctr_Uls_f32		
target_Rte_Inst_Ap_StOpCtrl.StOpCtrl_Per1_SysStReqDi_Cnt_Igc		target_StOpCtrl_Per1_SysStReqDi_Cnt_Igc		
target_StOpCtrl_Per1_DiagRampRate_XpmS_f32.value		0.442060322		
target_StOpCtrl_Per1_DiagRampValue_Uls_f32.value		0.080007121		
target_StOpCtrl_Per1_DiagStsDiagRmpActive_Cnt_Igc.value		1		
target_StOpCtrl_Per1_LoaRateLimit_UlspS_f32.value		367.200684		
target_StOpCtrl_Per1_LoaScaleFctr_Uls_f32.value		0.70142132		
target_StOpCtrl_Per1_OperRampRate_XpmS_f32.value		0.00391925359		
target_StOpCtrl_Per1_OperRampValue_Uls_f32.value		0.158473238		
target_StOpCtrl_Per1_RampSrlComSvcDft_Cnt_Igc.value		1		
target_StOpCtrl_Per1_StrtStopRateLimit_UlspS_f32.value		339.307495		
target_StOpCtrl_Per1_StrtStopScaleFctr_Uls_f32.value		0.795848608		
Name	Actual Value	Expected Value	Result	
StOpCtrl_RateSource_Cnt_M_u08	1	1	✔	
StOpCtrl_ScaleSV_Uls_M_f32	0.080007121	0.080007121 ± 0.0000009	✔	
StOpCtrl_State_Cnt_M_u08	1	1	✔	
target_StOpCtrl_Per1_OutputRampMult_Uls_f32.value	0.080007121	0.080007121 ± 0.004	✔	
target_StOpCtrl_Per1_SysStReqDi_Cnt_Igc.value	0	0	✔	

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StOpCtrl_Per1

T				
Actual Function	Count	Expected Function	Count	Result
TargetSelection	1	TargetSelection	1	✓

Test Step 2.34 (Repeat Count = 1)

Name	Input Value		
Rte_Inst_Ap_StOpCtrl	target_Rte_Inst_Ap_StOpCtrl		
StOpCtrl_RateSource_Cnt_M_u08	2		
StOpCtrl_ScaleSV_Uls_M_f32	0		
StOpCtrl_State_Cnt_M_u08	4		
target_Rte_Inst_Ap_StOpCtrl.StOpCtrl_Per1_DiagRampRate_XpmS_f32	target_StOpCtrl_Per1_DiagRampRate_XpmS_f32		
target_Rte_Inst_Ap_StOpCtrl.StOpCtrl_Per1_DiagRampValue_Uls_f32	target_StOpCtrl_Per1_DiagRampValue_Uls_f32		
target_Rte_Inst_Ap_StOpCtrl.StOpCtrl_Per1_DiagStsDiagRmpActive_Cnt_Igc	target_StOpCtrl_Per1_DiagStsDiagRmpActive_Cnt_Igc		
target_Rte_Inst_Ap_StOpCtrl.StOpCtrl_Per1_LoaRateLimit_UlspS_f32	target_StOpCtrl_Per1_LoaRateLimit_UlspS_f32		
target_Rte_Inst_Ap_StOpCtrl.StOpCtrl_Per1_LoaScaleFctr_Uls_f32	target_StOpCtrl_Per1_LoaScaleFctr_Uls_f32		
target_Rte_Inst_Ap_StOpCtrl.StOpCtrl_Per1_OperRampRate_XpmS_f32	target_StOpCtrl_Per1_OperRampRate_XpmS_f32		
target_Rte_Inst_Ap_StOpCtrl.StOpCtrl_Per1_OperRampValue_Uls_f32	target_StOpCtrl_Per1_OperRampValue_Uls_f32		
target_Rte_Inst_Ap_StOpCtrl.StOpCtrl_Per1_OutputRampMult_Uls_f32	target_StOpCtrl_Per1_OutputRampMult_Uls_f32		
target_Rte_Inst_Ap_StOpCtrl.StOpCtrl_Per1_RampSrlComSvcDft_Cnt_Igc	target_StOpCtrl_Per1_RampSrlComSvcDft_Cnt_Igc		
target_Rte_Inst_Ap_StOpCtrl.StOpCtrl_Per1_StrtStopRateLimit_UlspS_f32	target_StOpCtrl_Per1_StrtStopRateLimit_UlspS_f32		
target_Rte_Inst_Ap_StOpCtrl.StOpCtrl_Per1_StrtStopScaleFctr_Uls_f32	target_StOpCtrl_Per1_StrtStopScaleFctr_Uls_f32		
target_Rte_Inst_Ap_StOpCtrl.StOpCtrl_Per1_SysStReqDi_Cnt_Igc	target_StOpCtrl_Per1_SysStReqDi_Cnt_Igc		
target_StOpCtrl_Per1_DiagRampRate_XpmS_f32.value	0.455319345		
target_StOpCtrl_Per1_DiagRampValue_Uls_f32.value	0.331167996		
target_StOpCtrl_Per1_DiagStsDiagRmpActive_Cnt_Igc.value	1		
target_StOpCtrl_Per1_LoaRateLimit_UlspS_f32.value	350.683502		
target_StOpCtrl_Per1_LoaScaleFctr_Uls_f32.value	0.362691522		
target_StOpCtrl_Per1_OperRampRate_XpmS_f32.value	0.00333907246		
target_StOpCtrl_Per1_OperRampValue_Uls_f32.value	0.229679927		
target_StOpCtrl_Per1_RampSrlComSvcDft_Cnt_Igc.value	1		
target_StOpCtrl_Per1_StrtStopRateLimit_UlspS_f32.value	75.9448013		
target_StOpCtrl_Per1_StrtStopScaleFctr_Uls_f32.value	0.549617529		
Name	Actual Value	Expected Value	Result
StOpCtrl_RateSource_Cnt_M_u08	2	2	✔
StOpCtrl_ScaleSV_Uls_M_f32	0.331167996	0.331167996 ± 0.0000009	✔
StOpCtrl_State_Cnt_M_u08	1	1	✔
target_StOpCtrl_Per1_OutputRampMult_Uls_f32.value	0.331167996	0.331167996 ± 0.004	✔
target_StOpCtrl_Per1_SysStReqDi_Cnt_Igc.value	0	0	✔

T				
Actual Function	Count	Expected Function	Count	Result
TargetSelection	1	TargetSelection	1	✓

Test Step 2.35 (Repeat Count = 1)

Name	Input Value
Rte_Inst_Ap_StOpCtrl	target_Rte_Inst_Ap_StOpCtrl
StOpCtrl_RateSource_Cnt_M_u08	3
StOpCtrl_ScaleSV_Uls_M_f32	1
StOpCtrl_State_Cnt_M_u08	2
target_Rte_Inst_Ap_StOpCtrl.StOpCtrl_Per1_DiagRampRate_XpmS_f32	target_StOpCtrl_Per1_DiagRampRate_XpmS_f32
target_Rte_Inst_Ap_StOpCtrl.StOpCtrl_Per1_DiagRampValue_Uls_f32	target_StOpCtrl_Per1_DiagRampValue_Uls_f32
target_Rte_Inst_Ap_StOpCtrl.StOpCtrl_Per1_DiagStsDiagRmpActive_Cnt_Igc	target_StOpCtrl_Per1_DiagStsDiagRmpActive_Cnt_Igc
target_Rte_Inst_Ap_StOpCtrl.StOpCtrl_Per1_LoaRateLimit_UlspS_f32	target_StOpCtrl_Per1_LoaRateLimit_UlspS_f32
target_Rte_Inst_Ap_StOpCtrl.StOpCtrl_Per1_LoaScaleFctr_Uls_f32	target_StOpCtrl_Per1_LoaScaleFctr_Uls_f32
target_Rte_Inst_Ap_StOpCtrl.StOpCtrl_Per1_OperRampRate_XpmS_f32	target_StOpCtrl_Per1_OperRampRate_XpmS_f32
target_Rte_Inst_Ap_StOpCtrl.StOpCtrl_Per1_OperRampValue_Uls_f32	target_StOpCtrl_Per1_OperRampValue_Uls_f32
target_Rte_Inst_Ap_StOpCtrl.StOpCtrl_Per1_OutputRampMult_Uls_f32	target_StOpCtrl_Per1_OutputRampMult_Uls_f32
target_Rte_Inst_Ap_StOpCtrl.StOpCtrl_Per1_RampSrlComSvcDft_Cnt_Igc	target_StOpCtrl_Per1_RampSrlComSvcDft_Cnt_Igc
target_Rte_Inst_Ap_StOpCtrl.StOpCtrl_Per1_StrtStopRateLimit_UlspS_f32	target_StOpCtrl_Per1_StrtStopRateLimit_UlspS_f32
target_Rte_Inst_Ap_StOpCtrl.StOpCtrl_Per1_StrtStopScaleFctr_Uls_f32	target_StOpCtrl_Per1_StrtStopScaleFctr_Uls_f32
target_Rte_Inst_Ap_StOpCtrl.StOpCtrl_Per1_SysStReqDi_Cnt_Igc	target_StOpCtrl_Per1_SysStReqDi_Cnt_Igc
target_StOpCtrl_Per1_DiagRampRate_XpmS_f32.value	0.4540025
target_StOpCtrl_Per1_DiagRampValue_Uls_f32.value	0.369179547
target_StOpCtrl_Per1_DiagStsDiagRmpActive_Cnt_Igc.value	0
target_StOpCtrl_Per1_LoaRateLimit_UlspS_f32.value	188.372864
target_StOpCtrl_Per1_LoaScaleFctr_Uls_f32.value	0.70142132
target_StOpCtrl_Per1_OperRampRate_XpmS_f32.value	0.00184350228

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StOpCtrl_Per1

Name	Input Value		
target_StOpCtrl_Per1_OperRampValue_Uls_f32.value	0.430418581		
target_StOpCtrl_Per1_RampSrlComSvcDft_Cnt_Igc.value	0		
target_StOpCtrl_Per1_StrtStopRateLimit_UlspS_f32.value	437.837311		
target_StOpCtrl_Per1_StrtStopScaleFctr_Uls_f32.value	0.978491127		
Name	Actual Value	Expected Value	Result
StOpCtrl_RateSource_Cnt_M_u08	1	1	✔
StOpCtrl_ScaleSV_Uls_M_f32	0.996312976	0.996312976 ± 0.0000009	✔
StOpCtrl_State_Cnt_M_u08	1	1	✔
target_StOpCtrl_Per1_OutputRampMult_Uls_f32.value	0.996312976	0.996312976 ± 0.004	✔
target_StOpCtrl_Per1_SysStReqDi_Cnt_Igc.value	0	0	✔

T				
Actual Function	Count	Expected Function	Count	Result
TargetSelection	1	TargetSelection	1	✓

Test Step 2.36 (Repeat Count = 1)

Name	Input Value		
Rte_Inst_Ap_StOpCtrl	target_Rte_Inst_Ap_StOpCtrl		
StOpCtrl_RateSource_Cnt_M_u08	4		
StOpCtrl_ScaleSV_Uls_M_f32	0.503346682		
StOpCtrl_State_Cnt_M_u08	1		
target_Rte_Inst_Ap_StOpCtrl.StOpCtrl_Per1_DiagRampRate_XpmS_f32	target_StOpCtrl_Per1_DiagRampRate_XpmS_f32		
target_Rte_Inst_Ap_StOpCtrl.StOpCtrl_Per1_DiagRampValue_Uls_f32	target_StOpCtrl_Per1_DiagRampValue_Uls_f32		
target_Rte_Inst_Ap_StOpCtrl.StOpCtrl_Per1_DiagStsDiagRmpActive_Cnt_Igc	target_StOpCtrl_Per1_DiagStsDiagRmpActive_Cnt_Igc		
target_Rte_Inst_Ap_StOpCtrl.StOpCtrl_Per1_LoaRateLimit_UlspS_f32	target_StOpCtrl_Per1_LoaRateLimit_UlspS_f32		
target_Rte_Inst_Ap_StOpCtrl.StOpCtrl_Per1_LoaScaleFctr_Uls_f32	target_StOpCtrl_Per1_LoaScaleFctr_Uls_f32		
target_Rte_Inst_Ap_StOpCtrl.StOpCtrl_Per1_OperRampRate_XpmS_f32	target_StOpCtrl_Per1_OperRampRate_XpmS_f32		
target_Rte_Inst_Ap_StOpCtrl.StOpCtrl_Per1_OperRampValue_Uls_f32	target_StOpCtrl_Per1_OperRampValue_Uls_f32		
target_Rte_Inst_Ap_StOpCtrl.StOpCtrl_Per1_OutputRampMult_Uls_f32	target_StOpCtrl_Per1_OutputRampMult_Uls_f32		
target_Rte_Inst_Ap_StOpCtrl.StOpCtrl_Per1_RampSrlComSvcDft_Cnt_Igc	target_StOpCtrl_Per1_RampSrlComSvcDft_Cnt_Igc		
target_Rte_Inst_Ap_StOpCtrl.StOpCtrl_Per1_StrtStopRateLimit_UlspS_f32	target_StOpCtrl_Per1_StrtStopRateLimit_UlspS_f32		
target_Rte_Inst_Ap_StOpCtrl.StOpCtrl_Per1_StrtStopScaleFctr_Uls_f32	target_StOpCtrl_Per1_StrtStopScaleFctr_Uls_f32		
target_Rte_Inst_Ap_StOpCtrl.StOpCtrl_Per1_SysStReqDi_Cnt_Igc	target_StOpCtrl_Per1_SysStReqDi_Cnt_Igc		
target_StOpCtrl_Per1_DiagRampRate_XpmS_f32.value	0.324026555		
target_StOpCtrl_Per1_DiagRampValue_Uls_f32.value	0.14401643		
target_StOpCtrl_Per1_DiagStsDiagRmpActive_Cnt_Igc.value	1		
target_StOpCtrl_Per1_LoaRateLimit_UlspS_f32.value	367.200684		
target_StOpCtrl_Per1_LoaScaleFctr_Uls_f32.value	0.70142132		
target_StOpCtrl_Per1_OperRampRate_XpmS_f32.value	0.00437599793		
target_StOpCtrl_Per1_OperRampValue_Uls_f32.value	0.178747743		
target_StOpCtrl_Per1_RampSrlComSvcDft_Cnt_Igc.value	1		
target_StOpCtrl_Per1_StrtStopRateLimit_UlspS_f32.value	339.307495		
target_StOpCtrl_Per1_StrtStopScaleFctr_Uls_f32.value	0.491835803		
Name	Actual Value	Expected Value	Result
StOpCtrl_RateSource_Cnt_M_u08	1	1	✔
StOpCtrl_ScaleSV_Uls_M_f32	0.14401643	0.14401643 ± 0.0000009	✔
StOpCtrl_State_Cnt_M_u08	1	1	✔
target_StOpCtrl_Per1_OutputRampMult_Uls_f32.value	0.14401643	0.14401643 ± 0.004	✔
target_StOpCtrl_Per1_SysStReqDi_Cnt_Igc.value	0	0	✔

T				
Actual Function	Count	Expected Function	Count	Result
TargetSelection	1	TargetSelection	1	✓

Test Step 2.37 (Repeat Count = 1)

Name	Input Value
Rte_Inst_Ap_StOpCtrl	target_Rte_Inst_Ap_StOpCtrl
StOpCtrl_RateSource_Cnt_M_u08	1
StOpCtrl_ScaleSV_Uls_M_f32	0.302492708
StOpCtrl_State_Cnt_M_u08	1
target_Rte_Inst_Ap_StOpCtrl.StOpCtrl_Per1_DiagRampRate_XpmS_f32	target_StOpCtrl_Per1_DiagRampRate_XpmS_f32
target_Rte_Inst_Ap_StOpCtrl.StOpCtrl_Per1_DiagRampValue_Uls_f32	target_StOpCtrl_Per1_DiagRampValue_Uls_f32
target_Rte_Inst_Ap_StOpCtrl.StOpCtrl_Per1_DiagStsDiagRmpActive_Cnt_Igc	target_StOpCtrl_Per1_DiagStsDiagRmpActive_Cnt_Igc
target_Rte_Inst_Ap_StOpCtrl.StOpCtrl_Per1_LoaRateLimit_UlspS_f32	target_StOpCtrl_Per1_LoaRateLimit_UlspS_f32
target_Rte_Inst_Ap_StOpCtrl.StOpCtrl_Per1_LoaScaleFctr_Uls_f32	target_StOpCtrl_Per1_LoaScaleFctr_Uls_f32
target_Rte_Inst_Ap_StOpCtrl.StOpCtrl_Per1_OperRampRate_XpmS_f32	target_StOpCtrl_Per1_OperRampRate_XpmS_f32

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StOpCtrl_Per1

Name	Input Value		
target_Rte_Inst_Ap_StOpCtrl.StOpCtrl_Per1_OperRampValue_Uls_f32	target_StOpCtrl_Per1_OperRampValue_Uls_f32		
target_Rte_Inst_Ap_StOpCtrl.StOpCtrl_Per1_OutputRampMult_Uls_f32	target_StOpCtrl_Per1_OutputRampMult_Uls_f32		
target_Rte_Inst_Ap_StOpCtrl.StOpCtrl_Per1_RampSrlComSvcDft_Cnt_Igc	target_StOpCtrl_Per1_RampSrlComSvcDft_Cnt_Igc		
target_Rte_Inst_Ap_StOpCtrl.StOpCtrl_Per1_StrtStopRateLimit_UlspS_f32	target_StOpCtrl_Per1_StrtStopRateLimit_UlspS_f32		
target_Rte_Inst_Ap_StOpCtrl.StOpCtrl_Per1_StrtStopScaleFctr_Uls_f32	target_StOpCtrl_Per1_StrtStopScaleFctr_Uls_f32		
target_Rte_Inst_Ap_StOpCtrl.StOpCtrl_Per1_SysStReqDi_Cnt_Igc	target_StOpCtrl_Per1_SysStReqDi_Cnt_Igc		
target_StOpCtrl_Per1_DiagRampRate_XpmS_f32.value	0.300142467		
target_StOpCtrl_Per1_DiagRampValue_Uls_f32.value	0.0840428099		
target_StOpCtrl_Per1_DiagStsDiagRmpActive_Cnt_Igc.value	1		
target_StOpCtrl_Per1_LoaRateLimit_UlspS_f32.value	350.683502		
target_StOpCtrl_Per1_LoaScaleFctr_Uls_f32.value	0.362691522		
target_StOpCtrl_Per1_OperRampRate_XpmS_f32.value	0.000856229686		
target_StOpCtrl_Per1_OperRampValue_Uls_f32.value	0.285311997		
target_StOpCtrl_Per1_RampSrlComSvcDft_Cnt_Igc.value	1		
target_StOpCtrl_Per1_StrtStopRateLimit_UlspS_f32.value	75.9448013		
target_StOpCtrl_Per1_StrtStopScaleFctr_Uls_f32.value	0.903346658		
Name	Actual Value	Expected Value	Result
StOpCtrl_RateSource_Cnt_M_u08	1	1	✔
StOpCtrl_ScaleSV_Uls_M_f32	0.0840428099	0.0840428099 ± 0.00000009	✔
StOpCtrl_State_Cnt_M_u08	1	1	✔
target_StOpCtrl_Per1_OutputRampMult_Uls_f32.value	0.0840428099	0.0840428099 ± 0.004	✔
target_StOpCtrl_Per1_SysStReqDi_Cnt_Igc.value	0	0	✔

T				
Actual Function	Count	Expected Function	Count	Result
TargetSelection	1	TargetSelection	1	✓

Test Step 2.38 (Repeat Count = 1)				
Name		Input Value		
Rte_Inst_Ap_StOpCtrl		target_Rte_Inst_Ap_StOpCtrl		
StOpCtrl_RateSource_Cnt_M_u08		2		
StOpCtrl_ScaleSV_Uls_M_f32		0.874079227		
StOpCtrl_State_Cnt_M_u08		4		
target_Rte_Inst_Ap_StOpCtrl.StOpCtrl_Per1_DiagRampRate_XpmS_f32		target_StOpCtrl_Per1_DiagRampRate_XpmS_f32		
target_Rte_Inst_Ap_StOpCtrl.StOpCtrl_Per1_DiagRampValue_Uls_f32		target_StOpCtrl_Per1_DiagRampValue_Uls_f32		
target_Rte_Inst_Ap_StOpCtrl.StOpCtrl_Per1_DiagStsDiagRmpActive_Cnt_Igc		target_StOpCtrl_Per1_DiagStsDiagRmpActive_Cnt_Igc		
target_Rte_Inst_Ap_StOpCtrl.StOpCtrl_Per1_LoaRateLimit_UlspS_f32		target_StOpCtrl_Per1_LoaRateLimit_UlspS_f32		
target_Rte_Inst_Ap_StOpCtrl.StOpCtrl_Per1_LoaScaleFctr_Uls_f32		target_StOpCtrl_Per1_LoaScaleFctr_Uls_f32		
target_Rte_Inst_Ap_StOpCtrl.StOpCtrl_Per1_OperRampRate_XpmS_f32		target_StOpCtrl_Per1_OperRampRate_XpmS_f32		
target_Rte_Inst_Ap_StOpCtrl.StOpCtrl_Per1_OperRampValue_Uls_f32		target_StOpCtrl_Per1_OperRampValue_Uls_f32		
target_Rte_Inst_Ap_StOpCtrl.StOpCtrl_Per1_OutputRampMult_Uls_f32		target_StOpCtrl_Per1_OutputRampMult_Uls_f32		
target_Rte_Inst_Ap_StOpCtrl.StOpCtrl_Per1_RampSrlComSvcDft_Cnt_Igc		target_StOpCtrl_Per1_RampSrlComSvcDft_Cnt_Igc		
target_Rte_Inst_Ap_StOpCtrl.StOpCtrl_Per1_StrtStopRateLimit_UlspS_f32		target_StOpCtrl_Per1_StrtStopRateLimit_UlspS_f32		
target_Rte_Inst_Ap_StOpCtrl.StOpCtrl_Per1_StrtStopScaleFctr_Uls_f32		target_StOpCtrl_Per1_StrtStopScaleFctr_Uls_f32		
target_Rte_Inst_Ap_StOpCtrl.StOpCtrl_Per1_SysStReqDi_Cnt_Igc		target_StOpCtrl_Per1_SysStReqDi_Cnt_Igc		
target_StOpCtrl_Per1_DiagRampRate_XpmS_f32.value		0.450168639		
target_StOpCtrl_Per1_DiagRampValue_Uls_f32.value		0.0773187354		
target_StOpCtrl_Per1_DiagStsDiagRmpActive_Cnt_Igc.value		0		
target_StOpCtrl_Per1_LoaRateLimit_UlspS_f32.value		224.334244		
target_StOpCtrl_Per1_LoaScaleFctr_Uls_f32.value		0.883540571		
target_StOpCtrl_Per1_OperRampRate_XpmS_f32.value		0.00453384453		
target_StOpCtrl_Per1_OperRampValue_Uls_f32.value		0.313731551		
target_StOpCtrl_Per1_RampSrlComSvcDft_Cnt_Igc.value		1		
target_StOpCtrl_Per1_StrtStopRateLimit_UlspS_f32.value		472.720032		
target_StOpCtrl_Per1_StrtStopScaleFctr_Uls_f32.value		0.912750721		
Name	Actual Value	Expected Value	Result	
StOpCtrl_RateSource_Cnt_M_u08	1	1	✔	
StOpCtrl_ScaleSV_Uls_M_f32	0.313731551	0.313731551 ± 0.0000009	✔	
StOpCtrl_State_Cnt_M_u08	1	1	✔	
target_StOpCtrl_Per1_OutputRampMult_Uls_f32.value	0.313731551	0.313731551 ± 0.004	✔	
target_StOpCtrl_Per1_SysStReqDi_Cnt_Igc.value	0	0	✔	

T				
Actual Function	Count	Expected Function	Count	Result
TargetSelection	1	TargetSelection	1	✓

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StOpCtrl_Per1

Test Step 2.39 (Repeat Count = 1)



Name	Input Value		
Rte_Inst_Ap_StOpCtrl	target_Rte_Inst_Ap_StOpCtrl		
StOpCtrl_RateSource_Cnt_M_u08	3		
StOpCtrl_ScaleSV_Uls_M_f32	0.903346658		
StOpCtrl_State_Cnt_M_u08	3		
target_Rte_Inst_Ap_StOpCtrl.StOpCtrl_Per1_DiagRampRate_XpmS_f32	target_StOpCtrl_Per1_DiagRampRate_XpmS_f32		
target_Rte_Inst_Ap_StOpCtrl.StOpCtrl_Per1_DiagRampValue_Uls_f32	target_StOpCtrl_Per1_DiagRampValue_Uls_f32		
target_Rte_Inst_Ap_StOpCtrl.StOpCtrl_Per1_DiagStsDiagRmpActive_Cnt_Igc	target_StOpCtrl_Per1_DiagStsDiagRmpActive_Cnt_Igc		
target_Rte_Inst_Ap_StOpCtrl.StOpCtrl_Per1_LoaRateLimit_UlspS_f32	target_StOpCtrl_Per1_LoaRateLimit_UlspS_f32		
target_Rte_Inst_Ap_StOpCtrl.StOpCtrl_Per1_LoaScaleFctr_Uls_f32	target_StOpCtrl_Per1_LoaScaleFctr_Uls_f32		
target_Rte_Inst_Ap_StOpCtrl.StOpCtrl_Per1_OperRampRate_XpmS_f32	target_StOpCtrl_Per1_OperRampRate_XpmS_f32		
target_Rte_Inst_Ap_StOpCtrl.StOpCtrl_Per1_OperRampValue_Uls_f32	target_StOpCtrl_Per1_OperRampValue_Uls_f32		
target_Rte_Inst_Ap_StOpCtrl.StOpCtrl_Per1_OutputRampMult_Uls_f32	target_StOpCtrl_Per1_OutputRampMult_Uls_f32		
target_Rte_Inst_Ap_StOpCtrl.StOpCtrl_Per1_RampSrlComSvcDft_Cnt_Igc	target_StOpCtrl_Per1_RampSrlComSvcDft_Cnt_Igc		
target_Rte_Inst_Ap_StOpCtrl.StOpCtrl_Per1_StrtStopRateLimit_UlspS_f32	target_StOpCtrl_Per1_StrtStopRateLimit_UlspS_f32		
target_Rte_Inst_Ap_StOpCtrl.StOpCtrl_Per1_StrtStopScaleFctr_Uls_f32	target_StOpCtrl_Per1_StrtStopScaleFctr_Uls_f32		
target_Rte_Inst_Ap_StOpCtrl.StOpCtrl_Per1_SysStReqDi_Cnt_Igc	target_StOpCtrl_Per1_SysStReqDi_Cnt_Igc		
target_StOpCtrl_Per1_DiagRampRate_XpmS_f32.value	0.347135067		
target_StOpCtrl_Per1_DiagRampValue_Uls_f32.value	0.133428857		
target_StOpCtrl_Per1_DiagStsDiagRmpActive_Cnt_Igc.value	1		
target_StOpCtrl_Per1_LoaRateLimit_UlspS_f32.value	337.882721		
target_StOpCtrl_Per1_LoaScaleFctr_Uls_f32.value	0.605523407		
target_StOpCtrl_Per1_OperRampRate_XpmS_f32.value	0.00150193088		
target_StOpCtrl_Per1_OperRampValue_Uls_f32.value	0.376354158		
target_StOpCtrl_Per1_RampSrlComSvcDft_Cnt_Igc.value	1		
target_StOpCtrl_Per1_StrtStopRateLimit_UlspS_f32.value	399.68866		
target_StOpCtrl_Per1_StrtStopScaleFctr_Uls_f32.value	0.374679446		
Name	Actual Value	Expected Value	Result
StOpCtrl_RateSource_Cnt_M_u08	3	3	✔
StOpCtrl_ScaleSV_Uls_M_f32	0.133428857	0.133428857 ± 0.0000009	✔
StOpCtrl_State_Cnt_M_u08	3	3	✔
target_StOpCtrl_Per1_OutputRampMult_Uls_f32.value	0.133428857	0.133428857 ± 0.004	✔
target_StOpCtrl_Per1_SysStReqDi_Cnt_Igc.value	0	0	✔

Test Case 3: Path Test

Specification

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

CPU Cycles:

TS3.1 187.00 Cycles
TS3.2 193.00 Cycles
TS3.3 177.00 Cycles
TS3.4 193.00 Cycles
TS3.5 199.00 Cycles
TS3.6 195.00 Cycles
TS3.7 209.00 Cycles

Description

Vector Description:

TS3.1(ArbdTarSca_Uls_T_f32 >= (StOpCtrl_ScaleSV_Uls_M_f32 + StepLimit_Uls_T_f32)) ==> True
TS3.2'(D_TRUE_CNT_LGC == DiagStsDiagRmpActive_Cnt_T_lgc) ==>False
(ArbdTarSca_Uls_T_f32 >=D_TARGETSCALEHI_ULS_F32) ==> False
(ArbdTarSca_Uls_T_f32 <=D_TARGETSCALELO_ULS_F32) ==> True
(D_FALSE_CNT_LGC != RampSrlComSvcDft_Cnt_T_lgc) ==> False
(ArbdRate_UlspS_T_f32>=D_RATELIMITHI_ULSPS_F32)==> False
(ArbdRate_UlspS_T_f32<=D_RATELIMITLO_ULSPS_F32)==> False
(ArbdTarSca_Uls_T_f32 >= (StOpCtrl_ScaleSV_Uls_M_f32 + StepLimit_Uls_T_f32)) ==> False
(ArbdTarSca_Uls_T_f32 <= (StOpCtrl_ScaleSV_Uls_M_f32 -StepLimit_Uls_T_f32)) ==> False
(Abs_f32_m(Scale_Uls_T_f32) > D_EPSILON_ULS_F32)==> False
(Scale_Uls_T_f32>=D_TARGETSCALEHI_ULS_F32)==>False
(Scale_Uls_T_f32<=D_TARGETSCALELO_ULS_F32)==>True
(ArbdSt_Cnt_T_u08 == D_DIAG_CNT_U08) ==> True"
TS3.3'(D_TRUE_CNT_LGC == DiagStsDiagRmpActive_Cnt_T_lgc) ==>True
(ArbdTarSca_Uls_T_f32 >=D_TARGETSCALEHI_ULS_F32) ==> True
(D_FALSE_CNT_LGC != RampSrlComSvcDft_Cnt_T_lgc) ==> True
(Abs_f32_m(Scale_Uls_T_f32) > D_EPSILON_ULS_F32)==>True
(Scale_Uls_T_f32>=D_TARGETSCALEHI_ULS_F32)==>True
(ArbdSt_Cnt_T_u08 == D_DIAG_CNT_U08) ==>True
(ArbdSt_Cnt_T_u08 == D_OPER_CNT_U08)==> False"
TS3.4'(ArbdTarSca_Uls_T_f32 <=D_TARGETSCALELO_ULS_F32) ==> False
(ArbdTarSca_Uls_T_f32 <= (StOpCtrl_ScaleSV_Uls_M_f32 -StepLimit_Uls_T_f32)) ==> True
(Scale_Uls_T_f32<=D_TARGETSCALELO_ULS_F32)==>False"
TS3.5'(ArbdSt_Cnt_T_u08 == D_DIAG_CNT_U08) ==>False
(ArbdSt_Cnt_T_u08 == D_OPER_CNT_U08)==> False"
TS3.6"if (D_TRUE_CNT_LGC == DiagStsDiagRmpActive_Cnt_T_lgc)==> True
if (D_FALSE_CNT_LGC != RampSrlComSvcDft_Cnt_T_lgc)==>False
if((ArbdSt_Cnt_T_u08 == D_OPER_CNT_U08)||
(ArbdSt_Cnt_T_u08 == D_DIAG_CNT_U08))==>True"
TS3.7"if (D_FALSE_CNT_LGC != RampSrlComSvcDft_Cnt_T_lgc)==>False
if(Abs_f32_m(Scale_Uls_T_f32) > D_EPSILON_ULS_F32)==>True"

Test Step 3.1 (Repeat Count = 1)

Name	Input Value		
Rte_Inst_Ap_StOpCtrl	target_Rte_Inst_Ap_StOpCtrl		
StOpCtrl_RateSource_Cnt_M_u08	1		
StOpCtrl_ScaleSV_Uls_M_f32	0		
StOpCtrl_State_Cnt_M_u08	1		
target_Rte_Inst_Ap_StOpCtrl.StOpCtrl_Per1_DiagRampRate_XpmS_f32	target_StOpCtrl_Per1_DiagRampRate_XpmS_f32		
target_Rte_Inst_Ap_StOpCtrl.StOpCtrl_Per1_DiagRampValue_Uls_f32	target_StOpCtrl_Per1_DiagRampValue_Uls_f32		
target_Rte_Inst_Ap_StOpCtrl.StOpCtrl_Per1_DiagStsDiagRmpActive_Cnt_lgc	target_StOpCtrl_Per1_DiagStsDiagRmpActive_Cnt_lgc		
target_Rte_Inst_Ap_StOpCtrl.StOpCtrl_Per1_LoaRateLimit_UlspS_f32	target_StOpCtrl_Per1_LoaRateLimit_UlspS_f32		
target_Rte_Inst_Ap_StOpCtrl.StOpCtrl_Per1_LoaScaleFctr_Uls_f32	target_StOpCtrl_Per1_LoaScaleFctr_Uls_f32		
target_Rte_Inst_Ap_StOpCtrl.StOpCtrl_Per1_OperRampRate_XpmS_f32	target_StOpCtrl_Per1_OperRampRate_XpmS_f32		
target_Rte_Inst_Ap_StOpCtrl.StOpCtrl_Per1_OperRampValue_Uls_f32	target_StOpCtrl_Per1_OperRampValue_Uls_f32		
target_Rte_Inst_Ap_StOpCtrl.StOpCtrl_Per1_OutputRampMult_Uls_f32	target_StOpCtrl_Per1_OutputRampMult_Uls_f32		
target_Rte_Inst_Ap_StOpCtrl.StOpCtrl_Per1_RampSrlComSvcDft_Cnt_lgc	target_StOpCtrl_Per1_RampSrlComSvcDft_Cnt_lgc		
target_Rte_Inst_Ap_StOpCtrl.StOpCtrl_Per1_StrtStopRateLimit_UlspS_f32	target_StOpCtrl_Per1_StrtStopRateLimit_UlspS_f32		
target_Rte_Inst_Ap_StOpCtrl.StOpCtrl_Per1_StrtStopScaleFctr_Uls_f32	target_StOpCtrl_Per1_StrtStopScaleFctr_Uls_f32		
target_Rte_Inst_Ap_StOpCtrl.StOpCtrl_Per1_SysStReqDi_Cnt_lgc	target_StOpCtrl_Per1_SysStReqDi_Cnt_lgc		
target_StOpCtrl_Per1_DiagRampRate_XpmS_f32.value	9.99999975e-005		
target_StOpCtrl_Per1_DiagRampValue_Uls_f32.value	1		
target_StOpCtrl_Per1_DiagStsDiagRmpActive_Cnt_lgc.value	1		
target_StOpCtrl_Per1_LoaRateLimit_UlspS_f32.value	0.00999999978		
target_StOpCtrl_Per1_LoaScaleFctr_Uls_f32.value	0		
target_StOpCtrl_Per1_OperRampRate_XpmS_f32.value	9.99999975e-005		
target_StOpCtrl_Per1_OperRampValue_Uls_f32.value	0		
target_StOpCtrl_Per1_RampSrlComSvcDft_Cnt_lgc.value	0		
target_StOpCtrl_Per1_StrtStopRateLimit_UlspS_f32.value	0.100000001		
target_StOpCtrl_Per1_StrtStopScaleFctr_Uls_f32.value	0		
Name	Actual Value	Expected Value	Result
StOpCtrl_RateSource_Cnt_M_u08	1	1	✔
StOpCtrl_ScaleSV_Uls_M_f32	0.000199999995	0.000199999995 ± 0.0000000009	✔
StOpCtrl_State_Cnt_M_u08	1	1	✔
target_StOpCtrl_Per1_OutputRampMult_Uls_f32.value	0.000199999995	0.000199999995 ± 0.004	✔
target_StOpCtrl_Per1_SysStReqDi_Cnt_lgc.value	0	0	✔

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StOpCtrl_Per1

T				
Actual Function	Count	Expected Function	Count	Result
TargetSelection	1	TargetSelection	1	✓

Test Step 3.2 (Repeat Count = 1)

Name	Input Value		
Rte_Inst_Ap_StOpCtrl	target_Rte_Inst_Ap_StOpCtrl		
StOpCtrl_RateSource_Cnt_M_u08	1		
StOpCtrl_ScaleSV_Uls_M_f32	0		
StOpCtrl_State_Cnt_M_u08	1		
target_Rte_Inst_Ap_StOpCtrl.StOpCtrl_Per1_DiagRampRate_XpmS_f32	target_StOpCtrl_Per1_DiagRampRate_XpmS_f32		
target_Rte_Inst_Ap_StOpCtrl.StOpCtrl_Per1_DiagRampValue_Uls_f32	target_StOpCtrl_Per1_DiagRampValue_Uls_f32		
target_Rte_Inst_Ap_StOpCtrl.StOpCtrl_Per1_DiagStsDiagRmpActive_Cnt_Igc	target_StOpCtrl_Per1_DiagStsDiagRmpActive_Cnt_Igc		
target_Rte_Inst_Ap_StOpCtrl.StOpCtrl_Per1_LoaRateLimit_UlspS_f32	target_StOpCtrl_Per1_LoaRateLimit_UlspS_f32		
target_Rte_Inst_Ap_StOpCtrl.StOpCtrl_Per1_LoaScaleFctr_Uls_f32	target_StOpCtrl_Per1_LoaScaleFctr_Uls_f32		
target_Rte_Inst_Ap_StOpCtrl.StOpCtrl_Per1_OperRampRate_XpmS_f32	target_StOpCtrl_Per1_OperRampRate_XpmS_f32		
target_Rte_Inst_Ap_StOpCtrl.StOpCtrl_Per1_OperRampValue_Uls_f32	target_StOpCtrl_Per1_OperRampValue_Uls_f32		
target_Rte_Inst_Ap_StOpCtrl.StOpCtrl_Per1_OutputRampMult_Uls_f32	target_StOpCtrl_Per1_OutputRampMult_Uls_f32		
target_Rte_Inst_Ap_StOpCtrl.StOpCtrl_Per1_RampSrlComSvcDft_Cnt_Igc	target_StOpCtrl_Per1_RampSrlComSvcDft_Cnt_Igc		
target_Rte_Inst_Ap_StOpCtrl.StOpCtrl_Per1_StrtStopRateLimit_UlspS_f32	target_StOpCtrl_Per1_StrtStopRateLimit_UlspS_f32		
target_Rte_Inst_Ap_StOpCtrl.StOpCtrl_Per1_StrtStopScaleFctr_Uls_f32	target_StOpCtrl_Per1_StrtStopScaleFctr_Uls_f32		
target_Rte_Inst_Ap_StOpCtrl.StOpCtrl_Per1_SysStReqDi_Cnt_Igc	target_StOpCtrl_Per1_SysStReqDi_Cnt_Igc		
target_StOpCtrl_Per1_DiagRampRate_XpmS_f32.value	9.99999975e-005		
target_StOpCtrl_Per1_DiagRampValue_Uls_f32.value	0		
target_StOpCtrl_Per1_DiagStsDiagRmpActive_Cnt_Igc.value	0		
target_StOpCtrl_Per1_LoaRateLimit_UlspS_f32.value	0.00999999978		
target_StOpCtrl_Per1_LoaScaleFctr_Uls_f32.value	0		
target_StOpCtrl_Per1_OperRampRate_XpmS_f32.value	9.99999975e-005		
target_StOpCtrl_Per1_OperRampValue_Uls_f32.value	0		
target_StOpCtrl_Per1_RampSrlComSvcDft_Cnt_Igc.value	0		
target_StOpCtrl_Per1_StrtStopRateLimit_UlspS_f32.value	0.100000001		
target_StOpCtrl_Per1_StrtStopScaleFctr_Uls_f32.value	0		
Name	Actual Value	Expected Value	Result
StOpCtrl_RateSource_Cnt_M_u08	1	1	✔
StOpCtrl_ScaleSV_Uls_M_f32	0	0 ± 0.0000009	✔
StOpCtrl_State_Cnt_M_u08	1	1	✔
target_StOpCtrl_Per1_OutputRampMult_Uls_f32.value	0	0 ± 0.004	✔
target_StOpCtrl_Per1_SysStReqDi_Cnt_Igc.value	1	1	✔

T				
Actual Function	Count	Expected Function	Count	Result
TargetSelection	1	TargetSelection	1	✓

Test Step 3.3 (Repeat Count = 1)

Name	Input Value
Rte_Inst_Ap_StOpCtrl	target_Rte_Inst_Ap_StOpCtrl
StOpCtrl_RateSource_Cnt_M_u08	4
StOpCtrl_ScaleSV_Uls_M_f32	1
StOpCtrl_State_Cnt_M_u08	4
target_Rte_Inst_Ap_StOpCtrl.StOpCtrl_Per1_DiagRampRate_XpmS_f32	target_StOpCtrl_Per1_DiagRampRate_XpmS_f32
target_Rte_Inst_Ap_StOpCtrl.StOpCtrl_Per1_DiagRampValue_Uls_f32	target_StOpCtrl_Per1_DiagRampValue_Uls_f32
target_Rte_Inst_Ap_StOpCtrl.StOpCtrl_Per1_DiagStsDiagRmpActive_Cnt_Igc	target_StOpCtrl_Per1_DiagStsDiagRmpActive_Cnt_Igc
target_Rte_Inst_Ap_StOpCtrl.StOpCtrl_Per1_LoaRateLimit_UlspS_f32	target_StOpCtrl_Per1_LoaRateLimit_UlspS_f32
target_Rte_Inst_Ap_StOpCtrl.StOpCtrl_Per1_LoaScaleFctr_Uls_f32	target_StOpCtrl_Per1_LoaScaleFctr_Uls_f32
target_Rte_Inst_Ap_StOpCtrl.StOpCtrl_Per1_OperRampRate_XpmS_f32	target_StOpCtrl_Per1_OperRampRate_XpmS_f32
target_Rte_Inst_Ap_StOpCtrl.StOpCtrl_Per1_OperRampValue_Uls_f32	target_StOpCtrl_Per1_OperRampValue_Uls_f32
target_Rte_Inst_Ap_StOpCtrl.StOpCtrl_Per1_OutputRampMult_Uls_f32	target_StOpCtrl_Per1_OutputRampMult_Uls_f32
target_Rte_Inst_Ap_StOpCtrl.StOpCtrl_Per1_RampSrlComSvcDft_Cnt_Igc	target_StOpCtrl_Per1_RampSrlComSvcDft_Cnt_Igc
target_Rte_Inst_Ap_StOpCtrl.StOpCtrl_Per1_StrtStopRateLimit_UlspS_f32	target_StOpCtrl_Per1_StrtStopRateLimit_UlspS_f32
target_Rte_Inst_Ap_StOpCtrl.StOpCtrl_Per1_StrtStopScaleFctr_Uls_f32	target_StOpCtrl_Per1_StrtStopScaleFctr_Uls_f32
target_Rte_Inst_Ap_StOpCtrl.StOpCtrl_Per1_SysStReqDi_Cnt_Igc	target_StOpCtrl_Per1_SysStReqDi_Cnt_Igc
target_StOpCtrl_Per1_DiagRampRate_XpmS_f32.value	0.5
target_StOpCtrl_Per1_DiagRampValue_Uls_f32.value	1
target_StOpCtrl_Per1_DiagStsDiagRmpActive_Cnt_Igc.value	1
target_StOpCtrl_Per1_LoaRateLimit_UlspS_f32.value	500
target_StOpCtrl_Per1_LoaScaleFctr_Uls_f32.value	1
target_StOpCtrl_Per1_OperRampRate_XpmS_f32.value	0.00499999989

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Name	Input Value		
target_StOpCtrl_Per1_OperRampValue_Uls_f32.value	1		
target_StOpCtrl_Per1_RampSrlComSvcDft_Cnt_Igc.value	1		
target_StOpCtrl_Per1_StrtStopRateLimit_UlspS_f32.value	500		
target_StOpCtrl_Per1_StrtStopScaleFctr_Uls_f32.value	1		
Name	Actual Value	Expected Value	Result
StOpCtrl_RateSource_Cnt_M_u08	1	1	✔
StOpCtrl_ScaleSV_Uls_M_f32	1	1 ± 0.000009	✔
StOpCtrl_State_Cnt_M_u08	1	1	✔
target_StOpCtrl_Per1_OutputRampMult_Uls_f32.value	1	1 ± 0.004	✔
target_StOpCtrl_Per1_SysStReqDi_Cnt_Igc.value	0	0	✔

T				
Actual Function	Count	Expected Function	Count	Result
TargetSelection	1	TargetSelection	1	✓

Test Step 3.4 (Repeat Count = 1)

Name	Input Value		
Rte_Inst_Ap_StOpCtrl	target_Rte_Inst_Ap_StOpCtrl		
StOpCtrl_RateSource_Cnt_M_u08	1		
StOpCtrl_ScaleSV_Uls_M_f32	0.302492708		
StOpCtrl_State_Cnt_M_u08	2		
target_Rte_Inst_Ap_StOpCtrl.StOpCtrl_Per1_DiagRampRate_XpmS_f32	target_StOpCtrl_Per1_DiagRampRate_XpmS_f32		
target_Rte_Inst_Ap_StOpCtrl.StOpCtrl_Per1_DiagRampValue_Uls_f32	target_StOpCtrl_Per1_DiagRampValue_Uls_f32		
target_Rte_Inst_Ap_StOpCtrl.StOpCtrl_Per1_DiagStsDiagRmpActive_Cnt_Igc	target_StOpCtrl_Per1_DiagStsDiagRmpActive_Cnt_Igc		
target_Rte_Inst_Ap_StOpCtrl.StOpCtrl_Per1_LoaRateLimit_UlspS_f32	target_StOpCtrl_Per1_LoaRateLimit_UlspS_f32		
target_Rte_Inst_Ap_StOpCtrl.StOpCtrl_Per1_LoaScaleFctr_Uls_f32	target_StOpCtrl_Per1_LoaScaleFctr_Uls_f32		
target_Rte_Inst_Ap_StOpCtrl.StOpCtrl_Per1_OperRampRate_XpmS_f32	target_StOpCtrl_Per1_OperRampRate_XpmS_f32		
target_Rte_Inst_Ap_StOpCtrl.StOpCtrl_Per1_OperRampValue_Uls_f32	target_StOpCtrl_Per1_OperRampValue_Uls_f32		
target_Rte_Inst_Ap_StOpCtrl.StOpCtrl_Per1_OutputRampMult_Uls_f32	target_StOpCtrl_Per1_OutputRampMult_Uls_f32		
target_Rte_Inst_Ap_StOpCtrl.StOpCtrl_Per1_RampSrlComSvcDft_Cnt_Igc	target_StOpCtrl_Per1_RampSrlComSvcDft_Cnt_Igc		
target_Rte_Inst_Ap_StOpCtrl.StOpCtrl_Per1_StrtStopRateLimit_UlspS_f32	target_StOpCtrl_Per1_StrtStopRateLimit_UlspS_f32		
target_Rte_Inst_Ap_StOpCtrl.StOpCtrl_Per1_StrtStopScaleFctr_Uls_f32	target_StOpCtrl_Per1_StrtStopScaleFctr_Uls_f32		
target_Rte_Inst_Ap_StOpCtrl.StOpCtrl_Per1_SysStReqDi_Cnt_Igc	target_StOpCtrl_Per1_SysStReqDi_Cnt_Igc		
target_StOpCtrl_Per1_DiagRampRate_XpmS_f32.value	9.99999975e-005		
target_StOpCtrl_Per1_DiagRampValue_Uls_f32.value	0.278027028		
target_StOpCtrl_Per1_DiagStsDiagRmpActive_Cnt_Igc.value	0		
target_StOpCtrl_Per1_LoaRateLimit_UlspS_f32.value	467.263367		
target_StOpCtrl_Per1_LoaScaleFctr_Uls_f32.value	0.913472593		
target_StOpCtrl_Per1_OperRampRate_XpmS_f32.value	0.00184350228		
target_StOpCtrl_Per1_OperRampValue_Uls_f32.value	0.229679927		
target_StOpCtrl_Per1_RampSrlComSvcDft_Cnt_Igc.value	0		
target_StOpCtrl_Per1_StrtStopRateLimit_UlspS_f32.value	12.2960091		
target_StOpCtrl_Per1_StrtStopScaleFctr_Uls_f32.value	0.437346101		
Name	Actual Value	Expected Value	Result
StOpCtrl_RateSource_Cnt_M_u08	1	1	✔
StOpCtrl_ScaleSV_Uls_M_f32	0.298805714	0.298805714 ± 0.0000009	✔
StOpCtrl_State_Cnt_M_u08	1	1	✔
target_StOpCtrl_Per1_OutputRampMult_Uls_f32.value	0.298805714	0.298805714 ± 0.004	✔
target_StOpCtrl_Per1_SysStReqDi_Cnt_Igc.value	0	0	✔

T				
Actual Function	Count	Expected Function	Count	Result
TargetSelection	1	TargetSelection	1	✓

Test Step 3.5 (Repeat Count = 1)

Name	Input Value
Rte_Inst_Ap_StOpCtrl	target_Rte_Inst_Ap_StOpCtrl
StOpCtrl_RateSource_Cnt_M_u08	2
StOpCtrl_ScaleSV_Uls_M_f32	0.491835803
StOpCtrl_State_Cnt_M_u08	4
target_Rte_Inst_Ap_StOpCtrl.StOpCtrl_Per1_DiagRampRate_XpmS_f32	target_StOpCtrl_Per1_DiagRampRate_XpmS_f32
target_Rte_Inst_Ap_StOpCtrl.StOpCtrl_Per1_DiagRampValue_Uls_f32	target_StOpCtrl_Per1_DiagRampValue_Uls_f32
target_Rte_Inst_Ap_StOpCtrl.StOpCtrl_Per1_DiagStsDiagRmpActive_Cnt_Igc	target_StOpCtrl_Per1_DiagStsDiagRmpActive_Cnt_Igc
target_Rte_Inst_Ap_StOpCtrl.StOpCtrl_Per1_LoaRateLimit_UlspS_f32	target_StOpCtrl_Per1_LoaRateLimit_UlspS_f32
target_Rte_Inst_Ap_StOpCtrl.StOpCtrl_Per1_LoaScaleFctr_Uls_f32	target_StOpCtrl_Per1_LoaScaleFctr_Uls_f32
target_Rte_Inst_Ap_StOpCtrl.StOpCtrl_Per1_OperRampRate_XpmS_f32	target_StOpCtrl_Per1_OperRampRate_XpmS_f32

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Name	Input Value		
target_Rte_Inst_Ap_StOpCtrl.StOpCtrl_Per1_OperRampValue_Uls_f32	target_StOpCtrl_Per1_OperRampValue_Uls_f32		
target_Rte_Inst_Ap_StOpCtrl.StOpCtrl_Per1_OutputRampMult_Uls_f32	target_StOpCtrl_Per1_OutputRampMult_Uls_f32		
target_Rte_Inst_Ap_StOpCtrl.StOpCtrl_Per1_RampSrlComSvcDft_Cnt_Igc	target_StOpCtrl_Per1_RampSrlComSvcDft_Cnt_Igc		
target_Rte_Inst_Ap_StOpCtrl.StOpCtrl_Per1_StrtStopRateLimit_UlspS_f32	target_StOpCtrl_Per1_StrtStopRateLimit_UlspS_f32		
target_Rte_Inst_Ap_StOpCtrl.StOpCtrl_Per1_StrtStopScaleFctr_Uls_f32	target_StOpCtrl_Per1_StrtStopScaleFctr_Uls_f32		
target_Rte_Inst_Ap_StOpCtrl.StOpCtrl_Per1_SysStReqDi_Cnt_Igc	target_StOpCtrl_Per1_SysStReqDi_Cnt_Igc		
target_StOpCtrl_Per1_DiagRampRate_XpmS_f32.value	0.109179109		
target_StOpCtrl_Per1_DiagRampValue_Uls_f32.value	0.5		
target_StOpCtrl_Per1_DiagStsDiagRmpActive_Cnt_Igc.value	0		
target_StOpCtrl_Per1_LoaRateLimit_UlspS_f32.value	62.8037148		
target_StOpCtrl_Per1_LoaScaleFctr_Uls_f32.value	0.0365810841		
target_StOpCtrl_Per1_OperRampRate_XpmS_f32.value	0.00349366385		
target_StOpCtrl_Per1_OperRampValue_Uls_f32.value	0.376354158		
target_StOpCtrl_Per1_RampSrlComSvcDft_Cnt_Igc.value	0		
target_StOpCtrl_Per1_StrtStopRateLimit_UlspS_f32.value	400.485138		
target_StOpCtrl_Per1_StrtStopScaleFctr_Uls_f32.value	0.805990219		
Name	Actual Value	Expected Value	Result
StOpCtrl_RateSource_Cnt_M_u08	2	2	✔
StOpCtrl_ScaleSV_Uls_M_f32	0.366228372	0.366228372 ± 0.0000009	✔
StOpCtrl_State_Cnt_M_u08	2	2	✔
target_StOpCtrl_Per1_OutputRampMult_Uls_f32.value	0.366228372	0.366228372 ± 0.004	✔
target_StOpCtrl_Per1_SysStReqDi_Cnt_Igc.value	0	0	✔

T				
Actual Function	Count	Expected Function	Count	Result
TargetSelection	1	TargetSelection	1	✓

Test Step 3.6 (Repeat Count = 1)				
Name		Input Value		
Rte_Inst_Ap_StOpCtrl		target_Rte_Inst_Ap_StOpCtrl		
StOpCtrl_RateSource_Cnt_M_u08		1		
StOpCtrl_ScaleSV_Uls_M_f32		0		
StOpCtrl_State_Cnt_M_u08		1		
target_Rte_Inst_Ap_StOpCtrl.StOpCtrl_Per1_DiagRampRate_XpmS_f32		target_StOpCtrl_Per1_DiagRampRate_XpmS_f32		
target_Rte_Inst_Ap_StOpCtrl.StOpCtrl_Per1_DiagRampValue_Uls_f32		target_StOpCtrl_Per1_DiagRampValue_Uls_f32		
target_Rte_Inst_Ap_StOpCtrl.StOpCtrl_Per1_DiagStsDiagRmpActive_Cnt_Igc		target_StOpCtrl_Per1_DiagStsDiagRmpActive_Cnt_Igc		
target_Rte_Inst_Ap_StOpCtrl.StOpCtrl_Per1_LoaRateLimit_UlspS_f32		target_StOpCtrl_Per1_LoaRateLimit_UlspS_f32		
target_Rte_Inst_Ap_StOpCtrl.StOpCtrl_Per1_LoaScaleFctr_Uls_f32		target_StOpCtrl_Per1_LoaScaleFctr_Uls_f32		
target_Rte_Inst_Ap_StOpCtrl.StOpCtrl_Per1_OperRampRate_XpmS_f32		target_StOpCtrl_Per1_OperRampRate_XpmS_f32		
target_Rte_Inst_Ap_StOpCtrl.StOpCtrl_Per1_OperRampValue_Uls_f32		target_StOpCtrl_Per1_OperRampValue_Uls_f32		
target_Rte_Inst_Ap_StOpCtrl.StOpCtrl_Per1_OutputRampMult_Uls_f32		target_StOpCtrl_Per1_OutputRampMult_Uls_f32		
target_Rte_Inst_Ap_StOpCtrl.StOpCtrl_Per1_RampSrlComSvcDft_Cnt_Igc		target_StOpCtrl_Per1_RampSrlComSvcDft_Cnt_Igc		
target_Rte_Inst_Ap_StOpCtrl.StOpCtrl_Per1_StrtStopRateLimit_UlspS_f32		target_StOpCtrl_Per1_StrtStopRateLimit_UlspS_f32		
target_Rte_Inst_Ap_StOpCtrl.StOpCtrl_Per1_StrtStopScaleFctr_Uls_f32		target_StOpCtrl_Per1_StrtStopScaleFctr_Uls_f32		
target_Rte_Inst_Ap_StOpCtrl.StOpCtrl_Per1_SysStReqDi_Cnt_Igc		target_StOpCtrl_Per1_SysStReqDi_Cnt_Igc		
target_StOpCtrl_Per1_DiagRampRate_XpmS_f32.value		0.5		
target_StOpCtrl_Per1_DiagRampValue_Uls_f32.value		0		
target_StOpCtrl_Per1_DiagStsDiagRmpActive_Cnt_Igc.value		1		
target_StOpCtrl_Per1_LoaRateLimit_UlspS_f32.value		0.00999999978		
target_StOpCtrl_Per1_LoaScaleFctr_Uls_f32.value		0		
target_StOpCtrl_Per1_OperRampRate_XpmS_f32.value		9.99999975e-005		
target_StOpCtrl_Per1_OperRampValue_Uls_f32.value		0		
target_StOpCtrl_Per1_RampSrlComSvcDft_Cnt_Igc.value		0		
target_StOpCtrl_Per1_StrtStopRateLimit_UlspS_f32.value		0.100000001		
target_StOpCtrl_Per1_StrtStopScaleFctr_Uls_f32.value		0		
Name	Actual Value	Expected Value	Result	
StOpCtrl_RateSource_Cnt_M_u08	1	1	✔	
StOpCtrl_ScaleSV_Uls_M_f32	0	0 ± 0.0000009	✔	
StOpCtrl_State_Cnt_M_u08	1	1	✔	
target_StOpCtrl_Per1_OutputRampMult_Uls_f32.value	0	0 ± 0.004	✔	
target_StOpCtrl_Per1_SysStReqDi_Cnt_Igc.value	1	1	✔	

T				
Actual Function	Count	Expected Function	Count	Result
TargetSelection	1	TargetSelection	1	✓

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Test Step 3.7 (Repeat Count = 1)

Name	Input Value		
Rte_Inst_Ap_StOpCtrl	target_Rte_Inst_Ap_StOpCtrl		
StOpCtrl_RateSource_Cnt_M_u08	3		
StOpCtrl_ScaleSV_Uls_M_f32	0.874079227		
StOpCtrl_State_Cnt_M_u08	2		
target_Rte_Inst_Ap_StOpCtrl.StOpCtrl_Per1_DiagRampRate_XpmS_f32	target_StOpCtrl_Per1_DiagRampRate_XpmS_f32		
target_Rte_Inst_Ap_StOpCtrl.StOpCtrl_Per1_DiagRampValue_Uls_f32	target_StOpCtrl_Per1_DiagRampValue_Uls_f32		
target_Rte_Inst_Ap_StOpCtrl.StOpCtrl_Per1_DiagStsDiagRmpActive_Cnt_Igc	target_StOpCtrl_Per1_DiagStsDiagRmpActive_Cnt_Igc		
target_Rte_Inst_Ap_StOpCtrl.StOpCtrl_Per1_LoaRateLimit_UlspS_f32	target_StOpCtrl_Per1_LoaRateLimit_UlspS_f32		
target_Rte_Inst_Ap_StOpCtrl.StOpCtrl_Per1_LoaScaleFctr_Uls_f32	target_StOpCtrl_Per1_LoaScaleFctr_Uls_f32		
target_Rte_Inst_Ap_StOpCtrl.StOpCtrl_Per1_OperRampRate_XpmS_f32	target_StOpCtrl_Per1_OperRampRate_XpmS_f32		
target_Rte_Inst_Ap_StOpCtrl.StOpCtrl_Per1_OperRampValue_Uls_f32	target_StOpCtrl_Per1_OperRampValue_Uls_f32		
target_Rte_Inst_Ap_StOpCtrl.StOpCtrl_Per1_OutputRampMult_Uls_f32	target_StOpCtrl_Per1_OutputRampMult_Uls_f32		
target_Rte_Inst_Ap_StOpCtrl.StOpCtrl_Per1_RampSrlComSvcDft_Cnt_Igc	target_StOpCtrl_Per1_RampSrlComSvcDft_Cnt_Igc		
target_Rte_Inst_Ap_StOpCtrl.StOpCtrl_Per1_StrtStopRateLimit_UlspS_f32	target_StOpCtrl_Per1_StrtStopRateLimit_UlspS_f32		
target_Rte_Inst_Ap_StOpCtrl.StOpCtrl_Per1_StrtStopScaleFctr_Uls_f32	target_StOpCtrl_Per1_StrtStopScaleFctr_Uls_f32		
target_Rte_Inst_Ap_StOpCtrl.StOpCtrl_Per1_SysStReqDi_Cnt_Igc	target_StOpCtrl_Per1_SysStReqDi_Cnt_Igc		
target_StOpCtrl_Per1_DiagRampRate_XpmS_f32.value	0.149735615		
target_StOpCtrl_Per1_DiagRampValue_Uls_f32.value	0.496800482		
target_StOpCtrl_Per1_DiagStsDiagRmpActive_Cnt_Igc.value	0		
target_StOpCtrl_Per1_LoaRateLimit_UlspS_f32.value	0.00999999978		
target_StOpCtrl_Per1_LoaScaleFctr_Uls_f32.value	0		
target_StOpCtrl_Per1_OperRampRate_XpmS_f32.value	0.00274528307		
target_StOpCtrl_Per1_OperRampValue_Uls_f32.value	1		
target_StOpCtrl_Per1_RampSrlComSvcDft_Cnt_Igc.value	0		
target_StOpCtrl_Per1_StrtStopRateLimit_UlspS_f32.value	0.100000001		
target_StOpCtrl_Per1_StrtStopScaleFctr_Uls_f32.value	0.374679446		
Name	Actual Value	Expected Value	Result
StOpCtrl_RateSource_Cnt_M_u08	2	2	✔
StOpCtrl_ScaleSV_Uls_M_f32	0.8740592	0.8740592 ± 0.0000009	✔
StOpCtrl_State_Cnt_M_u08	2	2	✔
target_StOpCtrl_Per1_OutputRampMult_Uls_f32.value	0.8740592	0.8740592 ± 0.004	✔
target_StOpCtrl_Per1_SysStReqDi_Cnt_Igc.value	0	0	✔

T				
Actual Function	Count	Expected Function	Count	Result
TargetSelection	1	TargetSelection	1	✓