

Summary

Overall Test Object Results (including Coverage)



Date: 2015-01-29 **Time:** 19:02:29+0530



Selected Project Items

Test Object "CBD_UnitTest/MtrDrvDiag/GateDrvWaitTime"
Test Object "CBD_UnitTest/MtrDrvDiag/MotorDriverInit"
Test Object "CBD_UnitTest/MtrDrvDiag/MtrDrvDiag_Per1"
Test Object "CBD_UnitTest/MtrDrvDiag/MtrDrvDiag_Per2"
Test Object "CBD_UnitTest/MtrDrvDiag/MtrDrvDiag_Trns1"
Test Object "CBD_UnitTest/MtrDrvDiag/ProcBridgeFlt"
Test Object "CBD_UnitTest/MtrDrvDiag/ProcGateDriveFlt"
Test Object "CBD_UnitTest/MtrDrvDiag/ReadMtrDrvFltData"
Test Object "CBD_UnitTest/MtrDrvDiag/ResetGateDrive"

Used Test Environments

TI TMS 570 PLS UDE (Default)

Batch Operation Settings

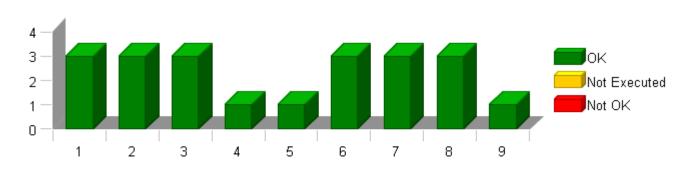
Check Interface: No
Generate Driver: Yes
Execute Test: Yes
Create New Test Run: No

Instrumentation: Test Object Only

Coverage: Statement Coverage, Branch Coverage, Decision Coverage, Modified Condition /

Decision Coverage, Multiple Condition Coverage

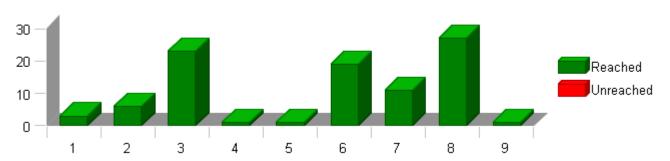
Test Case Results for Each Test Object (without Coverage)





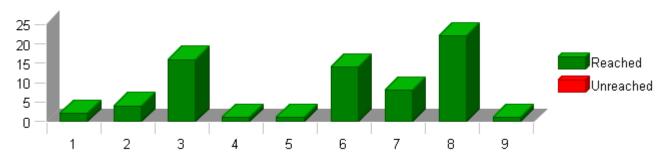
The table above shows each test object on the x axis and the number of test cases of the respective test object on the y axis. Each bar is divided into passed, not executed and failed test cases. The test case results do not take into account any coverage result (i.e. if all test cases of a test object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

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



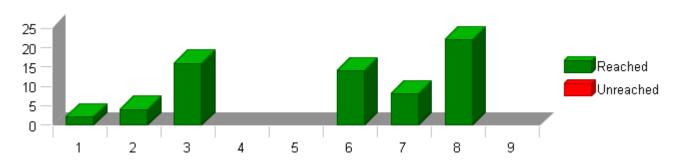
The table above shows each test object on the x axis and the number of statements of the respective test object on the y axis. Each bar is divided into reached statements (i.e. statements that have been executed during the test) and unreached statements.

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



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

Decision Coverage: Total Decision Outcomes for Each Test Object

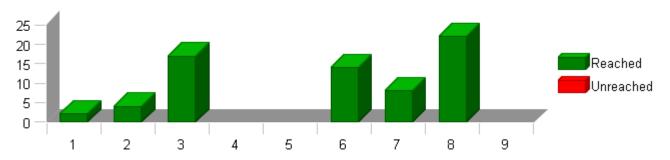


The table above shows test objects on the x axis and the number of possible outcomes of all decisions of the respective test object on the y axis. To achieve full DC coverage, each decision must evaluate to both true and false.

Each bar is divided into reached and unreached decision outcomes.



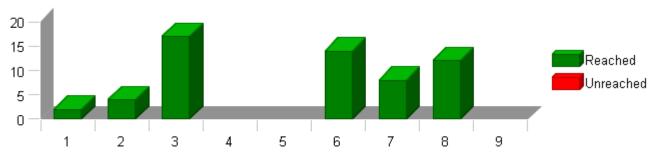
MC/DC Coverage: Total Condition Combinations for Each Test Object



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

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

MCC Coverage: Total Condition Combinations for Each Test Object



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

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

TEST OVERVIEW REPORT

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Project MtrDrvDiag

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
	MtrDrvDiag	100 %	100 %	100 %	100 %	100 %	21 of 21 passed
	CBD_UnitTest	100 %	100 %	100 %	100 %	100 %	21 of 21 passed
	MtrDrvDiag	100 %	100 %	100 %	100 %	100 %	21 of 21 passed
1	<u>GateDrvWaitTime</u>	100 %	100 %	100 %	100 %	100 %	3 of 3 passed
2	<u>MotorDriverInit</u>	100 %	100 %	100 %	100 %	100 %	3 of 3 passed
3	MtrDrvDiag Per1	100 %	100 %	100 %	100 %	100 %	3 of 3 passed
4	MtrDrvDiag Per2	100 %	100 %	-	-	-	1 of 1 passed
5	MtrDrvDiag Trns1	100 %	100 %	-	-	-	1 of 1 passed
6	<u>ProcBridgeFlt</u>	100 %	100 %	100 %	100 %	100 %	3 of 3 passed
7	<u>ProcGateDriveFlt</u>	100 %	100 %	100 %	100 %	100 %	3 of 3 passed
8	<u>ReadMtrDrvFltData</u>	100 %	100 %	100 %	100 %	100 %	3 of 3 passed
9	<u>ResetGateDrive</u>	100 %	100 %	-	-	-	1 of 1 passed

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ResetGateDrive

 Project
 MtrDrvDiag

 Module
 MtrDrvDiag

 Test Object
 ResetGateDrive

Instrumentation: Test Object Only

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

Statistics

Total Testcases	1	
Successful	1	~
Failed	0	
Not Executed	0	

Module Properties

Project Root Directory	D:\Synergy_Work_Area\CBD_MtrDrvDiag			
Configuration File	D:\Synergy_Work_Area\CBD_MtrDrvDiag\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)\MtrDrvDiag\src\Sa_MtrDrvDiag.c			
Compiler Options	-Dconst= -D_DATA_ACCESS= -DSKIP_MAGIC_NUMBER= -Dstatic= -I\$(PROJECTROOT)\NxtrLib\include -I\$(PROJECTROOT)\StdDef \include -I\$(PROJECTROOT)\MtrDrvDiag\utp\contract -I\$(Compiler Install Path)\include			

Comments/Descript Name	
Name Module 'MtrDrvDiag'	Text Warne of Tester: Spoorti Mali Code File(s) Under Test: Sa_MtrDrvDiag.c Code File(s) Version: 22 Module Design Document:Motor_Driver_Diagnostics_MDD.doc Module Design Document Version: 11 Data Dictionary Version: 11 Unit Test Plan Version: 3 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 1.31 Total FLASH Used (Bytes): 1334 Total RAM Used (Bytes): 17 Total CALS Used (Bytes): 50 Special Test Requirements: Test Date:01-29-2015 Comments: Note 1:Inline function defined in ""Gloabalmacro.h"" is not unit Tested.
	Note 2:In ""GateDrvWaitTime"" function extra code is added in VBA,to exit the while loop and to replicate the usercode functionality of TESSY.
	Note 3:In ""ReadMtrDrvFitData""function, ""DataHigh_Cnt_T_lgc"" temporary variable and ""Rte_Call_SystemTime_DtrmnElapsedTime_uS_u16"" stub are used as ""DataHigh_Cnt_T_lgc_Array[10]"" and ""Rte_Call_FetFlt1Data_OP_GET_Array[11]"" to replicate the usercode functionality of TESSY.
	Note 4:In functions ""ProcGateDriveFit"", ""ProcBridgeFit"", ""MtrDrvDiag_Per1"", ""ReadMtrDrvFitData"" functions, ""Rte_Call_SystemTime_DtrmnElapsedTime_uS_u16""is not tested with its Min value, to avoid the infinite loop.
	Note 5:""CBD_Sandbox_dbg.map"" file is embedded for reference."

Attributes					
Name	Value				
Compiler Install Path	\$(ProgramFiles)\Texas Instruments\ccsv4\tools\compiler\tms470_4.9.5				
Float Precision	9				
InitObjDir	<pre>\$(PROJECTROOT)\UnitTestEnv\static_build_files\obj</pre>				

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Attributes					
Name	Value				
InitSrcDir	\$(PROJECTROOT)\UnitTestEnv\static_build_files\src				
Linker File	<pre>\$(PROJECTROOT)\UnitTestEnv\static_build_files\sys_link.cmd</pre>				
Makefile Template	\$(PROJECTROOT)\UnitTestEnv\config\Nexteer_ts_make_ude_ti_tms570_ps.tpl				
Target Install Path	<pre>\$(ProgramFiles)\pls</pre>				
Time Unit	Cycles				
Timer Enabled	false				
Timer Prescale	0				
Timer Resolution	1				
UDE Config File	\$(PROJECTROOT)\UnitTestEnv\config\TMS570_UDE_12PIN_JTAG.cfg				
Workspace File	D:\Synergy_Work_Area\CBD_MtrDrvDiag\UnitTestEnv\config\UDE_TMS570_DEBUG.WSP				



Test Case 1: Path Test

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

TC1.1 1817.00 Cycles

Description Vector Description

TS1.1 Check for Call Trace

Test Step 1.1 (Repeat Count = 1)	✓
Name	Input Value
Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32(CurrentTime)	tgt_Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32_Curr
tgt_Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32_Curr	20

Test Step Call Trace ✓					
Actual Function	Count	Expected Function	Count	Result	
SuspendAllInterrupts	1	SuspendAllInterrupts	1	~	
Rte_Call_Sa_MtrDrvDiag_FetDrvReset_OP_SET	1	Rte_Call_Sa_MtrDrvDiag_FetDrvReset_OP_SET	1	~	
GateDrvWaitTime	1	GateDrvWaitTime	1	~	
Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32	1	Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32	1	~	
Rte_Call_Sa_MtrDrvDiag_SystemTime_DtrmnElapsedTime_uS_u16	2	Rte_Call_Sa_MtrDrvDiag_SystemTime_DtrmnElapsedTime_uS_u16	2	~	
Rte_Call_Sa_MtrDrvDiag_FetDrvReset_OP_SET	1	Rte_Call_Sa_MtrDrvDiag_FetDrvReset_OP_SET	1	~	
ResumeAllInterrupts	1	ResumeAllInterrupts	1	~	

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Project	MtrDrvDiag
Module	MtrDrvDiag
Test Object	MotorDriverInit

Instrumentation: Test Object Only

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

Statistics

Total Testcases	3	
Successful	3	~
Failed	0	
Not Executed	0	

Module Properties

Project Root Directory	D:\Synergy_Work_Area\CBD_MtrDrvDiag
Configuration File	D:\Synergy_Work_Area\CBD_MtrDrvDiag\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)\MtrDrvDiag\src\Sa_MtrDrvDiag.c
Compiler Options	-Dconst= -D_DATA_ACCESS= -DSKIP_MAGIC_NUMBER= -Dstatic= -I\$(PROJECTROOT)\NxtrLib\include -I\$(PROJECTROOT)\StdDef \include -I\$(PROJECTROOT)\MtrDrvDiag\utp\contract -I\$(Compiler Install Path)\include

Comments/Description/Specific	ication
Name Text	xt



Module 'MtrDrvDiag'

Name of Tester: Spoorti Mali

Code File(s) Under Test: Sa_MtrDrvDiag.c Code File(s) Version: 22 Module Design Document:Motor_Driver_Diagnostics_MDD.doc

Module Design Document:Motor_Driver_Diagnostics_MDD.doc
Module Design Document Version: 11
Data Dictionary Version: 11
Unit Test Plan Version: 3
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 1.31
Total FLASH Used (Bytes): 1334
Total RAM Used (Bytes): 17
Total CALS Used (Bytes): 50
Special Test Requirements:
Test Date:01-29-2015
Comments: Comments:

Note 1:Inline function defined in ""Gloabalmacro.h""

is not unit Tested.

Note 2:In ""GateDrvWaitTime"" function extra code is added in VBA, to exit the while loop and to replicate the usercode functionality of TESSY.

Note 3:In ""ReadMtrDrvFltData""function,""DataHigh_Cnt_T_lgc"" temporary variable and ""Rte_Call_SystemTime_DtrmnElapsedTime_uS_u16"" stub are used as ""DataHigh_Cnt_T_lgc_Array[10]"" and ""Rte_Call_FetFlt1Data_OP_GET_Array[11]"" to replicate the usercode functionality of TESSY.

Note 4:In functions ""ProcGateDriveFlt"" , ""ProcBridgeFlt"" , ""MtrDrvDiag_Per1"", ""ReadMtrDrvFltData"" functions, ""Rte_Call_SystemTime_DtrmnElapsedTime_uS_u16""is not tested with its Min value, to avoid the infinite loop.

Note 5:""CBD_Sandbox_dbg.map"" file is embedded for reference."

Attributes	
Name	Value
Compiler Install Path	\$(ProgramFiles)\Texas Instruments\ccsv4\tools\compiler\tms470_4.9.5
Float Precision	9
InitObjDir	\$(PROJECTROOT)\UnitTestEnv\static_build_files\obj
InitSrcDir	\$(PROJECTROOT)\UnitTestEnv\static_build_files\src
Linker File	\$(PROJECTROOT)\UnitTestEnv\static_build_files\sys_link.cmd
Makefile Template	\$(PROJECTROOT)\UnitTestEnv\config\Nexteer_ts_make_ude_ti_tms570_ps.tpl
Target Install Path	\$(ProgramFiles)\pls
Time Unit	Cycles
Timer Enabled	false
Timer Prescale	0
Timer Resolution	
UDE Config File	\$(PROJECTROOT)\UnitTestEnv\config\TMS570_UDE_12PIN_JTAG.cfg
Workspace File	D:\Synergy_Work_Area\CBD_MtrDrvDiag\UnitTestEnv\config\UDE_TMS570_DEBUG.WSP



Test Case 1: Metrics Test

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

TC1.1 251 Cycles TC1.2 504 Cycles

Description Vector Description

TS1.1"Shortest execution path: (0==SVDiag_MtrDrvInitActive_Cnt_M_lgc)=false && (ElapsedTime_mS_T_u16p0>10)=true" TS1.2"Longest execution path (0==SVDiag_MtrDrvInitActive_Cnt_M_lgc)=true && (ElapsedTime_mS_T_u16p0>10)=true"

Test Step 1.1 (Repeat Count = 1)			✓
Name	Input Value		
Rte Call Sa MtrDrvDiag SystemTime DtrmnElapsedTime mS u16(ElapsedTime)	target_Rte_Call_Sa_MtrDrvDiag_SystemTim	e_DtrmnElapsedTime_mS_u16_ElapsedTime	
Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_mS_u32(CurrentTime)	tgt_Rte_Call_Sa_MtrDrvDiag_SystemTime_0	GetSystemTime_mS_u32_Curr	
Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32(CurrentTime)	tgt_Rte_Call_Sa_MtrDrvDiag_SystemTime_0	GetSystemTime_uS_u32_Curr	
SVDiag_MtrDrvInitActive_Cnt_M_lgc	1		
SVDiag_MtrDrvInitStartTime_mS_M_u32p0	747		
target_Rte_Call_Sa_MtrDrvDiag_SystemTime_DtrmnElapsedTime_mS_u16_Elapse	755		
tgt_Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_mS_u32_Curr	83462		
tgt_Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32_Curr	231		
Name	Actual Value	Expected Value	Result
MotorDriverInit()	1	1	~
SVDiag_MtrDrvInitActive_Cnt_M_lgc	0	0	~
SVDiag_MtrDrvInitStartTime_mS_M_u32p0	747	747 ± 1	~

Test Step Call Trace					
Actual Function	Count	Expected Function	Count	Result	
Rte_Call_Sa_MtrDrvDiag_SystemTime_DtrmnElapsedTime_mS_u16	1	Rte_Call_Sa_MtrDrvDiag_SystemTime_DtrmnElapsedTime_mS_u16	1	~	
ResetGateDrive	1	ResetGateDrive	1	•	
SuspendAllInterrupts	1	SuspendAllInterrupts	1	~	
Rte_Call_Sa_MtrDrvDiag_FetDrvReset_OP_SET	1	Rte_Call_Sa_MtrDrvDiag_FetDrvReset_OP_SET	1	•	
GateDrvWaitTime	1	GateDrvWaitTime	1	~	
Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32	1	Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32	1	•	
Rte_Call_Sa_MtrDrvDiag_SystemTime_DtrmnElapsedTime_uS_u16	1	Rte_Call_Sa_MtrDrvDiag_SystemTime_DtrmnElapsedTime_uS_u16	1	~	
Rte_Call_Sa_MtrDrvDiag_FetDrvReset_OP_SET	1	Rte_Call_Sa_MtrDrvDiag_FetDrvReset_OP_SET	1	•	
ResumeAllInterrupts	1	ResumeAllInterrupts	1	~	

Test Step 1.2 (Repeat Count = 1)			
Name	Input Value		
Rte_Call_Sa_MtrDrvDiag_SystemTime_DtrmnElapsedTime_mS_u16(Elapsed	Time) target_Rte_Call_Sa_MtrDrv	Diag_SystemTime_DtrmnElapsedTime_mS_u16_Elapse	edTime
$Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_mS_u32 (CurrentTime_mS_u32) (CurrentTime_mS$	e) tgt_Rte_Call_Sa_MtrDrvDia	g_SystemTime_GetSystemTime_mS_u32_Curr	
Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32(CurrentTime	tgt_Rte_Call_Sa_MtrDrvDia	g_SystemTime_GetSystemTime_uS_u32_Curr	
SVDiag_MtrDrvInitActive_Cnt_M_lgc	0		
SVDiag_MtrDrvInitStartTime_mS_M_u32p0	3125		
target_Rte_Call_Sa_MtrDrvDiag_SystemTime_DtrmnElapsedTime_mS_u16_E	Elaps∈ 235		
tgt_Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_mS_u32_Curr	6653		
tgt_Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32_Curr	562		
Name	Actual Value	Expected Value	Result
MotorDriverInit()	1	1	~
SVDiag_MtrDrvInitActive_Cnt_M_lgc	0	0	~
SVDiag MtrDrvInitStartTime mS M u32p0	6653	6653 ± 1	✓

Test Step Call Trace					
Actual Function	Count	Expected Function	Count	Result	
Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_mS_u32	1	Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_mS_u32	1	~	
Rte_Call_Sa_MtrDrvDiag_SystemTime_DtrmnElapsedTime_mS_u16	1	Rte_Call_Sa_MtrDrvDiag_SystemTime_DtrmnElapsedTime_mS_u16	1	•	
ResetGateDrive	1	ResetGateDrive	1	~	
SuspendAllInterrupts	1	SuspendAllInterrupts	1	•	
Rte_Call_Sa_MtrDrvDiag_FetDrvReset_OP_SET	1	Rte_Call_Sa_MtrDrvDiag_FetDrvReset_OP_SET	1	~	
GateDrvWaitTime	1	GateDrvWaitTime	1	~	
Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32	1	Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32	1	~	
Rte_Call_Sa_MtrDrvDiag_SystemTime_DtrmnElapsedTime_uS_u16	1	Rte_Call_Sa_MtrDrvDiag_SystemTime_DtrmnElapsedTime_uS_u16	1	•	
Rte_Call_Sa_MtrDrvDiag_FetDrvReset_OP_SET	1	Rte_Call_Sa_MtrDrvDiag_FetDrvReset_OP_SET	1	~	
ResumeAllInterrupts	1	ResumeAllInterrupts	1	~	



Test Case 2: Boundary Test

Specification

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

TC2.1 504 Cycles
TC2.2 251 Cycles
TC2.3 505 Cycles
TC2.4 505 Cycles
TC2.5 505 Cycles
TC2.5 505 Cycles
TC2.7 505 Cycles
TC2.7 505 Cycles
TC2.8 505 Cycles
TC2.1 251 Cycles
TC2.1 251 Cycles
TC2.1 251 Cycles

Description Vector Description

TS2.1SVDiag_MtrDrvInitActive_Cnt_M_lgc=False
TS2.2SVDiag_MtrDrvInitActive_Cnt_M_lgc=True
TS2.3SVDiag_MtrDrvInitStartTime_mS_M_u32p0=min
TS2.4SVDiag_MtrDrvInitStartTime_mS_M_u32p0=max
TS2.5SVDiag_MtrDrvInitStartTime_mS_M_u32p0=pos
TS2.6Rte_Call_SystemTime_GetSystemTime_mS_u32=min
TS2.7Rte_Call_SystemTime_GetSystemTime_mS_u32=max
TS2.8Rte_Call_SystemTime_GetSystemTime_mS_u32=pos
TS2.9Rte_Call_SystemTime_DtrmnElapsedTime_mS_u16=min
TS2.10Rte_Call_SystemTime_DtrmnElapsedTime_mS_u16=max
TS2.11Rte_Call_SystemTime_DtrmnElapsedTime_mS_u16=pos
TS2.12All Min
TS2.13All Max

Test Step 2.1 (Repeat Count = 1)				
Name	Input Value			
Rte_Call_Sa_MtrDrvDiag_SystemTime_DtrmnElapsedTime_mS_u16(ElapsedTime)	target_Rte_Call_Sa_MtrDrvDiag_SystemTim	e_DtrmnElapsedTime_mS_u16_ElapsedTime		
Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_mS_u32(CurrentTime)	tgt_Rte_Call_Sa_MtrDrvDiag_SystemTime_0	GetSystemTime_mS_u32_Curr		
Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32(CurrentTime)	tgt_Rte_Call_Sa_MtrDrvDiag_SystemTime_0	GetSystemTime_uS_u32_Curr		
SVDiag_MtrDrvInitActive_Cnt_M_lgc	0			
SVDiag_MtrDrvInitStartTime_mS_M_u32p0	3125			
target Rte Call Sa MtrDrvDiag SystemTime DtrmnElapsedTime mS u16 Elapse	235			
tgt_Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_mS_u32_Curr 6653				
tgt_Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32_Curr	562			
Name	Actual Value	Expected Value	Result	
MotorDriverInit()	1	1	~	
SVDiag_MtrDrvInitActive_Cnt_M_lgc	0	0	~	
SVDiag_MtrDrvInitStartTime_mS_M_u32p0	6653	6653 ± 1	~	

Test Step Call Trace ✓				
Actual Function	Count	Expected Function	Count	Result
Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_mS_u32	1	Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_mS_u32	1	~
Rte_Call_Sa_MtrDrvDiag_SystemTime_DtrmnElapsedTime_mS_u16	1	Rte_Call_Sa_MtrDrvDiag_SystemTime_DtrmnElapsedTime_mS_u16	1	~
ResetGateDrive	1	ResetGateDrive	1	~
SuspendAllInterrupts	1	SuspendAllInterrupts	1	~
Rte_Call_Sa_MtrDrvDiag_FetDrvReset_OP_SET	1	Rte_Call_Sa_MtrDrvDiag_FetDrvReset_OP_SET	1	~
GateDrvWaitTime	1	GateDrvWaitTime	1	✓
Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32	1	Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32	1	~
Rte_Call_Sa_MtrDrvDiag_SystemTime_DtrmnElapsedTime_uS_u16	1	Rte_Call_Sa_MtrDrvDiag_SystemTime_DtrmnElapsedTime_uS_u16	1	✓
Rte_Call_Sa_MtrDrvDiag_FetDrvReset_OP_SET	1	Rte_Call_Sa_MtrDrvDiag_FetDrvReset_OP_SET	1	~
ResumeAllInterrupts	1	ResumeAllInterrupts	1	✓

Test Step 2.2 (Repeat Count = 1)			~
Name	Input Value		
Rte_Call_Sa_MtrDrvDiag_SystemTime_DtrmnElapsedTime_mS_u16(ElapsedTime)	target_Rte_Call_Sa_MtrDrvDiag_SystemTime	e_DtrmnElapsedTime_mS_u16_ElapsedTime	
Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_mS_u32(CurrentTime)	tgt_Rte_Call_Sa_MtrDrvDiag_SystemTime_C	GetSystemTime_mS_u32_Curr	
Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32(CurrentTime)	tgt_Rte_Call_Sa_MtrDrvDiag_SystemTime_0	GetSystemTime_uS_u32_Curr	
SVDiag_MtrDrvInitActive_Cnt_M_lgc	1		
SVDiag_MtrDrvInitStartTime_mS_M_u32p0	747		
$target_Rte_Call_Sa_MtrDrvDiag_SystemTime_DtrmnElapsedTime_mS_u16_Elapsetrum = 0.0000000000000000000000000000000000$	755		
tgt_Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_mS_u32_Curr	83462		
tgt_Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32_Curr	231		
Name	Actual Value	Expected Value	Result
MotorDriverInit()	1	1	~
SVDiag_MtrDrvInitActive_Cnt_M_lgc	0	0	~

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MotorDriverInit

Name	Actual Value	Expected Value	Result
SVDiag MtrDrvInitStartTime mS M u32p0	747	747 ± 1	✓

Test Step Call Trace				
Actual Function	Count	Expected Function	Count	Result
Rte_Call_Sa_MtrDrvDiag_SystemTime_DtrmnElapsedTime_mS_u16	1	Rte_Call_Sa_MtrDrvDiag_SystemTime_DtrmnElapsedTime_mS_u16	1	~
ResetGateDrive	1	ResetGateDrive	1	•
SuspendAllInterrupts	1	SuspendAllInterrupts	1	~
Rte_Call_Sa_MtrDrvDiag_FetDrvReset_OP_SET	1	Rte_Call_Sa_MtrDrvDiag_FetDrvReset_OP_SET	1	•
GateDrvWaitTime	1	GateDrvWaitTime	1	~
Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32	1	Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32	1	•
Rte_Call_Sa_MtrDrvDiag_SystemTime_DtrmnElapsedTime_uS_u16	1	Rte_Call_Sa_MtrDrvDiag_SystemTime_DtrmnElapsedTime_uS_u16	1	•
Rte_Call_Sa_MtrDrvDiag_FetDrvReset_OP_SET	1	Rte_Call_Sa_MtrDrvDiag_FetDrvReset_OP_SET	1	•
ResumeAllInterrupts	1	ResumeAllInterrupts	1	~

Test Step 2.3 (Repeat Count = 1)			✓
Name	Input Value		
Rte_Call_Sa_MtrDrvDiag_SystemTime_DtrmnElapsedTime_mS_u16(ElapsedTime	target_Rte_Call_Sa_MtrDrvDiag_SystemTim	e_DtrmnElapsedTime_mS_u16_ElapsedTime	
Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_mS_u32(CurrentTime)	tgt_Rte_Call_Sa_MtrDrvDiag_SystemTime_0	GetSystemTime_mS_u32_Curr	
Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32(CurrentTime)	tgt_Rte_Call_Sa_MtrDrvDiag_SystemTime_0	GetSystemTime_uS_u32_Curr	
SVDiag_MtrDrvInitActive_Cnt_M_lgc	0		
SVDiag_MtrDrvInitStartTime_mS_M_u32p0	0		
target Rte Call Sa MtrDrvDiag SystemTime DtrmnElapsedTime mS u16 Elapse	235		
tgt_Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_mS_u32_Curr	6653		
tgt_Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32_Curr	562		
Name	Actual Value	Expected Value	Result
MotorDriverInit()	1	1	~
SVDiag_MtrDrvInitActive_Cnt_M_lgc	0	0	-
SVDiag_MtrDrvInitStartTime_mS_M_u32p0	6653	6653 ± 1	-

Test Step Call Trace				
Actual Function	Count	Expected Function	Count	Result
Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_mS_u32	1	Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_mS_u32	1	~
Rte_Call_Sa_MtrDrvDiag_SystemTime_DtrmnElapsedTime_mS_u16	1	Rte_Call_Sa_MtrDrvDiag_SystemTime_DtrmnElapsedTime_mS_u16	1	•
ResetGateDrive	1	ResetGateDrive	1	~
SuspendAllInterrupts	1	SuspendAllInterrupts	1	✓
Rte_Call_Sa_MtrDrvDiag_FetDrvReset_OP_SET	1	Rte_Call_Sa_MtrDrvDiag_FetDrvReset_OP_SET	1	~
GateDrvWaitTime	1	GateDrvWaitTime	1	•
Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32	1	Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32	1	•
Rte_Call_Sa_MtrDrvDiag_SystemTime_DtrmnElapsedTime_uS_u16	1	Rte_Call_Sa_MtrDrvDiag_SystemTime_DtrmnElapsedTime_uS_u16	1	~
Rte_Call_Sa_MtrDrvDiag_FetDrvReset_OP_SET	1	Rte_Call_Sa_MtrDrvDiag_FetDrvReset_OP_SET	1	~
ResumeAllInterrupts	1	ResumeAllInterrupts	1	~

Test Step 2.4 (Repeat Count = 1)			✓
Name	Input Value		
Rte_Call_Sa_MtrDrvDiag_SystemTime_DtrmnElapsedTime_mS_u16(ElapsedTime)	target_Rte_Call_Sa_MtrDrvDiag_SystemTim	e_DtrmnElapsedTime_mS_u16_ElapsedTime	
Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_mS_u32(CurrentTime)	tgt_Rte_Call_Sa_MtrDrvDiag_SystemTime_0	GetSystemTime_mS_u32_Curr	
Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32(CurrentTime)	tgt_Rte_Call_Sa_MtrDrvDiag_SystemTime_0	GetSystemTime_uS_u32_Curr	
SVDiag_MtrDrvInitActive_Cnt_M_lgc	0		
SVDiag_MtrDrvInitStartTime_mS_M_u32p0	4294967295		
$target_Rte_Call_Sa_MtrDrvDiag_SystemTime_DtrmnElapsedTime_mS_u16_ElapsetLime_mSulfaces and the start of the$	755		
tgt_Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_mS_u32_Curr	83462		
tgt_Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32_Curr	231		
Name	Actual Value	Expected Value	Result
MotorDriverInit()	1	1	~
SVDiag_MtrDrvInitActive_Cnt_M_lgc	0	0	~
SVDiag_MtrDrvInitStartTime_mS_M_u32p0	83462	83462 ± 1	~



Test Step Call Trace ✓						
Actual Function	Count	Expected Function	Count	Result		
Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_mS_u32	1	Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_mS_u32	1	~		
Rte_Call_Sa_MtrDrvDiag_SystemTime_DtrmnElapsedTime_mS_u16	1	Rte_Call_Sa_MtrDrvDiag_SystemTime_DtrmnElapsedTime_mS_u16	1	~		
ResetGateDrive	1	ResetGateDrive	1	~		
SuspendAllInterrupts	1	SuspendAllInterrupts	1	•		
Rte_Call_Sa_MtrDrvDiag_FetDrvReset_OP_SET	1	Rte_Call_Sa_MtrDrvDiag_FetDrvReset_OP_SET	1	~		
GateDrvWaitTime	1	GateDrvWaitTime	1	•		
Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32	1	Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32	1	~		
Rte_Call_Sa_MtrDrvDiag_SystemTime_DtrmnElapsedTime_uS_u16	1	Rte_Call_Sa_MtrDrvDiag_SystemTime_DtrmnElapsedTime_uS_u16	1	•		
Rte_Call_Sa_MtrDrvDiag_FetDrvReset_OP_SET	1	Rte_Call_Sa_MtrDrvDiag_FetDrvReset_OP_SET	1	~		
ResumeAllInterrupts	1	ResumeAllInterrupts	1	~		

Test Step 2.5 (Repeat Count = 1)			✓
Name	Input Value		
Rte_Call_Sa_MtrDrvDiag_SystemTime_DtrmnElapsedTime_mS_u16(ElapsedTime)	target_Rte_Call_Sa_MtrDrvDiag_SystemTim	e_DtrmnElapsedTime_mS_u16_ElapsedTime	
Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_mS_u32(CurrentTime)	tgt_Rte_Call_Sa_MtrDrvDiag_SystemTime_0	GetSystemTime_mS_u32_Curr	
Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32(CurrentTime)	tgt_Rte_Call_Sa_MtrDrvDiag_SystemTime_0	GetSystemTime_uS_u32_Curr	
SVDiag_MtrDrvInitActive_Cnt_M_lgc	0		
SVDiag_MtrDrvInitStartTime_mS_M_u32p0	3125		
$target_Rte_Call_Sa_MtrDrvDiag_SystemTime_DtrmnElapsedTime_mS_u16_ElapsedTime_mSulfaces and the start of the$	235		
tgt_Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_mS_u32_Curr	6653		
tgt_Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32_Curr	562		
Name	Actual Value	Expected Value	Result
MotorDriverInit()	1	1	~
SVDiag_MtrDrvInitActive_Cnt_M_lgc	0	0	~
SVDiag_MtrDrvInitStartTime_mS_M_u32p0	6653	6653 ± 1	~

Test Step Call Trace					
Actual Function	Count	Expected Function	Count	Result	
Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_mS_u32	1	Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_mS_u32	1	~	
Rte_Call_Sa_MtrDrvDiag_SystemTime_DtrmnElapsedTime_mS_u16	1	Rte_Call_Sa_MtrDrvDiag_SystemTime_DtrmnElapsedTime_mS_u16	1	•	
ResetGateDrive	1	ResetGateDrive	1	~	
SuspendAllInterrupts	1	SuspendAllInterrupts	1	✓	
Rte_Call_Sa_MtrDrvDiag_FetDrvReset_OP_SET	1	Rte_Call_Sa_MtrDrvDiag_FetDrvReset_OP_SET	1	•	
GateDrvWaitTime	1	GateDrvWaitTime	1	•	
Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32	1	Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32	1	•	
Rte_Call_Sa_MtrDrvDiag_SystemTime_DtrmnElapsedTime_uS_u16	1	Rte_Call_Sa_MtrDrvDiag_SystemTime_DtrmnElapsedTime_uS_u16	1	•	
Rte_Call_Sa_MtrDrvDiag_FetDrvReset_OP_SET	1	Rte_Call_Sa_MtrDrvDiag_FetDrvReset_OP_SET	1	~	
ResumeAllInterrupts	1	ResumeAllInterrupts	1	~	

Test Step 2.6 (Repeat Count = 1)			✓
Name	Input Value		
Rte_Call_Sa_MtrDrvDiag_SystemTime_DtrmnElapsedTime_mS_u16(ElapsedTime	target_Rte_Call_Sa_MtrDrvDiag_SystemTin	ne_DtrmnElapsedTime_mS_u16_ElapsedTime	
Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_mS_u32(CurrentTime)	tgt_Rte_Call_Sa_MtrDrvDiag_SystemTime_	GetSystemTime_mS_u32_Curr	
Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32(CurrentTime)	tgt_Rte_Call_Sa_MtrDrvDiag_SystemTime_	GetSystemTime_uS_u32_Curr	
SVDiag_MtrDrvInitActive_Cnt_M_lgc	0		
SVDiag_MtrDrvInitStartTime_mS_M_u32p0	6653		
target_Rte_Call_Sa_MtrDrvDiag_SystemTime_DtrmnElapsedTime_mS_u16_Elaps	762		
tgt_Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_mS_u32_Curr	0		
tgt_Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32_Curr	3215		
Name	Actual Value	Expected Value	Result
MotorDriverInit()	1	1	~
SVDiag_MtrDrvInitActive_Cnt_M_lgc	Ō	0	~
SVDiag MtrDrvInitStartTime mS M u32p0	0	0 ± 1	~



Test Step Call Trace				
Actual Function	Count	Expected Function	Count	Result
Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_mS_u32	1	Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_mS_u32	1	~
Rte_Call_Sa_MtrDrvDiag_SystemTime_DtrmnElapsedTime_mS_u16	1	Rte_Call_Sa_MtrDrvDiag_SystemTime_DtrmnElapsedTime_mS_u16	1	✓
ResetGateDrive	1	ResetGateDrive	1	~
SuspendAllInterrupts	1	SuspendAllInterrupts	1	✓
Rte_Call_Sa_MtrDrvDiag_FetDrvReset_OP_SET	1	Rte_Call_Sa_MtrDrvDiag_FetDrvReset_OP_SET	1	~
GateDrvWaitTime	1	GateDrvWaitTime	1	✓
Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32	1	Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32	1	~
Rte_Call_Sa_MtrDrvDiag_SystemTime_DtrmnElapsedTime_uS_u16	1	Rte_Call_Sa_MtrDrvDiag_SystemTime_DtrmnElapsedTime_uS_u16	1	✓
Rte_Call_Sa_MtrDrvDiag_FetDrvReset_OP_SET	1	Rte_Call_Sa_MtrDrvDiag_FetDrvReset_OP_SET	1	~
ResumeAllInterrupts	1	ResumeAllInterrupts	1	~

Test Step 2.7 (Repeat Count = 1)			
Name	Input Value		
Rte_Call_Sa_MtrDrvDiag_SystemTime_DtrmnElapsedTime_mS_u16(ElapsedTime)	target_Rte_Call_Sa_MtrDrvDiag_SystemTim	e_DtrmnElapsedTime_mS_u16_ElapsedTime	
Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_mS_u32(CurrentTime)	tgt_Rte_Call_Sa_MtrDrvDiag_SystemTime_0	GetSystemTime_mS_u32_Curr	
Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32(CurrentTime)	tgt_Rte_Call_Sa_MtrDrvDiag_SystemTime_0	GetSystemTime_uS_u32_Curr	
SVDiag_MtrDrvInitActive_Cnt_M_lgc	0		
SVDiag_MtrDrvInitStartTime_mS_M_u32p0	83462		
target_Rte_Call_Sa_MtrDrvDiag_SystemTime_DtrmnElapsedTime_mS_u16_Elapse	107		
tgt_Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_mS_u32_Curr	4294967295		
tgt_Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32_Curr	3961		
Name	Actual Value	Expected Value	Result
MotorDriverInit()	1	1	~
SVDiag_MtrDrvInitActive_Cnt_M_lgc	0	0	~
SVDiag_MtrDrvInitStartTime_mS_M_u32p0	4294967295	4294967295 ± 1	~

Test Step Call Trace					
Actual Function	Count	Expected Function	Count	Result	
Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_mS_u32	1	Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_mS_u32	1	~	
Rte_Call_Sa_MtrDrvDiag_SystemTime_DtrmnElapsedTime_mS_u16	1	Rte_Call_Sa_MtrDrvDiag_SystemTime_DtrmnElapsedTime_mS_u16	1	•	
ResetGateDrive	1	ResetGateDrive	1	•	
SuspendAllInterrupts	1	SuspendAllInterrupts	1	•	
Rte_Call_Sa_MtrDrvDiag_FetDrvReset_OP_SET	1	Rte_Call_Sa_MtrDrvDiag_FetDrvReset_OP_SET	1	•	
GateDrvWaitTime	1	GateDrvWaitTime	1	✓	
Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32	1	Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32	1	•	
Rte_Call_Sa_MtrDrvDiag_SystemTime_DtrmnElapsedTime_uS_u16	1	Rte_Call_Sa_MtrDrvDiag_SystemTime_DtrmnElapsedTime_uS_u16	1	•	
Rte_Call_Sa_MtrDrvDiag_FetDrvReset_OP_SET	1	Rte_Call_Sa_MtrDrvDiag_FetDrvReset_OP_SET	1	~	
ResumeAllInterrupts	1	ResumeAllInterrupts	1	•	

Test Step 2.8 (Repeat Count = 1)			✓
Name	Input Value		
Rte_Call_Sa_MtrDrvDiag_SystemTime_DtrmnElapsedTime_mS_u16(ElapsedTime) target_Rte_Call_Sa_MtrDrvDiag_SystemTin	ne_DtrmnElapsedTime_mS_u16_ElapsedTime	
Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_mS_u32(CurrentTime)	tgt_Rte_Call_Sa_MtrDrvDiag_SystemTime_	GetSystemTime_mS_u32_Curr	
Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32(CurrentTime)	tgt_Rte_Call_Sa_MtrDrvDiag_SystemTime_	GetSystemTime_uS_u32_Curr	
SVDiag_MtrDrvInitActive_Cnt_M_lgc	0		
SVDiag_MtrDrvInitStartTime_mS_M_u32p0	1233		
target_Rte_Call_Sa_MtrDrvDiag_SystemTime_DtrmnElapsedTime_mS_u16_Elaps	€ 455		
tgt_Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_mS_u32_Curr	66547		
tgt_Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32_Curr	4707		
Name	Actual Value	Expected Value	Result
MotorDriverInit()	1	1	~
SVDiag_MtrDrvInitActive_Cnt_M_lgc	0	0	~
SVDiag_MtrDrvInitStartTime_mS_M_u32p0	66547	66547 ± 1	~



Test Step Call Trace ✓					
Actual Function	Count	Expected Function	Count	Result	
Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_mS_u32	1	Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_mS_u32	1	~	
Rte_Call_Sa_MtrDrvDiag_SystemTime_DtrmnElapsedTime_mS_u16	1	Rte_Call_Sa_MtrDrvDiag_SystemTime_DtrmnElapsedTime_mS_u16	1	•	
ResetGateDrive	1	ResetGateDrive	1	-	
SuspendAllInterrupts	1	SuspendAllInterrupts	1	~	
Rte_Call_Sa_MtrDrvDiag_FetDrvReset_OP_SET	1	Rte_Call_Sa_MtrDrvDiag_FetDrvReset_OP_SET	1	~	
GateDrvWaitTime	1	GateDrvWaitTime	1	~	
Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32	1	Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32	1	~	
Rte_Call_Sa_MtrDrvDiag_SystemTime_DtrmnElapsedTime_uS_u16	1	Rte_Call_Sa_MtrDrvDiag_SystemTime_DtrmnElapsedTime_uS_u16	1	~	
Rte_Call_Sa_MtrDrvDiag_FetDrvReset_OP_SET	1	Rte_Call_Sa_MtrDrvDiag_FetDrvReset_OP_SET	1	~	
ResumeAllInterrupts	1	ResumeAllInterrupts	1	~	

Test Step 2.9 (Repeat Count = 1)			V
Name	Input Value		
Rte_Call_Sa_MtrDrvDiag_SystemTime_DtrmnElapsedTime_mS_u16(ElapsedTime)	target_Rte_Call_Sa_MtrDrvDiag_SystemTime	e_DtrmnElapsedTime_mS_u16_ElapsedTime	
Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_mS_u32(CurrentTime)	tgt_Rte_Call_Sa_MtrDrvDiag_SystemTime_C	GetSystemTime_mS_u32_Curr	
Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32(CurrentTime)	tgt_Rte_Call_Sa_MtrDrvDiag_SystemTime_0	GetSystemTime_uS_u32_Curr	
SVDiag_MtrDrvInitActive_Cnt_M_lgc	1		
SVDiag_MtrDrvInitStartTime_mS_M_u32p0	832		
$target_Rte_Call_Sa_MtrDrvDiag_SystemTime_DtrmnElapsedTime_mS_u16_ElapsetLime_msunfaces and the start of the$	0		
tgt_Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_mS_u32_Curr	562		
tgt_Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32_Curr	5453		
Name	Actual Value	Expected Value	Result
MotorDriverInit()	0	0	~
SVDiag_MtrDrvInitActive_Cnt_M_lgc	1	1	~
SVDiag_MtrDrvInitStartTime_mS_M_u32p0	832	832 ± 1	~

Test Step Call Trace				✓
Actual Function	Count	Expected Function	Count	Result
Rte Call Sa MtrDrvDiag SystemTime DtrmnElapsedTime mS u16	1	Rte Call Sa MtrDrvDiag SystemTime DtrmnElapsedTime mS u16	1	•

Test Step 2.10 (Repeat Count = 1)			✓
Name	Input Value		
Rte_Call_Sa_MtrDrvDiag_SystemTime_DtrmnElapsedTime_mS_u16(ElapsedTime	target_Rte_Call_Sa_MtrDrvDiag_SystemTim	ne_DtrmnElapsedTime_mS_u16_ElapsedTime	
Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_mS_u32(CurrentTime)	tgt_Rte_Call_Sa_MtrDrvDiag_SystemTime_	GetSystemTime_mS_u32_Curr	
Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32(CurrentTime)	tgt_Rte_Call_Sa_MtrDrvDiag_SystemTime_	GetSystemTime_uS_u32_Curr	
SVDiag_MtrDrvInitActive_Cnt_M_lgc	0		
SVDiag_MtrDrvInitStartTime_mS_M_u32p0	4234		
target_Rte_Call_Sa_MtrDrvDiag_SystemTime_DtrmnElapsedTime_mS_u16_Elapse	65535		
tgt_Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_mS_u32_Curr	231		
tgt_Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32_Curr	6199		
Name	Actual Value	Expected Value	Result
MotorDriverInit()	1	1	~
SVDiag_MtrDrvInitActive_Cnt_M_lgc	0	0	•
SVDiag_MtrDrvInitStartTime_mS_M_u32p0	231	231 ± 1	~

Test Step Call Trace				✓
Actual Function	Count	Expected Function	Count	Result
Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_mS_u32	1	Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_mS_u32	1	~
Rte_Call_Sa_MtrDrvDiag_SystemTime_DtrmnElapsedTime_mS_u16	1	Rte_Call_Sa_MtrDrvDiag_SystemTime_DtrmnElapsedTime_mS_u16	1	•
ResetGateDrive	1	ResetGateDrive	1	•
SuspendAllInterrupts	1	SuspendAllInterrupts	1	•
Rte_Call_Sa_MtrDrvDiag_FetDrvReset_OP_SET	1	Rte_Call_Sa_MtrDrvDiag_FetDrvReset_OP_SET	1	~
GateDrvWaitTime	1	GateDrvWaitTime	1	•
Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32	1	Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32	1	~
Rte_Call_Sa_MtrDrvDiag_SystemTime_DtrmnElapsedTime_uS_u16	1	Rte_Call_Sa_MtrDrvDiag_SystemTime_DtrmnElapsedTime_uS_u16	1	•
Rte_Call_Sa_MtrDrvDiag_FetDrvReset_OP_SET	1	Rte_Call_Sa_MtrDrvDiag_FetDrvReset_OP_SET	1	~
ResumeAllInterrupts	1	ResumeAllInterrupts	1	✓

Test Step 2.11 (Repeat Count = 1)		V
Name	Input Value	
Rte_Call_Sa_MtrDrvDiag_SystemTime_DtrmnElapsedTime_mS_u16(ElapsedTime)	target_Rte_Call_Sa_MtrDrvDiag_SystemTime_DtrmnElapsedTime_mS_u16_ElapsedTime	

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Name	Input Value		
Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_mS_u32(CurrentTime)	tgt_Rte_Call_Sa_MtrDrvDiag_SystemTime_	GetSystemTime_mS_u32_Curr	
Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32(CurrentTime)	tgt_Rte_Call_Sa_MtrDrvDiag_SystemTime_	GetSystemTime_uS_u32_Curr	
SVDiag_MtrDrvInitActive_Cnt_M_lgc	1		
SVDiag_MtrDrvInitStartTime_mS_M_u32p0	344		
target_Rte_Call_Sa_MtrDrvDiag_SystemTime_DtrmnElapsedTime_mS_u16_Elapse	20		
tgt_Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_mS_u32_Curr	1233		
tgt_Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32_Curr	3961		
Name	Actual Value	Expected Value	Result
MotorDriverInit()	1	1	~
SVDiag_MtrDrvInitActive_Cnt_M_lgc	0	0	~
SVDiag_MtrDrvInitStartTime_mS_M_u32p0	344	344 ± 1	~

Test Step Call Trace				V
Actual Function	Count	Expected Function	Count	Result
Rte_Call_Sa_MtrDrvDiag_SystemTime_DtrmnElapsedTime_mS_u16	1	Rte_Call_Sa_MtrDrvDiag_SystemTime_DtrmnElapsedTime_mS_u16	1	~
ResetGateDrive	1	ResetGateDrive	1	~
SuspendAllInterrupts	1	SuspendAllInterrupts	1	~
Rte_Call_Sa_MtrDrvDiag_FetDrvReset_OP_SET	1	Rte_Call_Sa_MtrDrvDiag_FetDrvReset_OP_SET	1	~
GateDrvWaitTime	1	GateDrvWaitTime	1	~
Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32	1	Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32	1	✓
Rte_Call_Sa_MtrDrvDiag_SystemTime_DtrmnElapsedTime_uS_u16	1	Rte_Call_Sa_MtrDrvDiag_SystemTime_DtrmnElapsedTime_uS_u16	1	~
Rte_Call_Sa_MtrDrvDiag_FetDrvReset_OP_SET	1	Rte_Call_Sa_MtrDrvDiag_FetDrvReset_OP_SET	1	~
ResumeAllInterrupts	1	ResumeAllInterrupts	1	~

Test Step 2.12 (Repeat Count = 1)			
Name	Input Value		
Rte_Call_Sa_MtrDrvDiag_SystemTime_DtrmnElapsedTime_mS_u16(ElapsedTime)	target_Rte_Call_Sa_MtrDrvDiag_SystemTim	e_DtrmnElapsedTime_mS_u16_ElapsedTime	
Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_mS_u32(CurrentTime)	tgt_Rte_Call_Sa_MtrDrvDiag_SystemTime_0	GetSystemTime_mS_u32_Curr	
Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32(CurrentTime)	tgt_Rte_Call_Sa_MtrDrvDiag_SystemTime_0	GetSystemTime_uS_u32_Curr	
SVDiag_MtrDrvInitActive_Cnt_M_lgc	0		
SVDiag_MtrDrvInitStartTime_mS_M_u32p0	0		
target_Rte_Call_Sa_MtrDrvDiag_SystemTime_DtrmnElapsedTime_mS_u16_Elapse	0		
tgt_Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_mS_u32_Curr	0		
tgt_Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32_Curr	0		
Name	Actual Value	Expected Value	Result
MotorDriverInit()	0	0	~
SVDiag_MtrDrvInitActive_Cnt_M_lgc	1	1	~
SVDiag_MtrDrvInitStartTime_mS_M_u32p0	0	0 ± 1	~

Test Step Call Trace				✓
Actual Function	Count	Expected Function	Count	Result
Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_mS_u32	1	Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_mS_u32	1	~
Rte_Call_Sa_MtrDrvDiag_SystemTime_DtrmnElapsedTime_mS_u16	1	Rte_Call_Sa_MtrDrvDiag_SystemTime_DtrmnElapsedTime_mS_u16	1	✓

Test Step 2.13 (Repeat Count = 1)			✓
Name	Input Value		
Rte_Call_Sa_MtrDrvDiag_SystemTime_DtrmnElapsedTime_mS_u16(ElapsedTime)	target_Rte_Call_Sa_MtrDrvDiag_SystemTim	ne_DtrmnElapsedTime_mS_u16_ElapsedTime	
Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_mS_u32(CurrentTime)	tgt_Rte_Call_Sa_MtrDrvDiag_SystemTime_0	GetSystemTime_mS_u32_Curr	
Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32(CurrentTime)	tgt_Rte_Call_Sa_MtrDrvDiag_SystemTime_0	GetSystemTime_uS_u32_Curr	
SVDiag_MtrDrvInitActive_Cnt_M_lgc	1		
SVDiag_MtrDrvInitStartTime_mS_M_u32p0	4294967295		
$target_Rte_Call_Sa_MtrDrvDiag_SystemTime_DtrmnElapsedTime_mS_u16_Ela$	65535		
tgt_Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_mS_u32_Curr	4294967295		
tgt_Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32_Curr	4294967295		
Name	Actual Value	Expected Value	Result
MotorDriverInit()	1	1	~
SVDiag_MtrDrvInitActive_Cnt_M_lgc	0	0	~
SVDiag_MtrDrvInitStartTime_mS_M_u32p0	4294967295	4294967295 ± 1	~



Test Step Call Trace				
Actual Function	Count	Expected Function	Count	Result
Rte_Call_Sa_MtrDrvDiag_SystemTime_DtrmnElapsedTime_mS_u16	1	Rte_Call_Sa_MtrDrvDiag_SystemTime_DtrmnElapsedTime_mS_u16	1	~
ResetGateDrive	1	ResetGateDrive	1	~
SuspendAllInterrupts	1	SuspendAllInterrupts	1	•
Rte_Call_Sa_MtrDrvDiag_FetDrvReset_OP_SET	1	Rte_Call_Sa_MtrDrvDiag_FetDrvReset_OP_SET	1	•
GateDrvWaitTime	1	GateDrvWaitTime	1	~
Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32	1	Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32	1	•
Rte_Call_Sa_MtrDrvDiag_SystemTime_DtrmnElapsedTime_uS_u16	1	Rte_Call_Sa_MtrDrvDiag_SystemTime_DtrmnElapsedTime_uS_u16	1	•
Rte_Call_Sa_MtrDrvDiag_FetDrvReset_OP_SET	1	Rte_Call_Sa_MtrDrvDiag_FetDrvReset_OP_SET	1	•
ResumeAllInterrupts	1	ResumeAllInterrupts	1	•

Test Case 3: Path Test Performance Metrics (With "None" Instrumentation and WithPS Environment) CPU Cycles: Specification

TC3.1 504 Cycles TC3.2 251 Cycles TC3.3 251 Cycles

Description Vector Description

 $\label{thm:continuous} TS3.1" If (False = SVDiag_MtrDrvInitActive_Cnt_M_lgc)) => True \\ If (ElapsedTime_mS_T_u16p0 > k_GateDrvInitDwellTime_mS_u16p0) => True" \\ TS3.2" If (False = SVDiag_MtrDrvInitActive_Cnt_M_lgc) => False \\ TS3.2" If (False = SVDiag_MtrDrvInitActive_Cnt_M_lgc) => False$

 $TS3.3If \ (ElapsedTime_mS_T_u16p0 > k_GateDrvInitDwellTime_mS_u16p0) => False$

Test Step 3.1 (Repeat Count = 1)			V
Name	Input Value		
Rte_Call_Sa_MtrDrvDiag_SystemTime_DtrmnElapsedTime_mS_u16(ElapsedTime	target_Rte_Call_Sa_MtrDrvDiag_SystemTim	e_DtrmnElapsedTime_mS_u16_ElapsedTime	
Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_mS_u32(CurrentTime)	tgt_Rte_Call_Sa_MtrDrvDiag_SystemTime_0	GetSystemTime_mS_u32_Curr	
Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32(CurrentTime)	tgt_Rte_Call_Sa_MtrDrvDiag_SystemTime_0	GetSystemTime_uS_u32_Curr	
SVDiag_MtrDrvInitActive_Cnt_M_lgc	0		
SVDiag_MtrDrvInitStartTime_mS_M_u32p0	3125		
target_Rte_Call_Sa_MtrDrvDiag_SystemTime_DtrmnElapsedTime_mS_u16_Elapse	235		
tgt_Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_mS_u32_Curr	6653		
tgt_Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32_Curr	562		
Name	Actual Value	Expected Value	Result
MotorDriverInit()	1	1	~
SVDiag_MtrDrvInitActive_Cnt_M_lgc	0	0	~
SVDiag_MtrDrvInitStartTime_mS_M_u32p0	6653	6653 ± 1	~

Test Step Call Trace				✓
Actual Function	Count	Expected Function	Count	Result
Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_mS_u32	1	Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_mS_u32	1	~
Rte_Call_Sa_MtrDrvDiag_SystemTime_DtrmnElapsedTime_mS_u16	1	Rte_Call_Sa_MtrDrvDiag_SystemTime_DtrmnElapsedTime_mS_u16	1	✓
ResetGateDrive	1	ResetGateDrive	1	~
SuspendAllInterrupts	1	SuspendAllInterrupts	1	✓
Rte_Call_Sa_MtrDrvDiag_FetDrvReset_OP_SET	1	Rte_Call_Sa_MtrDrvDiag_FetDrvReset_OP_SET	1	~
GateDrvWaitTime	1	GateDrvWaitTime	1	~
Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32	1	Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32	1	~
Rte_Call_Sa_MtrDrvDiag_SystemTime_DtrmnElapsedTime_uS_u16	1	Rte_Call_Sa_MtrDrvDiag_SystemTime_DtrmnElapsedTime_uS_u16	1	•
Rte_Call_Sa_MtrDrvDiag_FetDrvReset_OP_SET	1	Rte_Call_Sa_MtrDrvDiag_FetDrvReset_OP_SET	1	~
ResumeAllInterrupts	1	ResumeAllInterrupts	1	~

Name	Input Value		
Rte_Call_Sa_MtrDrvDiag_SystemTime_DtrmnElapsedTime_mS_u16(ElapsedTime)	target_Rte_Call_Sa_MtrDrvDiag_SystemTime	e_DtrmnElapsedTime_mS_u16_ElapsedTime	
Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_mS_u32(CurrentTime)	tgt_Rte_Call_Sa_MtrDrvDiag_SystemTime_0	GetSystemTime_mS_u32_Curr	
Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32(CurrentTime)	me) tgt_Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32_Curr		
SVDiag_MtrDrvInitActive_Cnt_M_lgc	1		
SVDiag_MtrDrvInitStartTime_mS_M_u32p0	747		
target Rte Call Sa MtrDrvDiag SystemTime DtrmnElapsedTime mS u16 Elapse 755			
gt_Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_mS_u32_Curr 83462			
gt_Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32_Curr 231			
Name	Actual Value	Expected Value	Result
MotorDriverInit()	1	1	-

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MotorDriverInit

Name	Actual Value	Expected Value	Result
SVDiag_MtrDrvInitActive_Cnt_M_lgc	0	0	•
SVDiag_MtrDrvInitStartTime_mS_M_u32p0	747	747 ± 1	~

est Step Call Trace				
Actual Function	Count	Expected Function	Count	Result
Rte_Call_Sa_MtrDrvDiag_SystemTime_DtrmnElapsedTime_mS_u16	1	Rte_Call_Sa_MtrDrvDiag_SystemTime_DtrmnElapsedTime_mS_u16	1	~
ResetGateDrive	1	ResetGateDrive	1	~
SuspendAllInterrupts	1	SuspendAllInterrupts	1	~
Rte_Call_Sa_MtrDrvDiag_FetDrvReset_OP_SET	1	Rte_Call_Sa_MtrDrvDiag_FetDrvReset_OP_SET	1	~
GateDrvWaitTime	1	GateDrvWaitTime	1	~
Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32	1	Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32	1	•
Rte_Call_Sa_MtrDrvDiag_SystemTime_DtrmnElapsedTime_uS_u16	1	Rte_Call_Sa_MtrDrvDiag_SystemTime_DtrmnElapsedTime_uS_u16	1	-
Rte_Call_Sa_MtrDrvDiag_FetDrvReset_OP_SET	1	Rte_Call_Sa_MtrDrvDiag_FetDrvReset_OP_SET	1	~
ResumeAllInterrupts	1	ResumeAllInterrupts	1	~

Test Step 3.3 (Repeat Count = 1)		✓		
Name	Input Value			
Rte_Call_Sa_MtrDrvDiag_SystemTime_DtrmnElapsedTime_mS_u16(ElapsedTime)	target_Rte_Call_Sa_MtrDrvDiag_SystemTim	e_DtrmnElapsedTime_mS_u16_ElapsedTime		
Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_mS_u32(CurrentTime)	tgt_Rte_Call_Sa_MtrDrvDiag_SystemTime_0	tgt_Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_mS_u32_Curr		
Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32(CurrentTime)	tgt_Rte_Call_Sa_MtrDrvDiag_SystemTime_0	GetSystemTime_uS_u32_Curr		
SVDiag_MtrDrvInitActive_Cnt_M_lgc	SVDiag_MtrDrvInitActive_Cnt_M_lgc 1			
SVDiag_MtrDrvInitStartTime_mS_M_u32p0	SVDiag_MtrDrvInitStartTime_mS_M_u32p0 832			
target_Rte_Call_Sa_MtrDrvDiag_SystemTime_DtrmnElapsedTime_mS_u16_Elapse	0	0		
tgt_Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_mS_u32_Curr	562			
tgt_Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32_Curr	5453			
Name	Actual Value	Expected Value	Result	
MotorDriverInit()	0	0	~	
SVDiag_MtrDrvInitActive_Cnt_M_lgc	1	1	~	
SVDiag_MtrDrvInitStartTime_mS_M_u32p0	832	832 ± 1	~	

Test Step Call Trace				V
Actual Function	Count	Expected Function	Count	Result
Rte_Call_Sa_MtrDrvDiag_SystemTime_DtrmnElapsedTime_mS_u16	1	Rte_Call_Sa_MtrDrvDiag_SystemTime_DtrmnElapsedTime_mS_u16	1	~

GateDrvWaitTime

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Project	MtrDrvDiag
Module	MtrDrvDiag
Test Object	GateDrvWaitTime

Instrumentation: Test Object Only

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

Statistics

Total Testcases	3	
Successful	3	~
Failed	0	
Not Executed	0	

Module Properties

Project Root Directory	D:\Synergy_Work_Area\CBD_MtrDrvDiag
Configuration File	D:\Synergy_Work_Area\CBD_MtrDrvDiag\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)\MtrDrvDiag\src\Sa_MtrDrvDiag.c
Compiler Options	-Dconst= -D_DATA_ACCESS= -DSKIP_MAGIC_NUMBER= -Dstatic= -I\$(PROJECTROOT)\NxtrLib\include -I\$(PROJECTROOT)\StdDef \include -I\$(PROJECTROOT)\MtrDrvDiag\utp\contract\Sa_MtrDrvDiag -I\$(PROJECTROOT)\MtrDrvDiag\utp\contract -I\$(Compiler Install Path)\include

Comments/Description/Spe	ecification
Name	Text



Module 'MtrDrvDiag'

Name of Tester: Spoorti Mali

Code File(s) Under Test: Sa_MtrDrvDiag.c Code File(s) Version: 22 Module Design Document:Motor_Driver_Diagnostics_MDD.doc

Module Design Document:Motor_Driver_Diagnostics_MDD.doc
Module Design Document Version: 11
Data Dictionary Version: 11
Unit Test Plan Version: 3
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 1.31
Total FLASH Used (Bytes): 1334
Total RAM Used (Bytes): 17
Total CALS Used (Bytes): 50
Special Test Requirements:
Test Date:01-29-2015
Comments:

Comments:

Note 1:Inline function defined in ""Gloabalmacro.h""

is not unit Tested.

Note 2:In ""GateDrvWaitTime"" function extra code is added in VBA, to exit the while loop and to replicate the usercode functionality of TESSY.

Note 3:In ""ReadMtrDrvFltData""function,""DataHigh_Cnt_T_lgc"" temporary variable and ""Rte_Call_SystemTime_DtrmnElapsedTime_uS_u16"" stub are used as ""DataHigh_Cnt_T_lgc_Array[10]"" and ""Rte_Call_FetFlt1Data_OP_GET_Array[11]"" to replicate the usercode functionality of TESSY.

Note 4:In functions ""ProcGateDriveFlt"" , ""ProcBridgeFlt"" , ""MtrDrvDiag_Per1"", ""ReadMtrDrvFltData"" functions, ""Rte_Call_SystemTime_DtrmnElapsedTime_uS_u16""is not tested with its Min value, to avoid the infinite loop.

Note 5:""CBD_Sandbox_dbg.map"" file is embedded for reference."

Attributes		
Name	Value	
Compiler Install Path	\$(ProgramFiles)\Texas Instruments\ccsv4\tools\compiler\tms470_4.9.5	
Float Precision	9	
InitObjDir	\$(PROJECTROOT)\UnitTestEnv\static_build_files\obj	
InitSrcDir	\$(PROJECTROOT)\UnitTestEnv\static_build_files\src	
Linker File	\$(PROJECTROOT)\UnitTestEnv\static_build_files\sys_link.cmd	
Makefile Template	\$(PROJECTROOT)\UnitTestEnv\config\Nexteer_ts_make_ude_ti_tms570_ps.tpl	
Target Install Path	\$(ProgramFiles)\pls	
Time Unit	Cycles	
Timer Enabled	false	
Timer Prescale	0	
Timer Resolution		
UDE Config File	\$(PROJECTROOT)\UnitTestEnv\config\TMS570_UDE_12PIN_JTAG.cfg	
Workspace File	D:\Synergy_Work_Area\CBD_MtrDrvDiag\UnitTestEnv\config\UDE_TMS570_DEBUG.WSP	



Test Case 1: Metrics Test

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

TC1.1 511 Cycles TC1.2 791 Cycles

Description Vector Description

TS1.1"Shortest Execution Path:
(WaitElapsedTime_uS_T_u16p0 < TimeToWait_uS_T_u16p0)=False"
TS1.2"Longest Execution Path:
(WaitElapsedTime_uS_T_u16p0 < TimeToWait_uS_T_u16p0)=True"

Test Step 1.1 (Repeat Count = 1)	✓
Name	Input Value
Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32(CurrentTime)	tgt_Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32_Curr
TimeToWait_uS_T_u16p0	0
tgt_Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32_Curr	1000

Test Step Call Trace				V
Actual Function	Count	Expected Function	Count	Result
Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32	1	Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32	1	~
Rte_Call_Sa_MtrDrvDiag_SystemTime_DtrmnElapsedTime_uS_u16	1	Rte_Call_Sa_MtrDrvDiag_SystemTime_DtrmnElapsedTime_uS_u16	1	•

Test Step 1.2 (Repeat Count = 1)	✓
Name	Input Value
Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32(CurrentTime)	tgt_Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32_Curr
TimeToWait_uS_T_u16p0	10000
tgt Rte Call Sa MtrDrvDiag SystemTime GetSystemTime uS u32 Curr	50000000

Test Step Call Trace				✓
Actual Function	Count	Expected Function	Count	Result
Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32	1	Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32	1	~
Rte_Call_Sa_MtrDrvDiag_SystemTime_DtrmnElapsedTime_uS_u16	2	Rte_Call_Sa_MtrDrvDiag_SystemTime_DtrmnElapsedTime_uS_u16	2	-



Test Case 2: Boundary Test

Specification

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

TC2.1 520 Cycles TC2.2 520 Cycles TC2.3 519 Cycles TC2.4 520 Cycles TC2.4 520 Cycles TC2.5 520 Cycles TC2.6 519 Cycles TC2.7 519 Cycles TC2.8 519 Cycles TC2.9 801 Cycles TC2.10 519 Cycles

Vector Description Description

TS2.1TimeToWait_uS_T_u16p0=Min TS2.2TimeToWait_uS_T_u16p0=Max TS2.3TimeToWait_uS_T_u16p0=Pos

TS2.4Rte_Call_SystemTime_DtrmnElapsedTime_uS_u16=Min TS2.5Rte_Call_SystemTime_DtrmnElapsedTime_uS_u16=Max TS2.6Rte_Call_SystemTime_DtrmnElapsedTime_uS_u16=Pos TS2.7Rte_Call_SystemTime_GetSystemTime_uS_u32=Min TS2.8Rte_Call_SystemTime_GetSystemTime_uS_u32=Max TS2.9Rte_Call_SystemTime_GetSystemTime_uS_u32=Pos TS2.10All_Min

TS2.10All Min TS2.11All Max

Test Step 2.1 (Repeat Count = 1)	V
Name	Input Value
Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32(CurrentTime)	tgt_Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32_Curr
TimeToWait_uS_T_u16p0	0
tgt Rte Call Sa MtrDrvDiag SystemTime GetSystemTime uS u32 Curr	1000

Test Step Call Trace				✓
Actual Function	Count	Expected Function	Count	Result
Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32	1	Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32	1	~
Rte_Call_Sa_MtrDrvDiag_SystemTime_DtrmnElapsedTime_uS_u16	1	Rte_Call_Sa_MtrDrvDiag_SystemTime_DtrmnElapsedTime_uS_u16	1	✓

Test Step 2.2 (Repeat Count = 1)	✓
Name	Input Value
Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32(CurrentTime)	tgt_Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32_Curr
TimeToWait_uS_T_u16p0	65535
tgt Rte Call Sa MtrDrvDiag SystemTime GetSystemTime uS u32 Curr	70000

Test Step Call Trace				
Actual Function	Count	Expected Function	Count	Result
Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32	1	Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32	1	~
Rte_Call_Sa_MtrDrvDiag_SystemTime_DtrmnElapsedTime_uS_u16	1	Rte_Call_Sa_MtrDrvDiag_SystemTime_DtrmnElapsedTime_uS_u16	1	✓

Test Step 2.3 (Repeat Count = 1)	
Name	Input Value
Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32(CurrentTime)	tgt_Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32_Curr
TimeToWait_uS_T_u16p0	100
tgt_Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32_Curr	2000

Test Step Call Trace			✓	
Actual Function	Count	Expected Function	Count	Result
Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32	1	Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32	1	~
Rte_Call_Sa_MtrDrvDiag_SystemTime_DtrmnElapsedTime_uS_u16	1	Rte_Call_Sa_MtrDrvDiag_SystemTime_DtrmnElapsedTime_uS_u16	1	•





Test Step 2.4 (Repeat Count = 1)	✓
Name	Input Value
Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32(CurrentTime)	tgt_Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32_Curr
TimeToWait_uS_T_u16p0	0
tgt_Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32_Curr	3000

Test Step Call Trace				V
Actual Function	Count	Expected Function	Count	Result
Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32	1	Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32	1	~
Rte_Call_Sa_MtrDrvDiag_SystemTime_DtrmnElapsedTime_uS_u16	1	Rte_Call_Sa_MtrDrvDiag_SystemTime_DtrmnElapsedTime_uS_u16	1	~

Test Step 2.5 (Repeat Count = 1)	
Name	Input Value
Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32(CurrentTime)	tgt_Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32_Curr
TimeToWait_uS_T_u16p0	300
tgt_Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32_Curr	4000

Test Step Call Trace					
Actual Function	Count	Expected Function	Count	Result	
Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32	1	Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32	1	~	
Rte_Call_Sa_MtrDrvDiag_SystemTime_DtrmnElapsedTime_uS_u16	1	Rte_Call_Sa_MtrDrvDiag_SystemTime_DtrmnElapsedTime_uS_u16	1	~	

Test Step 2.6 (Repeat Count = 1)	✓
Name	Input Value
Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32(CurrentTime)	tgt_Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32_Curr
TimeToWait_uS_T_u16p0	400
tgt_Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32_Curr	5000

Test Step Call Trace ✓					
Actual Function	Count	Expected Function	Count	Result	
Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32	1	Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32	1	~	
Rte Call Sa MtrDrvDiag SystemTime DtrmnElapsedTime uS u16	1	Rte Call Sa MtrDrvDiag SystemTime DtrmnElapsedTime uS u16	1	✓	

Test Step 2.7 (Repeat Count = 1)	✓
Name	Input Value
Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32(CurrentTime)	tgt_Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32_Curr
TimeToWait_uS_T_u16p0	500
tgt_Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32_Curr	0

Test Step Call Trace				
Actual Function	Count	Expected Function	Count	Result
Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32	1	Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32	1	~
Rte_Call_Sa_MtrDrvDiag_SystemTime_DtrmnElapsedTime_uS_u16	1	Rte_Call_Sa_MtrDrvDiag_SystemTime_DtrmnElapsedTime_uS_u16	1	•

Test Step 2.8 (Repeat Count = 1)	✓
Name	Input Value
Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32(CurrentTime)	tgt_Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32_Curr
TimeToWait_uS_T_u16p0	0
tgt_Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32_Curr	4294967295

Test Step Call Trace				
Actual Function	Count	Expected Function	Count	Result
Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32	1	Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32	1	~
Rte_Call_Sa_MtrDrvDiag_SystemTime_DtrmnElapsedTime_uS_u16	1	Rte_Call_Sa_MtrDrvDiag_SystemTime_DtrmnElapsedTime_uS_u16	1	✓



Test Step 2.9 (Repeat Count = 1)	✓
Name	Input Value
Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32(CurrentTime)	tgt_Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32_Curr
TimeToWait_uS_T_u16p0	10000
tgt_Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32_Curr	50000000

Test Step Call Trace				✓
Actual Function	Count	Expected Function	Count	Result
Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32	1	Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32	1	~
Rte_Call_Sa_MtrDrvDiag_SystemTime_DtrmnElapsedTime_uS_u16	2	Rte_Call_Sa_MtrDrvDiag_SystemTime_DtrmnElapsedTime_uS_u16	2	~

Test Step 2.10 (Repeat Count = 1)	✓
Name	Input Value
Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32(CurrentTime)	tgt_Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32_Curr
TimeToWait_uS_T_u16p0	0
tgt_Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32_Curr	0

Test Step Call Trace				V
Actual Function	Count	Expected Function	Count	Result
Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32	1	Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32	1	~
Rte_Call_Sa_MtrDrvDiag_SystemTime_DtrmnElapsedTime_uS_u16	1	Rte_Call_Sa_MtrDrvDiag_SystemTime_DtrmnElapsedTime_uS_u16	1	•

Test Step 2.11 (Repeat Count = 1)	
Name	Input Value
Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32(CurrentTime)	tgt_Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32_Curr
TimeToWait_uS_T_u16p0	65535
tgt_Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32_Curr	4294967295

Test Step Call Trace			V	
Actual Function	Count	Expected Function	Count	Result
Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32	1	Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32	1	~
Rte_Call_Sa_MtrDrvDiag_SystemTime_DtrmnElapsedTime_uS_u16	1	Rte_Call_Sa_MtrDrvDiag_SystemTime_DtrmnElapsedTime_uS_u16	1	✓

Test Case 3: Path Test Specification Performance Metrics (With "None" Instrumentation and WithPS Environment) CPU Cycles:

TC3.1 516 Cycles TC3.2 801 Cycles

Description Vector Description

 $\label{thm:continuous} TS3.1 (WaitElapsedTime_uS_T_u16p0 < TimeToWait_uS_T_u16p0) => False \\ TS3.2 (WaitElapsedTime_uS_T_u16p0 < TimeToWait_uS_T_u16p0) => True \\$

Test Step 3.1 (Repeat Count = 1)	
Name	Input Value
Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32(CurrentTime)	tgt_Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32_Curr
TimeToWait_uS_T_u16p0	0
tgt_Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32_Curr	1000

Test Step Call Trace			✓	
Actual Function	Count	Expected Function	Count	Result
Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32	1	Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32	1	~
Rte_Call_Sa_MtrDrvDiag_SystemTime_DtrmnElapsedTime_uS_u16	1	Rte_Call_Sa_MtrDrvDiag_SystemTime_DtrmnElapsedTime_uS_u16	1	~

Test Step 3.2 (Repeat Count = 1)		V
Name	Input Value	
Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32(CurrentTime)	tgt_Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32_Curr	
TimeToWait_uS_T_u16p0	10000	

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GateDrvWaitTime

Name	Input Value
tgt_Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32_Curr	50000000

Test Step Call Trace			V	
Actual Function	Count	Expected Function	Count	Result
Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32	1	Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32	1	~
Rte_Call_Sa_MtrDrvDiag_SystemTime_DtrmnElapsedTime_uS_u16	2	Rte_Call_Sa_MtrDrvDiag_SystemTime_DtrmnElapsedTime_uS_u16	2	✓

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 Project
 MtrDrvDiag

 Module
 MtrDrvDiag

 Test Object
 MtrDrvDiag_Per2

Instrumentation: Test Object Only

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

Statistics

Total Testcases	1	
Successful	1	✓
Failed	0	
Not Executed	0	

Module Properties

Project Root Directory	D:\Synergy_Work_Area\CBD_MtrDrvDiag
Configuration File	D:\Synergy_Work_Area\CBD_MtrDrvDiag\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)\MtrDrvDiag\src\Sa_MtrDrvDiag.c
Compiler Options	-Dconst= -D_DATA_ACCESS= -DSKIP_MAGIC_NUMBER= -Dstatic= -I\$(PROJECTROOT)\NxtrLib\include -I\$(PROJECTROOT)\StdDef \include -I\$(PROJECTROOT)\MtrDrvDiag\utp\contract -I\$(Compiler Install Path)\include

Comments/Description	n/Specification
Name	Text
Module 'MtrDrvDiag'	Name of Tester: Spoorti Mali Code File(s) Under Test: Sa_MtrDrvDiag.c Code File(s) Version: 22 Module Design Document:Motor_Driver_Diagnostics_MDD.doc Module Design Document Version: 11 Data Dictionary Version: 11 Unit Test Plan Version: 3 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 1.31 Total FLASH Used (Bytes): 17 Total FLASH Used (Bytes): 17 Total CALS Used (Bytes): 50 Special Test Requirements: Test Date:01-29-2015 Comments: Note 1:Inline function defined in ""Gloabalmacro.h"" is not unit Tested.
	Note 2:In ""GateDrvWaitTime"" function extra code is added in VBA,to exit the while loop and to replicate the usercode functionality of TESSY. Note 3:In ""ReadMtrDrvFItData""function, ""DataHigh_Cnt_T_lgc"" temporary variable and ""Rte_Call_SystemTime_DtrmnElapsedTime_uS_u16"" stub are used as ""DataHigh_Cnt_T_lgc_Array[10]"" and ""Rte_Call_FetFIt1Data_OP_GET_Array[11]"" to replicate the usercode functionality of TESSY.
	Note 4:In functions ""ProcGateDriveFlt"", ""ProcBridgeFlt"", ""MtrDrvDiag_Per1"", ""ReadMtrDrvFltData"" functions, ""Rte_Call_SystemTime_DtrmnElapsedTime_uS_u16""is not tested with its Min value, to avoid the infinite loop. Note 5:""CBD_Sandbox_dbg.map"" file is embedded for reference."

Attributes	
Name	Value
Compiler Install Path	\$(ProgramFiles)\Texas Instruments\ccsv4\tools\compiler\tms470_4.9.5
Float Precision	9
InitObjDir	<pre>\$(PROJECTROOT)\UnitTestEnv\static_build_files\obj</pre>

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MtrDrvDiag_Per2



Attributes				
Name	Value			
InitSrcDir	\$(PROJECTROOT)\UnitTestEnv\static_build_files\src			
Linker File	<pre>\$(PROJECTROOT)\UnitTestEnv\static_build_files\sys_link.cmd</pre>			
Makefile Template	\$(PROJECTROOT)\UnitTestEnv\config\Nexteer_ts_make_ude_ti_tms570_ps.tpl			
Target Install Path	<pre>\$(ProgramFiles)\pls</pre>			
Time Unit	Cycles			
Timer Enabled	false			
Timer Prescale	0			
Timer Resolution	1			
UDE Config File	\$(PROJECTROOT)\UnitTestEnv\config\TMS570_UDE_12PIN_JTAG.cfg			
Workspace File	D:\Synergy_Work_Area\CBD_MtrDrvDiag\UnitTestEnv\config\UDE_TMS570_DEBUG.WSP			

Description



Test Case 1: Path Test

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

TC1.1 569 Cycles Vector Description

TS1.1 Check for Call Trace

Test Step 1.1 (Repeat Count = 1) **Actual Value Expected Value** Result Rte_Call_Sa_MtrDrvDiag_FetDrvReset_OP_SET(signal) 0 0

Test Step Call Trace					
Actual Function	Count	Expected Function	Count	Result	
Rte_Call_Sa_MtrDrvDiag_FetDrvReset_OP_SET	1	Rte_Call_Sa_MtrDrvDiag_FetDrvReset_OP_SET	1	~	

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 Project
 MtrDrvDiag

 Module
 MtrDrvDiag

 Test Object
 ReadMtrDrvFltData

Instrumentation: Test Object Only

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

Statistics

Total Testcases	3	
Successful	3	~
Failed	0	
Not Executed	0	

Module Properties

Project Root Directory	D:\Synergy_Work_Area\CBD_MtrDrvDiag
Configuration File	D:\Synergy_Work_Area\CBD_MtrDrvDiag\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)\MtrDrvDiag\src\Sa_MtrDrvDiag.c
Compiler Options	-Dconst= -D_DATA_ACCESS= -DSKIP_MAGIC_NUMBER= -Dstatic= -I\$(PROJECTROOT)\NxtrLib\include -I\$(PROJECTROOT)\StdDef \include -I\$(PROJECTROOT)\MtrDrvDiag\utp\contract\Sa_MtrDrvDiag -I\$(PROJECTROOT)\MtrDrvDiag\utp\contract -I\$(Compiler Install Path)\include

Comments/Description/Spe	ecification
Name	Text



Module 'MtrDrvDiag'

Name of Tester: Spoorti Mali

Code File(s) Under Test: Sa_MtrDrvDiag.c Code File(s) Version: 22 Module Design Document:Motor_Driver_Diagnostics_MDD.doc

Module Design Document:Motor_Driver_Diagnostics_MDD.doc
Module Design Document Version: 11
Data Dictionary Version: 11
Unit Test Plan Version: 3
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 1.31
Total FLASH Used (Bytes): 1334
Total RAM Used (Bytes): 17
Total CALS Used (Bytes): 50
Special Test Requirements:
Test Date:01-29-2015
Comments:

Comments:

Note 1:Inline function defined in ""Gloabalmacro.h""

is not unit Tested.

Note 2:In ""GateDrvWaitTime"" function extra code is added in VBA, to exit the while loop and to replicate the usercode functionality of TESSY.

Note 3:In ""ReadMtrDrvFltData""function,""DataHigh_Cnt_T_lgc"" temporary variable and ""Rte_Call_SystemTime_DtrmnElapsedTime_uS_u16"" stub are used as ""DataHigh_Cnt_T_lgc_Array[10]"" and ""Rte_Call_FetFlt1Data_OP_GET_Array[11]"" to replicate the usercode functionality of TESSY.

Note 4:In functions ""ProcGateDriveFlt"" , ""ProcBridgeFlt"" , ""MtrDrvDiag_Per1"", ""ReadMtrDrvFltData"" functions, ""Rte_Call_SystemTime_DtrmnElapsedTime_uS_u16""is not tested with its Min value, to avoid the infinite loop.

Note 5:""CBD_Sandbox_dbg.map"" file is embedded for reference."

Attributes				
Name	Value			
Compiler Install Path	\$(ProgramFiles)\Texas Instruments\ccsv4\tools\compiler\tms470_4.9.5			
Float Precision	9			
InitObjDir	\$(PROJECTROOT)\UnitTestEnv\static_build_files\obj			
InitSrcDir	\$(PROJECTROOT)\UnitTestEnv\static_build_files\src			
Linker File	\$(PROJECTROOT)\UnitTestEnv\static_build_files\sys_link.cmd			
Makefile Template	\$(PROJECTROOT)\UnitTestEnv\config\Nexteer_ts_make_ude_ti_tms570_ps.tpl			
Target Install Path	\$(ProgramFiles)\pls			
Time Unit	Cycles			
Timer Enabled	false			
Timer Prescale	0			
Timer Resolution	1			
UDE Config File	\$(PROJECTROOT)\UnitTestEnv\config\TMS570_UDE_12PIN_JTAG.cfg			
Workspace File	D:\Synergy_Work_Area\CBD_MtrDrvDiag\UnitTestEnv\config\UDE_TMS570_DEBUG.WSP			



Test Case 1: Metrics Test

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

TC1.1 644073 Cycles TC1.2 648550 Cycles

Description Vector Description

TS1.1"Shortest Execution Path:

TS1.1"Shortest Execution Path:

(ClockBit_Cnt_T_u16<10U)=True &&(ClockBit_Cnt_T_u16<10U)=False &&

(0U == Status_Cnt_T_b16)=True && (FaultedPhases_Cnt_T_u16 == 1U)=False"

TS1.2"Longest Execution Path:

(ClockBit_Cnt_T_u16<10U)=True && (ClockBit_Cnt_T_u16<10U)=False &&

(TRUE == DataHigh_Cnt_T_lgc)=True &&

(0U == Status_Cnt_T_b16)=False && (FaultedPhases_Cnt_T_u16 == 1U)=False &&

(000= Status_Cnt_T_b16)=False && (FaultedPhases_Cnt_T_u16 == 1U)=False &&

(000= Status_Cnt_T_b16)=False && (FaultedPhases_Cnt_T_u16 == 1U)=False &&

(000= Status_Cnt_T_b16)=False && (FaultedPhases_Cnt_T_u16 == 1U)=False &&

(case 0=True)&& (case 1=True)&&(case 2=True)&&(case 3=True)&&(case 4=True)&&(case 5=True)&&(case 6=True)&&(case 7=True)&&(case 8=True)"

Test Step 1.1 (Repeat Count = 1)			✓
Name	Input Value		
Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32(CurrentTime)	tgt_Rte_Call_Sa_MtrDrvDiag_SystemTime	e_GetSystemTime_uS_u32_Curr	
StatusPtr_Cnt_T_b16	tgt_StatusPtr_Cnt_T_b16		
tgt_Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32_Curr	0		
tgt_StatusPtr_Cnt_T_b16	0		
Name	Actual Value	Expected Value	Result
ReadMtrDrvFltData()	0	0	~
SVDiag_FETFaultPhase_Cnt_M_enum	0	0	✓
SVDiag_FETFaultType_Cnt_M_enum	0	0	✓
tgt_StatusPtr_Cnt_T_b16	1024	1024	~

ReadMtrDrvFltData

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Test Step Call Trace

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Actual Function		Expected Function		Result
Rte_Call_Sa_MtrDrvDiag_loHwAbPortConfig_SetFetFlt2ToOutput	1	Rte_Call_Sa_MtrDrvDiag_loHwAbPortConfig_SetFetFlt2ToOutput	1	~
Rte_Call_Sa_MtrDrvDiag_FetFlt2Clk_OP_SET	1	Rte_Call_Sa_MtrDrvDiag_FetFlt2Clk_OP_SET	1	•
GateDrvWaitTime	1	GateDrvWaitTime	1	•
Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32	1	Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32	1	•
Rte_Call_Sa_MtrDrvDiag_SystemTime_DtrmnElapsedTime_uS_u16	2	Rte_Call_Sa_MtrDrvDiag_SystemTime_DtrmnElapsedTime_uS_u16	2	•
Rte_Call_Sa_MtrDrvDiag_FetFlt1Data_OP_GET	1	Rte_Call_Sa_MtrDrvDiag_FetFlt1Data_OP_GET	1	
Rte_Call_Sa_MtrDrvDiag_FetFlt2Clk_OP_SET	1	Rte_Call_Sa_MtrDrvDiag_FetFlt2Clk_OP_SET	1	
GateDrvWaitTime	1	GateDrvWaitTime Pto Call So MtrDrvDing SystemTime CotSystemTime us us use	1	
Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32 Rte_Call_Sa_MtrDrvDiag_SystemTime_DtrmnElapsedTime_uS_u16	1	Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32	1	
	1	Rte_Call_Sa_MtrDrvDiag_SystemTime_DtrmnElapsedTime_uS_u16	1	
Rte_Call_Sa_MtrDrvDiag_FetFlt2Clk_OP_SET	1	Rte_Call_Sa_MtrDrvDiag_FetFlt2Clk_OP_SET	1	
GateDrvWaitTime Pto Call So MtrDrvDing SystemTime CotSystemTime us us2	1	GateDrvWaitTime	1	Ĭ
Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32		Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32		
Rte_Call_Sa_MtrDrvDiag_SystemTime_DtrmnElapsedTime_uS_u16	255	Rte_Call_Sa_MtrDrvDiag_SystemTime_DtrmnElapsedTime_uS_u16	255	Ĭ
Rte_Call_Sa_MtrDrvDiag_FetFlt1Data_OP_GET	1	Rte_Call_Sa_MtrDrvDiag_FetFlt1Data_OP_GET Rte_Call_Sa_MtrDrvDiag_FetFlt2Clk_OP_SET	1	
Rte_Call_Sa_MtrDrvDiag_FetFlt2Clk_OP_SET GateDrvWaitTime	1	GateDrvWaitTime	1	
	1		1	
Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32	1	Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32	1	Ĭ
Rte_Call_Sa_MtrDrvDiag_SystemTime_DtrmnElapsedTime_uS_u16		Rte_Call_Sa_MtrDrvDiag_SystemTime_DtrmnElapsedTime_uS_u16	1	
Rte_Call_Sa_MtrDrvDiag_FetFlt2Clk_OP_SET	1	Rte_Call_Sa_MtrDrvDiag_FetFlt2Clk_OP_SET		•
GateDrvWaitTime	1	GateDrvWaitTime Pto Call So MtrDrvDing SystemTime CotSystemTime us us use	1	•
Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32		Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32		•
Rte_Call_Sa_MtrDrvDiag_SystemTime_DtrmnElapsedTime_uS_u16	255	Rte_Call_Sa_MtrDrvDiag_SystemTime_DtrmnElapsedTime_uS_u16	255	•
Rte_Call_Sa_MtrDrvDiag_FetFlt1Data_OP_GET	1	Rte_Call_Sa_MtrDrvDiag_FetFlt1Data_OP_GET	1	
Rte_Call_Sa_MtrDrvDiag_FetFlt2Clk_OP_SET	1	Rte_Call_Sa_MtrDrvDiag_FetFlt2Clk_OP_SET	1	
GateDrvWaitTime		GateDrvWaitTime	1	•
Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32	1	Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32		•
Rte_Call_Sa_MtrDrvDiag_SystemTime_DtrmnElapsedTime_uS_u16	1	Rte_Call_Sa_MtrDrvDiag_SystemTime_DtrmnElapsedTime_uS_u16	1	•
Rte_Call_Sa_MtrDrvDiag_FetFlt2Clk_OP_SET	1	Rte_Call_Sa_MtrDrvDiag_FetFlt2Clk_OP_SET	1	•
GateDrvWaitTime	1	GateDrvWaitTime	1	•
Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32	1	Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32	1	•
Rte_Call_Sa_MtrDrvDiag_SystemTime_DtrmnElapsedTime_uS_u16	255	Rte_Call_Sa_MtrDrvDiag_SystemTime_DtrmnElapsedTime_uS_u16	255	•
Rte_Call_Sa_MtrDrvDiag_FetFlt1Data_OP_GET	1	Rte_Call_Sa_MtrDrvDiag_FetFlt1Data_OP_GET	1	•
Rte_Call_Sa_MtrDrvDiag_FetFlt2Clk_OP_SET	1	Rte_Call_Sa_MtrDrvDiag_FetFlt2Clk_OP_SET	1	•
GateDrvWaitTime	1	GateDrvWaitTime	1	•
Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32		Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32		
Rte_Call_Sa_MtrDrvDiag_SystemTime_DtrmnElapsedTime_uS_u16	1	Rte_Call_Sa_MtrDrvDiag_SystemTime_DtrmnElapsedTime_uS_u16	1	•
Rte_Call_Sa_MtrDrvDiag_FetFlt2Clk_OP_SET	1	Rte_Call_Sa_MtrDrvDiag_FetFlt2Clk_OP_SET	1	•
GateDrvWaitTime	1	GateDrvWaitTime	1	•
Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32	1	Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32	1	•
Rte_Call_Sa_MtrDrvDiag_SystemTime_DtrmnElapsedTime_uS_u16	255	Rte_Call_Sa_MtrDrvDiag_SystemTime_DtrmnElapsedTime_uS_u16	255	•
Rte_Call_Sa_MtrDrvDiag_FetFlt1Data_OP_GET	1	Rte_Call_Sa_MtrDrvDiag_FetFlt1Data_OP_GET	1	•
Rte_Call_Sa_MtrDrvDiag_FetFlt2Clk_OP_SET	1	Rte_Call_Sa_MtrDrvDiag_FetFlt2Clk_OP_SET	1	•
GateDrvWaitTime	1	GateDrvWaitTime	1	_
Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32	1	Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32	1	
Rte_Call_Sa_MtrDrvDiag_SystemTime_DtrmnElapsedTime_uS_u16	1	Rte_Call_Sa_MtrDrvDiag_SystemTime_DtrmnElapsedTime_uS_u16	1	•
Rte_Call_Sa_MtrDrvDiag_FetFlt2Clk_OP_SET	1	Rte_Call_Sa_MtrDrvDiag_FetFlt2Clk_OP_SET	1	_
GateDrvWaitTime	1	GateDrvWaitTime	1	•
Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32	1	Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32	1	_
Rte_Call_Sa_MtrDrvDiag_SystemTime_DtrmnElapsedTime_uS_u16	255	Rte_Call_Sa_MtrDrvDiag_SystemTime_DtrmnElapsedTime_uS_u16	255	•
Rte_Call_Sa_MtrDrvDiag_FetFlt1Data_OP_GET	1	Rte_Call_Sa_MtrDrvDiag_FetFlt1Data_OP_GET	1	
Rte_Call_Sa_MtrDrvDiag_FetFlt2Clk_OP_SET	1	Rte_Call_Sa_MtrDrvDiag_FetFlt2Clk_OP_SET	1	•
GateDrvWaitTime	1	GateDrvWaitTime	1	•
Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32	1	Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32	1	•
Rte_Call_Sa_MtrDrvDiag_SystemTime_DtrmnElapsedTime_uS_u16	1	Rte_Call_Sa_MtrDrvDiag_SystemTime_DtrmnElapsedTime_uS_u16	1	•
Rte_Call_Sa_MtrDrvDiag_FetFlt2Clk_OP_SET	1	Rte_Call_Sa_MtrDrvDiag_FetFlt2Clk_OP_SET	1	•
GateDrvWaitTime	1	GateDrvWaitTime	1	
Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32	1	Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32	1	•
Rte_Call_Sa_MtrDrvDiag_SystemTime_DtrmnElapsedTime_uS_u16	255	Rte_Call_Sa_MtrDrvDiag_SystemTime_DtrmnElapsedTime_uS_u16	255	•
Rte_Call_Sa_MtrDrvDiag_FetFlt1Data_OP_GET	1	Rte_Call_Sa_MtrDrvDiag_FetFlt1Data_OP_GET	1	•
Rte_Call_Sa_MtrDrvDiag_FetFlt2Clk_OP_SET	1	Rte_Call_Sa_MtrDrvDiag_FetFlt2Clk_OP_SET	1	•
GateDrvWaitTime	1	GateDrvWaitTime	1	•
Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32	1	Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32	1	•
Rte_Call_Sa_MtrDrvDiag_SystemTime_DtrmnElapsedTime_uS_u16	1	Rte_Call_Sa_MtrDrvDiag_SystemTime_DtrmnElapsedTime_uS_u16	1	•
Rte_Call_Sa_MtrDrvDiag_FetFlt2Clk_OP_SET	1	Rte_Call_Sa_MtrDrvDiag_FetFlt2Clk_OP_SET	1	•
GateDrvWaitTime	1	GateDrvWaitTime	1	•
Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32	1	Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32	1	-
	255	Rte_Call_Sa_MtrDrvDiag_SystemTime_DtrmnElapsedTime_uS_u16	255	•
Rte_Call_Sa_MtrDrvDiag_SystemTime_DtrmnElapsedTime_uS_u16	1.4	Rte_Call_Sa_MtrDrvDiag_FetFlt1Data_OP_GET	1	→
Rte_Call_Sa_MtrDrvDiag_FetFlt1Data_OP_GET	1			
Rte_Call_Sa_MtrDrvDiag_FetFlt1Data_OP_GET Rte_Call_Sa_MtrDrvDiag_FetFlt2Clk_OP_SET	1	Rte_Call_Sa_MtrDrvDiag_FetFlt2Clk_OP_SET	1	•
Rte_Call_Sa_MtrDrvDiag_FetFlt1Data_OP_GET				~

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ReadMtrDrvFltData

Actual Function	Count	Expected Function	Count	Result
Rte_Call_Sa_MtrDrvDiag_FetFlt2Clk_OP_SET	1	Rte_Call_Sa_MtrDrvDiag_FetFlt2Clk_OP_SET	1	~
GateDrvWaitTime	1	GateDrvWaitTime	1	~
Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32	1	Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32	1	✓
Rte_Call_Sa_MtrDrvDiag_SystemTime_DtrmnElapsedTime_uS_u16	255	Rte_Call_Sa_MtrDrvDiag_SystemTime_DtrmnElapsedTime_uS_u16	255	~
Rte_Call_Sa_MtrDrvDiag_FetFlt1Data_OP_GET	1	Rte_Call_Sa_MtrDrvDiag_FetFlt1Data_OP_GET	1	~
Rte_Call_Sa_MtrDrvDiag_FetFlt2Clk_OP_SET	1	Rte_Call_Sa_MtrDrvDiag_FetFlt2Clk_OP_SET	1	~
GateDrvWaitTime	1	GateDrvWaitTime	1	~
Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32	1	Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32	1	~
Rte_Call_Sa_MtrDrvDiag_SystemTime_DtrmnElapsedTime_uS_u16	1	Rte_Call_Sa_MtrDrvDiag_SystemTime_DtrmnElapsedTime_uS_u16	1	~
Rte_Call_Sa_MtrDrvDiag_FetFlt2Clk_OP_SET	1	Rte_Call_Sa_MtrDrvDiag_FetFlt2Clk_OP_SET	1	~
GateDrvWaitTime	1	GateDrvWaitTime	1	✓
Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32	1	Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32	1	~
Rte_Call_Sa_MtrDrvDiag_SystemTime_DtrmnElapsedTime_uS_u16	255	Rte_Call_Sa_MtrDrvDiag_SystemTime_DtrmnElapsedTime_uS_u16	255	~
Rte_Call_Sa_MtrDrvDiag_FetFlt1Data_OP_GET	1	Rte_Call_Sa_MtrDrvDiag_FetFlt1Data_OP_GET	1	~
Rte_Call_Sa_MtrDrvDiag_FetFlt2Clk_OP_SET	1	Rte_Call_Sa_MtrDrvDiag_FetFlt2Clk_OP_SET	1	~
GateDrvWaitTime	1	GateDrvWaitTime	1	~
Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32	1	Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32	1	✓
Rte_Call_Sa_MtrDrvDiag_SystemTime_DtrmnElapsedTime_uS_u16	1	Rte_Call_Sa_MtrDrvDiag_SystemTime_DtrmnElapsedTime_uS_u16	1	~
Rte_Call_Sa_MtrDrvDiag_loHwAbPortConfig_SetFetFlt2ToOutput	1	Rte_Call_Sa_MtrDrvDiag_IoHwAbPortConfig_SetFetFlt2ToOutput	1	~

Test Step 1.2 (Repeat Count = 1)			✓
Name	Input Value		
Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32(CurrentTime)	tgt_Rte_Call_Sa_MtrDrvDiag_Syste	emTime_GetSystemTime_uS_u32_Curr	
StatusPtr_Cnt_T_b16	tgt_StatusPtr_Cnt_T_b16		
tgt_Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32_Curr	1000		
tgt_StatusPtr_Cnt_T_b16	65535		
Name	Actual Value	Expected Value	Result
ReadMtrDrvFltData()	6	6	~
SVDiag_FETFaultPhase_Cnt_M_enum	3	3	~
SVDiag_FETFaultType_Cnt_M_enum	2	2	~
tgt StatusPtr Cnt T b16	1023	1023	✓

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Test Step Call Trace

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Actual Function		Expected Function		Result
Rte_Call_Sa_MtrDrvDiag_loHwAbPortConfig_SetFetFlt2ToOutput	1	Rte_Call_Sa_MtrDrvDiag_IoHwAbPortConfig_SetFetFlt2ToOutput	1	_
Rte_Call_Sa_MtrDrvDiag_FetFlt2Clk_OP_SET GateDrvWaitTime	1	Rte_Call_Sa_MtrDrvDiag_FetFlt2Clk_OP_SET GateDrvWaitTime	1	· ·
Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32	1	Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32	1	
Rte_Call_Sa_MtrDrvDiag_SystemTime_DtrmnElapsedTime_uS_u16	1	Rte_Call_Sa_MtrDrvDiag_SystemTime_DtrmnElapsedTime_uS_u16	1	-
Rte Call Sa MtrDrvDiag FetFlt1Data OP GET	1	Rte_Call_Sa_MtrDrvDiag_FetFlt1Data_OP_GET	1	•
Rte_Call_Sa_MtrDrvDiag_FetFlt2Clk_OP_SET	1	Rte_Call_Sa_MtrDrvDiag_FetFlt2Clk_OP_SET	1	-
GateDrvWaitTime	1	GateDrvWaitTime	1	~
Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32	1	Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32	1	•
Rte_Call_Sa_MtrDrvDiag_SystemTime_DtrmnElapsedTime_uS_u16	1	Rte_Call_Sa_MtrDrvDiag_SystemTime_DtrmnElapsedTime_uS_u16	1	~
Rte_Call_Sa_MtrDrvDiag_FetFlt2Clk_OP_SET	1	Rte_Call_Sa_MtrDrvDiag_FetFlt2Clk_OP_SET	1	~
GateDrvWaitTime	1	GateDrvWaitTime	1	~
Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32	1	Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32	1	~
Rte_Call_Sa_MtrDrvDiag_SystemTime_DtrmnElapsedTime_uS_u16	255	Rte_Call_Sa_MtrDrvDiag_SystemTime_DtrmnElapsedTime_uS_u16	255	V
Rte_Call_Sa_MtrDrvDiag_FetFlt1Data_OP_GET	1	Rte_Call_Sa_MtrDrvDiag_FetFlt1Data_OP_GET	1	~
Rte_Call_Sa_MtrDrvDiag_FetFlt2Clk_OP_SET GateDrvWaitTime	1	Rte_Call_Sa_MtrDrvDiag_FetFlt2Clk_OP_SET GateDrvWaitTime	1	Y
Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32	1	Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32	1	~
Rte_Call_Sa_MtrDrvDiag_SystemTime_DtrmnElapsedTime_uS_u16	1	Rte Call Sa MtrDrvDiag SystemTime_detSystemTime_us_us2	1	
Rte Call Sa MtrDrvDiag FetFlt2Clk OP SET	1	Rte Call Sa MtrDrvDiag FetFlt2Clk OP SET	1	-
GateDrvWaitTime	1	GateDryWaitTime	1	
Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32	1	Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32	1	•
Rte_Call_Sa_MtrDrvDiag_SystemTime_DtrmnElapsedTime_uS_u16	255	Rte_Call_Sa_MtrDrvDiag_SystemTime_DtrmnElapsedTime_uS_u16	255	-
Rte_Call_Sa_MtrDrvDiag_FetFlt1Data_OP_GET	1	Rte_Call_Sa_MtrDrvDiag_FetFlt1Data_OP_GET	1	-
Rte_Call_Sa_MtrDrvDiag_FetFlt2Clk_OP_SET	1	Rte_Call_Sa_MtrDrvDiag_FetFlt2Clk_OP_SET	1	-
GateDrvWaitTime	1	GateDrvWaitTime	1	•
Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32	1	Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32	1	~
Rte_Call_Sa_MtrDrvDiag_SystemTime_DtrmnElapsedTime_uS_u16	1	Rte_Call_Sa_MtrDrvDiag_SystemTime_DtrmnElapsedTime_uS_u16	1	~
Rte_Call_Sa_MtrDrvDiag_FetFlt2Clk_OP_SET	1	Rte_Call_Sa_MtrDrvDiag_FetFlt2Clk_OP_SET	1	~
GateDrvWaitTime	1	GateDrvWaitTime	1	~
Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32	1	Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32	1	~
Rte_Call_Sa_MtrDrvDiag_SystemTime_DtrmnElapsedTime_uS_u16	255	Rte_Call_Sa_MtrDrvDiag_SystemTime_DtrmnElapsedTime_uS_u16	255	~
Rte_Call_Sa_MtrDrvDiag_FetFlt1Data_OP_GET	1	Rte_Call_Sa_MtrDrvDiag_FetFlt1Data_OP_GET	1	~
Rte_Call_Sa_MtrDrvDiag_FetFlt2Clk_OP_SET	1	Rte_Call_Sa_MtrDrvDiag_FetFlt2Clk_OP_SET	1	V
GateDrvWaitTime	1	GateDrvWaitTime	1	~
Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32 Rte_Call_Sa_MtrDrvDiag_SystemTime_DtrmnElapsedTime_uS_u16	1	Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32 Rte_Call_Sa_MtrDrvDiag_SystemTime_DtrmnElapsedTime_uS_u16	1	J
Rte_Call_Sa_MtrDrvDiag_FetFlt2Clk_OP_SET	1	Rte_Call_Sa_MtrDrvDiag_FetFlt2Clk_OP_SET	1	~
GateDrvWaitTime	1	GateDrvWaitTime	1	
Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32	1	Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32	1	~
Rte Call Sa MtrDrvDiag SystemTime DtrmnElapsedTime uS u16	255	Rte Call Sa MtrDrvDiag SystemTime DtrmnElapsedTime uS u16	255	-
Rte_Call_Sa_MtrDrvDiag_FetFlt1Data_OP_GET	1	Rte Call Sa MtrDrvDiag FetFlt1Data OP GET	1	•
Rte_Call_Sa_MtrDrvDiag_FetFlt2Clk_OP_SET	1	Rte_Call_Sa_MtrDrvDiag_FetFlt2Clk_OP_SET	1	~
GateDrvWaitTime	1	GateDrvWaitTime	1	~
Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32	1	Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32	1	~
Rte_Call_Sa_MtrDrvDiag_SystemTime_DtrmnElapsedTime_uS_u16	1	Rte_Call_Sa_MtrDrvDiag_SystemTime_DtrmnElapsedTime_uS_u16	1	~
Rte_Call_Sa_MtrDrvDiag_FetFlt2Clk_OP_SET	1	Rte_Call_Sa_MtrDrvDiag_FetFlt2Clk_OP_SET	1	~
GateDrvWaitTime	1	GateDrvWaitTime	1	~
Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32	1	Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32	1	~
Rte_Call_Sa_MtrDrvDiag_SystemTime_DtrmnElapsedTime_uS_u16	255	Rte_Call_Sa_MtrDrvDiag_SystemTime_DtrmnElapsedTime_uS_u16	255	~
Rte_Call_Sa_MtrDrvDiag_FetFlt1Data_OP_GET	1	Rte_Call_Sa_MtrDrvDiag_FetFlt1Data_OP_GET	1	~
Rte_Call_Sa_MtrDrvDiag_FetFlt2Clk_OP_SET	1	Rte_Call_Sa_MtrDrvDiag_FetFlt2Clk_OP_SET	1	~
GateDrvWaitTime	1	GateDrvWaitTime	1	*
Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32	1	Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32	1	V
Rte_Call_Sa_MtrDrvDiag_SystemTime_DtrmnElapsedTime_uS_u16	1	Rte_Call_Sa_MtrDrvDiag_SystemTime_DtrmnElapsedTime_uS_u16	1	V
Rte_Call_Sa_MtrDrvDiag_FetFlt2Clk_OP_SET GateDrvWaitTime	1	Rte_Call_Sa_MtrDrvDiag_FetFlt2Clk_OP_SET GateDrvWaitTime	1	V
Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32	1	Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32	1	~
Rte_Call_Sa_MtrDrvDiag_SystemTime_DtrmnElapsedTime_uS_u16	255	Rte_Call_Sa_MtrDrvDiag_SystemTime_detSystemTime_uS_u16	255	
Rte_Call_Sa_MtrDrvDiag_FetFlt1Data_OP_GET	1	Rte Call Sa MtrDrvDiag FetFlt1Data OP GET	1	~
Rte_Call_Sa_MtrDrvDiag_FetFlt2Clk_OP_SET	1	Rte_Call_Sa_MtrDrvDiag_FetFlt2Clk_OP_SET	1	-
GateDrvWaitTime	1	GateDrvWaitTime	1	✓
Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32	1	Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32	1	-
Rte_Call_Sa_MtrDrvDiag_SystemTime_DtrmnElapsedTime_uS_u16	1	Rte_Call_Sa_MtrDrvDiag_SystemTime_DtrmnElapsedTime_uS_u16	1	~
Rte_Call_Sa_MtrDrvDiag_FetFlt2Clk_OP_SET	1	Rte_Call_Sa_MtrDrvDiag_FetFlt2Clk_OP_SET	1	~
GateDrvWaitTime	1	GateDrvWaitTime	1	~
Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32	1	Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32	1	~
Rte_Call_Sa_MtrDrvDiag_SystemTime_DtrmnElapsedTime_uS_u16	255	Rte_Call_Sa_MtrDrvDiag_SystemTime_DtrmnElapsedTime_uS_u16	255	~
Rte_Call_Sa_MtrDrvDiag_FetFlt1Data_OP_GET	1	Rte_Call_Sa_MtrDrvDiag_FetFlt1Data_OP_GET	1	~
	1	Rte_Call_Sa_MtrDrvDiag_FetFlt2Clk_OP_SET	1	✓
Rte_Call_Sa_MtrDrvDiag_FetFlt2Clk_OP_SET				
Rte_Call_Sa_MtrDrvDiag_FetFlt2Clk_OP_SET GateDrvWaitTime Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32	1	GateDrvWaitTime Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32	1	✓

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ReadMtrDrvFltData

Actual Function	Count	Expected Function	Count	Result
Rte_Call_Sa_MtrDrvDiag_FetFlt2Clk_OP_SET	1	Rte_Call_Sa_MtrDrvDiag_FetFlt2Clk_OP_SET	1	~
GateDrvWaitTime	1	GateDrvWaitTime	1	•
Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32	1	Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32	1	•
Rte_Call_Sa_MtrDrvDiag_SystemTime_DtrmnElapsedTime_uS_u16	255	Rte_Call_Sa_MtrDrvDiag_SystemTime_DtrmnElapsedTime_uS_u16	255	~
Rte_Call_Sa_MtrDrvDiag_FetFlt1Data_OP_GET	1	Rte_Call_Sa_MtrDrvDiag_FetFlt1Data_OP_GET	1	•
Rte_Call_Sa_MtrDrvDiag_FetFlt2Clk_OP_SET	1	Rte_Call_Sa_MtrDrvDiag_FetFlt2Clk_OP_SET	1	~
GateDrvWaitTime	1	GateDrvWaitTime	1	~
Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32	1	Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32	1	•
Rte_Call_Sa_MtrDrvDiag_SystemTime_DtrmnElapsedTime_uS_u16	1	Rte_Call_Sa_MtrDrvDiag_SystemTime_DtrmnElapsedTime_uS_u16	1	•
Rte_Call_Sa_MtrDrvDiag_FetFlt2Clk_OP_SET	1	Rte_Call_Sa_MtrDrvDiag_FetFlt2Clk_OP_SET	1	~
GateDrvWaitTime	1	GateDrvWaitTime	1	•
Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32	1	Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32	1	~
Rte_Call_Sa_MtrDrvDiag_SystemTime_DtrmnElapsedTime_uS_u16	255	Rte_Call_Sa_MtrDrvDiag_SystemTime_DtrmnElapsedTime_uS_u16	255	•
Rte_Call_Sa_MtrDrvDiag_FetFlt1Data_OP_GET	1	Rte_Call_Sa_MtrDrvDiag_FetFlt1Data_OP_GET	1	~
Rte_Call_Sa_MtrDrvDiag_FetFlt2Clk_OP_SET	1	Rte_Call_Sa_MtrDrvDiag_FetFlt2Clk_OP_SET	1	~
GateDrvWaitTime	1	GateDrvWaitTime	1	•
Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32	1	Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32	1	~
Rte_Call_Sa_MtrDrvDiag_SystemTime_DtrmnElapsedTime_uS_u16	1	Rte_Call_Sa_MtrDrvDiag_SystemTime_DtrmnElapsedTime_uS_u16	1	~
Rte_Call_Sa_MtrDrvDiag_IoHwAbPortConfig_SetFetFlt2ToOutput	1	Rte_Call_Sa_MtrDrvDiag_IoHwAbPortConfig_SetFetFlt2ToOutput	1	~

Test Case 2: Boundary Test

Specification

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

TC2.1 648625 Cycles
TC2.2 653236 Cycles
TC2.3 655425 Cycles
TC2.4 66030 Cycles
TC2.5 6664822 Cycles
TC2.6 669589 Cycles
TC2.7 674087 Cycles

Description Vector Description

TS2.1StatusPtr_Cnt_T_b16=Min
TS2.2StatusPtr_Cnt_T_b16=Max
TS2.3StatusPtr_Cnt_T_b16=Pos
TS2.4Rte_Call_FetFlt1Data_OP_GET=Min
TS2.5Rte_Call_FetFlt1Data_OP_GET=Max
TS2.6All Min
TS2.7All May

TS2.7All Max

Test Step 2.1 (Repeat Count = 1)			
Name	Input Value		
Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32(CurrentTime)	tgt_Rte_Call_Sa_MtrDrvDiag_SystemTime	_GetSystemTime_uS_u32_Curr	
StatusPtr_Cnt_T_b16	tgt_StatusPtr_Cnt_T_b16		
tgt_Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32_Curr	5000		
tgt_StatusPtr_Cnt_T_b16	0		
Name	Actual Value	Expected Value	Result
ReadMtrDrvFltData()	6	6	-
SVDiag_FETFaultPhase_Cnt_M_enum	3	3	✓
SVDiag_FETFaultType_Cnt_M_enum	2	2	-
tgt_StatusPtr_Cnt_T_b16	1023	1023	✓

ReadMtrDrvFltData

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Actual Function		Expected Function		Result
Rte_Call_Sa_MtrDrvDiag_loHwAbPortConfig_SetFetFlt2ToOutput	1	Rte_Call_Sa_MtrDrvDiag_IoHwAbPortConfig_SetFetFlt2ToOutput	1	_
Rte_Call_Sa_MtrDrvDiag_FetFlt2Clk_OP_SET GateDrvWaitTime	1	Rte_Call_Sa_MtrDrvDiag_FetFlt2Clk_OP_SET GateDrvWaitTime	1	· ·
Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32	1	Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32	1	
Rte_Call_Sa_MtrDrvDiag_SystemTime_DtrmnElapsedTime_uS_u16	1	Rte_Call_Sa_MtrDrvDiag_SystemTime_DtrmnElapsedTime_uS_u16	1	-
Rte Call Sa MtrDrvDiag FetFlt1Data OP GET	1	Rte_Call_Sa_MtrDrvDiag_FetFlt1Data_OP_GET	1	•
Rte_Call_Sa_MtrDrvDiag_FetFlt2Clk_OP_SET	1	Rte_Call_Sa_MtrDrvDiag_FetFlt2Clk_OP_SET	1	-
GateDrvWaitTime	1	GateDrvWaitTime	1	~
Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32	1	Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32	1	•
Rte_Call_Sa_MtrDrvDiag_SystemTime_DtrmnElapsedTime_uS_u16	1	Rte_Call_Sa_MtrDrvDiag_SystemTime_DtrmnElapsedTime_uS_u16	1	~
Rte_Call_Sa_MtrDrvDiag_FetFlt2Clk_OP_SET	1	Rte_Call_Sa_MtrDrvDiag_FetFlt2Clk_OP_SET	1	~
GateDrvWaitTime	1	GateDrvWaitTime	1	~
Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32	1	Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32	1	~
Rte_Call_Sa_MtrDrvDiag_SystemTime_DtrmnElapsedTime_uS_u16	255	Rte_Call_Sa_MtrDrvDiag_SystemTime_DtrmnElapsedTime_uS_u16	255	V
Rte_Call_Sa_MtrDrvDiag_FetFlt1Data_OP_GET	1	Rte_Call_Sa_MtrDrvDiag_FetFlt1Data_OP_GET	1	~
Rte_Call_Sa_MtrDrvDiag_FetFlt2Clk_OP_SET GateDrvWaitTime	1	Rte_Call_Sa_MtrDrvDiag_FetFlt2Clk_OP_SET GateDrvWaitTime	1	Y
Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32	1	Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32	1	~
Rte_Call_Sa_MtrDrvDiag_SystemTime_DtrmnElapsedTime_uS_u16	1	Rte Call Sa MtrDrvDiag SystemTime_detSystemTime_us_us2	1	
Rte Call Sa MtrDrvDiag FetFlt2Clk OP SET	1	Rte Call Sa MtrDrvDiag FetFlt2Clk OP SET	1	-
GateDrvWaitTime	1	GateDryWaitTime	1	
Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32	1	Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32	1	•
Rte_Call_Sa_MtrDrvDiag_SystemTime_DtrmnElapsedTime_uS_u16	255	Rte_Call_Sa_MtrDrvDiag_SystemTime_DtrmnElapsedTime_uS_u16	255	-
Rte_Call_Sa_MtrDrvDiag_FetFlt1Data_OP_GET	1	Rte_Call_Sa_MtrDrvDiag_FetFlt1Data_OP_GET	1	-
Rte_Call_Sa_MtrDrvDiag_FetFlt2Clk_OP_SET	1	Rte_Call_Sa_MtrDrvDiag_FetFlt2Clk_OP_SET	1	-
GateDrvWaitTime	1	GateDrvWaitTime	1	•
Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32	1	Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32	1	-
Rte_Call_Sa_MtrDrvDiag_SystemTime_DtrmnElapsedTime_uS_u16	1	Rte_Call_Sa_MtrDrvDiag_SystemTime_DtrmnElapsedTime_uS_u16	1	~
Rte_Call_Sa_MtrDrvDiag_FetFlt2Clk_OP_SET	1	Rte_Call_Sa_MtrDrvDiag_FetFlt2Clk_OP_SET	1	~
GateDrvWaitTime	1	GateDrvWaitTime	1	~
Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32	1	Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32	1	~
Rte_Call_Sa_MtrDrvDiag_SystemTime_DtrmnElapsedTime_uS_u16	255	Rte_Call_Sa_MtrDrvDiag_SystemTime_DtrmnElapsedTime_uS_u16	255	~
Rte_Call_Sa_MtrDrvDiag_FetFlt1Data_OP_GET	1	Rte_Call_Sa_MtrDrvDiag_FetFlt1Data_OP_GET	1	~
Rte_Call_Sa_MtrDrvDiag_FetFlt2Clk_OP_SET	1	Rte_Call_Sa_MtrDrvDiag_FetFlt2Clk_OP_SET	1	V
GateDrvWaitTime	1	GateDrvWaitTime	1	~
Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32 Rte_Call_Sa_MtrDrvDiag_SystemTime_DtrmnElapsedTime_uS_u16	1	Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32 Rte_Call_Sa_MtrDrvDiag_SystemTime_DtrmnElapsedTime_uS_u16	1	J
Rte_Call_Sa_MtrDrvDiag_FetFlt2Clk_OP_SET	1	Rte_Call_Sa_MtrDrvDiag_FetFlt2Clk_OP_SET	1	~
GateDrvWaitTime	1	GateDrvWaitTime	1	
Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32	1	Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32	1	~
Rte Call Sa MtrDrvDiag SystemTime DtrmnElapsedTime uS u16	255	Rte Call Sa MtrDrvDiag SystemTime DtrmnElapsedTime uS u16	255	-
Rte_Call_Sa_MtrDrvDiag_FetFlt1Data_OP_GET	1	Rte Call Sa MtrDrvDiag FetFlt1Data OP GET	1	•
Rte_Call_Sa_MtrDrvDiag_FetFlt2Clk_OP_SET	1	Rte_Call_Sa_MtrDrvDiag_FetFlt2Clk_OP_SET	1	~
GateDrvWaitTime	1	GateDrvWaitTime	1	~
Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32	1	Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32	1	~
Rte_Call_Sa_MtrDrvDiag_SystemTime_DtrmnElapsedTime_uS_u16	1	Rte_Call_Sa_MtrDrvDiag_SystemTime_DtrmnElapsedTime_uS_u16	1	~
Rte_Call_Sa_MtrDrvDiag_FetFlt2Clk_OP_SET	1	Rte_Call_Sa_MtrDrvDiag_FetFlt2Clk_OP_SET	1	~
GateDrvWaitTime	1	GateDrvWaitTime	1	~
Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32	1	Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32	1	~
Rte_Call_Sa_MtrDrvDiag_SystemTime_DtrmnElapsedTime_uS_u16	255	Rte_Call_Sa_MtrDrvDiag_SystemTime_DtrmnElapsedTime_uS_u16	255	~
Rte_Call_Sa_MtrDrvDiag_FetFlt1Data_OP_GET	1	Rte_Call_Sa_MtrDrvDiag_FetFlt1Data_OP_GET	1	~
Rte_Call_Sa_MtrDrvDiag_FetFlt2Clk_OP_SET	1	Rte_Call_Sa_MtrDrvDiag_FetFlt2Clk_OP_SET	1	~
GateDrvWaitTime	1	GateDrvWaitTime	1	~
Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32	1	Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32	1	V
Rte_Call_Sa_MtrDrvDiag_SystemTime_DtrmnElapsedTime_uS_u16	1	Rte_Call_Sa_MtrDrvDiag_SystemTime_DtrmnElapsedTime_uS_u16	1	V
Rte_Call_Sa_MtrDrvDiag_FetFlt2Clk_OP_SET GateDrvWaitTime	1	Rte_Call_Sa_MtrDrvDiag_FetFlt2Clk_OP_SET GateDrvWaitTime	1	V
Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32	1	Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32	1	~
Rte_Call_Sa_MtrDrvDiag_SystemTime_DtrmnElapsedTime_uS_u16	255	Rte_Call_Sa_MtrDrvDiag_SystemTime_detSystemTime_uS_u16	255	
Rte_Call_Sa_MtrDrvDiag_FetFlt1Data_OP_GET	1	Rte Call Sa MtrDrvDiag FetFlt1Data OP GET	1	~
Rte_Call_Sa_MtrDrvDiag_FetFlt2Clk_OP_SET	1	Rte_Call_Sa_MtrDrvDiag_FetFlt2Clk_OP_SET	1	-
GateDrvWaitTime	1	GateDrvWaitTime	1	✓
Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32	1	Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32	1	-
Rte_Call_Sa_MtrDrvDiag_SystemTime_DtrmnElapsedTime_uS_u16	1	Rte_Call_Sa_MtrDrvDiag_SystemTime_DtrmnElapsedTime_uS_u16	1	~
Rte_Call_Sa_MtrDrvDiag_FetFlt2Clk_OP_SET	1	Rte_Call_Sa_MtrDrvDiag_FetFlt2Clk_OP_SET	1	~
GateDrvWaitTime	1	GateDrvWaitTime	1	~
Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32	1	Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32	1	~
Rte_Call_Sa_MtrDrvDiag_SystemTime_DtrmnElapsedTime_uS_u16	255	Rte_Call_Sa_MtrDrvDiag_SystemTime_DtrmnElapsedTime_uS_u16	255	~
Rte_Call_Sa_MtrDrvDiag_FetFlt1Data_OP_GET	1	Rte_Call_Sa_MtrDrvDiag_FetFlt1Data_OP_GET	1	~
	1	Rte_Call_Sa_MtrDrvDiag_FetFlt2Clk_OP_SET	1	✓
Rte_Call_Sa_MtrDrvDiag_FetFlt2Clk_OP_SET				
Rte_Call_Sa_MtrDrvDiag_FetFlt2Clk_OP_SET GateDrvWaitTime Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32	1	GateDrvWaitTime Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32	1	✓

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Actual Function	Count	Expected Function	Count	Result
Rte_Call_Sa_MtrDrvDiag_FetFlt2Clk_OP_SET	1	Rte_Call_Sa_MtrDrvDiag_FetFlt2Clk_OP_SET	1	~
GateDrvWaitTime	1	GateDrvWaitTime	1	~
Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32	1	Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32	1	~
Rte_Call_Sa_MtrDrvDiag_SystemTime_DtrmnElapsedTime_uS_u16	255	Rte_Call_Sa_MtrDrvDiag_SystemTime_DtrmnElapsedTime_uS_u16	255	~
Rte_Call_Sa_MtrDrvDiag_FetFlt1Data_OP_GET	1	Rte_Call_Sa_MtrDrvDiag_FetFlt1Data_OP_GET	1	~
Rte_Call_Sa_MtrDrvDiag_FetFlt2Clk_OP_SET	1	Rte_Call_Sa_MtrDrvDiag_FetFlt2Clk_OP_SET	1	-
GateDrvWaitTime	1	GateDrvWaitTime	1	~
Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32	1	Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32	1	~
Rte_Call_Sa_MtrDrvDiag_SystemTime_DtrmnElapsedTime_uS_u16	1	Rte_Call_Sa_MtrDrvDiag_SystemTime_DtrmnElapsedTime_uS_u16	1	~
Rte_Call_Sa_MtrDrvDiag_FetFlt2Clk_OP_SET	1	Rte_Call_Sa_MtrDrvDiag_FetFlt2Clk_OP_SET	1	~
GateDrvWaitTime	1	GateDrvWaitTime	1	~
Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32	1	Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32	1	~
Rte_Call_Sa_MtrDrvDiag_SystemTime_DtrmnElapsedTime_uS_u16	255	Rte_Call_Sa_MtrDrvDiag_SystemTime_DtrmnElapsedTime_uS_u16	255	~
Rte_Call_Sa_MtrDrvDiag_FetFlt1Data_OP_GET	1	Rte_Call_Sa_MtrDrvDiag_FetFlt1Data_OP_GET	1	~
Rte_Call_Sa_MtrDrvDiag_FetFlt2Clk_OP_SET	1	Rte_Call_Sa_MtrDrvDiag_FetFlt2Clk_OP_SET	1	~
GateDrvWaitTime	1	GateDrvWaitTime	1	~
Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32	1	Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32	1	~
Rte_Call_Sa_MtrDrvDiag_SystemTime_DtrmnElapsedTime_uS_u16	1	Rte_Call_Sa_MtrDrvDiag_SystemTime_DtrmnElapsedTime_uS_u16	1	~
Rte_Call_Sa_MtrDrvDiag_IoHwAbPortConfig_SetFetFlt2ToOutput	1	Rte_Call_Sa_MtrDrvDiag_IoHwAbPortConfig_SetFetFlt2ToOutput	1	~

Test Step 2.2 (Repeat Count = 1)			✓
Name	Input Value		
Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32(CurrentTime)	tgt_Rte_Call_Sa_MtrDrvDiag_Syste	mTime_GetSystemTime_uS_u32_Curr	
StatusPtr_Cnt_T_b16	tgt_StatusPtr_Cnt_T_b16		
tgt_Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32_Curr	1000		
tgt_StatusPtr_Cnt_T_b16	65535		
Name	Actual Value	Expected Value	Result
ReadMtrDrvFltData()	6	6	~
SVDiag_FETFaultPhase_Cnt_M_enum	3	3	✓
SVDiag_FETFaultType_Cnt_M_enum	2	2	~
tgt StatusPtr Cnt T b16	1023	1023	✓

ReadMtrDrvFltData

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Actual Function		Expected Function		Result
Rte_Call_Sa_MtrDrvDiag_loHwAbPortConfig_SetFetFlt2ToOutput	1	Rte_Call_Sa_MtrDrvDiag_IoHwAbPortConfig_SetFetFlt2ToOutput	1	~
Rte_Call_Sa_MtrDrvDiag_FetFlt2Clk_OP_SET GateDrvWaitTime	1	Rte_Call_Sa_MtrDrvDiag_FetFlt2Clk_OP_SET GateDrvWaitTime	1	Ž
Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32	1	Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32	1	-
Rte_Call_Sa_MtrDrvDiag_SystemTime_DtrmnElapsedTime_uS_u16	1	Rte_Call_Sa_MtrDrvDiag_SystemTime_DtrmnElapsedTime_uS_u16	1	-
Rte_Call_Sa_MtrDrvDiag_FetFlt1Data_OP_GET	1	Rte_Call_Sa_MtrDrvDiag_FetFlt1Data_OP_GET	1	•
Rte_Call_Sa_MtrDrvDiag_FetFlt2Clk_OP_SET	1	Rte_Call_Sa_MtrDrvDiag_FetFlt2Clk_OP_SET	1	~
GateDrvWaitTime	1	GateDrvWaitTime	1	~
Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32	1	Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32	1	•
Rte_Call_Sa_MtrDrvDiag_SystemTime_DtrmnElapsedTime_uS_u16	1	Rte_Call_Sa_MtrDrvDiag_SystemTime_DtrmnElapsedTime_uS_u16	1	~
Rte_Call_Sa_MtrDrvDiag_FetFlt2Clk_OP_SET	1	Rte_Call_Sa_MtrDrvDiag_FetFlt2Clk_OP_SET	1	~
GateDrvWaitTime	1	GateDrvWaitTime	1	~
Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32	1	Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32	1	~
Rte_Call_Sa_MtrDrvDiag_SystemTime_DtrmnElapsedTime_uS_u16	255	Rte_Call_Sa_MtrDrvDiag_SystemTime_DtrmnElapsedTime_uS_u16	255	*
Rte_Call_Sa_MtrDrvDiag_FetFlt1Data_OP_GET Rte_Call_Sa_MtrDrvDiag_FetFlt2Clk_OP_SET	1	Rte_Call_Sa_MtrDrvDiag_FetFlt1Data_OP_GET Rte Call Sa MtrDrvDiag FetFlt2Clk OP SET	1	~
GateDrvWaitTime	1	GateDrvWaitTime	1	
Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32	1	Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32	1	
Rte_Call_Sa_MtrDrvDiag_SystemTime_DtrmnElapsedTime_uS_u16	1	Rte_Call_Sa_MtrDrvDiag_SystemTime_DtrmnElapsedTime_uS_u16	1	_
Rte_Call_Sa_MtrDrvDiag_FetFlt2Clk_OP_SET	1	Rte_Call_Sa_MtrDrvDiag_FetFlt2Clk_OP_SET	1	•
GateDrvWaitTime	1	GateDrvWaitTime	1	~
Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32	1	Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32	1	~
Rte_Call_Sa_MtrDrvDiag_SystemTime_DtrmnElapsedTime_uS_u16	255	Rte_Call_Sa_MtrDrvDiag_SystemTime_DtrmnElapsedTime_uS_u16	255	~
Rte_Call_Sa_MtrDrvDiag_FetFlt1Data_OP_GET	1	Rte_Call_Sa_MtrDrvDiag_FetFlt1Data_OP_GET	1	✓
Rte_Call_Sa_MtrDrvDiag_FetFlt2Clk_OP_SET	1	Rte_Call_Sa_MtrDrvDiag_FetFlt2Clk_OP_SET	1	~
GateDrvWaitTime	1	GateDrvWaitTime	1	~
Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32	1	Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32	1	~
Rte_Call_Sa_MtrDrvDiag_SystemTime_DtrmnElapsedTime_uS_u16	1	Rte_Call_Sa_MtrDrvDiag_SystemTime_DtrmnElapsedTime_uS_u16	1	V
Rte_Call_Sa_MtrDrvDiag_FetFlt2Clk_OP_SET	1	Rte_Call_Sa_MtrDrvDiag_FetFlt2Clk_OP_SET	1	V
GateDrvWaitTime Pto Coll So MtrDrvDiog SystemTime CotSystemTime us us use	1	GateDrvWaitTime Pto Coll So MtrDrvDiog SystemTime CotSystemTime us us use	1	*
Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32 Rte_Call_Sa_MtrDrvDiag_SystemTime_DtrmnElapsedTime_uS_u16	255	Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32 Rte_Call_Sa_MtrDrvDiag_SystemTime_DtrmnElapsedTime_uS_u16	255	~
Rte_Call_Sa_MtrDrvDiag_FetFlt1Data_OP_GET	1	Rte_Call_Sa_MtrDrvDiag_FetFlt1Data_OP_GET	1	
Rte_Call_Sa_MtrDrvDiag_FetFlt2Clk_OP_SET	1	Rte_Call_Sa_MtrDrvDiag_FetFlt2Clk_OP_SET	1	~
GateDrvWaitTime	1	GateDryWaitTime	1	
Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32	1	Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32	1	~
Rte_Call_Sa_MtrDrvDiag_SystemTime_DtrmnElapsedTime_uS_u16	1	Rte_Call_Sa_MtrDrvDiag_SystemTime_DtrmnElapsedTime_uS_u16	1	~
Rte_Call_Sa_MtrDrvDiag_FetFlt2Clk_OP_SET	1	Rte_Call_Sa_MtrDrvDiag_FetFlt2Clk_OP_SET	1	~
GateDrvWaitTime	1	GateDrvWaitTime	1	~
Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32	1	Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32	1	~
Rte_Call_Sa_MtrDrvDiag_SystemTime_DtrmnElapsedTime_uS_u16	255	Rte_Call_Sa_MtrDrvDiag_SystemTime_DtrmnElapsedTime_uS_u16	255	~
Rte_Call_Sa_MtrDrvDiag_FetFlt1Data_OP_GET	1	Rte_Call_Sa_MtrDrvDiag_FetFlt1Data_OP_GET	1	_
Rte_Call_Sa_MtrDrvDiag_FetFlt2Clk_OP_SET	1	Rte_Call_Sa_MtrDrvDiag_FetFlt2Clk_OP_SET	1	V
GateDrvWaitTime Pto Coll So MtrDrvDiog SystemTime CotSystemTime us us use	1	GateDrvWaitTime Rto Coll So MtrDrvDiog SystemTime CotSystemTime us us use	1	¥
Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32 Rte_Call_Sa_MtrDrvDiag_SystemTime_DtrmnElapsedTime_uS_u16	1	Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32 Rte_Call_Sa_MtrDrvDiag_SystemTime_DtrmnElapsedTime_uS_u16	1	~
Rte_Call_Sa_MtrDrvDiag_FetFlt2Clk_OP_SET	1	Rte_Call_Sa_MtrDrvDiag_FetFlt2Clk_OP_SET	1	-
GateDrvWaitTime	1	GateDrvWaitTime	1	•
Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32	1	Rte Call Sa MtrDrvDiag SystemTime GetSystemTime uS u32	1	-
Rte_Call_Sa_MtrDrvDiag_SystemTime_DtrmnElapsedTime_uS_u16	255	Rte_Call_Sa_MtrDrvDiag_SystemTime_DtrmnElapsedTime_uS_u16	255	~
Rte_Call_Sa_MtrDrvDiag_FetFlt1Data_OP_GET	1	Rte_Call_Sa_MtrDrvDiag_FetFlt1Data_OP_GET	1	~
Rte_Call_Sa_MtrDrvDiag_FetFlt2Clk_OP_SET	1	Rte_Call_Sa_MtrDrvDiag_FetFlt2Clk_OP_SET	1	~
GateDrvWaitTime	1	GateDrvWaitTime	1	~
Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32	1	Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32	1	✓
Rte_Call_Sa_MtrDrvDiag_SystemTime_DtrmnElapsedTime_uS_u16	1	Rte_Call_Sa_MtrDrvDiag_SystemTime_DtrmnElapsedTime_uS_u16	1	~
Rte_Call_Sa_MtrDrvDiag_FetFlt2Clk_OP_SET	1	Rte_Call_Sa_MtrDrvDiag_FetFlt2Clk_OP_SET	1	~
GateDrvWaitTime	1	GateDrvWaitTime	1	Y
Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32	1	Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32	1	*
Rte_Call_Sa_MtrDrvDiag_SystemTime_DtrmnElapsedTime_uS_u16	255	Rte_Call_Sa_MtrDrvDiag_SystemTime_DtrmnElapsedTime_uS_u16	255 1	V
Rte_Call_Sa_MtrDrvDiag_FetFlt1Data_OP_GET Rte_Call_Sa_MtrDrvDiag_FetFlt2Clk_OP_SET	1	Rte_Call_Sa_MtrDrvDiag_FetFlt1Data_OP_GET Rte_Call_Sa_MtrDrvDiag_FetFlt2Clk_OP_SET	1	Y
GateDrvWaitTime	1	GateDrvWaitTime	1	~
Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32	1	Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32	1	
Rte_Call_Sa_MtrDrvDiag_SystemTime_DtrmnElapsedTime_uS_u16	1	Rte_Call_Sa_MtrDrvDiag_SystemTime_DtrmnElapsedTime_uS_u16	1	~
Rte_Call_Sa_MtrDrvDiag_FetFlt2Clk_OP_SET	1	Rte_Call_Sa_MtrDrvDiag_FetFlt2Clk_OP_SET	1	-
GateDrvWaitTime	1	GateDrvWaitTime	1	~
Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32	1	Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32	1	
Rte_Call_Sa_MtrDrvDiag_SystemTime_DtrmnElapsedTime_uS_u16	255	Rte_Call_Sa_MtrDrvDiag_SystemTime_DtrmnElapsedTime_uS_u16	255	•
Rte_Call_Sa_MtrDrvDiag_FetFlt1Data_OP_GET	1	Rte_Call_Sa_MtrDrvDiag_FetFlt1Data_OP_GET	1	~
Rte_Call_Sa_MtrDrvDiag_FetFlt2Clk_OP_SET	1	Rte_Call_Sa_MtrDrvDiag_FetFlt2Clk_OP_SET	1	~
GateDrvWaitTime	1	GateDrvWaitTime	1	~
Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32	1	Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32	1	~
Rte_Call_Sa_MtrDrvDiag_SystemTime_DtrmnElapsedTime_uS_u16	1	Rte_Call_Sa_MtrDrvDiag_SystemTime_DtrmnElapsedTime_uS_u16	1	

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Actual Function	Count	Expected Function	Count	Result
Rte_Call_Sa_MtrDrvDiag_FetFlt2Clk_OP_SET	1	Rte_Call_Sa_MtrDrvDiag_FetFlt2Clk_OP_SET	1	~
GateDrvWaitTime	1	GateDrvWaitTime	1	~
Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32	1	Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32	1	~
Rte_Call_Sa_MtrDrvDiag_SystemTime_DtrmnElapsedTime_uS_u16	255	Rte_Call_Sa_MtrDrvDiag_SystemTime_DtrmnElapsedTime_uS_u16	255	~
Rte_Call_Sa_MtrDrvDiag_FetFlt1Data_OP_GET	1	Rte_Call_Sa_MtrDrvDiag_FetFlt1Data_OP_GET	1	~
Rte_Call_Sa_MtrDrvDiag_FetFlt2Clk_OP_SET	1	Rte_Call_Sa_MtrDrvDiag_FetFlt2Clk_OP_SET	1	-
GateDrvWaitTime	1	GateDrvWaitTime	1	~
Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32	1	Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32	1	~
Rte_Call_Sa_MtrDrvDiag_SystemTime_DtrmnElapsedTime_uS_u16	1	Rte_Call_Sa_MtrDrvDiag_SystemTime_DtrmnElapsedTime_uS_u16	1	~
Rte_Call_Sa_MtrDrvDiag_FetFlt2Clk_OP_SET	1	Rte_Call_Sa_MtrDrvDiag_FetFlt2Clk_OP_SET	1	~
GateDrvWaitTime	1	GateDrvWaitTime	1	~
Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32	1	Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32	1	~
Rte_Call_Sa_MtrDrvDiag_SystemTime_DtrmnElapsedTime_uS_u16	255	Rte_Call_Sa_MtrDrvDiag_SystemTime_DtrmnElapsedTime_uS_u16	255	~
Rte_Call_Sa_MtrDrvDiag_FetFlt1Data_OP_GET	1	Rte_Call_Sa_MtrDrvDiag_FetFlt1Data_OP_GET	1	~
Rte_Call_Sa_MtrDrvDiag_FetFlt2Clk_OP_SET	1	Rte_Call_Sa_MtrDrvDiag_FetFlt2Clk_OP_SET	1	~
GateDrvWaitTime	1	GateDrvWaitTime	1	~
Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32	1	Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32	1	~
Rte_Call_Sa_MtrDrvDiag_SystemTime_DtrmnElapsedTime_uS_u16	1	Rte_Call_Sa_MtrDrvDiag_SystemTime_DtrmnElapsedTime_uS_u16	1	~
Rte_Call_Sa_MtrDrvDiag_IoHwAbPortConfig_SetFetFlt2ToOutput	1	Rte_Call_Sa_MtrDrvDiag_IoHwAbPortConfig_SetFetFlt2ToOutput	1	~

Test Step 2.3 (Repeat Count = 1)			✓
Name	Input Value		
Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32(CurrentTime)	tgt_Rte_Call_Sa_MtrDrvDiag_Syste	mTime_GetSystemTime_uS_u32_Curr	
StatusPtr_Cnt_T_b16	tgt_StatusPtr_Cnt_T_b16		
tgt_Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32_Curr	2000		
tgt_StatusPtr_Cnt_T_b16	5000		
Name	Actual Value	Expected Value	Result
ReadMtrDrvFltData()	1	1	~
SVDiag_FETFaultPhase_Cnt_M_enum	1	1	~
SVDiag_FETFaultType_Cnt_M_enum	1	1	~
tgt StatusPtr Cnt T b16	1	1	✓

ReadMtrDrvFltData

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Actual Function		Expected Function		Result
Rte_Call_Sa_MtrDrvDiag_loHwAbPortConfig_SetFetFlt2ToOutput	1	Rte_Call_Sa_MtrDrvDiag_IoHwAbPortConfig_SetFetFlt2ToOutput	1	_
Rte_Call_Sa_MtrDrvDiag_FetFlt2Clk_OP_SET GateDrvWaitTime	1	Rte_Call_Sa_MtrDrvDiag_FetFlt2Clk_OP_SET GateDrvWaitTime	1	· ·
Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32	1	Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32	1	
Rte_Call_Sa_MtrDrvDiag_SystemTime_DtrmnElapsedTime_uS_u16	1	Rte_Call_Sa_MtrDrvDiag_SystemTime_DtrmnElapsedTime_uS_u16	1	-
Rte Call Sa MtrDrvDiag FetFlt1Data OP GET	1	Rte_Call_Sa_MtrDrvDiag_FetFlt1Data_OP_GET	1	•
Rte_Call_Sa_MtrDrvDiag_FetFlt2Clk_OP_SET	1	Rte_Call_Sa_MtrDrvDiag_FetFlt2Clk_OP_SET	1	-
GateDrvWaitTime	1	GateDrvWaitTime	1	~
Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32	1	Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32	1	•
Rte_Call_Sa_MtrDrvDiag_SystemTime_DtrmnElapsedTime_uS_u16	1	Rte_Call_Sa_MtrDrvDiag_SystemTime_DtrmnElapsedTime_uS_u16	1	~
Rte_Call_Sa_MtrDrvDiag_FetFlt2Clk_OP_SET	1	Rte_Call_Sa_MtrDrvDiag_FetFlt2Clk_OP_SET	1	~
GateDrvWaitTime	1	GateDrvWaitTime	1	~
Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32	1	Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32	1	~
Rte_Call_Sa_MtrDrvDiag_SystemTime_DtrmnElapsedTime_uS_u16	255	Rte_Call_Sa_MtrDrvDiag_SystemTime_DtrmnElapsedTime_uS_u16	255	V
Rte_Call_Sa_MtrDrvDiag_FetFlt1Data_OP_GET	1	Rte_Call_Sa_MtrDrvDiag_FetFlt1Data_OP_GET	1	~
Rte_Call_Sa_MtrDrvDiag_FetFlt2Clk_OP_SET GateDrvWaitTime	1	Rte_Call_Sa_MtrDrvDiag_FetFlt2Clk_OP_SET GateDrvWaitTime	1	Y
Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32	1	Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32	1	~
Rte_Call_Sa_MtrDrvDiag_SystemTime_DtrmnElapsedTime_uS_u16	1	Rte Call Sa MtrDrvDiag SystemTime_detSystemTime_us_us2	1	
Rte Call Sa MtrDrvDiag FetFlt2Clk OP SET	1	Rte Call Sa MtrDrvDiag FetFlt2Clk OP SET	1	-
GateDrvWaitTime	1	GateDryWaitTime	1	
Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32	1	Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32	1	•
Rte_Call_Sa_MtrDrvDiag_SystemTime_DtrmnElapsedTime_uS_u16	255	Rte_Call_Sa_MtrDrvDiag_SystemTime_DtrmnElapsedTime_uS_u16	255	-
Rte_Call_Sa_MtrDrvDiag_FetFlt1Data_OP_GET	1	Rte_Call_Sa_MtrDrvDiag_FetFlt1Data_OP_GET	1	-
Rte_Call_Sa_MtrDrvDiag_FetFlt2Clk_OP_SET	1	Rte_Call_Sa_MtrDrvDiag_FetFlt2Clk_OP_SET	1	-
GateDrvWaitTime	1	GateDrvWaitTime	1	•
Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32	1	Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32	1	-
Rte_Call_Sa_MtrDrvDiag_SystemTime_DtrmnElapsedTime_uS_u16	1	Rte_Call_Sa_MtrDrvDiag_SystemTime_DtrmnElapsedTime_uS_u16	1	~
Rte_Call_Sa_MtrDrvDiag_FetFlt2Clk_OP_SET	1	Rte_Call_Sa_MtrDrvDiag_FetFlt2Clk_OP_SET	1	~
GateDrvWaitTime	1	GateDrvWaitTime	1	~
Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32	1	Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32	1	~
Rte_Call_Sa_MtrDrvDiag_SystemTime_DtrmnElapsedTime_uS_u16	255	Rte_Call_Sa_MtrDrvDiag_SystemTime_DtrmnElapsedTime_uS_u16	255	~
Rte_Call_Sa_MtrDrvDiag_FetFlt1Data_OP_GET	1	Rte_Call_Sa_MtrDrvDiag_FetFlt1Data_OP_GET	1	~
Rte_Call_Sa_MtrDrvDiag_FetFlt2Clk_OP_SET	1	Rte_Call_Sa_MtrDrvDiag_FetFlt2Clk_OP_SET	1	V
GateDrvWaitTime	1	GateDrvWaitTime	1	~
Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32 Rte_Call_Sa_MtrDrvDiag_SystemTime_DtrmnElapsedTime_uS_u16	1	Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32 Rte_Call_Sa_MtrDrvDiag_SystemTime_DtrmnElapsedTime_uS_u16	1	J
Rte_Call_Sa_MtrDrvDiag_FetFlt2Clk_OP_SET	1	Rte_Call_Sa_MtrDrvDiag_FetFlt2Clk_OP_SET	1	~
GateDrvWaitTime	1	GateDrvWaitTime	1	
Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32	1	Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32	1	~
Rte Call Sa MtrDrvDiag SystemTime DtrmnElapsedTime uS u16	255	Rte Call Sa MtrDrvDiag SystemTime DtrmnElapsedTime uS u16	255	-
Rte_Call_Sa_MtrDrvDiag_FetFlt1Data_OP_GET	1	Rte Call Sa MtrDrvDiag FetFlt1Data OP GET	1	•
Rte_Call_Sa_MtrDrvDiag_FetFlt2Clk_OP_SET	1	Rte_Call_Sa_MtrDrvDiag_FetFlt2Clk_OP_SET	1	~
GateDrvWaitTime	1	GateDrvWaitTime	1	~
Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32	1	Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32	1	~
Rte_Call_Sa_MtrDrvDiag_SystemTime_DtrmnElapsedTime_uS_u16	1	Rte_Call_Sa_MtrDrvDiag_SystemTime_DtrmnElapsedTime_uS_u16	1	~
Rte_Call_Sa_MtrDrvDiag_FetFlt2Clk_OP_SET	1	Rte_Call_Sa_MtrDrvDiag_FetFlt2Clk_OP_SET	1	~
GateDrvWaitTime	1	GateDrvWaitTime	1	~
Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32	1	Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32	1	~
Rte_Call_Sa_MtrDrvDiag_SystemTime_DtrmnElapsedTime_uS_u16	255	Rte_Call_Sa_MtrDrvDiag_SystemTime_DtrmnElapsedTime_uS_u16	255	~
Rte_Call_Sa_MtrDrvDiag_FetFlt1Data_OP_GET	1	Rte_Call_Sa_MtrDrvDiag_FetFlt1Data_OP_GET	1	~
Rte_Call_Sa_MtrDrvDiag_FetFlt2Clk_OP_SET	1	Rte_Call_Sa_MtrDrvDiag_FetFlt2Clk_OP_SET	1	~
GateDrvWaitTime	1	GateDrvWaitTime	1	*
Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32	1	Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32	1	V
Rte_Call_Sa_MtrDrvDiag_SystemTime_DtrmnElapsedTime_uS_u16	1	Rte_Call_Sa_MtrDrvDiag_SystemTime_DtrmnElapsedTime_uS_u16	1	V
Rte_Call_Sa_MtrDrvDiag_FetFlt2Clk_OP_SET GateDrvWaitTime	1	Rte_Call_Sa_MtrDrvDiag_FetFlt2Clk_OP_SET GateDrvWaitTime	1	V
Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32	1	Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32	1	~
Rte_Call_Sa_MtrDrvDiag_SystemTime_DtrmnElapsedTime_uS_u16	255	Rte_Call_Sa_MtrDrvDiag_SystemTime_detSystemTime_uS_u16	255	
Rte_Call_Sa_MtrDrvDiag_FetFlt1Data_OP_GET	1	Rte Call Sa MtrDrvDiag FetFlt1Data OP GET	1	~
Rte_Call_Sa_MtrDrvDiag_FetFlt2Clk_OP_SET	1	Rte_Call_Sa_MtrDrvDiag_FetFlt2Clk_OP_SET	1	-
GateDrvWaitTime	1	GateDrvWaitTime	1	✓
Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32	1	Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32	1	-
Rte_Call_Sa_MtrDrvDiag_SystemTime_DtrmnElapsedTime_uS_u16	1	Rte_Call_Sa_MtrDrvDiag_SystemTime_DtrmnElapsedTime_uS_u16	1	~
Rte_Call_Sa_MtrDrvDiag_FetFlt2Clk_OP_SET	1	Rte_Call_Sa_MtrDrvDiag_FetFlt2Clk_OP_SET	1	~
GateDrvWaitTime	1	GateDrvWaitTime	1	~
Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32	1	Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32	1	~
Rte_Call_Sa_MtrDrvDiag_SystemTime_DtrmnElapsedTime_uS_u16	255	Rte_Call_Sa_MtrDrvDiag_SystemTime_DtrmnElapsedTime_uS_u16	255	~
Rte_Call_Sa_MtrDrvDiag_FetFlt1Data_OP_GET	1	Rte_Call_Sa_MtrDrvDiag_FetFlt1Data_OP_GET	1	~
	1	Rte_Call_Sa_MtrDrvDiag_FetFlt2Clk_OP_SET	1	✓
Rte_Call_Sa_MtrDrvDiag_FetFlt2Clk_OP_SET				
Rte_Call_Sa_MtrDrvDiag_FetFlt2Clk_OP_SET GateDrvWaitTime Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32	1	GateDrvWaitTime Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32	1	✓

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Actual Function	Count	Expected Function	Count	Result
Rte_Call_Sa_MtrDrvDiag_FetFlt2Clk_OP_SET	1	Rte_Call_Sa_MtrDrvDiag_FetFlt2Clk_OP_SET	1	•
GateDrvWaitTime	1	GateDrvWaitTime	1	~
Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32	1	Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32	1	~
Rte_Call_Sa_MtrDrvDiag_SystemTime_DtrmnElapsedTime_uS_u16	255	Rte_Call_Sa_MtrDrvDiag_SystemTime_DtrmnElapsedTime_uS_u16	255	~
Rte_Call_Sa_MtrDrvDiag_FetFlt1Data_OP_GET	1	Rte_Call_Sa_MtrDrvDiag_FetFlt1Data_OP_GET	1	•
Rte_Call_Sa_MtrDrvDiag_FetFlt2Clk_OP_SET	1	Rte_Call_Sa_MtrDrvDiag_FetFlt2Clk_OP_SET	1	~
GateDrvWaitTime	1	GateDrvWaitTime	1	•
Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32	1	Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32	1	~
Rte_Call_Sa_MtrDrvDiag_SystemTime_DtrmnElapsedTime_uS_u16	1	Rte_Call_Sa_MtrDrvDiag_SystemTime_DtrmnElapsedTime_uS_u16	1	~
Rte_Call_Sa_MtrDrvDiag_FetFlt2Clk_OP_SET	1	Rte_Call_Sa_MtrDrvDiag_FetFlt2Clk_OP_SET	1	~
GateDrvWaitTime	1	GateDrvWaitTime	1	~
Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32	1	Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32	1	~
Rte_Call_Sa_MtrDrvDiag_SystemTime_DtrmnElapsedTime_uS_u16	255	Rte_Call_Sa_MtrDrvDiag_SystemTime_DtrmnElapsedTime_uS_u16	255	•
Rte_Call_Sa_MtrDrvDiag_FetFlt1Data_OP_GET	1	Rte_Call_Sa_MtrDrvDiag_FetFlt1Data_OP_GET	1	~
Rte_Call_Sa_MtrDrvDiag_FetFlt2Clk_OP_SET	1	Rte_Call_Sa_MtrDrvDiag_FetFlt2Clk_OP_SET	1	✓
GateDrvWaitTime	1	GateDrvWaitTime	1	~
Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32	1	Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32	1	~
Rte_Call_Sa_MtrDrvDiag_SystemTime_DtrmnElapsedTime_uS_u16	1	Rte_Call_Sa_MtrDrvDiag_SystemTime_DtrmnElapsedTime_uS_u16	1	~
Rte_Call_Sa_MtrDrvDiag_loHwAbPortConfig_SetFetFlt2ToOutput	1	Rte_Call_Sa_MtrDrvDiag_IoHwAbPortConfig_SetFetFlt2ToOutput	1	~

Test Step 2.4 (Repeat Count = 1)			✓
Name	Input Value		
Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32(CurrentTime)	tgt_Rte_Call_Sa_MtrDrvDiag_System	Time_GetSystemTime_uS_u32_Curr	
StatusPtr_Cnt_T_b16	tgt_StatusPtr_Cnt_T_b16		
tgt_Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32_Curr	50000		
tgt_StatusPtr_Cnt_T_b16	12000		
Name	Actual Value	Expected Value	Result
ReadMtrDrvFltData()	0	0	~
SVDiag_FETFaultPhase_Cnt_M_enum	0	0	✓
SVDiag_FETFaultType_Cnt_M_enum	0	0	~
tgt StatusPtr Cnt T b16	1024	1024	✓

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Actual Function	Count			Result
Rte_Call_Sa_MtrDrvDiag_IoHwAbPortConfig_SetFetFlt2ToOutput	1	Rte_Call_Sa_MtrDrvDiag_loHwAbPortConfig_SetFetFlt2ToOutput	1	
Rte_Call_Sa_MtrDrvDiag_FetFlt2Clk_OP_SET	1	Rte_Call_Sa_MtrDrvDiag_FetFlt2Clk_OP_SET	1	V
GateDrvWaitTime	1	GateDrvWaitTime Rte Call Sa MtrDrvDiag SystemTime GetSystemTime uS u32	1	*
Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32 Rte_Call_Sa_MtrDrvDiag_SystemTime_DtrmnElapsedTime_uS_u16	1	Rte_Call_Sa_MtrDrvDiag_SystemTime_DtrmnElapsedTime_uS_u16	1	Ž
Rte_Call_Sa_MtrDrvDiag_FetFlt1Data_OP_GET	1	Rte Call Sa MtrDrvDiag FetFlt1Data OP GET	1	~
Rte_Call_Sa_MtrDrvDiag_FetFlt2Clk_OP_SET	1	Rte_Call_Sa_MtrDrvDiag_FetFlt2Clk_OP_SET	1	-
GateDrvWaitTime	1	GateDrvWaitTime	1	~
Rte Call Sa MtrDrvDiag SystemTime GetSystemTime uS u32	1	Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32	1	-
Rte_Call_Sa_MtrDrvDiag_SystemTime_DtrmnElapsedTime_uS_u16	1	Rte_Call_Sa_MtrDrvDiag_SystemTime_DtrmnElapsedTime_uS_u16	1	~
Rte_Call_Sa_MtrDrvDiag_FetFlt2Clk_OP_SET	1	Rte_Call_Sa_MtrDrvDiag_FetFlt2Clk_OP_SET	1	~
GateDrvWaitTime	1	GateDrvWaitTime	1	~
Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32	1	Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32	1	~
Rte_Call_Sa_MtrDrvDiag_SystemTime_DtrmnElapsedTime_uS_u16	255	Rte_Call_Sa_MtrDrvDiag_SystemTime_DtrmnElapsedTime_uS_u16	255	~
Rte_Call_Sa_MtrDrvDiag_FetFlt1Data_OP_GET	1	Rte_Call_Sa_MtrDrvDiag_FetFlt1Data_OP_GET	1	~
Rte_Call_Sa_MtrDrvDiag_FetFlt2Clk_OP_SET	1	Rte_Call_Sa_MtrDrvDiag_FetFlt2Clk_OP_SET	1	~
GateDrvWaitTime	1	GateDrvWaitTime	1	~
Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32	1	Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32	1	~
Rte_Call_Sa_MtrDrvDiag_SystemTime_DtrmnElapsedTime_uS_u16	1	Rte_Call_Sa_MtrDrvDiag_SystemTime_DtrmnElapsedTime_uS_u16	1	~
Rte_Call_Sa_MtrDrvDiag_FetFlt2Clk_OP_SET	1	Rte_Call_Sa_MtrDrvDiag_FetFlt2Clk_OP_SET	1	V
GateDrvWaitTime	1	GateDrvWaitTime	1	V
Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32 Rte_Call_Sa_MtrDrvDiag_SystemTime_DtrmpElansedTime_uS_u16	255	Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32 Rte_Call_Sa_MtrDrvDiag_SystemTime_DtrmnFlansedTime_uS_u16	255	~
Rte_Call_Sa_MtrDrvDiag_SystemTime_DtrmnElapsedTime_uS_u16 Rte_Call_Sa_MtrDrvDiag_FetFlt1Data_OP_GET	1	Rte_Call_Sa_MtrDrvDiag_SystemTime_DtrmnElapsedTime_uS_u16 Rte_Call_Sa_MtrDrvDiag_FetFlt1Data_OP_GET	255	~
Rte Call Sa MtrDrvDiag FetFlt2Clk OP SET	1	Rte_Call_Sa_MtrDrvDiag_FetFlt1Data_OP_SET	1	
GateDryWaitTime	1	GateDrvWaitTime	1	-
Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32	1	Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32	1	,
Rte_Call_Sa_MtrDrvDiag_SystemTime_DtrmnElapsedTime_uS_u16	1	Rte Call Sa MtrDrvDiag SystemTime DtrmnElapsedTime uS u16	1	~
Rte_Call_Sa_MtrDrvDiag_FetFlt2Clk_OP_SET	1	Rte_Call_Sa_MtrDrvDiag_FetFlt2Clk_OP_SET	1	-
GateDrvWaitTime	1	GateDrvWaitTime	1	~
Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32	1	Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32	1	-
Rte_Call_Sa_MtrDrvDiag_SystemTime_DtrmnElapsedTime_uS_u16	255	Rte_Call_Sa_MtrDrvDiag_SystemTime_DtrmnElapsedTime_uS_u16	255	•
Rte_Call_Sa_MtrDrvDiag_FetFlt1Data_OP_GET	1	Rte_Call_Sa_MtrDrvDiag_FetFlt1Data_OP_GET	1	~
Rte_Call_Sa_MtrDrvDiag_FetFlt2Clk_OP_SET	1	Rte_Call_Sa_MtrDrvDiag_FetFlt2Clk_OP_SET	1	~
GateDrvWaitTime	1	GateDrvWaitTime	1	~
Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32	1	Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32	1	~
Rte_Call_Sa_MtrDrvDiag_SystemTime_DtrmnElapsedTime_uS_u16	1	Rte_Call_Sa_MtrDrvDiag_SystemTime_DtrmnElapsedTime_uS_u16	1	~
Rte_Call_Sa_MtrDrvDiag_FetFlt2Clk_OP_SET	1	Rte_Call_Sa_MtrDrvDiag_FetFlt2Clk_OP_SET	1	~
GateDrvWaitTime	1	GateDrvWaitTime	1	~
Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32	1	Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32	1	~
Rte_Call_Sa_MtrDrvDiag_SystemTime_DtrmnElapsedTime_uS_u16	255	Rte_Call_Sa_MtrDrvDiag_SystemTime_DtrmnElapsedTime_uS_u16	255	~
Rte_Call_Sa_MtrDrvDiag_FetFlt1Data_OP_GET	1	Rte_Call_Sa_MtrDrvDiag_FetFlt1Data_OP_GET	1	~
Rte_Call_Sa_MtrDrvDiag_FetFlt2Clk_OP_SET	1	Rte_Call_Sa_MtrDrvDiag_FetFlt2Clk_OP_SET	1	~
GateDrvWaitTime	1	GateDrvWaitTime	1	~
Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32	1	Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32	1	
Rte_Call_Sa_MtrDrvDiag_SystemTime_DtrmnElapsedTime_uS_u16	1	Rte_Call_Sa_MtrDrvDiag_SystemTime_DtrmnElapsedTime_uS_u16	1	V
Rte_Call_Sa_MtrDrvDiag_FetFlt2Clk_OP_SET GateDrvWaitTime	1	Rte_Call_Sa_MtrDrvDiag_FetFlt2Clk_OP_SET GateDrvWaitTime	1	V
	1	Rte Call Sa MtrDrvDiag SystemTime GetSystemTime uS u32	1	*
Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32 Rte_Call_Sa_MtrDrvDiag_SystemTime_DtrmnElapsedTime_uS_u16	255	Rte Call Sa MtrDrvDiag SystemTime_detSystemTime_us_us2	255	
Rte Call Sa MtrDrvDiag FetFlt1Data OP GET	1	Rte Call Sa MtrDrvDiag FetFlt1Data OP GET	1	~
Rte_Call_Sa_MtrDrvDiag_FetFlt2Clk_OP_SET	1	Rte_Call_Sa_MtrDrvDiag_FetFlt2Clk_OP_SET	1	~
GateDrvWaitTime	1	GateDrvWaitTime	1	Ž
Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32	1	Rte Call Sa MtrDrvDiag SystemTime GetSystemTime uS u32	1	~
Rte Call Sa MtrDrvDiag SystemTime DtrmnElapsedTime uS u16	1	Rte_Call_Sa_MtrDrvDiag_SystemTime_DtrmnElapsedTime_uS_u16	1	-
Rte_Call_Sa_MtrDrvDiag_FetFlt2Clk_OP_SET	1	Rte_Call_Sa_MtrDrvDiag_FetFlt2Clk_OP_SET	1	•
GateDrvWaitTime	1	GateDrvWaitTime	1	-
Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32	1	Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32	1	✓
Rte_Call_Sa_MtrDrvDiag_SystemTime_DtrmnElapsedTime_uS_u16	255	Rte_Call_Sa_MtrDrvDiag_SystemTime_DtrmnElapsedTime_uS_u16	255	~
Rte_Call_Sa_MtrDrvDiag_FetFlt1Data_OP_GET	1	Rte_Call_Sa_MtrDrvDiag_FetFlt1Data_OP_GET	1	~
Rte_Call_Sa_MtrDrvDiag_FetFlt2Clk_OP_SET	1	Rte_Call_Sa_MtrDrvDiag_FetFlt2Clk_OP_SET	1	~
GateDrvWaitTime	1	GateDrvWaitTime	1	~
Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32	1	Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32	1	~
Rte_Call_Sa_MtrDrvDiag_SystemTime_DtrmnElapsedTime_uS_u16	1	Rte_Call_Sa_MtrDrvDiag_SystemTime_DtrmnElapsedTime_uS_u16	1	~
Rte_Call_Sa_MtrDrvDiag_FetFlt2Clk_OP_SET	1	Rte_Call_Sa_MtrDrvDiag_FetFlt2Clk_OP_SET	1	~
GateDrvWaitTime	1	GateDrvWaitTime	1	~
Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32	1	Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32	1	~
Rte_Call_Sa_MtrDrvDiag_SystemTime_DtrmnElapsedTime_uS_u16	255	Rte_Call_Sa_MtrDrvDiag_SystemTime_DtrmnElapsedTime_uS_u16	255	~
Rte_Call_Sa_MtrDrvDiag_FetFlt1Data_OP_GET	1	Rte_Call_Sa_MtrDrvDiag_FetFlt1Data_OP_GET	1	~
Rte_Call_Sa_MtrDrvDiag_FetFlt2Clk_OP_SET	1	Rte_Call_Sa_MtrDrvDiag_FetFlt2Clk_OP_SET	1	V
GateDrvWaitTime	1	GateDrvWaitTime	1	
Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32	1	Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32	1	V
Rte_Call_Sa_MtrDrvDiag_SystemTime_DtrmnElapsedTime_uS_u16	1	Rte_Call_Sa_MtrDrvDiag_SystemTime_DtrmnElapsedTime_uS_u16	1	~

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Actual Function	Count	Expected Function	Count	Result
Rte_Call_Sa_MtrDrvDiag_FetFlt2Clk_OP_SET	1	Rte_Call_Sa_MtrDrvDiag_FetFlt2Clk_OP_SET	1	~
GateDrvWaitTime	1	GateDrvWaitTime	1	~
Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32	1	Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32	1	~
Rte_Call_Sa_MtrDrvDiag_SystemTime_DtrmnElapsedTime_uS_u16	255	Rte_Call_Sa_MtrDrvDiag_SystemTime_DtrmnElapsedTime_uS_u16	255	•
Rte_Call_Sa_MtrDrvDiag_FetFlt1Data_OP_GET	1	Rte_Call_Sa_MtrDrvDiag_FetFlt1Data_OP_GET	1	~
Rte_Call_Sa_MtrDrvDiag_FetFlt2Clk_OP_SET	1	Rte_Call_Sa_MtrDrvDiag_FetFlt2Clk_OP_SET	1	•
GateDrvWaitTime	1	GateDrvWaitTime	1	~
Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32	1	Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32	1	~
Rte_Call_Sa_MtrDrvDiag_SystemTime_DtrmnElapsedTime_uS_u16	1	Rte_Call_Sa_MtrDrvDiag_SystemTime_DtrmnElapsedTime_uS_u16	1	•
Rte_Call_Sa_MtrDrvDiag_FetFlt2Clk_OP_SET	1	Rte_Call_Sa_MtrDrvDiag_FetFlt2Clk_OP_SET	1	~
GateDrvWaitTime	1	GateDrvWaitTime	1	~
Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32	1	Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32	1	~
Rte_Call_Sa_MtrDrvDiag_SystemTime_DtrmnElapsedTime_uS_u16	255	Rte_Call_Sa_MtrDrvDiag_SystemTime_DtrmnElapsedTime_uS_u16	255	~
Rte_Call_Sa_MtrDrvDiag_FetFlt1Data_OP_GET	1	Rte_Call_Sa_MtrDrvDiag_FetFlt1Data_OP_GET	1	-
Rte_Call_Sa_MtrDrvDiag_FetFlt2Clk_OP_SET	1	Rte_Call_Sa_MtrDrvDiag_FetFlt2Clk_OP_SET	1	✓
GateDrvWaitTime	1	GateDrvWaitTime	1	~
Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32	1	Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32	1	•
Rte_Call_Sa_MtrDrvDiag_SystemTime_DtrmnElapsedTime_uS_u16	1	Rte_Call_Sa_MtrDrvDiag_SystemTime_DtrmnElapsedTime_uS_u16	1	~
Rte_Call_Sa_MtrDrvDiag_loHwAbPortConfig_SetFetFlt2ToOutput	1	Rte_Call_Sa_MtrDrvDiag_IoHwAbPortConfig_SetFetFlt2ToOutput	1	~

Test Step 2.5 (Repeat Count = 1)			✓
Name	Input Value		
Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32(CurrentTime)	tgt_Rte_Call_Sa_MtrDrvDiag_Syster	mTime_GetSystemTime_uS_u32_Curr	
StatusPtr_Cnt_T_b16	tgt_StatusPtr_Cnt_T_b16		
tgt_Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32_Curr	60000		
tgt_StatusPtr_Cnt_T_b16	13000		
Name	Actual Value	Expected Value	Result
ReadMtrDrvFltData()	6	6	~
SVDiag_FETFaultPhase_Cnt_M_enum	3	3	~
SVDiag_FETFaultType_Cnt_M_enum	2	2	~
tgt StatusPtr Cnt T b16	1023	1023	✓

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Actual Function	Count	•		Result
Rte_Call_Sa_MtrDrvDiag_IoHwAbPortConfig_SetFetFlt2ToOutput	1	Rte_Call_Sa_MtrDrvDiag_IoHwAbPortConfig_SetFetFlt2ToOutput	1	~
Rte_Call_Sa_MtrDrvDiag_FetFlt2Clk_OP_SET	1	Rte_Call_Sa_MtrDrvDiag_FetFlt2Clk_OP_SET	1	•
GateDrvWaitTime	1	GateDrvWaitTime Rte Call Sa MtrDrvDiag SystemTime GetSystemTime uS u32	1	
Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32 Rte_Call_Sa_MtrDrvDiag_SystemTime_DtrmnElapsedTime_uS_u16	1	Rte_Call_Sa_MtrDrvDiag_SystemTime_detsystemTime_us_us2 Rte_Call_Sa_MtrDrvDiag_SystemTime_DtrmnElapsedTime_uS_u16	1	Ĭ
Rte_Call_Sa_MtrDrvDiag_FetFlt1Data_OP_GET	1	Rte_Call_Sa_MtrDrvDiag_FetFlt1Data_OP_GET	1	
Rte_Call_Sa_MtrDrvDiag_FetFlt2Clk_OP_SET	1	Rte_Call_Sa_MtrDrvDiag_FetFlt2Clk_OP_SET	1	j
GateDrvWaitTime	1	GateDryWaitTime	1	•
Rte Call Sa MtrDrvDiag SystemTime GetSystemTime uS u32	1	Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32	1	-
Rte_Call_Sa_MtrDrvDiag_SystemTime_DtrmnElapsedTime_uS_u16	1	Rte_Call_Sa_MtrDrvDiag_SystemTime_DtrmnElapsedTime_uS_u16	1	•
Rte_Call_Sa_MtrDrvDiag_FetFlt2Clk_OP_SET	1	Rte_Call_Sa_MtrDrvDiag_FetFlt2Clk_OP_SET	1	-
GateDrvWaitTime	1	GateDrvWaitTime	1	-
Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32	1	Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32	1	•
Rte_Call_Sa_MtrDrvDiag_SystemTime_DtrmnElapsedTime_uS_u16	255	Rte_Call_Sa_MtrDrvDiag_SystemTime_DtrmnElapsedTime_uS_u16	255	•
Rte_Call_Sa_MtrDrvDiag_FetFlt1Data_OP_GET	1	Rte_Call_Sa_MtrDrvDiag_FetFlt1Data_OP_GET	1	~
Rte_Call_Sa_MtrDrvDiag_FetFlt2Clk_OP_SET	1	Rte_Call_Sa_MtrDrvDiag_FetFlt2Clk_OP_SET	1	~
GateDrvWaitTime	1	GateDrvWaitTime	1	~
Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32	1	Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32	1	~
Rte_Call_Sa_MtrDrvDiag_SystemTime_DtrmnElapsedTime_uS_u16	1	Rte_Call_Sa_MtrDrvDiag_SystemTime_DtrmnElapsedTime_uS_u16	1	~
Rte_Call_Sa_MtrDrvDiag_FetFlt2Clk_OP_SET	1	Rte_Call_Sa_MtrDrvDiag_FetFlt2Clk_OP_SET	1	V
GateDrvWaitTime	1	GateDrvWaitTime	1	*
Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32		Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32		Ž
Rte_Call_Sa_MtrDrvDiag_SystemTime_DtrmnElapsedTime_uS_u16 Rte_Call_Sa_MtrDrvDiag_FetFlt1Data_OP_GET	255 1	Rte_Call_Sa_MtrDrvDiag_SystemTime_DtrmnElapsedTime_uS_u16 Rte_Call_Sa_MtrDrvDiag_FetFlt1Data_OP_GET	255 1	~
Rte Call Sa MtrDrvDiag FetFlt2Clk OP SET	1	Rte Call Sa MtrDrvDiag FetFlt2Clk OP SET	1	Ž
GateDrvWaitTime	1	GateDrvWaitTime	1	
Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32	1	Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32	1	-
Rte Call Sa MtrDrvDiag SystemTime DtrmnElapsedTime uS u16	1	Rte Call Sa MtrDrvDiag SystemTime DtrmnElapsedTime uS u16	1	-
Rte_Call_Sa_MtrDrvDiag_FetFlt2Clk_OP_SET	1	Rte_Call_Sa_MtrDrvDiag_FetFlt2Clk_OP_SET	1	-
GateDrvWaitTime	1	GateDrvWaitTime	1	~
Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32	1	Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32	1	~
Rte_Call_Sa_MtrDrvDiag_SystemTime_DtrmnElapsedTime_uS_u16	255	Rte_Call_Sa_MtrDrvDiag_SystemTime_DtrmnElapsedTime_uS_u16	255	-
Rte_Call_Sa_MtrDrvDiag_FetFlt1Data_OP_GET	1	Rte_Call_Sa_MtrDrvDiag_FetFlt1Data_OP_GET	1	•
Rte_Call_Sa_MtrDrvDiag_FetFlt2Clk_OP_SET	1	Rte_Call_Sa_MtrDrvDiag_FetFlt2Clk_OP_SET	1	~
GateDrvWaitTime	1	GateDrvWaitTime	1	~
Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32	1	Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32	1	~
Rte_Call_Sa_MtrDrvDiag_SystemTime_DtrmnElapsedTime_uS_u16	1	Rte_Call_Sa_MtrDrvDiag_SystemTime_DtrmnElapsedTime_uS_u16	1	~
Rte_Call_Sa_MtrDrvDiag_FetFlt2Clk_OP_SET	1	Rte_Call_Sa_MtrDrvDiag_FetFlt2Clk_OP_SET	1	~
GateDrvWaitTime	1	GateDrvWaitTime	1	~
Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32	1	Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32	1	V
Rte_Call_Sa_MtrDrvDiag_SystemTime_DtrmnElapsedTime_uS_u16	255	Rte_Call_Sa_MtrDrvDiag_SystemTime_DtrmnElapsedTime_uS_u16	255	V
Rte_Call_Sa_MtrDrvDiag_FetFlt1Data_OP_GET Rte Call Sa MtrDrvDiag FetFlt2Clk OP SET	1	Rte_Call_Sa_MtrDrvDiag_FetFlt1Data_OP_GET Rte Call Sa MtrDrvDiag FetFlt2Clk OP SET	1	Ž
GateDryWaitTime	1	GateDrvWaitTime	1	~
Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32	1	Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32	1	
Rte Call Sa MtrDrvDiag SystemTime DtrmnElapsedTime uS u16	1	Rte_Call_Sa_MtrDrvDiag_SystemTime_DtrmnElapsedTime_uS_u16	1	•
Rte_Call_Sa_MtrDrvDiag_FetFlt2Clk_OP_SET	1	Rte_Call_Sa_MtrDrvDiag_FetFlt2Clk_OP_SET	1	-
GateDrvWaitTime	1	GateDrvWaitTime	1	~
Rte Call Sa MtrDrvDiag SystemTime GetSystemTime uS u32	1	Rte Call Sa MtrDrvDiag SystemTime GetSystemTime uS u32	1	-
Rte_Call_Sa_MtrDrvDiag_SystemTime_DtrmnElapsedTime_uS_u16	255	Rte_Call_Sa_MtrDrvDiag_SystemTime_DtrmnElapsedTime_uS_u16	255	~
Rte_Call_Sa_MtrDrvDiag_FetFlt1Data_OP_GET	1	Rte_Call_Sa_MtrDrvDiag_FetFlt1Data_OP_GET	1	-
Rte_Call_Sa_MtrDrvDiag_FetFlt2Clk_OP_SET	1	Rte_Call_Sa_MtrDrvDiag_FetFlt2Clk_OP_SET	1	~
GateDrvWaitTime	1	GateDrvWaitTime	1	~
Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32	1	Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32	1	~
Rte_Call_Sa_MtrDrvDiag_SystemTime_DtrmnElapsedTime_uS_u16	1	Rte_Call_Sa_MtrDrvDiag_SystemTime_DtrmnElapsedTime_uS_u16	1	•
Rte_Call_Sa_MtrDrvDiag_FetFlt2Clk_OP_SET	1	Rte_Call_Sa_MtrDrvDiag_FetFlt2Clk_OP_SET	1	•
GateDrvWaitTime	1	GateDrvWaitTime	1	~
Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32	1	Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32	1	•
Rte_Call_Sa_MtrDrvDiag_SystemTime_DtrmnElapsedTime_uS_u16	255	Rte_Call_Sa_MtrDrvDiag_SystemTime_DtrmnElapsedTime_uS_u16	255	~
Rte_Call_Sa_MtrDrvDiag_FetFlt1Data_OP_GET	1	Rte_Call_Sa_MtrDrvDiag_FetFlt1Data_OP_GET	1	V
Rte_Call_Sa_MtrDrvDiag_FetFlt2Clk_OP_SET	1	Rte_Call_Sa_MtrDrvDiag_FetFlt2Clk_OP_SET	1	~
GateDryWaitTime	1	GateDrvWaitTime	1	•
Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32	1	Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32	1	•
Rte_Call_Sa_MtrDrvDiag_SystemTime_DtrmnElapsedTime_uS_u16 Rte_Call_Sa_MtrDrvDiag_FetFlt2Clk_OP_SET	1	Rte_Call_Sa_MtrDrvDiag_SystemTime_DtrmnElapsedTime_uS_u16 Rte_Call_Sa_MtrDrvDiag_FetFlt2Clk_OP_SET	1	*
	1		1	~
GateDrvWaitTime Pta Call Sa MtrDrvDiag SystemTime GetSystemTime US U32	1	GateDrvWaitTime Pta Call Sa MtrDrvDiag SystemTime GetSystemTime u.S u.32	1	
Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32 Rte_Call_Sa_MtrDrvDiag_SystemTime_DtrmnElapsedTime_uS_u16	255	Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32 Rte_Call_Sa_MtrDrvDiag_SystemTime_DtrmnElapsedTime_uS_u16	255	~
Rte_Call_Sa_MtrDrvDiag_FetFlt1Data_OP_GET	1	Rte_Call_Sa_MtrDrvDiag_FetFlt1Data_OP_GET	1	
Rte_Call_Sa_MtrDrvDiag_FetFlt2Clk_OP_SET	1	Rte_Call_Sa_MtrDrvDiag_FetFlt2Clk_OP_SET	1	•
GateDrvWaitTime	1	GateDrvWaitTime	1	,
Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32	1	Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32	1	~
,				

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Actual Function	Count	Expected Function	Count	Result
Rte_Call_Sa_MtrDrvDiag_FetFlt2Clk_OP_SET	1	Rte_Call_Sa_MtrDrvDiag_FetFlt2Clk_OP_SET	1	•
GateDrvWaitTime	1	GateDrvWaitTime	1	~
Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32	1	Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32	1	~
Rte_Call_Sa_MtrDrvDiag_SystemTime_DtrmnElapsedTime_uS_u16	255	Rte_Call_Sa_MtrDrvDiag_SystemTime_DtrmnElapsedTime_uS_u16	255	~
Rte_Call_Sa_MtrDrvDiag_FetFlt1Data_OP_GET	1	Rte_Call_Sa_MtrDrvDiag_FetFlt1Data_OP_GET	1	~
Rte_Call_Sa_MtrDrvDiag_FetFlt2Clk_OP_SET	1	Rte_Call_Sa_MtrDrvDiag_FetFlt2Clk_OP_SET	1	•
GateDrvWaitTime	1	GateDrvWaitTime	1	•
Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32	1	Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32	1	~
Rte_Call_Sa_MtrDrvDiag_SystemTime_DtrmnElapsedTime_uS_u16	1	Rte_Call_Sa_MtrDrvDiag_SystemTime_DtrmnElapsedTime_uS_u16	1	•
Rte_Call_Sa_MtrDrvDiag_FetFlt2Clk_OP_SET	1	Rte_Call_Sa_MtrDrvDiag_FetFlt2Clk_OP_SET	1	~
GateDrvWaitTime	1	GateDrvWaitTime	1	•
Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32	1	Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32	1	~
Rte_Call_Sa_MtrDrvDiag_SystemTime_DtrmnElapsedTime_uS_u16	255	Rte_Call_Sa_MtrDrvDiag_SystemTime_DtrmnElapsedTime_uS_u16	255	~
Rte_Call_Sa_MtrDrvDiag_FetFlt1Data_OP_GET	1	Rte_Call_Sa_MtrDrvDiag_FetFlt1Data_OP_GET	1	~
Rte_Call_Sa_MtrDrvDiag_FetFlt2Clk_OP_SET	1	Rte_Call_Sa_MtrDrvDiag_FetFlt2Clk_OP_SET	1	~
GateDrvWaitTime	1	GateDrvWaitTime	1	~
Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32	1	Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32	1	~
Rte_Call_Sa_MtrDrvDiag_SystemTime_DtrmnElapsedTime_uS_u16	1	Rte_Call_Sa_MtrDrvDiag_SystemTime_DtrmnElapsedTime_uS_u16	1	~
Rte_Call_Sa_MtrDrvDiag_IoHwAbPortConfig_SetFetFlt2ToOutput	1	Rte_Call_Sa_MtrDrvDiag_loHwAbPortConfig_SetFetFlt2ToOutput	1	~

Test Step 2.6 (Repeat Count = 1)			✓
Name	Input Value		
Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32(CurrentTime)	tgt_Rte_Call_Sa_MtrDrvDiag_System	Time_GetSystemTime_uS_u32_Curr	
StatusPtr_Cnt_T_b16	tgt_StatusPtr_Cnt_T_b16		
tgt_Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32_Curr	0		
tgt_StatusPtr_Cnt_T_b16	0		
Name	Actual Value	Expected Value	Result
ReadMtrDrvFltData()	0	0	~
SVDiag_FETFaultPhase_Cnt_M_enum	0	0	✓
SVDiag_FETFaultType_Cnt_M_enum	0	0	~
tgt StatusPtr Cnt T b16	1024	1024	✓

ReadMtrDrvFltData

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Actual Function		Expected Function		Result
Rte_Call_Sa_MtrDrvDiag_loHwAbPortConfig_SetFetFlt2ToOutput	1	Rte_Call_Sa_MtrDrvDiag_loHwAbPortConfig_SetFetFlt2ToOutput	1	~
Rte_Call_Sa_MtrDrvDiag_FetFlt2Clk_OP_SET	1	Rte_Call_Sa_MtrDrvDiag_FetFlt2Clk_OP_SET	1	V
GateDrvWaitTime	1	GateDrvWaitTime Pto Call So MtrDrvDiog SystemTime CatSystemTime u.S. u.22	1	-
Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32 Rte_Call_Sa_MtrDrvDiag_SystemTime_DtrmnElapsedTime_uS_u16	2	Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32 Rte_Call_Sa_MtrDrvDiag_SystemTime_DtrmnElapsedTime_uS_u16	2	J
Rte Call Sa MtrDrvDiag FetFlt1Data OP GET	1	Rte Call Sa MtrDrvDiag FetFlt1Data OP GET	1	
Rte_Call_Sa_MtrDrvDiag_FetFlt2Clk_OP_SET	1	Rte_Call_Sa_MtrDrvDiag_FetFlt2Clk_OP_SET	1	
GateDrvWaitTime	1	GateDrvWaitTime	1	-
Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32	1	Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32	1	-
Rte_Call_Sa_MtrDrvDiag_SystemTime_DtrmnElapsedTime_uS_u16	1	Rte_Call_Sa_MtrDrvDiag_SystemTime_DtrmnElapsedTime_uS_u16	1	•
Rte_Call_Sa_MtrDrvDiag_FetFlt2Clk_OP_SET	1	Rte_Call_Sa_MtrDrvDiag_FetFlt2Clk_OP_SET	1	-
GateDrvWaitTime	1	GateDrvWaitTime	1	-
Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32	1	Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32	1	-
Rte_Call_Sa_MtrDrvDiag_SystemTime_DtrmnElapsedTime_uS_u16	255	Rte_Call_Sa_MtrDrvDiag_SystemTime_DtrmnElapsedTime_uS_u16	255	•
Rte_Call_Sa_MtrDrvDiag_FetFlt1Data_OP_GET	1	Rte_Call_Sa_MtrDrvDiag_FetFlt1Data_OP_GET	1	-
Rte_Call_Sa_MtrDrvDiag_FetFlt2Clk_OP_SET	1	Rte_Call_Sa_MtrDrvDiag_FetFlt2Clk_OP_SET	1	•
GateDrvWaitTime	1	GateDrvWaitTime	1	•
Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32 Rte_Call_Sa_MtrDrvDiag_SystemTime_DtrmnElapsedTime_uS_u16	1	Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32	1	
Rte Call Sa MtrDrvDiag FetFlt2Clk OP SET	1	Rte_Call_Sa_MtrDrvDiag_SystemTime_DtrmnElapsedTime_uS_u16 Rte_Call_Sa_MtrDrvDiag_FetFlt2Clk_OP_SET	1	-
GateDrvWaitTime	1	GateDrvWaitTime	1	J
Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32	1	Rte Call Sa MtrDrvDiag SystemTime GetSystemTime uS u32	1	-
Rte_Call_Sa_MtrDrvDiag_SystemTime_DtrmnElapsedTime_uS_u16	255	Rte_Call_Sa_MtrDrvDiag_SystemTime_DtrmnElapsedTime_uS_u16	255	
Rte_Call_Sa_MtrDrvDiag_FetFlt1Data_OP_GET	1	Rte_Call_Sa_MtrDrvDiag_FetFlt1Data_OP_GET	1	•
Rte_Call_Sa_MtrDrvDiag_FetFlt2Clk_OP_SET	1	Rte_Call_Sa_MtrDrvDiag_FetFlt2Clk_OP_SET	1	~
GateDrvWaitTime	1	GateDrvWaitTime	1	-
Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32	1	Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32	1	-
Rte_Call_Sa_MtrDrvDiag_SystemTime_DtrmnElapsedTime_uS_u16	1	Rte_Call_Sa_MtrDrvDiag_SystemTime_DtrmnElapsedTime_uS_u16	1	•
Rte_Call_Sa_MtrDrvDiag_FetFlt2Clk_OP_SET	1	Rte_Call_Sa_MtrDrvDiag_FetFlt2Clk_OP_SET	1	~
GateDrvWaitTime	1	GateDrvWaitTime	1	•
Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32	1	Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32	1	~
Rte_Call_Sa_MtrDrvDiag_SystemTime_DtrmnElapsedTime_uS_u16	255	Rte_Call_Sa_MtrDrvDiag_SystemTime_DtrmnElapsedTime_uS_u16	255	V
Rte_Call_Sa_MtrDrvDiag_FetFlt1Data_OP_GET	1	Rte_Call_Sa_MtrDrvDiag_FetFlt1Data_OP_GET	1	•
Rte_Call_Sa_MtrDrvDiag_FetFlt2Clk_OP_SET GateDrvWaitTime	1	Rte_Call_Sa_MtrDrvDiag_FetFlt2Clk_OP_SET GateDrvWaitTime	1	*
Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32	1	Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32	1	-
Rte_Call_Sa_MtrDrvDiag_SystemTime_DtrmnElapsedTime_uS_u16	1	Rte_Call_Sa_MtrDrvDiag_SystemTime_DtrmnElapsedTime_uS_u16	1	,
Rte_Call_Sa_MtrDrvDiag_FetFlt2Clk_OP_SET	1	Rte_Call_Sa_MtrDrvDiag_FetFlt2Clk_OP_SET	1	-
GateDrvWaitTime	1	GateDrvWaitTime	1	-
Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32	1	Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32	1	-
Rte_Call_Sa_MtrDrvDiag_SystemTime_DtrmnElapsedTime_uS_u16	255	Rte_Call_Sa_MtrDrvDiag_SystemTime_DtrmnElapsedTime_uS_u16	255	-
Rte_Call_Sa_MtrDrvDiag_FetFlt1Data_OP_GET	1	Rte_Call_Sa_MtrDrvDiag_FetFlt1Data_OP_GET	1	~
Rte_Call_Sa_MtrDrvDiag_FetFlt2Clk_OP_SET	1	Rte_Call_Sa_MtrDrvDiag_FetFlt2Clk_OP_SET	1	-
GateDrvWaitTime	1	GateDrvWaitTime	1	~
Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32	1	Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32	1	~
Rte_Call_Sa_MtrDrvDiag_SystemTime_DtrmnElapsedTime_uS_u16	1	Rte_Call_Sa_MtrDrvDiag_SystemTime_DtrmnElapsedTime_uS_u16	1	✓
Rte_Call_Sa_MtrDrvDiag_FetFlt2Clk_OP_SET	1	Rte_Call_Sa_MtrDrvDiag_FetFlt2Clk_OP_SET	1	*
GateDrvWaitTime	1	GateDrvWaitTime	1	V
Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32	1 255	Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32 Rte_Call_Sa_MtrDrvDiag_SystemTime_DtrmnElapsedTime_uS_u16	1 255	•
Rte_Call_Sa_MtrDrvDiag_SystemTime_DtrmnElapsedTime_uS_u16 Rte_Call_Sa_MtrDrvDiag_FetFlt1Data_OP_GET	1	Rte Call Sa MtrDrvDiag FetFlt1Data OP GET	1	· ·
Rte_Call_Sa_MtrDrvDiag_FetFlt2Clk_OP_SET	1	Rte_Call_Sa_MtrDrvDiag_FetFlt2Clk_OP_SET	1	•
GateDrvWaitTime	1	GateDryWaitTime	1	-
Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32	1	Rte Call Sa MtrDrvDiag SystemTime GetSystemTime uS u32	1	•
Rte_Call_Sa_MtrDrvDiag_SystemTime_DtrmnElapsedTime_uS_u16	1	Rte_Call_Sa_MtrDrvDiag_SystemTime_DtrmnElapsedTime_uS_u16	1	-
Rte_Call_Sa_MtrDrvDiag_FetFlt2Clk_OP_SET	1	Rte_Call_Sa_MtrDrvDiag_FetFlt2Clk_OP_SET	1	-
GateDrvWaitTime	1	GateDrvWaitTime	1	-
Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32	1	Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32	1	•
Rte_Call_Sa_MtrDrvDiag_SystemTime_DtrmnElapsedTime_uS_u16	255	Rte_Call_Sa_MtrDrvDiag_SystemTime_DtrmnElapsedTime_uS_u16	255	-
Rte_Call_Sa_MtrDrvDiag_FetFlt1Data_OP_GET	1	Rte_Call_Sa_MtrDrvDiag_FetFlt1Data_OP_GET	1	•
Rte_Call_Sa_MtrDrvDiag_FetFlt2Clk_OP_SET	1	Rte_Call_Sa_MtrDrvDiag_FetFlt2Clk_OP_SET	1	~
GateDrvWaitTime	1	GateDrvWaitTime	1	•
Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32	1	Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32	1	•
Rte_Call_Sa_MtrDrvDiag_SystemTime_DtrmnElapsedTime_uS_u16	1	Rte_Call_Sa_MtrDrvDiag_SystemTime_DtrmnElapsedTime_uS_u16	1	•
Rte_Call_Sa_MtrDrvDiag_FetFlt2Clk_OP_SET	1	Rte_Call_Sa_MtrDrvDiag_FetFlt2Clk_OP_SET	1	· ·
GateDrvWaitTime Pta Call Sa MtrDrvDian SystemTime GetSystemTime US U32	1	GateDrvWaitTime Pta Call Sa MtrDrvDiag SystemTime GatSystemTime us us	1	
Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32	1.1	Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32		
Rte Call Sa MtrDryDiag SystemTime DtrmpFlansedTime us u16	255	Rte Call Sa MtrDrvDiag SystemTime DtrmpFlansedTime uS u16	255	
Rte_Call_Sa_MtrDrvDiag_SystemTime_DtrmnElapsedTime_uS_u16 Rte_Call_Sa_MtrDrvDiag_FetFlt1Data_OP_GET	255 1	Rte_Call_Sa_MtrDrvDiag_SystemTime_DtrmnElapsedTime_uS_u16 Rte_Call_Sa_MtrDrvDiag_FetFlt1Data_OP_GET	255	
Rte_Call_Sa_MtrDrvDiag_FetFlt1Data_OP_GET	1	Rte_Call_Sa_MtrDrvDiag_FetFlt1Data_OP_GET		~
			1	~
Rte_Call_Sa_MtrDrvDiag_FetFlt1Data_OP_GET Rte_Call_Sa_MtrDrvDiag_FetFlt2Clk_OP_SET	1	Rte_Call_Sa_MtrDrvDiag_FetFlt1Data_OP_GET Rte_Call_Sa_MtrDrvDiag_FetFlt2Clk_OP_SET	1	\ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \

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Actual Function	Count	Expected Function	Count	Result
Rte_Call_Sa_MtrDrvDiag_FetFlt2Clk_OP_SET	1	Rte_Call_Sa_MtrDrvDiag_FetFlt2Clk_OP_SET	1	~
GateDrvWaitTime	1	GateDrvWaitTime	1	~
Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32	1	Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32	1	~
Rte_Call_Sa_MtrDrvDiag_SystemTime_DtrmnElapsedTime_uS_u16	255	Rte_Call_Sa_MtrDrvDiag_SystemTime_DtrmnElapsedTime_uS_u16	255	~
Rte_Call_Sa_MtrDrvDiag_FetFlt1Data_OP_GET	1	Rte_Call_Sa_MtrDrvDiag_FetFlt1Data_OP_GET	1	~
Rte_Call_Sa_MtrDrvDiag_FetFlt2Clk_OP_SET	1	Rte_Call_Sa_MtrDrvDiag_FetFlt2Clk_OP_SET	1	-
GateDrvWaitTime	1	GateDrvWaitTime	1	~
Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32	1	Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32	1	~
Rte_Call_Sa_MtrDrvDiag_SystemTime_DtrmnElapsedTime_uS_u16	1	Rte_Call_Sa_MtrDrvDiag_SystemTime_DtrmnElapsedTime_uS_u16	1	~
Rte_Call_Sa_MtrDrvDiag_FetFlt2Clk_OP_SET	1	Rte_Call_Sa_MtrDrvDiag_FetFlt2Clk_OP_SET	1	~
GateDrvWaitTime	1	GateDrvWaitTime	1	~
Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32	1	Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32	1	~
Rte_Call_Sa_MtrDrvDiag_SystemTime_DtrmnElapsedTime_uS_u16	255	Rte_Call_Sa_MtrDrvDiag_SystemTime_DtrmnElapsedTime_uS_u16	255	~
Rte_Call_Sa_MtrDrvDiag_FetFlt1Data_OP_GET	1	Rte_Call_Sa_MtrDrvDiag_FetFlt1Data_OP_GET	1	~
Rte_Call_Sa_MtrDrvDiag_FetFlt2Clk_OP_SET	1	Rte_Call_Sa_MtrDrvDiag_FetFlt2Clk_OP_SET	1	~
GateDrvWaitTime	1	GateDrvWaitTime	1	~
Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32	1	Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32	1	~
Rte_Call_Sa_MtrDrvDiag_SystemTime_DtrmnElapsedTime_uS_u16	1	Rte_Call_Sa_MtrDrvDiag_SystemTime_DtrmnElapsedTime_uS_u16	1	~
Rte_Call_Sa_MtrDrvDiag_IoHwAbPortConfig_SetFetFlt2ToOutput	1	Rte_Call_Sa_MtrDrvDiag_IoHwAbPortConfig_SetFetFlt2ToOutput	1	~

Test Step 2.7 (Repeat Count = 1)			✓
Name	Input Value		
Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32(CurrentTime)	tgt_Rte_Call_Sa_MtrDrvDiag_System	Time_GetSystemTime_uS_u32_Curr	
StatusPtr_Cnt_T_b16	tgt_StatusPtr_Cnt_T_b16		
tgt_Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32_Curr	4294967295		
tgt_StatusPtr_Cnt_T_b16	65535		
Name	Actual Value	Expected Value	Result
ReadMtrDrvFltData()	6	6	~
SVDiag_FETFaultPhase_Cnt_M_enum	3	3	~
SVDiag_FETFaultType_Cnt_M_enum	2	2	~
tgt StatusPtr Cnt T b16	1023	1023	✓

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Actual Function	Count	•		Result
Rte_Call_Sa_MtrDrvDiag_IoHwAbPortConfig_SetFetFlt2ToOutput	1	Rte_Call_Sa_MtrDrvDiag_IoHwAbPortConfig_SetFetFlt2ToOutput	1	~
Rte_Call_Sa_MtrDrvDiag_FetFlt2Clk_OP_SET	1	Rte_Call_Sa_MtrDrvDiag_FetFlt2Clk_OP_SET	1	•
GateDrvWaitTime	1	GateDrvWaitTime Rte Call Sa MtrDrvDiag SystemTime GetSystemTime uS u32	1	
Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32 Rte_Call_Sa_MtrDrvDiag_SystemTime_DtrmnElapsedTime_uS_u16	1	Rte_Call_Sa_MtrDrvDiag_SystemTime_detsystemTime_us_us2 Rte_Call_Sa_MtrDrvDiag_SystemTime_DtrmnElapsedTime_uS_u16	1	Ĭ
Rte_Call_Sa_MtrDrvDiag_FetFlt1Data_OP_GET	1	Rte_Call_Sa_MtrDrvDiag_FetFlt1Data_OP_GET	1	
Rte_Call_Sa_MtrDrvDiag_FetFlt2Clk_OP_SET	1	Rte_Call_Sa_MtrDrvDiag_FetFlt2Clk_OP_SET	1	j
GateDrvWaitTime	1	GateDryWaitTime	1	•
Rte Call Sa MtrDrvDiag SystemTime GetSystemTime uS u32	1	Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32	1	-
Rte_Call_Sa_MtrDrvDiag_SystemTime_DtrmnElapsedTime_uS_u16	1	Rte_Call_Sa_MtrDrvDiag_SystemTime_DtrmnElapsedTime_uS_u16	1	•
Rte_Call_Sa_MtrDrvDiag_FetFlt2Clk_OP_SET	1	Rte_Call_Sa_MtrDrvDiag_FetFlt2Clk_OP_SET	1	-
GateDrvWaitTime	1	GateDrvWaitTime	1	-
Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32	1	Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32	1	•
Rte_Call_Sa_MtrDrvDiag_SystemTime_DtrmnElapsedTime_uS_u16	255	Rte_Call_Sa_MtrDrvDiag_SystemTime_DtrmnElapsedTime_uS_u16	255	•
Rte_Call_Sa_MtrDrvDiag_FetFlt1Data_OP_GET	1	Rte_Call_Sa_MtrDrvDiag_FetFlt1Data_OP_GET	1	~
Rte_Call_Sa_MtrDrvDiag_FetFlt2Clk_OP_SET	1	Rte_Call_Sa_MtrDrvDiag_FetFlt2Clk_OP_SET	1	~
GateDrvWaitTime	1	GateDrvWaitTime	1	~
Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32	1	Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32	1	~
Rte_Call_Sa_MtrDrvDiag_SystemTime_DtrmnElapsedTime_uS_u16	1	Rte_Call_Sa_MtrDrvDiag_SystemTime_DtrmnElapsedTime_uS_u16	1	~
Rte_Call_Sa_MtrDrvDiag_FetFlt2Clk_OP_SET	1	Rte_Call_Sa_MtrDrvDiag_FetFlt2Clk_OP_SET	1	V
GateDrvWaitTime	1	GateDrvWaitTime	1	*
Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32		Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32		Ž
Rte_Call_Sa_MtrDrvDiag_SystemTime_DtrmnElapsedTime_uS_u16 Rte_Call_Sa_MtrDrvDiag_FetFlt1Data_OP_GET	255 1	Rte_Call_Sa_MtrDrvDiag_SystemTime_DtrmnElapsedTime_uS_u16 Rte_Call_Sa_MtrDrvDiag_FetFlt1Data_OP_GET	255 1	~
Rte Call Sa MtrDrvDiag FetFlt2Clk OP SET	1	Rte Call Sa MtrDrvDiag FetFlt2Clk OP SET	1	Ž
GateDrvWaitTime	1	GateDrvWaitTime	1	
Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32	1	Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32	1	-
Rte Call Sa MtrDrvDiag SystemTime DtrmnElapsedTime uS u16	1	Rte Call Sa MtrDrvDiag SystemTime DtrmnElapsedTime uS u16	1	-
Rte_Call_Sa_MtrDrvDiag_FetFlt2Clk_OP_SET	1	Rte_Call_Sa_MtrDrvDiag_FetFlt2Clk_OP_SET	1	-
GateDrvWaitTime	1	GateDrvWaitTime	1	~
Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32	1	Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32	1	~
Rte_Call_Sa_MtrDrvDiag_SystemTime_DtrmnElapsedTime_uS_u16	255	Rte_Call_Sa_MtrDrvDiag_SystemTime_DtrmnElapsedTime_uS_u16	255	-
Rte_Call_Sa_MtrDrvDiag_FetFlt1Data_OP_GET	1	Rte_Call_Sa_MtrDrvDiag_FetFlt1Data_OP_GET	1	•
Rte_Call_Sa_MtrDrvDiag_FetFlt2Clk_OP_SET	1	Rte_Call_Sa_MtrDrvDiag_FetFlt2Clk_OP_SET	1	~
GateDrvWaitTime	1	GateDrvWaitTime	1	~
Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32	1	Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32	1	~
Rte_Call_Sa_MtrDrvDiag_SystemTime_DtrmnElapsedTime_uS_u16	1	Rte_Call_Sa_MtrDrvDiag_SystemTime_DtrmnElapsedTime_uS_u16	1	~
Rte_Call_Sa_MtrDrvDiag_FetFlt2Clk_OP_SET	1	Rte_Call_Sa_MtrDrvDiag_FetFlt2Clk_OP_SET	1	~
GateDrvWaitTime	1	GateDrvWaitTime	1	~
Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32	1	Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32	1	V
Rte_Call_Sa_MtrDrvDiag_SystemTime_DtrmnElapsedTime_uS_u16	255	Rte_Call_Sa_MtrDrvDiag_SystemTime_DtrmnElapsedTime_uS_u16	255	V
Rte_Call_Sa_MtrDrvDiag_FetFlt1Data_OP_GET Rte Call Sa MtrDrvDiag FetFlt2Clk OP SET	1	Rte_Call_Sa_MtrDrvDiag_FetFlt1Data_OP_GET Rte Call Sa MtrDrvDiag FetFlt2Clk OP SET	1	Ž
GateDryWaitTime	1	GateDrvWaitTime	1	~
Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32	1	Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32	1	
Rte Call Sa MtrDrvDiag SystemTime DtrmnElapsedTime uS u16	1	Rte_Call_Sa_MtrDrvDiag_SystemTime_DtrmnElapsedTime_uS_u16	1	•
Rte_Call_Sa_MtrDrvDiag_FetFlt2Clk_OP_SET	1	Rte_Call_Sa_MtrDrvDiag_FetFlt2Clk_OP_SET	1	-
GateDrvWaitTime	1	GateDrvWaitTime	1	~
Rte Call Sa MtrDrvDiag SystemTime GetSystemTime uS u32	1	Rte Call Sa MtrDrvDiag SystemTime GetSystemTime uS u32	1	-
Rte_Call_Sa_MtrDrvDiag_SystemTime_DtrmnElapsedTime_uS_u16	255	Rte_Call_Sa_MtrDrvDiag_SystemTime_DtrmnElapsedTime_uS_u16	255	~
Rte_Call_Sa_MtrDrvDiag_FetFlt1Data_OP_GET	1	Rte_Call_Sa_MtrDrvDiag_FetFlt1Data_OP_GET	1	-
Rte_Call_Sa_MtrDrvDiag_FetFlt2Clk_OP_SET	1	Rte_Call_Sa_MtrDrvDiag_FetFlt2Clk_OP_SET	1	~
GateDrvWaitTime	1	GateDrvWaitTime	1	~
Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32	1	Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32	1	~
Rte_Call_Sa_MtrDrvDiag_SystemTime_DtrmnElapsedTime_uS_u16	1	Rte_Call_Sa_MtrDrvDiag_SystemTime_DtrmnElapsedTime_uS_u16	1	•
Rte_Call_Sa_MtrDrvDiag_FetFlt2Clk_OP_SET	1	Rte_Call_Sa_MtrDrvDiag_FetFlt2Clk_OP_SET	1	•
GateDrvWaitTime	1	GateDrvWaitTime	1	~
Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32	1	Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32	1	•
Rte_Call_Sa_MtrDrvDiag_SystemTime_DtrmnElapsedTime_uS_u16	255	Rte_Call_Sa_MtrDrvDiag_SystemTime_DtrmnElapsedTime_uS_u16	255	~
Rte_Call_Sa_MtrDrvDiag_FetFlt1Data_OP_GET	1	Rte_Call_Sa_MtrDrvDiag_FetFlt1Data_OP_GET	1	V
Rte_Call_Sa_MtrDrvDiag_FetFlt2Clk_OP_SET	1	Rte_Call_Sa_MtrDrvDiag_FetFlt2Clk_OP_SET	1	~
GateDryWaitTime	1	GateDrvWaitTime	1	•
Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32	1	Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32	1	•
Rte_Call_Sa_MtrDrvDiag_SystemTime_DtrmnElapsedTime_uS_u16 Rte_Call_Sa_MtrDrvDiag_FetFlt2Clk_OP_SET	1	Rte_Call_Sa_MtrDrvDiag_SystemTime_DtrmnElapsedTime_uS_u16 Rte_Call_Sa_MtrDrvDiag_FetFlt2Clk_OP_SET	1	*
	1		1	~
GateDrvWaitTime Pta Call Sa MtrDrvDiag SystemTime GetSystemTime US U32	1	GateDrvWaitTime Pta Call Sa MtrDrvDiag SystemTime GetSystemTime u.S u.32	1	
Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32 Rte_Call_Sa_MtrDrvDiag_SystemTime_DtrmnElapsedTime_uS_u16	255	Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32 Rte_Call_Sa_MtrDrvDiag_SystemTime_DtrmnElapsedTime_uS_u16	255	~
Rte_Call_Sa_MtrDrvDiag_FetFlt1Data_OP_GET	1	Rte_Call_Sa_MtrDrvDiag_FetFlt1Data_OP_GET	1	
Rte_Call_Sa_MtrDrvDiag_FetFlt2Clk_OP_SET	1	Rte_Call_Sa_MtrDrvDiag_FetFlt2Clk_OP_SET	1	•
GateDrvWaitTime	1	GateDrvWaitTime	1	,
Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32	1	Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32	1	~
,				

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Actual Function	Count	Expected Function	Count	Result
Rte_Call_Sa_MtrDrvDiag_FetFlt2Clk_OP_SET	1	Rte_Call_Sa_MtrDrvDiag_FetFlt2Clk_OP_SET	1	~
GateDrvWaitTime	1	GateDrvWaitTime	1	•
Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32	1	Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32	1	•
Rte_Call_Sa_MtrDrvDiag_SystemTime_DtrmnElapsedTime_uS_u16	255	Rte_Call_Sa_MtrDrvDiag_SystemTime_DtrmnElapsedTime_uS_u16	255	•
Rte_Call_Sa_MtrDrvDiag_FetFlt1Data_OP_GET	1	Rte_Call_Sa_MtrDrvDiag_FetFlt1Data_OP_GET	1	•
Rte_Call_Sa_MtrDrvDiag_FetFlt2Clk_OP_SET	1	Rte_Call_Sa_MtrDrvDiag_FetFlt2Clk_OP_SET	1	•
GateDrvWaitTime	1	GateDrvWaitTime	1	~
Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32	1	Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32	1	•
Rte_Call_Sa_MtrDrvDiag_SystemTime_DtrmnElapsedTime_uS_u16	1	Rte_Call_Sa_MtrDrvDiag_SystemTime_DtrmnElapsedTime_uS_u16	1	•
Rte_Call_Sa_MtrDrvDiag_FetFlt2Clk_OP_SET	1	Rte_Call_Sa_MtrDrvDiag_FetFlt2Clk_OP_SET	1	~
GateDrvWaitTime	1	GateDrvWaitTime	1	•
Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32	1	Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32	1	~
Rte_Call_Sa_MtrDrvDiag_SystemTime_DtrmnElapsedTime_uS_u16	255	Rte_Call_Sa_MtrDrvDiag_SystemTime_DtrmnElapsedTime_uS_u16	255	•
Rte_Call_Sa_MtrDrvDiag_FetFlt1Data_OP_GET	1	Rte_Call_Sa_MtrDrvDiag_FetFlt1Data_OP_GET	1	~
Rte_Call_Sa_MtrDrvDiag_FetFlt2Clk_OP_SET	1	Rte_Call_Sa_MtrDrvDiag_FetFlt2Clk_OP_SET	1	~
GateDrvWaitTime	1	GateDrvWaitTime	1	•
Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32	1	Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32	1	~
Rte_Call_Sa_MtrDrvDiag_SystemTime_DtrmnElapsedTime_uS_u16	1	Rte_Call_Sa_MtrDrvDiag_SystemTime_DtrmnElapsedTime_uS_u16	1	~
Rte_Call_Sa_MtrDrvDiag_IoHwAbPortConfig_SetFetFlt2ToOutput	1	Rte_Call_Sa_MtrDrvDiag_IoHwAbPortConfig_SetFetFlt2ToOutput	1	~

Test Case 3: Path Test

Specification

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

TC3.1 650867 Cycles TC3.2 655658 Cycles TC3.3 660158 Cycles TC3.4 664790 Cycles TC3.5 669419 Cycles

Description

Vector Description

TS3.1"
(0 = Status_Cnt_T_b16)=True"
TS3.2"(ClockBit_Cnt_T_u16 = 0 To D_NUMOFGDSTATUSBITS_CNT_U16 - 1)=True
(True = DataHigh_Cnt_T_lgc_Array(ClockBit_Cnt_T_u16))=True"
TS3.3(PHASEA = FETFaultPhase_Cnt_T_enum)=True
TS3.4(PHASEB = FETFaultPhase_Cnt_T_enum)=True
TS3.5"(PHASEA = FETFaultPhase_Cnt_T_enum)=False
(PHASEB = FETFaultPhase_Cnt_T_enum)=False"

Test Step 3.1 (Repeat Count = 1)			
Name	Input Value		
Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32(CurrentTime)	tgt_Rte_Call_Sa_MtrDrvDiag_Syst	emTime_GetSystemTime_uS_u32_Curr	
StatusPtr_Cnt_T_b16	tgt_StatusPtr_Cnt_T_b16		
tgt_Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32_Curr	5000		
tgt_StatusPtr_Cnt_T_b16	0		
Name	Actual Value	Expected Value	Result
ReadMtrDrvFltData()	0	0	•
SVDiag_FETFaultPhase_Cnt_M_enum	0	0	•
SVDiag_FETFaultType_Cnt_M_enum	0	0	•
tgt StatusPtr Cnt T b16	1024	1024	•

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Actual Function		Expected Function		Result
Rte_Call_Sa_MtrDrvDiag_loHwAbPortConfig_SetFetFlt2ToOutput	1	Rte_Call_Sa_MtrDrvDiag_loHwAbPortConfig_SetFetFlt2ToOutput	1	•
Rte_Call_Sa_MtrDrvDiag_FetFlt2Clk_OP_SET	1	Rte_Call_Sa_MtrDrvDiag_FetFlt2Clk_OP_SET	1	•
GateDrvWaitTime	1	GateDrvWaitTime	1	•
Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32	1	Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32	1	•
Rte_Call_Sa_MtrDrvDiag_SystemTime_DtrmnElapsedTime_uS_u16	1	Rte_Call_Sa_MtrDrvDiag_SystemTime_DtrmnElapsedTime_uS_u16	1	•
Rte_Call_Sa_MtrDrvDiag_FetFlt1Data_OP_GET	1	Rte_Call_Sa_MtrDrvDiag_FetFlt1Data_OP_GET	1	Ĭ
Rte_Call_Sa_MtrDrvDiag_FetFlt2Clk_OP_SET GateDrvWaitTime	1	Rte_Call_Sa_MtrDrvDiag_FetFlt2Clk_OP_SET GateDrvWaitTime	1	
Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32	1	Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32	1	J
Rte Call Sa MtrDrvDiag SystemTime DtrmnElapsedTime uS u16	1	Rte_Call_Sa_MtrDrvDiag_SystemTime_DtrmnElapsedTime_uS_u16	1	
Rte_Call_Sa_MtrDrvDiag_FetFlt2Clk_OP_SET	1	Rte_Call_Sa_MtrDrvDiag_FetFlt2Clk_OP_SET	1	
GateDrvWaitTime	1	GateDrvWaitTime	1	•
Rte Call Sa MtrDrvDiag SystemTime GetSystemTime uS u32	1	Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32	1	
Rte_Call_Sa_MtrDrvDiag_SystemTime_DtrmnElapsedTime_uS_u16	255	Rte_Call_Sa_MtrDrvDiag_SystemTime_DtrmnElapsedTime_uS_u16	255	
Rte_Call_Sa_MtrDrvDiag_FetFlt1Data_OP_GET	1	Rte_Call_Sa_MtrDrvDiag_FetFlt1Data_OP_GET	1	
Rte_Call_Sa_MtrDrvDiag_FetFlt2Clk_OP_SET	1	Rte_Call_Sa_MtrDrvDiag_FetFlt2Clk_OP_SET	1	•
GateDrvWaitTime	1	GateDrvWaitTime	1	-
Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32	1	Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32	1	•
Rte_Call_Sa_MtrDrvDiag_SystemTime_DtrmnElapsedTime_uS_u16	1	Rte_Call_Sa_MtrDrvDiag_SystemTime_DtrmnElapsedTime_uS_u16	1	-
Rte_Call_Sa_MtrDrvDiag_FetFlt2Clk_OP_SET	1	Rte_Call_Sa_MtrDrvDiag_FetFlt2Clk_OP_SET	1	•
GateDrvWaitTime	1	GateDrvWaitTime	1	-
Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32	1	Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32	1	•
Rte_Call_Sa_MtrDrvDiag_SystemTime_DtrmnElapsedTime_uS_u16	255	Rte_Call_Sa_MtrDrvDiag_SystemTime_DtrmnElapsedTime_uS_u16	255	•
Rte_Call_Sa_MtrDrvDiag_FetFlt1Data_OP_GET	1	Rte_Call_Sa_MtrDrvDiag_FetFlt1Data_OP_GET	1	•
Rte_Call_Sa_MtrDrvDiag_FetFlt2Clk_OP_SET	1	Rte_Call_Sa_MtrDrvDiag_FetFlt2Clk_OP_SET	1	•
GateDrvWaitTime	1	GateDrvWaitTime	1	•
Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32	1	Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32	1	-
Rte_Call_Sa_MtrDrvDiag_SystemTime_DtrmnElapsedTime_uS_u16	1	Rte_Call_Sa_MtrDrvDiag_SystemTime_DtrmnElapsedTime_uS_u16	1	•
Rte_Call_Sa_MtrDrvDiag_FetFlt2Clk_OP_SET	1	Rte_Call_Sa_MtrDrvDiag_FetFlt2Clk_OP_SET	1	~
GateDrvWaitTime	1	GateDrvWaitTime	1	•
Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32	1	Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32	1	•
Rte_Call_Sa_MtrDrvDiag_SystemTime_DtrmnElapsedTime_uS_u16	255	Rte_Call_Sa_MtrDrvDiag_SystemTime_DtrmnElapsedTime_uS_u16	255	•
Rte_Call_Sa_MtrDrvDiag_FetFlt1Data_OP_GET	1	Rte_Call_Sa_MtrDrvDiag_FetFlt1Data_OP_GET	1	•
Rte_Call_Sa_MtrDrvDiag_FetFlt2Clk_OP_SET	1	Rte_Call_Sa_MtrDrvDiag_FetFlt2Clk_OP_SET	1	
GateDrvWaitTime Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32	1	GateDrvWaitTime Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32	1	
Rte_Call_Sa_MtrDrvDiag_SystemTime_DtrmnElapsedTime_uS_u16	1	Rte_Call_Sa_MtrDrvDiag_SystemTime_DtrmnElapsedTime_uS_u16	1	
Rte_Call_Sa_MtrDrvDiag_FetFlt2Clk_OP_SET	1	Rte_Call_Sa_MtrDrvDiag_FetFlt2Clk_OP_SET	1	
GateDrvWaitTime	1	GateDrvWaitTime	1	
Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32	1	Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32	1	•
Rte_Call_Sa_MtrDrvDiag_SystemTime_DtrmnElapsedTime_uS_u16	255	Rte Call Sa MtrDrvDiag SystemTime DtrmnElapsedTime uS u16	255	
Rte_Call_Sa_MtrDrvDiag_FetFlt1Data_OP_GET	1	Rte Call Sa MtrDrvDiag FetFlt1Data OP GET	1	•
Rte_Call_Sa_MtrDrvDiag_FetFlt2Clk_OP_SET	1	Rte_Call_Sa_MtrDrvDiag_FetFlt2Clk_OP_SET	1	-
GateDrvWaitTime	1	GateDrvWaitTime	1	-
Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32	1	Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32	1	-
Rte_Call_Sa_MtrDrvDiag_SystemTime_DtrmnElapsedTime_uS_u16	1	Rte_Call_Sa_MtrDrvDiag_SystemTime_DtrmnElapsedTime_uS_u16	1	•
Rte_Call_Sa_MtrDrvDiag_FetFlt2Clk_OP_SET	1	Rte_Call_Sa_MtrDrvDiag_FetFlt2Clk_OP_SET	1	-
GateDrvWaitTime	1	GateDrvWaitTime	1	-
Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32	1	Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32	1	-
Rte_Call_Sa_MtrDrvDiag_SystemTime_DtrmnElapsedTime_uS_u16	255	Rte_Call_Sa_MtrDrvDiag_SystemTime_DtrmnElapsedTime_uS_u16	255	-
Rte_Call_Sa_MtrDrvDiag_FetFlt1Data_OP_GET	1	Rte_Call_Sa_MtrDrvDiag_FetFlt1Data_OP_GET	1	-
Rte_Call_Sa_MtrDrvDiag_FetFlt2Clk_OP_SET	1	Rte_Call_Sa_MtrDrvDiag_FetFlt2Clk_OP_SET	1	•
GateDrvWaitTime	1	GateDrvWaitTime	1	•
Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32	1	Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32	1	-
Rte_Call_Sa_MtrDrvDiag_SystemTime_DtrmnElapsedTime_uS_u16	1	Rte_Call_Sa_MtrDrvDiag_SystemTime_DtrmnElapsedTime_uS_u16	1	~
Rte_Call_Sa_MtrDrvDiag_FetFlt2Clk_OP_SET	1	Rte_Call_Sa_MtrDrvDiag_FetFlt2Clk_OP_SET	1	•
GateDrvWaitTime	1	GateDrvWaitTime	1	_
Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32	1	Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32	1	•
Rte_Call_Sa_MtrDrvDiag_SystemTime_DtrmnElapsedTime_uS_u16	255	Rte_Call_Sa_MtrDrvDiag_SystemTime_DtrmnElapsedTime_uS_u16	255	•
Rte_Call_Sa_MtrDrvDiag_FetFlt1Data_OP_GET	1	Rte_Call_Sa_MtrDrvDiag_FetFlt1Data_OP_GET	1	•
Rte_Call_Sa_MtrDrvDiag_FetFlt2Clk_OP_SET	1	Rte_Call_Sa_MtrDrvDiag_FetFlt2Clk_OP_SET	1	•
GateDrvWaitTime	1	GateDrvWaitTime Pto Call So MtrDrvDing SystemTime CotSystemTime us us use	1	•
Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32		Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32	1	•
Rte_Call_Sa_MtrDrvDiag_SystemTime_DtrmnElapsedTime_uS_u16	1	Rte_Call_Sa_MtrDrvDiag_SystemTime_DtrmnElapsedTime_uS_u16	1	•
Rte_Call_Sa_MtrDrvDiag_FetFlt2Clk_OP_SET	1	Rte_Call_Sa_MtrDrvDiag_FetFlt2Clk_OP_SET	1	•
GateDrvWaitTime Pto Call Sa MtrDrvDiag SystemTime GetSystemTime us us us 2	1	GateDrvWaitTime Pto Call Sa MtrDovDiag SystemTime CotSystemTime u.S. u.32	1	•
Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32	255	Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32 Rte_Call_Sa_MtrDrvDiag_SystemTime_DtrmnElapsedTime_uS_u16	255	
Rte_Call_Sa_MtrDrvDiag_SystemTime_DtrmnElapsedTime_uS_u16 Rte_Call_Sa_MtrDrvDiag_FetFlt1Data_OP_GET	1	Rte_Call_Sa_MtrDrvDiag_SystemTime_DtrmnElapsedTime_us_u16 Rte_Call_Sa_MtrDrvDiag_FetFlt1Data_OP_GET	1	
Rte_Call_Sa_MtrDrvDiag_FetFlt2Clk_OP_SET	1	Rte_Call_Sa_MtrDrvDiag_FetFit1Data_OP_GE1 Rte_Call_Sa_MtrDrvDiag_FetFlt2Clk_OP_SET	1	
	1	GateDrvWaitTime	1	
GateDryWaitTime				. •
GateDrvWaitTime Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32	1	Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32	1	•

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Actual Function	Count	Expected Function	Count	Result
Rte_Call_Sa_MtrDrvDiag_FetFlt2Clk_OP_SET	1	Rte_Call_Sa_MtrDrvDiag_FetFlt2Clk_OP_SET	1	~
GateDrvWaitTime	1	GateDrvWaitTime	1	~
Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32	1	Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32	1	~
Rte_Call_Sa_MtrDrvDiag_SystemTime_DtrmnElapsedTime_uS_u16	255	Rte_Call_Sa_MtrDrvDiag_SystemTime_DtrmnElapsedTime_uS_u16	255	•
Rte_Call_Sa_MtrDrvDiag_FetFlt1Data_OP_GET	1	Rte_Call_Sa_MtrDrvDiag_FetFlt1Data_OP_GET	1	~
Rte_Call_Sa_MtrDrvDiag_FetFlt2Clk_OP_SET	1	Rte_Call_Sa_MtrDrvDiag_FetFlt2Clk_OP_SET	1	•
GateDrvWaitTime	1	GateDrvWaitTime	1	~
Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32	1	Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32	1	~
Rte_Call_Sa_MtrDrvDiag_SystemTime_DtrmnElapsedTime_uS_u16	1	Rte_Call_Sa_MtrDrvDiag_SystemTime_DtrmnElapsedTime_uS_u16	1	•
Rte_Call_Sa_MtrDrvDiag_FetFlt2Clk_OP_SET	1	Rte_Call_Sa_MtrDrvDiag_FetFlt2Clk_OP_SET	1	~
GateDrvWaitTime	1	GateDrvWaitTime	1	~
Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32	1	Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32	1	~
Rte_Call_Sa_MtrDrvDiag_SystemTime_DtrmnElapsedTime_uS_u16	255	Rte_Call_Sa_MtrDrvDiag_SystemTime_DtrmnElapsedTime_uS_u16	255	~
Rte_Call_Sa_MtrDrvDiag_FetFlt1Data_OP_GET	1	Rte_Call_Sa_MtrDrvDiag_FetFlt1Data_OP_GET	1	-
Rte_Call_Sa_MtrDrvDiag_FetFlt2Clk_OP_SET	1	Rte_Call_Sa_MtrDrvDiag_FetFlt2Clk_OP_SET	1	✓
GateDrvWaitTime	1	GateDrvWaitTime	1	~
Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32	1	Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32	1	•
Rte_Call_Sa_MtrDrvDiag_SystemTime_DtrmnElapsedTime_uS_u16	1	Rte_Call_Sa_MtrDrvDiag_SystemTime_DtrmnElapsedTime_uS_u16	1	~
Rte_Call_Sa_MtrDrvDiag_loHwAbPortConfig_SetFetFlt2ToOutput	1	Rte_Call_Sa_MtrDrvDiag_IoHwAbPortConfig_SetFetFlt2ToOutput	1	~

Test Step 3.2 (Repeat Count = 1)			✓
Name	Input Value		
Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32(CurrentTime)	tgt_Rte_Call_Sa_MtrDrvDiag_Syst	emTime_GetSystemTime_uS_u32_Curr	
StatusPtr_Cnt_T_b16	tgt_StatusPtr_Cnt_T_b16		
tgt_Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32_Curr	1000		
tgt_StatusPtr_Cnt_T_b16	65535		
Name	Actual Value	Expected Value	Result
ReadMtrDrvFltData()	6	6	~
SVDiag_FETFaultPhase_Cnt_M_enum	3	3	~
SVDiag_FETFaultType_Cnt_M_enum	2	2	~
tgt StatusPtr Cnt T b16	1023	1023	✓

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Actual Function		Expected Function		Result
Rte_Call_Sa_MtrDrvDiag_loHwAbPortConfig_SetFetFlt2ToOutput	1	Rte_Call_Sa_MtrDrvDiag_loHwAbPortConfig_SetFetFlt2ToOutput	1	•
Rte_Call_Sa_MtrDrvDiag_FetFlt2Clk_OP_SET	1	Rte_Call_Sa_MtrDrvDiag_FetFlt2Clk_OP_SET	1	•
GateDrvWaitTime	1	GateDrvWaitTime	1	•
Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32	1	Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32	1	•
Rte_Call_Sa_MtrDrvDiag_SystemTime_DtrmnElapsedTime_uS_u16	1	Rte_Call_Sa_MtrDrvDiag_SystemTime_DtrmnElapsedTime_uS_u16	1	•
Rte_Call_Sa_MtrDrvDiag_FetFlt1Data_OP_GET	1	Rte_Call_Sa_MtrDrvDiag_FetFlt1Data_OP_GET	1	Ĭ
Rte_Call_Sa_MtrDrvDiag_FetFlt2Clk_OP_SET GateDrvWaitTime	1	Rte_Call_Sa_MtrDrvDiag_FetFlt2Clk_OP_SET GateDrvWaitTime	1	
Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32	1	Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32	1	J
Rte Call Sa MtrDrvDiag SystemTime DtrmnElapsedTime uS u16	1	Rte_Call_Sa_MtrDrvDiag_SystemTime_DtrmnElapsedTime_uS_u16	1	
Rte_Call_Sa_MtrDrvDiag_FetFlt2Clk_OP_SET	1	Rte_Call_Sa_MtrDrvDiag_FetFlt2Clk_OP_SET	1	
GateDrvWaitTime	1	GateDrvWaitTime	1	•
Rte Call Sa MtrDrvDiag SystemTime GetSystemTime uS u32	1	Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32	1	
Rte_Call_Sa_MtrDrvDiag_SystemTime_DtrmnElapsedTime_uS_u16	255	Rte_Call_Sa_MtrDrvDiag_SystemTime_DtrmnElapsedTime_uS_u16	255	
Rte_Call_Sa_MtrDrvDiag_FetFlt1Data_OP_GET	1	Rte_Call_Sa_MtrDrvDiag_FetFlt1Data_OP_GET	1	
Rte_Call_Sa_MtrDrvDiag_FetFlt2Clk_OP_SET	1	Rte_Call_Sa_MtrDrvDiag_FetFlt2Clk_OP_SET	1	•
GateDrvWaitTime	1	GateDrvWaitTime	1	-
Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32	1	Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32	1	•
Rte_Call_Sa_MtrDrvDiag_SystemTime_DtrmnElapsedTime_uS_u16	1	Rte_Call_Sa_MtrDrvDiag_SystemTime_DtrmnElapsedTime_uS_u16	1	-
Rte_Call_Sa_MtrDrvDiag_FetFlt2Clk_OP_SET	1	Rte_Call_Sa_MtrDrvDiag_FetFlt2Clk_OP_SET	1	•
GateDrvWaitTime	1	GateDrvWaitTime	1	-
Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32	1	Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32	1	•
Rte_Call_Sa_MtrDrvDiag_SystemTime_DtrmnElapsedTime_uS_u16	255	Rte_Call_Sa_MtrDrvDiag_SystemTime_DtrmnElapsedTime_uS_u16	255	•
Rte_Call_Sa_MtrDrvDiag_FetFlt1Data_OP_GET	1	Rte_Call_Sa_MtrDrvDiag_FetFlt1Data_OP_GET	1	•
Rte_Call_Sa_MtrDrvDiag_FetFlt2Clk_OP_SET	1	Rte_Call_Sa_MtrDrvDiag_FetFlt2Clk_OP_SET	1	•
GateDrvWaitTime	1	GateDrvWaitTime	1	•
Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32	1	Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32	1	-
Rte_Call_Sa_MtrDrvDiag_SystemTime_DtrmnElapsedTime_uS_u16	1	Rte_Call_Sa_MtrDrvDiag_SystemTime_DtrmnElapsedTime_uS_u16	1	•
Rte_Call_Sa_MtrDrvDiag_FetFlt2Clk_OP_SET	1	Rte_Call_Sa_MtrDrvDiag_FetFlt2Clk_OP_SET	1	~
GateDrvWaitTime	1	GateDrvWaitTime	1	•
Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32	1	Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32	1	•
Rte_Call_Sa_MtrDrvDiag_SystemTime_DtrmnElapsedTime_uS_u16	255	Rte_Call_Sa_MtrDrvDiag_SystemTime_DtrmnElapsedTime_uS_u16	255	•
Rte_Call_Sa_MtrDrvDiag_FetFlt1Data_OP_GET	1	Rte_Call_Sa_MtrDrvDiag_FetFlt1Data_OP_GET	1	•
Rte_Call_Sa_MtrDrvDiag_FetFlt2Clk_OP_SET	1	Rte_Call_Sa_MtrDrvDiag_FetFlt2Clk_OP_SET	1	
GateDrvWaitTime Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32	1	GateDrvWaitTime Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32	1	
Rte_Call_Sa_MtrDrvDiag_SystemTime_DtrmnElapsedTime_uS_u16	1	Rte_Call_Sa_MtrDrvDiag_SystemTime_DtrmnElapsedTime_uS_u16	1	
Rte_Call_Sa_MtrDrvDiag_FetFlt2Clk_OP_SET	1	Rte_Call_Sa_MtrDrvDiag_FetFlt2Clk_OP_SET	1	
GateDrvWaitTime	1	GateDrvWaitTime	1	
Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32	1	Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32	1	•
Rte_Call_Sa_MtrDrvDiag_SystemTime_DtrmnElapsedTime_uS_u16	255	Rte Call Sa MtrDrvDiag SystemTime DtrmnElapsedTime uS u16	255	
Rte_Call_Sa_MtrDrvDiag_FetFlt1Data_OP_GET	1	Rte Call Sa MtrDrvDiag FetFlt1Data OP GET	1	•
Rte_Call_Sa_MtrDrvDiag_FetFlt2Clk_OP_SET	1	Rte_Call_Sa_MtrDrvDiag_FetFlt2Clk_OP_SET	1	-
GateDrvWaitTime	1	GateDrvWaitTime	1	-
Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32	1	Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32	1	-
Rte_Call_Sa_MtrDrvDiag_SystemTime_DtrmnElapsedTime_uS_u16	1	Rte_Call_Sa_MtrDrvDiag_SystemTime_DtrmnElapsedTime_uS_u16	1	•
Rte_Call_Sa_MtrDrvDiag_FetFlt2Clk_OP_SET	1	Rte_Call_Sa_MtrDrvDiag_FetFlt2Clk_OP_SET	1	-
GateDrvWaitTime	1	GateDrvWaitTime	1	-
Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32	1	Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32	1	-
Rte_Call_Sa_MtrDrvDiag_SystemTime_DtrmnElapsedTime_uS_u16	255	Rte_Call_Sa_MtrDrvDiag_SystemTime_DtrmnElapsedTime_uS_u16	255	-
Rte_Call_Sa_MtrDrvDiag_FetFlt1Data_OP_GET	1	Rte_Call_Sa_MtrDrvDiag_FetFlt1Data_OP_GET	1	-
Rte_Call_Sa_MtrDrvDiag_FetFlt2Clk_OP_SET	1	Rte_Call_Sa_MtrDrvDiag_FetFlt2Clk_OP_SET	1	•
GateDrvWaitTime	1	GateDrvWaitTime	1	•
Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32	1	Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32	1	-
Rte_Call_Sa_MtrDrvDiag_SystemTime_DtrmnElapsedTime_uS_u16	1	Rte_Call_Sa_MtrDrvDiag_SystemTime_DtrmnElapsedTime_uS_u16	1	~
Rte_Call_Sa_MtrDrvDiag_FetFlt2Clk_OP_SET	1	Rte_Call_Sa_MtrDrvDiag_FetFlt2Clk_OP_SET	1	•
GateDrvWaitTime	1	GateDrvWaitTime	1	_
Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32	1	Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32	1	•
Rte_Call_Sa_MtrDrvDiag_SystemTime_DtrmnElapsedTime_uS_u16	255	Rte_Call_Sa_MtrDrvDiag_SystemTime_DtrmnElapsedTime_uS_u16	255	•
Rte_Call_Sa_MtrDrvDiag_FetFlt1Data_OP_GET	1	Rte_Call_Sa_MtrDrvDiag_FetFlt1Data_OP_GET	1	•
Rte_Call_Sa_MtrDrvDiag_FetFlt2Clk_OP_SET	1	Rte_Call_Sa_MtrDrvDiag_FetFlt2Clk_OP_SET	1	•
GateDrvWaitTime	1	GateDrvWaitTime Pto Call So MtrDrvDing SystemTime CotSystemTime us us use	1	•
Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32		Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32	1	•
Rte_Call_Sa_MtrDrvDiag_SystemTime_DtrmnElapsedTime_uS_u16	1	Rte_Call_Sa_MtrDrvDiag_SystemTime_DtrmnElapsedTime_uS_u16	1	•
Rte_Call_Sa_MtrDrvDiag_FetFlt2Clk_OP_SET	1	Rte_Call_Sa_MtrDrvDiag_FetFlt2Clk_OP_SET	1	•
GateDrvWaitTime Pto Call Sa MtrDrvDiag SystemTime GetSystemTime us us us 2	1	GateDrvWaitTime Pto Call Sa MtrDovDiag SystemTime CotSystemTime u.S. u.32	1	•
Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32	255	Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32 Rte_Call_Sa_MtrDrvDiag_SystemTime_DtrmnElapsedTime_uS_u16	255	
Rte_Call_Sa_MtrDrvDiag_SystemTime_DtrmnElapsedTime_uS_u16 Rte_Call_Sa_MtrDrvDiag_FetFlt1Data_OP_GET	1	Rte_Call_Sa_MtrDrvDiag_SystemTime_DtrmnElapsedTime_us_u16 Rte_Call_Sa_MtrDrvDiag_FetFlt1Data_OP_GET	1	
Rte_Call_Sa_MtrDrvDiag_FetFlt2Clk_OP_SET	1	Rte_Call_Sa_MtrDrvDiag_FetFit1Data_OP_GE1 Rte_Call_Sa_MtrDrvDiag_FetFlt2Clk_OP_SET	1	
	1	GateDrvWaitTime	1	
GateDryWaitTime				. •
GateDrvWaitTime Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32	1	Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32	1	•

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Actual Function	Count	Expected Function	Count	Result
Rte_Call_Sa_MtrDrvDiag_FetFlt2Clk_OP_SET	1	Rte_Call_Sa_MtrDrvDiag_FetFlt2Clk_OP_SET	1	•
GateDrvWaitTime	1	GateDrvWaitTime	1	~
Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32	1	Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32	1	~
Rte_Call_Sa_MtrDrvDiag_SystemTime_DtrmnElapsedTime_uS_u16	255	Rte_Call_Sa_MtrDrvDiag_SystemTime_DtrmnElapsedTime_uS_u16	255	~
Rte_Call_Sa_MtrDrvDiag_FetFlt1Data_OP_GET	1	Rte_Call_Sa_MtrDrvDiag_FetFlt1Data_OP_GET	1	~
Rte_Call_Sa_MtrDrvDiag_FetFlt2Clk_OP_SET	1	Rte_Call_Sa_MtrDrvDiag_FetFlt2Clk_OP_SET	1	•
GateDrvWaitTime	1	GateDrvWaitTime	1	•
Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32	1	Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32	1	~
Rte_Call_Sa_MtrDrvDiag_SystemTime_DtrmnElapsedTime_uS_u16	1	Rte_Call_Sa_MtrDrvDiag_SystemTime_DtrmnElapsedTime_uS_u16	1	•
Rte_Call_Sa_MtrDrvDiag_FetFlt2Clk_OP_SET	1	Rte_Call_Sa_MtrDrvDiag_FetFlt2Clk_OP_SET	1	~
GateDrvWaitTime	1	GateDrvWaitTime	1	•
Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32	1	Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32	1	~
Rte_Call_Sa_MtrDrvDiag_SystemTime_DtrmnElapsedTime_uS_u16	255	Rte_Call_Sa_MtrDrvDiag_SystemTime_DtrmnElapsedTime_uS_u16	255	~
Rte_Call_Sa_MtrDrvDiag_FetFlt1Data_OP_GET	1	Rte_Call_Sa_MtrDrvDiag_FetFlt1Data_OP_GET	1	~
Rte_Call_Sa_MtrDrvDiag_FetFlt2Clk_OP_SET	1	Rte_Call_Sa_MtrDrvDiag_FetFlt2Clk_OP_SET	1	~
GateDrvWaitTime	1	GateDrvWaitTime	1	~
Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32	1	Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32	1	~
Rte_Call_Sa_MtrDrvDiag_SystemTime_DtrmnElapsedTime_uS_u16	1	Rte_Call_Sa_MtrDrvDiag_SystemTime_DtrmnElapsedTime_uS_u16	1	~
Rte_Call_Sa_MtrDrvDiag_IoHwAbPortConfig_SetFetFlt2ToOutput	1	Rte_Call_Sa_MtrDrvDiag_loHwAbPortConfig_SetFetFlt2ToOutput	1	~

Test Step 3.3 (Repeat Count = 1)			✓
Name	Input Value		
Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32(CurrentTime)	tgt_Rte_Call_Sa_MtrDrvDiag_Systen	nTime_GetSystemTime_uS_u32_Curr	
StatusPtr_Cnt_T_b16	tgt_StatusPtr_Cnt_T_b16		
tgt_Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32_Curr	2000		
tgt_StatusPtr_Cnt_T_b16	5000		
Name	Actual Value	Expected Value	Result
ReadMtrDrvFltData()	1	1	~
SVDiag_FETFaultPhase_Cnt_M_enum	1	1	~
SVDiag_FETFaultType_Cnt_M_enum	1	1	~
tgt StatusPtr Cnt T b16	1	1	✓

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Actual Function		Expected Function		Result
Rte_Call_Sa_MtrDrvDiag_loHwAbPortConfig_SetFetFlt2ToOutput	1	Rte_Call_Sa_MtrDrvDiag_IoHwAbPortConfig_SetFetFlt2ToOutput	1	_
Rte_Call_Sa_MtrDrvDiag_FetFlt2Clk_OP_SET GateDrvWaitTime	1	Rte_Call_Sa_MtrDrvDiag_FetFlt2Clk_OP_SET GateDrvWaitTime	1	· ·
Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32	1	Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32	1	
Rte_Call_Sa_MtrDrvDiag_SystemTime_DtrmnElapsedTime_uS_u16	1	Rte_Call_Sa_MtrDrvDiag_SystemTime_DtrmnElapsedTime_uS_u16	1	-
Rte Call Sa MtrDrvDiag FetFlt1Data OP GET	1	Rte_Call_Sa_MtrDrvDiag_FetFlt1Data_OP_GET	1	•
Rte_Call_Sa_MtrDrvDiag_FetFlt2Clk_OP_SET	1	Rte_Call_Sa_MtrDrvDiag_FetFlt2Clk_OP_SET	1	-
GateDrvWaitTime	1	GateDrvWaitTime	1	~
Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32	1	Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32	1	•
Rte_Call_Sa_MtrDrvDiag_SystemTime_DtrmnElapsedTime_uS_u16	1	Rte_Call_Sa_MtrDrvDiag_SystemTime_DtrmnElapsedTime_uS_u16	1	~
Rte_Call_Sa_MtrDrvDiag_FetFlt2Clk_OP_SET	1	Rte_Call_Sa_MtrDrvDiag_FetFlt2Clk_OP_SET	1	~
GateDrvWaitTime	1	GateDrvWaitTime	1	~
Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32	1	Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32	1	~
Rte_Call_Sa_MtrDrvDiag_SystemTime_DtrmnElapsedTime_uS_u16	255	Rte_Call_Sa_MtrDrvDiag_SystemTime_DtrmnElapsedTime_uS_u16	255	V
Rte_Call_Sa_MtrDrvDiag_FetFlt1Data_OP_GET	1	Rte_Call_Sa_MtrDrvDiag_FetFlt1Data_OP_GET	1	~
Rte_Call_Sa_MtrDrvDiag_FetFlt2Clk_OP_SET GateDrvWaitTime	1	Rte_Call_Sa_MtrDrvDiag_FetFlt2Clk_OP_SET GateDrvWaitTime	1	Y
Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32	1	Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32	1	~
Rte_Call_Sa_MtrDrvDiag_SystemTime_DtrmnElapsedTime_uS_u16	1	Rte Call Sa MtrDrvDiag SystemTime_detSystemTime_us_us2	1	
Rte Call Sa MtrDrvDiag FetFlt2Clk OP SET	1	Rte Call Sa MtrDrvDiag FetFlt2Clk OP SET	1	-
GateDrvWaitTime	1	GateDryWaitTime	1	
Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32	1	Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32	1	•
Rte_Call_Sa_MtrDrvDiag_SystemTime_DtrmnElapsedTime_uS_u16	255	Rte_Call_Sa_MtrDrvDiag_SystemTime_DtrmnElapsedTime_uS_u16	255	-
Rte_Call_Sa_MtrDrvDiag_FetFlt1Data_OP_GET	1	Rte_Call_Sa_MtrDrvDiag_FetFlt1Data_OP_GET	1	-
Rte_Call_Sa_MtrDrvDiag_FetFlt2Clk_OP_SET	1	Rte_Call_Sa_MtrDrvDiag_FetFlt2Clk_OP_SET	1	-
GateDrvWaitTime	1	GateDrvWaitTime	1	•
Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32	1	Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32	1	~
Rte_Call_Sa_MtrDrvDiag_SystemTime_DtrmnElapsedTime_uS_u16	1	Rte_Call_Sa_MtrDrvDiag_SystemTime_DtrmnElapsedTime_uS_u16	1	~
Rte_Call_Sa_MtrDrvDiag_FetFlt2Clk_OP_SET	1	Rte_Call_Sa_MtrDrvDiag_FetFlt2Clk_OP_SET	1	~
GateDrvWaitTime	1	GateDrvWaitTime	1	~
Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32	1	Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32	1	~
Rte_Call_Sa_MtrDrvDiag_SystemTime_DtrmnElapsedTime_uS_u16	255	Rte_Call_Sa_MtrDrvDiag_SystemTime_DtrmnElapsedTime_uS_u16	255	~
Rte_Call_Sa_MtrDrvDiag_FetFlt1Data_OP_GET	1	Rte_Call_Sa_MtrDrvDiag_FetFlt1Data_OP_GET	1	~
Rte_Call_Sa_MtrDrvDiag_FetFlt2Clk_OP_SET	1	Rte_Call_Sa_MtrDrvDiag_FetFlt2Clk_OP_SET	1	V
GateDrvWaitTime	1	GateDrvWaitTime	1	~
Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32 Rte_Call_Sa_MtrDrvDiag_SystemTime_DtrmnElapsedTime_uS_u16	1	Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32 Rte_Call_Sa_MtrDrvDiag_SystemTime_DtrmnElapsedTime_uS_u16	1	J
Rte_Call_Sa_MtrDrvDiag_FetFlt2Clk_OP_SET	1	Rte_Call_Sa_MtrDrvDiag_FetFlt2Clk_OP_SET	1	~
GateDrvWaitTime	1	GateDrvWaitTime	1	
Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32	1	Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32	1	~
Rte Call Sa MtrDrvDiag SystemTime DtrmnElapsedTime uS u16	255	Rte Call Sa MtrDrvDiag SystemTime DtrmnElapsedTime uS u16	255	-
Rte_Call_Sa_MtrDrvDiag_FetFlt1Data_OP_GET	1	Rte Call Sa MtrDrvDiag FetFlt1Data OP GET	1	•
Rte_Call_Sa_MtrDrvDiag_FetFlt2Clk_OP_SET	1	Rte_Call_Sa_MtrDrvDiag_FetFlt2Clk_OP_SET	1	~
GateDrvWaitTime	1	GateDrvWaitTime	1	~
Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32	1	Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32	1	~
Rte_Call_Sa_MtrDrvDiag_SystemTime_DtrmnElapsedTime_uS_u16	1	Rte_Call_Sa_MtrDrvDiag_SystemTime_DtrmnElapsedTime_uS_u16	1	~
Rte_Call_Sa_MtrDrvDiag_FetFlt2Clk_OP_SET	1	Rte_Call_Sa_MtrDrvDiag_FetFlt2Clk_OP_SET	1	~
GateDrvWaitTime	1	GateDrvWaitTime	1	~
Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32	1	Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32	1	~
Rte_Call_Sa_MtrDrvDiag_SystemTime_DtrmnElapsedTime_uS_u16	255	Rte_Call_Sa_MtrDrvDiag_SystemTime_DtrmnElapsedTime_uS_u16	255	~
Rte_Call_Sa_MtrDrvDiag_FetFlt1Data_OP_GET	1	Rte_Call_Sa_MtrDrvDiag_FetFlt1Data_OP_GET	1	~
Rte_Call_Sa_MtrDrvDiag_FetFlt2Clk_OP_SET	1	Rte_Call_Sa_MtrDrvDiag_FetFlt2Clk_OP_SET	1	~
GateDrvWaitTime	1	GateDrvWaitTime	1	~
Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32	1	Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32	1	V
Rte_Call_Sa_MtrDrvDiag_SystemTime_DtrmnElapsedTime_uS_u16	1	Rte_Call_Sa_MtrDrvDiag_SystemTime_DtrmnElapsedTime_uS_u16	1	V
Rte_Call_Sa_MtrDrvDiag_FetFlt2Clk_OP_SET GateDrvWaitTime	1	Rte_Call_Sa_MtrDrvDiag_FetFlt2Clk_OP_SET GateDrvWaitTime	1	V
Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32	1	Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32	1	~
Rte_Call_Sa_MtrDrvDiag_SystemTime_DtrmnElapsedTime_uS_u16	255	Rte_Call_Sa_MtrDrvDiag_SystemTime_detSystemTime_uS_u16	255	
Rte_Call_Sa_MtrDrvDiag_FetFlt1Data_OP_GET	1	Rte Call Sa MtrDrvDiag FetFlt1Data OP GET	1	~
Rte_Call_Sa_MtrDrvDiag_FetFlt2Clk_OP_SET	1	Rte_Call_Sa_MtrDrvDiag_FetFlt2Clk_OP_SET	1	-
GateDrvWaitTime	1	GateDrvWaitTime	1	✓
Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32	1	Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32	1	-
Rte_Call_Sa_MtrDrvDiag_SystemTime_DtrmnElapsedTime_uS_u16	1	Rte_Call_Sa_MtrDrvDiag_SystemTime_DtrmnElapsedTime_uS_u16	1	~
Rte_Call_Sa_MtrDrvDiag_FetFlt2Clk_OP_SET	1	Rte_Call_Sa_MtrDrvDiag_FetFlt2Clk_OP_SET	1	~
GateDrvWaitTime	1	GateDrvWaitTime	1	~
Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32	1	Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32	1	~
Rte_Call_Sa_MtrDrvDiag_SystemTime_DtrmnElapsedTime_uS_u16	255	Rte_Call_Sa_MtrDrvDiag_SystemTime_DtrmnElapsedTime_uS_u16	255	~
Rte_Call_Sa_MtrDrvDiag_FetFlt1Data_OP_GET	1	Rte_Call_Sa_MtrDrvDiag_FetFlt1Data_OP_GET	1	~
	1	Rte_Call_Sa_MtrDrvDiag_FetFlt2Clk_OP_SET	1	✓
Rte_Call_Sa_MtrDrvDiag_FetFlt2Clk_OP_SET				
Rte_Call_Sa_MtrDrvDiag_FetFlt2Clk_OP_SET GateDrvWaitTime Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32	1	GateDrvWaitTime Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32	1	✓

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Actual Function	Count	Expected Function	Count	Result
Rte_Call_Sa_MtrDrvDiag_FetFlt2Clk_OP_SET	1	Rte_Call_Sa_MtrDrvDiag_FetFlt2Clk_OP_SET	1	~
GateDrvWaitTime	1	GateDrvWaitTime	1	~
Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32	1	Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32	1	~
Rte_Call_Sa_MtrDrvDiag_SystemTime_DtrmnElapsedTime_uS_u16	255	Rte_Call_Sa_MtrDrvDiag_SystemTime_DtrmnElapsedTime_uS_u16	255	•
Rte_Call_Sa_MtrDrvDiag_FetFlt1Data_OP_GET	1	Rte_Call_Sa_MtrDrvDiag_FetFlt1Data_OP_GET	1	~
Rte_Call_Sa_MtrDrvDiag_FetFlt2Clk_OP_SET	1	Rte_Call_Sa_MtrDrvDiag_FetFlt2Clk_OP_SET	1	•
GateDrvWaitTime	1	GateDrvWaitTime	1	~
Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32	1	Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32	1	~
Rte_Call_Sa_MtrDrvDiag_SystemTime_DtrmnElapsedTime_uS_u16	1	Rte_Call_Sa_MtrDrvDiag_SystemTime_DtrmnElapsedTime_uS_u16	1	•
Rte_Call_Sa_MtrDrvDiag_FetFlt2Clk_OP_SET	1	Rte_Call_Sa_MtrDrvDiag_FetFlt2Clk_OP_SET	1	~
GateDrvWaitTime	1	GateDrvWaitTime	1	~
Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32	1	Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32	1	~
Rte_Call_Sa_MtrDrvDiag_SystemTime_DtrmnElapsedTime_uS_u16	255	Rte_Call_Sa_MtrDrvDiag_SystemTime_DtrmnElapsedTime_uS_u16	255	~
Rte_Call_Sa_MtrDrvDiag_FetFlt1Data_OP_GET	1	Rte_Call_Sa_MtrDrvDiag_FetFlt1Data_OP_GET	1	-
Rte_Call_Sa_MtrDrvDiag_FetFlt2Clk_OP_SET	1	Rte_Call_Sa_MtrDrvDiag_FetFlt2Clk_OP_SET	1	✓
GateDrvWaitTime	1	GateDrvWaitTime	1	~
Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32	1	Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32	1	•
Rte_Call_Sa_MtrDrvDiag_SystemTime_DtrmnElapsedTime_uS_u16	1	Rte_Call_Sa_MtrDrvDiag_SystemTime_DtrmnElapsedTime_uS_u16	1	~
Rte_Call_Sa_MtrDrvDiag_loHwAbPortConfig_SetFetFlt2ToOutput	1	Rte_Call_Sa_MtrDrvDiag_IoHwAbPortConfig_SetFetFlt2ToOutput	1	~

Test Step 3.4 (Repeat Count = 1)			✓
Name	Input Value		
Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32(CurrentTime)	tgt_Rte_Call_Sa_MtrDrvDiag_Syste	mTime_GetSystemTime_uS_u32_Curr	
StatusPtr_Cnt_T_b16	tgt_StatusPtr_Cnt_T_b16		
tgt_Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32_Curr	2000		
tgt_StatusPtr_Cnt_T_b16	5000		
Name	Actual Value	Expected Value	Result
ReadMtrDrvFltData()	1	1	~
SVDiag_FETFaultPhase_Cnt_M_enum	2	2	~
SVDiag_FETFaultType_Cnt_M_enum	1	1	~
tgt StatusPtr Cnt T b16	2	2	✓

ReadMtrDrvFltData

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Actual Function		Expected Function		Result
Rte_Call_Sa_MtrDrvDiag_loHwAbPortConfig_SetFetFlt2ToOutput	1	Rte_Call_Sa_MtrDrvDiag_IoHwAbPortConfig_SetFetFlt2ToOutput	1	~
Rte_Call_Sa_MtrDrvDiag_FetFlt2Clk_OP_SET	1	Rte_Call_Sa_MtrDrvDiag_FetFlt2Clk_OP_SET	1	~
GateDrvWaitTime	1	GateDrvWaitTime	1	-
Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32 Rte_Call_Sa_MtrDrvDiag_SystemTime_DtrmnElapsedTime_uS_u16	1	Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32 Rte_Call_Sa_MtrDrvDiag_SystemTime_DtrmnElapsedTime_uS_u16	1	J
Rte Call Sa MtrDrvDiag FetFlt1Data OP GET	1	Rte Call Sa MtrDrvDiag FetFlt1Data OP GET	1	
Rte_Call_Sa_MtrDrvDiag_FetFlt2Clk_OP_SET	1	Rte_Call_Sa_MtrDrvDiag_FetFlt2Clk_OP_SET	1	
GateDrvWaitTime	1	GateDryWaitTime	1	-
Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32	1	Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32	1	-
Rte_Call_Sa_MtrDrvDiag_SystemTime_DtrmnElapsedTime_uS_u16	1	Rte_Call_Sa_MtrDrvDiag_SystemTime_DtrmnElapsedTime_uS_u16	1	•
Rte_Call_Sa_MtrDrvDiag_FetFlt2Clk_OP_SET	1	Rte_Call_Sa_MtrDrvDiag_FetFlt2Clk_OP_SET	1	-
GateDrvWaitTime	1	GateDrvWaitTime	1	•
Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32	1	Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32	1	-
Rte_Call_Sa_MtrDrvDiag_SystemTime_DtrmnElapsedTime_uS_u16	255	Rte_Call_Sa_MtrDrvDiag_SystemTime_DtrmnElapsedTime_uS_u16	255	•
Rte_Call_Sa_MtrDrvDiag_FetFlt1Data_OP_GET	1	Rte_Call_Sa_MtrDrvDiag_FetFlt1Data_OP_GET	1	~
Rte_Call_Sa_MtrDrvDiag_FetFlt2Clk_OP_SET	1	Rte_Call_Sa_MtrDrvDiag_FetFlt2Clk_OP_SET	1	•
GateDrvWaitTime	1	GateDrvWaitTime	1	•
Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32	1	Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32	1	•
Rte_Call_Sa_MtrDrvDiag_SystemTime_DtrmnElapsedTime_uS_u16	1	Rte_Call_Sa_MtrDrvDiag_SystemTime_DtrmnElapsedTime_uS_u16	1	•
Rte_Call_Sa_MtrDrvDiag_FetFlt2Clk_OP_SET GateDrvWaitTime	1	Rte_Call_Sa_MtrDrvDiag_FetFlt2Clk_OP_SET GateDrvWaitTime	1	J
Rte Call Sa MtrDrvDiag SystemTime GetSystemTime uS u32	1	Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32	1	
Rte_Call_Sa_MtrDrvDiag_SystemTime_Us_us_us_us_us_us_us_us_us_us_us_us_us_us	255	Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32 Rte_Call_Sa_MtrDrvDiag_SystemTime_DtrmnElapsedTime_uS_u16	255	
Rte_Call_Sa_MtrDrvDiag_FetFlt1Data_OP_GET	1	Rte_Call_Sa_MtrDrvDiag_FetFlt1Data_OP_GET	1	
Rte_Call_Sa_MtrDrvDiag_FetFlt2Clk_OP_SET	1	Rte_Call_Sa_MtrDrvDiag_FetFlt2Clk_OP_SET	1	
GateDrvWaitTime	1	GateDrvWaitTime	1	-
Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32	1	Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32	1	-
Rte_Call_Sa_MtrDrvDiag_SystemTime_DtrmnElapsedTime_uS_u16	1	Rte_Call_Sa_MtrDrvDiag_SystemTime_DtrmnElapsedTime_uS_u16	1	-
Rte_Call_Sa_MtrDrvDiag_FetFlt2Clk_OP_SET	1	Rte_Call_Sa_MtrDrvDiag_FetFlt2Clk_OP_SET	1	-
GateDrvWaitTime	1	GateDrvWaitTime	1	•
Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32	1	Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32	1	~
Rte_Call_Sa_MtrDrvDiag_SystemTime_DtrmnElapsedTime_uS_u16	255	Rte_Call_Sa_MtrDrvDiag_SystemTime_DtrmnElapsedTime_uS_u16	255	•
Rte_Call_Sa_MtrDrvDiag_FetFlt1Data_OP_GET	1	Rte_Call_Sa_MtrDrvDiag_FetFlt1Data_OP_GET	1	~
Rte_Call_Sa_MtrDrvDiag_FetFlt2Clk_OP_SET	1	Rte_Call_Sa_MtrDrvDiag_FetFlt2Clk_OP_SET	1	•
GateDrvWaitTime	1	GateDrvWaitTime	1	V
Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32	1	Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32	1	*
Rte_Call_Sa_MtrDrvDiag_SystemTime_DtrmnElapsedTime_uS_u16 Rte Call Sa MtrDrvDiag FetFlt2Clk OP SET	1	Rte_Call_Sa_MtrDrvDiag_SystemTime_DtrmnElapsedTime_uS_u16 Rte_Call_Sa_MtrDrvDiag_FetFlt2Clk_OP_SET	1	-
GateDrvWaitTime	1	GateDrvWaitTime	1	J
Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32	1	Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32	1	•
Rte_Call_Sa_MtrDrvDiag_SystemTime_DtrmnElapsedTime_uS_u16	255	Rte_Call_Sa_MtrDrvDiag_SystemTime_DtrmnElapsedTime_uS_u16	255	
Rte Call Sa MtrDrvDiag FetFlt1Data OP GET	1	Rte Call Sa MtrDrvDiag FetFlt1Data OP GET	1	-
Rte_Call_Sa_MtrDrvDiag_FetFlt2Clk_OP_SET	1	Rte_Call_Sa_MtrDrvDiag_FetFlt2Clk_OP_SET	1	-
GateDrvWaitTime	1	GateDrvWaitTime	1	-
Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32	1	Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32	1	-
Rte_Call_Sa_MtrDrvDiag_SystemTime_DtrmnElapsedTime_uS_u16	1	Rte_Call_Sa_MtrDrvDiag_SystemTime_DtrmnElapsedTime_uS_u16	1	•
Rte_Call_Sa_MtrDrvDiag_FetFlt2Clk_OP_SET	1	Rte_Call_Sa_MtrDrvDiag_FetFlt2Clk_OP_SET	1	~
GateDrvWaitTime	1	GateDrvWaitTime	1	~
Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32	1	Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32	1	~
Rte_Call_Sa_MtrDrvDiag_SystemTime_DtrmnElapsedTime_uS_u16	255	Rte_Call_Sa_MtrDrvDiag_SystemTime_DtrmnElapsedTime_uS_u16	255	•
Rte_Call_Sa_MtrDrvDiag_FetFlt1Data_OP_GET	1	Rte_Call_Sa_MtrDrvDiag_FetFlt1Data_OP_GET	1	•
Rte_Call_Sa_MtrDrvDiag_FetFlt2Clk_OP_SET GateDrvWaitTime	1	Rte_Call_Sa_MtrDrvDiag_FetFlt2Clk_OP_SET GateDrvWaitTime	1	
Rte Call Sa MtrDrvDiag SystemTime GetSystemTime uS u32	1	Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32	1	-
Rte_Call_Sa_MtrDrvDiag_SystemTime_Us_us_us_us_us_us_us_us_us_us_us_us_us_us	1	Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32 Rte_Call_Sa_MtrDrvDiag_SystemTime_DtrmnElapsedTime_uS_u16	1	J
Rte_Call_Sa_MtrDrvDiag_FetFlt2Clk_OP_SET	1	Rte_Call_Sa_MtrDrvDiag_FetFlt2Clk_OP_SET	1	-
GateDrvWaitTime	1	GateDrvWaitTime	1	
Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32	1	Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32	1	•
Rte_Call_Sa_MtrDrvDiag_SystemTime_DtrmnElapsedTime_uS_u16	255	Rte_Call_Sa_MtrDrvDiag_SystemTime_DtrmnElapsedTime_uS_u16	255	
Rte_Call_Sa_MtrDrvDiag_FetFlt1Data_OP_GET	1	Rte_Call_Sa_MtrDrvDiag_FetFlt1Data_OP_GET	1	•
Rte_Call_Sa_MtrDrvDiag_FetFlt2Clk_OP_SET	1	Rte_Call_Sa_MtrDrvDiag_FetFlt2Clk_OP_SET	1	-
GateDrvWaitTime	1	GateDrvWaitTime	1	•
Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32	1	Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32	1	-
Rte_Call_Sa_MtrDrvDiag_SystemTime_DtrmnElapsedTime_uS_u16	1	Rte_Call_Sa_MtrDrvDiag_SystemTime_DtrmnElapsedTime_uS_u16	1	•
Rte_Call_Sa_MtrDrvDiag_FetFlt2Clk_OP_SET	1	Rte_Call_Sa_MtrDrvDiag_FetFlt2Clk_OP_SET	1	-
GateDrvWaitTime	1	GateDrvWaitTime	1	•
Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32	1	Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32	1	•
Rte_Call_Sa_MtrDrvDiag_SystemTime_DtrmnElapsedTime_uS_u16	255	Rte_Call_Sa_MtrDrvDiag_SystemTime_DtrmnElapsedTime_uS_u16	255	•
Rte_Call_Sa_MtrDrvDiag_FetFlt1Data_OP_GET	1	Rte_Call_Sa_MtrDrvDiag_FetFlt1Data_OP_GET	1	•
	1	Rte_Call_Sa_MtrDrvDiag_FetFlt2Clk_OP_SET	1	✓
Rte_Call_Sa_MtrDrvDiag_FetFlt2Clk_OP_SET				
Rte_Call_Sa_MtrDrvDiag_FetFlt2Clk_OP_SET GateDrvWaitTime Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32	1	GateDrvWaitTime Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32	1	-

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Actual Function	Count	Expected Function	Count	Result
Rte_Call_Sa_MtrDrvDiag_FetFlt2Clk_OP_SET	1	Rte_Call_Sa_MtrDrvDiag_FetFlt2Clk_OP_SET	1	~
GateDrvWaitTime	1	GateDrvWaitTime	1	~
Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32	1	Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32	1	✓
Rte_Call_Sa_MtrDrvDiag_SystemTime_DtrmnElapsedTime_uS_u16	255	Rte_Call_Sa_MtrDrvDiag_SystemTime_DtrmnElapsedTime_uS_u16	255	~
Rte_Call_Sa_MtrDrvDiag_FetFlt1Data_OP_GET	1	Rte_Call_Sa_MtrDrvDiag_FetFlt1Data_OP_GET	1	~
Rte_Call_Sa_MtrDrvDiag_FetFlt2Clk_OP_SET	1	Rte_Call_Sa_MtrDrvDiag_FetFlt2Clk_OP_SET	1	~
GateDrvWaitTime	1	GateDrvWaitTime	1	~
Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32	1	Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32	1	~
Rte_Call_Sa_MtrDrvDiag_SystemTime_DtrmnElapsedTime_uS_u16	1	Rte_Call_Sa_MtrDrvDiag_SystemTime_DtrmnElapsedTime_uS_u16	1	~
Rte_Call_Sa_MtrDrvDiag_FetFlt2Clk_OP_SET	1	Rte_Call_Sa_MtrDrvDiag_FetFlt2Clk_OP_SET	1	~
GateDrvWaitTime	1	GateDrvWaitTime	1	✓
Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32	1	Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32	1	~
Rte_Call_Sa_MtrDrvDiag_SystemTime_DtrmnElapsedTime_uS_u16	255	Rte_Call_Sa_MtrDrvDiag_SystemTime_DtrmnElapsedTime_uS_u16	255	~
Rte_Call_Sa_MtrDrvDiag_FetFlt1Data_OP_GET	1	Rte_Call_Sa_MtrDrvDiag_FetFlt1Data_OP_GET	1	~
Rte_Call_Sa_MtrDrvDiag_FetFlt2Clk_OP_SET	1	Rte_Call_Sa_MtrDrvDiag_FetFlt2Clk_OP_SET	1	~
GateDrvWaitTime	1	GateDrvWaitTime	1	~
Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32	1	Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32	1	✓
Rte_Call_Sa_MtrDrvDiag_SystemTime_DtrmnElapsedTime_uS_u16	1	Rte_Call_Sa_MtrDrvDiag_SystemTime_DtrmnElapsedTime_uS_u16	1	~
Rte_Call_Sa_MtrDrvDiag_loHwAbPortConfig_SetFetFlt2ToOutput	1	Rte_Call_Sa_MtrDrvDiag_IoHwAbPortConfig_SetFetFlt2ToOutput	1	~

Test Step 3.5 (Repeat Count = 1)			✓
Name	Input Value		
Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32(CurrentTime)	tgt_Rte_Call_Sa_MtrDrvDiag_System	Time_GetSystemTime_uS_u32_Curr	
StatusPtr_Cnt_T_b16	tgt_StatusPtr_Cnt_T_b16		
tgt_Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32_Curr	2000		
tgt_StatusPtr_Cnt_T_b16	5000		
Name	Actual Value	Expected Value	Result
ReadMtrDrvFltData()	1	1	~
SVDiag_FETFaultPhase_Cnt_M_enum	3	3	~
SVDiag_FETFaultType_Cnt_M_enum	1	1	~
tgt StatusPtr Cnt T b16	4	4	✓

ReadMtrDrvFltData

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Actual Function		Expected Function		Result
Rte_Call_Sa_MtrDrvDiag_loHwAbPortConfig_SetFetFlt2ToOutput	1	Rte_Call_Sa_MtrDrvDiag_IoHwAbPortConfig_SetFetFlt2ToOutput	1	~
Rte_Call_Sa_MtrDrvDiag_FetFlt2Clk_OP_SET GateDrvWaitTime	1	Rte_Call_Sa_MtrDrvDiag_FetFlt2Clk_OP_SET GateDrvWaitTime	1	Ž
Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32	1	Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32	1	-
Rte_Call_Sa_MtrDrvDiag_SystemTime_DtrmnElapsedTime_uS_u16	1	Rte_Call_Sa_MtrDrvDiag_SystemTime_DtrmnElapsedTime_uS_u16	1	-
Rte_Call_Sa_MtrDrvDiag_FetFlt1Data_OP_GET	1	Rte_Call_Sa_MtrDrvDiag_FetFlt1Data_OP_GET	1	•
Rte_Call_Sa_MtrDrvDiag_FetFlt2Clk_OP_SET	1	Rte_Call_Sa_MtrDrvDiag_FetFlt2Clk_OP_SET	1	~
GateDrvWaitTime	1	GateDrvWaitTime	1	~
Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32	1	Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32	1	~
Rte_Call_Sa_MtrDrvDiag_SystemTime_DtrmnElapsedTime_uS_u16	1	Rte_Call_Sa_MtrDrvDiag_SystemTime_DtrmnElapsedTime_uS_u16	1	~
Rte_Call_Sa_MtrDrvDiag_FetFlt2Clk_OP_SET	1	Rte_Call_Sa_MtrDrvDiag_FetFlt2Clk_OP_SET	1	~
GateDrvWaitTime	1	GateDrvWaitTime	1	~
Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32	1	Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32	1	~
Rte_Call_Sa_MtrDrvDiag_SystemTime_DtrmnElapsedTime_uS_u16	255	Rte_Call_Sa_MtrDrvDiag_SystemTime_DtrmnElapsedTime_uS_u16	255	*
Rte_Call_Sa_MtrDrvDiag_FetFlt1Data_OP_GET Rte_Call_Sa_MtrDrvDiag_FetFlt2Clk_OP_SET	1	Rte_Call_Sa_MtrDrvDiag_FetFlt1Data_OP_GET Rte Call Sa MtrDrvDiag FetFlt2Clk OP SET	1	~
GateDrvWaitTime	1	GateDrvWaitTime	1	
Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32	1	Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32	1	
Rte_Call_Sa_MtrDrvDiag_SystemTime_DtrmnElapsedTime_uS_u16	1	Rte_Call_Sa_MtrDrvDiag_SystemTime_DtrmnElapsedTime_uS_u16	1	_
Rte_Call_Sa_MtrDrvDiag_FetFlt2Clk_OP_SET	1	Rte_Call_Sa_MtrDrvDiag_FetFlt2Clk_OP_SET	1	•
GateDrvWaitTime	1	GateDrvWaitTime	1	~
Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32	1	Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32	1	~
Rte_Call_Sa_MtrDrvDiag_SystemTime_DtrmnElapsedTime_uS_u16	255	Rte_Call_Sa_MtrDrvDiag_SystemTime_DtrmnElapsedTime_uS_u16	255	~
Rte_Call_Sa_MtrDrvDiag_FetFlt1Data_OP_GET	1	Rte_Call_Sa_MtrDrvDiag_FetFlt1Data_OP_GET	1	✓
Rte_Call_Sa_MtrDrvDiag_FetFlt2Clk_OP_SET	1	Rte_Call_Sa_MtrDrvDiag_FetFlt2Clk_OP_SET	1	~
GateDrvWaitTime	1	GateDrvWaitTime	1	~
Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32	1	Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32	1	~
Rte_Call_Sa_MtrDrvDiag_SystemTime_DtrmnElapsedTime_uS_u16	1	Rte_Call_Sa_MtrDrvDiag_SystemTime_DtrmnElapsedTime_uS_u16	1	V
Rte_Call_Sa_MtrDrvDiag_FetFlt2Clk_OP_SET	1	Rte_Call_Sa_MtrDrvDiag_FetFlt2Clk_OP_SET	1	V
GateDrvWaitTime Pto Coll So MtrDrvDiog SystemTime CotSystemTime us us use	1	GateDrvWaitTime Pto Coll So MtrDrvDiog SystemTime CotSystemTime us us use	1	*
Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32 Rte_Call_Sa_MtrDrvDiag_SystemTime_DtrmnElapsedTime_uS_u16	255	Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32 Rte_Call_Sa_MtrDrvDiag_SystemTime_DtrmnElapsedTime_uS_u16	255	~
Rte_Call_Sa_MtrDrvDiag_FetFlt1Data_OP_GET	1	Rte_Call_Sa_MtrDrvDiag_FetFlt1Data_OP_GET	1	
Rte_Call_Sa_MtrDrvDiag_FetFlt2Clk_OP_SET	1	Rte_Call_Sa_MtrDrvDiag_FetFlt2Clk_OP_SET	1	~
GateDrvWaitTime	1	GateDryWaitTime	1	
Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32	1	Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32	1	~
Rte_Call_Sa_MtrDrvDiag_SystemTime_DtrmnElapsedTime_uS_u16	1	Rte_Call_Sa_MtrDrvDiag_SystemTime_DtrmnElapsedTime_uS_u16	1	~
Rte_Call_Sa_MtrDrvDiag_FetFlt2Clk_OP_SET	1	Rte_Call_Sa_MtrDrvDiag_FetFlt2Clk_OP_SET	1	~
GateDrvWaitTime	1	GateDrvWaitTime	1	~
Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32	1	Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32	1	~
Rte_Call_Sa_MtrDrvDiag_SystemTime_DtrmnElapsedTime_uS_u16	255	Rte_Call_Sa_MtrDrvDiag_SystemTime_DtrmnElapsedTime_uS_u16	255	~
Rte_Call_Sa_MtrDrvDiag_FetFlt1Data_OP_GET	1	Rte_Call_Sa_MtrDrvDiag_FetFlt1Data_OP_GET	1	_
Rte_Call_Sa_MtrDrvDiag_FetFlt2Clk_OP_SET	1	Rte_Call_Sa_MtrDrvDiag_FetFlt2Clk_OP_SET	1	V
GateDrvWaitTime Pto Coll So MtrDrvDiog SystemTime CotSystemTime us us use	1	GateDrvWaitTime Rto Coll So MtrDrvDiog SystemTime CotSystemTime us us use	1	¥
Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32 Rte_Call_Sa_MtrDrvDiag_SystemTime_DtrmnElapsedTime_uS_u16	1	Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32 Rte_Call_Sa_MtrDrvDiag_SystemTime_DtrmnElapsedTime_uS_u16	1	~
Rte_Call_Sa_MtrDrvDiag_FetFlt2Clk_OP_SET	1	Rte_Call_Sa_MtrDrvDiag_FetFlt2Clk_OP_SET	1	-
GateDrvWaitTime	1	GateDrvWaitTime	1	•
Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32	1	Rte Call Sa MtrDrvDiag SystemTime GetSystemTime uS u32	1	-
Rte_Call_Sa_MtrDrvDiag_SystemTime_DtrmnElapsedTime_uS_u16	255	Rte_Call_Sa_MtrDrvDiag_SystemTime_DtrmnElapsedTime_uS_u16	255	~
Rte_Call_Sa_MtrDrvDiag_FetFlt1Data_OP_GET	1	Rte_Call_Sa_MtrDrvDiag_FetFlt1Data_OP_GET	1	~
Rte_Call_Sa_MtrDrvDiag_FetFlt2Clk_OP_SET	1	Rte_Call_Sa_MtrDrvDiag_FetFlt2Clk_OP_SET	1	~
GateDrvWaitTime	1	GateDrvWaitTime	1	~
Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32	1	Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32	1	✓
Rte_Call_Sa_MtrDrvDiag_SystemTime_DtrmnElapsedTime_uS_u16	1	Rte_Call_Sa_MtrDrvDiag_SystemTime_DtrmnElapsedTime_uS_u16	1	~
Rte_Call_Sa_MtrDrvDiag_FetFlt2Clk_OP_SET	1	Rte_Call_Sa_MtrDrvDiag_FetFlt2Clk_OP_SET	1	~
GateDrvWaitTime	1	GateDrvWaitTime	1	Y
Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32	1	Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32	1	*
Rte_Call_Sa_MtrDrvDiag_SystemTime_DtrmnElapsedTime_uS_u16	255	Rte_Call_Sa_MtrDrvDiag_SystemTime_DtrmnElapsedTime_uS_u16	255 1	V
Rte_Call_Sa_MtrDrvDiag_FetFlt1Data_OP_GET Rte_Call_Sa_MtrDrvDiag_FetFlt2Clk_OP_SET	1	Rte_Call_Sa_MtrDrvDiag_FetFlt1Data_OP_GET Rte_Call_Sa_MtrDrvDiag_FetFlt2Clk_OP_SET	1	Y
GateDrvWaitTime	1	GateDrvWaitTime	1	~
Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32	1	Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32	1	
Rte_Call_Sa_MtrDrvDiag_SystemTime_DtrmnElapsedTime_uS_u16	1	Rte_Call_Sa_MtrDrvDiag_SystemTime_DtrmnElapsedTime_uS_u16	1	~
Rte_Call_Sa_MtrDrvDiag_FetFlt2Clk_OP_SET	1	Rte_Call_Sa_MtrDrvDiag_FetFlt2Clk_OP_SET	1	-
GateDrvWaitTime	1	GateDrvWaitTime	1	~
Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32	1	Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32	1	
Rte_Call_Sa_MtrDrvDiag_SystemTime_DtrmnElapsedTime_uS_u16	255	Rte_Call_Sa_MtrDrvDiag_SystemTime_DtrmnElapsedTime_uS_u16	255	•
Rte_Call_Sa_MtrDrvDiag_FetFlt1Data_OP_GET	1	Rte_Call_Sa_MtrDrvDiag_FetFlt1Data_OP_GET	1	~
Rte_Call_Sa_MtrDrvDiag_FetFlt2Clk_OP_SET	1	Rte_Call_Sa_MtrDrvDiag_FetFlt2Clk_OP_SET	1	~
GateDrvWaitTime	1	GateDrvWaitTime	1	~
Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32	1	Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32	1	~
Rte_Call_Sa_MtrDrvDiag_SystemTime_DtrmnElapsedTime_uS_u16	1	Rte_Call_Sa_MtrDrvDiag_SystemTime_DtrmnElapsedTime_uS_u16	1	

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Razorcat

ReadMtrDrvFltData

Actual Function	Count	Expected Function	Count	Result
Rte_Call_Sa_MtrDrvDiag_FetFlt2Clk_OP_SET	1	Rte_Call_Sa_MtrDrvDiag_FetFlt2Clk_OP_SET	1	•
GateDrvWaitTime	1	GateDrvWaitTime	1	~
Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32	1	Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32	1	~
Rte_Call_Sa_MtrDrvDiag_SystemTime_DtrmnElapsedTime_uS_u16	255	Rte_Call_Sa_MtrDrvDiag_SystemTime_DtrmnElapsedTime_uS_u16	255	~
Rte_Call_Sa_MtrDrvDiag_FetFlt1Data_OP_GET	1	Rte_Call_Sa_MtrDrvDiag_FetFlt1Data_OP_GET	1	~
Rte_Call_Sa_MtrDrvDiag_FetFlt2Clk_OP_SET	1	Rte_Call_Sa_MtrDrvDiag_FetFlt2Clk_OP_SET	1	~
GateDrvWaitTime	1	GateDrvWaitTime	1	~
Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32	1	Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32	1	~
Rte_Call_Sa_MtrDrvDiag_SystemTime_DtrmnElapsedTime_uS_u16	1	Rte_Call_Sa_MtrDrvDiag_SystemTime_DtrmnElapsedTime_uS_u16	1	~
Rte_Call_Sa_MtrDrvDiag_FetFlt2Clk_OP_SET	1	Rte_Call_Sa_MtrDrvDiag_FetFlt2Clk_OP_SET	1	~
GateDrvWaitTime	1	GateDrvWaitTime	1	~
Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32	1	Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32	1	~
Rte_Call_Sa_MtrDrvDiag_SystemTime_DtrmnElapsedTime_uS_u16	255	Rte_Call_Sa_MtrDrvDiag_SystemTime_DtrmnElapsedTime_uS_u16	255	~
Rte_Call_Sa_MtrDrvDiag_FetFlt1Data_OP_GET	1	Rte_Call_Sa_MtrDrvDiag_FetFlt1Data_OP_GET	1	~
Rte_Call_Sa_MtrDrvDiag_FetFlt2Clk_OP_SET	1	Rte_Call_Sa_MtrDrvDiag_FetFlt2Clk_OP_SET	1	✓
GateDrvWaitTime	1	GateDrvWaitTime	1	~
Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32	1	Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32	1	~
Rte_Call_Sa_MtrDrvDiag_SystemTime_DtrmnElapsedTime_uS_u16	1	Rte_Call_Sa_MtrDrvDiag_SystemTime_DtrmnElapsedTime_uS_u16	1	~
Rte_Call_Sa_MtrDrvDiag_IoHwAbPortConfig_SetFetFlt2ToOutput	1	Rte_Call_Sa_MtrDrvDiag_loHwAbPortConfig_SetFetFlt2ToOutput	1	~

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ProcGateDriveFlt

Project	MtrDrvDiag
Module	MtrDrvDiag
Test Object	ProcGateDriveFlt

Instrumentation: Test Object Only

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

Statistics

Total Testcases	3	
Successful	3	~
Failed	0	
Not Executed	0	

Module Properties

Project Root Directory	D:\Synergy_Work_Area\CBD_MtrDrvDiag
Configuration File	D:\Synergy_Work_Area\CBD_MtrDrvDiag\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)\MtrDrvDiag\src\Sa_MtrDrvDiag.c
Compiler Options	-Dconst= -D_DATA_ACCESS= -DSKIP_MAGIC_NUMBER= -Dstatic= -I\$(PROJECTROOT)\NxtrLib\include -I\$(PROJECTROOT)\StdDef \include -I\$(PROJECTROOT)\MtrDrvDiag\utp\contract\Sa_MtrDrvDiag -I\$(PROJECTROOT)\MtrDrvDiag\utp\contract -I\$(Compiler Install Path)\include

Comments/Description/Specific	ication
Name Text	xt



Module 'MtrDrvDiag'

Name of Tester: Spoorti Mali

Code File(s) Under Test: Sa_MtrDrvDiag.c Code File(s) Version: 22 Module Design Document:Motor_Driver_Diagnostics_MDD.doc

Module Design Document:Motor_Driver_Diagnostics_MDD.doc
Module Design Document Version: 11
Data Dictionary Version: 11
Unit Test Plan Version: 3
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 1.31
Total FLASH Used (Bytes): 1334
Total RAM Used (Bytes): 17
Total CALS Used (Bytes): 50
Special Test Requirements:
Test Date:01-29-2015
Comments: Comments:

Note 1:Inline function defined in ""Gloabalmacro.h""

is not unit Tested.

Note 2:In ""GateDrvWaitTime"" function extra code is added in VBA, to exit the while loop and to replicate the usercode functionality of TESSY.

Note 3:In ""ReadMtrDrvFltData""function,""DataHigh_Cnt_T_lgc"" temporary variable and ""Rte_Call_SystemTime_DtrmnElapsedTime_uS_u16"" stub are used as ""DataHigh_Cnt_T_lgc_Array[10]"" and ""Rte_Call_FetFlt1Data_OP_GET_Array[11]"" to replicate the usercode functionality of TESSY.

Note 4:In functions ""ProcGateDriveFlt"" , ""ProcBridgeFlt"" , ""MtrDrvDiag_Per1"", ""ReadMtrDrvFltData"" functions, ""Rte_Call_SystemTime_DtrmnElapsedTime_uS_u16""is not tested with its Min value, to avoid the infinite loop.

Note 5:""CBD_Sandbox_dbg.map"" file is embedded for reference."

Attributes	
Name	Value
Compiler Install Path	\$(ProgramFiles)\Texas Instruments\ccsv4\tools\compiler\tms470_4.9.5
Float Precision	9
InitObjDir	\$(PROJECTROOT)\UnitTestEnv\static_build_files\obj
InitSrcDir	\$(PROJECTROOT)\UnitTestEnv\static_build_files\src
Linker File	\$(PROJECTROOT)\UnitTestEnv\static_build_files\sys_link.cmd
Makefile Template	\$(PROJECTROOT)\UnitTestEnv\config\Nexteer_ts_make_ude_ti_tms570_ps.tpl
Target Install Path	\$(ProgramFiles)\pls
Time Unit	Cycles
Timer Enabled	false
Timer Prescale	0
Timer Resolution	1
UDE Config File	\$(PROJECTROOT)\UnitTestEnv\config\TMS570_UDE_12PIN_JTAG.cfg
Workspace File	D:\Synergy_Work_Area\CBD_MtrDrvDiag\UnitTestEnv\config\UDE_TMS570_DEBUG.WSP



Test Case 1: Metrics Test

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

TC1.1 62 Cycles TC1.2 1213900 Cycles

Description Vector Description

TS1.1"Shortest execution path:

(("GateDriveFltAccPtr_Cnt_T_u16)<((k_OnStateDiag_Cnt_str.Threshold)-(k_GateDriveDiag_Cnt_str.Pstep)))=false && (("GateDriveFltAccPtr_Cnt_T_u16)<((k_OnStateDiag_Cnt_str.Threshold)-(k_GateDriveDiag_Cnt_str.Pstep)))=tru e && (((1==((("GateDriveFltAccPtr_Cnt_T_u16)>=(k_OnStateDiag_Cnt_str.Threshold))?(((1)):(((0))))=false"

TS1.2"|| Onsert execution path:

TS1.2"Longest execution path:

(("GateDriveFltAccPtr_Cnt_T_u16)<((k_OnStateDiag_Cnt_str.Threshold)-(k_GateDriveDiag_Cnt_str.Pstep)))=false && (("GateDriveFltAccPtr_Cnt_T_u16)<((k_OnStateDiag_Cnt_str.Threshold)-(k_GateDriveDiag_Cnt_str.Pstep)))=tru e &&(((1==((("GateDriveFltAccPtr_Cnt_T_u16)>=(k_OnStateDiag_Cnt_str.Threshold))?(((1)):(((0))))=true && (0==FF2Set_Cnt_T_lgc)=true"

Test Step 1.1 (Repeat Count = 1)			✓
Name	Input Value		
FF2Set_Cnt_T_lgc	1		
GateDriveFltAccPtr_Cnt_T_u16	tgt_GateDriveFltAccPtr_Cnt_T_u16		
Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32(CurrentTime)	tgt_Rte_Call_Sa_MtrDrvDiag_Syste	mTime_GetSystemTime_uS_u32_Curr	
SVDiag_FETFaultPhase_Cnt_M_enum	0		
SVDiag_FETFaultType_Cnt_M_enum	2		
k_GateDriveDiag_Cnt_str.Threshold	65535		
k_GateDriveDiag_Cnt_str.PStep	1314		
tgt_GateDriveFltAccPtr_Cnt_T_u16	134		
tgt_Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32_Curr	0		
Name	Actual Value	Expected Value	Result
Rte_Call_Sa_MtrDrvDiag_NxtrDiagMgr_SetNTCStatus(NTC_Cnt_T_enum)	0	*none*	~
Rte_Call_Sa_MtrDrvDiag_NxtrDiagMgr_SetNTCStatus(Param_Cnt_T_u08)	0	*none*	✓
Rte_Call_Sa_MtrDrvDiag_NxtrDiagMgr_SetNTCStatus(Status_Cnt_T_enum)	0	*none*	✓
SVDiag_FETFaultPhase_Cnt_M_enum	0	0	✓
SVDiag_FETFaultType_Cnt_M_enum	2	2	✓
tgt_GateDriveFltAccPtr_Cnt_T_u16	1448	1448	✓

Test Step Call Trace				
Actual Function	Count	Expected Function	Count	Result
none	0	*** No Call Expected ***	0	~

Test Step 1.2 (Repeat Count = 1)			V
Name	Input Value		
FF2Set_Cnt_T_lgc	1		
GateDriveFltAccPtr_Cnt_T_u16	tgt_GateDriveFltAccPtr_Cnt_T_u16		
Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32(CurrentTime)	tgt_Rte_Call_Sa_MtrDrvDiag_SystemTime_	GetSystemTime_uS_u32_Curr	
SVDiag_FETFaultPhase_Cnt_M_enum	1		
SVDiag_FETFaultType_Cnt_M_enum	1		
k_GateDriveDiag_Cnt_str.Threshold	366		
k_GateDriveDiag_Cnt_str.PStep	123		
tgt_GateDriveFltAccPtr_Cnt_T_u16	419		
tgt_Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32_Curr	1000		
Name	Actual Value	Expected Value	Result
Rte_Call_Sa_MtrDrvDiag_NxtrDiagMgr_SetNTCStatus(NTC_Cnt_T_enum)	77	77	-
Rte_Call_Sa_MtrDrvDiag_NxtrDiagMgr_SetNTCStatus(Param_Cnt_T_u08)	4	4	~
Rte_Call_Sa_MtrDrvDiag_NxtrDiagMgr_SetNTCStatus(Status_Cnt_T_enum)	1	1	~
SVDiag_FETFaultPhase_Cnt_M_enum	3	3	✓
SVDiag_FETFaultType_Cnt_M_enum	2	2	✓
tgt_GateDriveFltAccPtr_Cnt_T_u16	366	366	~

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Actual Function		Expected Function		Result
Rte_Call_Sa_MtrDrvDiag_NxtrDiagMgr_SetNTCStatus	1	Rte_Call_Sa_MtrDrvDiag_NxtrDiagMgr_SetNTCStatus	1	~
ReadMtrDrvFltData	1	ReadMtrDrvFltData	1	V
Rte_Call_Sa_MtrDrvDiag_loHwAbPortConfig_SetFetFlt2ToOutput Rte_Call_Sa_MtrDrvDiag_FetFlt2Clk_OP_SET	1	Rte_Call_Sa_MtrDrvDiag_loHwAbPortConfig_SetFetFlt2ToOutput Rte_Call_Sa_MtrDrvDiag_FetFlt2Clk_OP_SET	1	✓ ✓
GateDrvWaitTime	1	GateDryWaitTime	1	J
Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32	1	Rte Call Sa MtrDrvDiag SystemTime GetSystemTime uS u32	1	~
Rte_Call_Sa_MtrDrvDiag_SystemTime_DtrmnElapsedTime_uS_u16	1	Rte_Call_Sa_MtrDrvDiag_SystemTime_DtrmnElapsedTime_uS_u16	1	-
Rte_Call_Sa_MtrDrvDiag_FetFlt1Data_OP_GET	1	Rte_Call_Sa_MtrDrvDiag_FetFlt1Data_OP_GET	1	~
Rte_Call_Sa_MtrDrvDiag_FetFlt2Clk_OP_SET	1	Rte_Call_Sa_MtrDrvDiag_FetFlt2Clk_OP_SET	1	~
GateDrvWaitTime	1	GateDrvWaitTime	1	~
Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32	1	Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32	1	~
Rte_Call_Sa_MtrDrvDiag_SystemTime_DtrmnElapsedTime_uS_u16	1	Rte_Call_Sa_MtrDrvDiag_SystemTime_DtrmnElapsedTime_uS_u16	1	~
Rte_Call_Sa_MtrDrvDiag_FetFlt2Clk_OP_SET	1	Rte_Call_Sa_MtrDrvDiag_FetFlt2Clk_OP_SET	1	~
GateDrvWaitTime	1	GateDrvWaitTime	1	~
Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32	1	Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32	1	
Rte_Call_Sa_MtrDrvDiag_SystemTime_DtrmnElapsedTime_uS_u16	1	Rte_Call_Sa_MtrDrvDiag_SystemTime_DtrmnElapsedTime_uS_u16	1	V
Rte_Call_Sa_MtrDrvDiag_FetFlt1Data_OP_GET Rte_Call_Sa_MtrDrvDiag_FetFlt2Clk_OP_SET	1	Rte_Call_Sa_MtrDrvDiag_FetFlt1Data_OP_GET Rte_Call_Sa_MtrDrvDiag_FetFlt2Clk_OP_SET	1	~
GateDrvWaitTime	1	GateDrvWaitTime	1	
Rte Call Sa MtrDrvDiag SystemTime GetSystemTime uS u32	1	Rte Call Sa MtrDrvDiag SystemTime GetSystemTime uS u32	1	~
Rte_Call_Sa_MtrDrvDiag_SystemTime_DtrmnElapsedTime_uS_u16	1	Rte_Call_Sa_MtrDrvDiag_SystemTime_DtrmnElapsedTime_uS_u16	1	
Rte Call Sa MtrDrvDiag FetFlt2Clk OP SET	1	Rte_Call_Sa_MtrDrvDiag_FetFlt2Clk_OP_SET	1	•
GateDrvWaitTime	1	GateDrvWaitTime	1	~
Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32	1	Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32	1	~
Rte_Call_Sa_MtrDrvDiag_SystemTime_DtrmnElapsedTime_uS_u16	253	Rte_Call_Sa_MtrDrvDiag_SystemTime_DtrmnElapsedTime_uS_u16	253	~
Rte_Call_Sa_MtrDrvDiag_FetFlt1Data_OP_GET	1	Rte_Call_Sa_MtrDrvDiag_FetFlt1Data_OP_GET	1	~
Rte_Call_Sa_MtrDrvDiag_FetFlt2Clk_OP_SET	1	Rte_Call_Sa_MtrDrvDiag_FetFlt2Clk_OP_SET	1	~
GateDrvWaitTime	1	GateDrvWaitTime	1	~
Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32	1	Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32	1	~
Rte_Call_Sa_MtrDrvDiag_SystemTime_DtrmnElapsedTime_uS_u16	1	Rte_Call_Sa_MtrDrvDiag_SystemTime_DtrmnElapsedTime_uS_u16	1	~
Rte_Call_Sa_MtrDrvDiag_FetFlt2Clk_OP_SET	1	Rte_Call_Sa_MtrDrvDiag_FetFlt2Clk_OP_SET	1	
GateDrvWaitTime	1	GateDrvWaitTime	1	V
Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32	1	Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32	1	V
Rte_Call_Sa_MtrDrvDiag_SystemTime_DtrmnElapsedTime_uS_u16 Rte_Call_Sa_MtrDrvDiag_FetFlt1Data_OP_GET	1	Rte_Call_Sa_MtrDrvDiag_SystemTime_DtrmnElapsedTime_uS_u16 Rte_Call_Sa_MtrDrvDiag_FetFlt1Data_OP_GET	1	
Rte_Call_Sa_MtrDrvDiag_FetFlt2Clk_OP_SET	1	Rte_Call_Sa_MtrDrvDiag_FetFlt2Clk_OP_SET	1	-
GateDrvWaitTime	1	GateDrvWaitTime	1	
Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32	1	Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32	1	•
Rte_Call_Sa_MtrDrvDiag_SystemTime_DtrmnElapsedTime_uS_u16	1	Rte_Call_Sa_MtrDrvDiag_SystemTime_DtrmnElapsedTime_uS_u16	1	~
Rte_Call_Sa_MtrDrvDiag_FetFlt2Clk_OP_SET	1	Rte_Call_Sa_MtrDrvDiag_FetFlt2Clk_OP_SET	1	~
GateDrvWaitTime	1	GateDrvWaitTime	1	~
Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32	1	Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32	1	~
Rte_Call_Sa_MtrDrvDiag_SystemTime_DtrmnElapsedTime_uS_u16	253	Rte_Call_Sa_MtrDrvDiag_SystemTime_DtrmnElapsedTime_uS_u16	253	~
Rte_Call_Sa_MtrDrvDiag_FetFlt1Data_OP_GET	1	Rte_Call_Sa_MtrDrvDiag_FetFlt1Data_OP_GET	1	~
Rte_Call_Sa_MtrDrvDiag_FetFlt2Clk_OP_SET	1	Rte_Call_Sa_MtrDrvDiag_FetFlt2Clk_OP_SET	1	~
GateDrvWaitTime	1	GateDrvWaitTime	1	~
Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32	1	Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32	1	V
Rte_Call_Sa_MtrDrvDiag_SystemTime_DtrmnElapsedTime_uS_u16 Rte Call Sa MtrDrvDiag FetFlt2Clk OP SET	1	Rte_Call_Sa_MtrDrvDiag_SystemTime_DtrmnElapsedTime_uS_u16 Rte_Call_Sa_MtrDrvDiag_FetFlt2Clk_OP_SET	1	*
GateDrvWaitTime	1	GateDrvWaitTime	1	~
Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32	1	Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32	1	Ž
Rte Call Sa MtrDrvDiag SystemTime DtrmnElapsedTime uS u16	1	Rte Call Sa MtrDrvDiag SystemTime DtrmnElapsedTime uS u16	1	~
Rte Call Sa MtrDrvDiag FetFlt1Data OP GET	1	Rte_Call_Sa_MtrDrvDiag_FetFlt1Data_OP_GET	1	~
Rte_Call_Sa_MtrDrvDiag_FetFlt2Clk_OP_SET	1	Rte_Call_Sa_MtrDrvDiag_FetFlt2Clk_OP_SET	1	~
GateDrvWaitTime	1	GateDrvWaitTime	1	~
Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32	1	Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32	1	~
Rte_Call_Sa_MtrDrvDiag_SystemTime_DtrmnElapsedTime_uS_u16	1	Rte_Call_Sa_MtrDrvDiag_SystemTime_DtrmnElapsedTime_uS_u16	1	~
Rte_Call_Sa_MtrDrvDiag_FetFlt2Clk_OP_SET	1	Rte_Call_Sa_MtrDrvDiag_FetFlt2Clk_OP_SET	1	•
GateDrvWaitTime	1	GateDrvWaitTime	1	~
Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32	1	Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32	1	~
Rte_Call_Sa_MtrDrvDiag_SystemTime_DtrmnElapsedTime_uS_u16	253	Rte_Call_Sa_MtrDrvDiag_SystemTime_DtrmnElapsedTime_uS_u16	253	~
Rte_Call_Sa_MtrDrvDiag_FetFlt1Data_OP_GET	1	Rte_Call_Sa_MtrDrvDiag_FetFlt1Data_OP_GET	1	~
Rte_Call_Sa_MtrDrvDiag_FetFlt2Clk_OP_SET	1	Rte_Call_Sa_MtrDrvDiag_FetFlt2Clk_OP_SET	1	· ·
GateDrvWaitTime Pto Call So MtrDrvDing SystemTime CotSystemTime us us use	1	GateDrvWaitTime	1	V
Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32	1	Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32	1	V
Rte_Call_Sa_MtrDrvDiag_SystemTime_DtrmnElapsedTime_uS_u16	1	Rte_Call_Sa_MtrDrvDiag_SystemTime_DtrmnElapsedTime_uS_u16	1	*
Rte_Call_Sa_MtrDrvDiag_FetFlt2Clk_OP_SET GateDrvWaitTime	1	Rte_Call_Sa_MtrDrvDiag_FetFlt2Clk_OP_SET GateDrvWaitTime	1	
CateDivivalitime	1	Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32	1	~
Rte Call Sa MtrDrvDiag SystemTime GetSystemTime us us2	1.1	caca_min_reliag_cyclemnine_coloystemnine_uc_ucz		
Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32 Rte_Call_Sa_MtrDrvDiag_SystemTime_DtrmnElapsedTime_uS_u16	1	Rte Call Sa MtrDrvDiag SystemTime DtrmnElapsedTime uS u16	1	_
Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32 Rte_Call_Sa_MtrDrvDiag_SystemTime_DtrmnElapsedTime_uS_u16 Rte_Call_Sa_MtrDrvDiag_FetFlt1Data_OP_GET	1	Rte_Call_Sa_MtrDrvDiag_SystemTime_DtrmnElapsedTime_uS_u16 Rte_Call_Sa_MtrDrvDiag_FetFlt1Data_OP_GET	1	*
Rte_Call_Sa_MtrDrvDiag_SystemTime_DtrmnElapsedTime_uS_u16				

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Actual Function	Count	Expected Function	Count	Result
Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32	1	Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32	1	~
Rte_Call_Sa_MtrDrvDiag_SystemTime_DtrmnElapsedTime_uS_u16	1	Rte_Call_Sa_MtrDrvDiag_SystemTime_DtrmnElapsedTime_uS_u16	1	~
Rte_Call_Sa_MtrDrvDiag_FetFlt2Clk_OP_SET	1	Rte_Call_Sa_MtrDrvDiag_FetFlt2Clk_OP_SET	1	~
GateDrvWaitTime	1	GateDrvWaitTime	1	~
Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32	1	Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32	1	~
Rte_Call_Sa_MtrDrvDiag_SystemTime_DtrmnElapsedTime_uS_u16	253	Rte_Call_Sa_MtrDrvDiag_SystemTime_DtrmnElapsedTime_uS_u16	253	-
Rte_Call_Sa_MtrDrvDiag_FetFlt1Data_OP_GET	1	Rte_Call_Sa_MtrDrvDiag_FetFlt1Data_OP_GET	1	~
Rte_Call_Sa_MtrDrvDiag_FetFlt2Clk_OP_SET	1	Rte_Call_Sa_MtrDrvDiag_FetFlt2Clk_OP_SET	1	~
GateDrvWaitTime	1	GateDrvWaitTime	1	~
Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32	1	Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32	1	~
Rte_Call_Sa_MtrDrvDiag_SystemTime_DtrmnElapsedTime_uS_u16	1	Rte_Call_Sa_MtrDrvDiag_SystemTime_DtrmnElapsedTime_uS_u16	1	~
Rte_Call_Sa_MtrDrvDiag_FetFlt2Clk_OP_SET	1	Rte_Call_Sa_MtrDrvDiag_FetFlt2Clk_OP_SET	1	~
GateDrvWaitTime	1	GateDrvWaitTime	1	~
Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32	1	Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32	1	-
Rte_Call_Sa_MtrDrvDiag_SystemTime_DtrmnElapsedTime_uS_u16	1	Rte_Call_Sa_MtrDrvDiag_SystemTime_DtrmnElapsedTime_uS_u16	1	•
Rte_Call_Sa_MtrDrvDiag_FetFlt1Data_OP_GET	1	Rte_Call_Sa_MtrDrvDiag_FetFlt1Data_OP_GET	1	~
Rte_Call_Sa_MtrDrvDiag_FetFlt2Clk_OP_SET	1	Rte_Call_Sa_MtrDrvDiag_FetFlt2Clk_OP_SET	1	~
GateDrvWaitTime	1	GateDrvWaitTime	1	~
Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32	1	Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32	1	~
Rte_Call_Sa_MtrDrvDiag_SystemTime_DtrmnElapsedTime_uS_u16	1	Rte_Call_Sa_MtrDrvDiag_SystemTime_DtrmnElapsedTime_uS_u16	1	-
Rte_Call_Sa_MtrDrvDiag_IoHwAbPortConfig_SetFetFlt2ToOutput	1	Rte_Call_Sa_MtrDrvDiag_IoHwAbPortConfig_SetFetFlt2ToOutput	1	~

Test Case 2: Boundary Test

Specification

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

TC2.1 595 Cycles
TC2.2 1226150 Cycles
TC2.3 588 Cycles
TC2.4 1218839 Cycles
TC2.5 569 Cycles
TC2.6 1218520 Cycles
TC2.7 71 Cycles
TC2.8 55 Cycles
TC2.9 55 Cycles
TC2.10 1219546 Cycles
TC2.11 55 Cycles
TC2.12 591 Cycles
TC2.13 1226445 Cycles

Description

Vector Description

TS2.1FF2Set_Cnt_T_lgc=False
TS2.2FF2Set_Cnt_T_lgc=True
TS2.3GateDriveFltAccPtr_Cnt_T_u16=min
TS2.4GateDriveFltAccPtr_Cnt_T_u16=max
TS2.5GateDriveFltAccPtr_Cnt_T_u16=pos
TS2.6k_GateDriveDiag_Cnt_str.Threshold=min
TS2.7k_GateDriveDiag_Cnt_str.Threshold=max
TS2.8k_GateDriveDiag_Cnt_str.Threshold=pos
TS2.9k_GateDriveDiag_Cnt_str.Pstep=min
TS2.10k_GateDriveDiag_Cnt_str.Pstep=max
TS2.11k_GateDriveDiag_Cnt_str.Pstep=pos
TS2.12All Min
TS2.13All Max

Test Step 2.1 (Repeat Count = 1)			~
Name	Input Value		
FF2Set_Cnt_T_lgc	0		
GateDriveFltAccPtr_Cnt_T_u16	tgt_GateDriveFltAccPtr_Cnt_T_u16		
Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32(CurrentTime)	tgt_Rte_Call_Sa_MtrDrvDiag_SystemTi	me_GetSystemTime_uS_u32_Curr	
SVDiag_FETFaultPhase_Cnt_M_enum	0		
SVDiag_FETFaultType_Cnt_M_enum	0		
k_GateDriveDiag_Cnt_str.Threshold	134		
k_GateDriveDiag_Cnt_str.PStep	5632		
tgt_GateDriveFltAccPtr_Cnt_T_u16	563		
tgt_Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32_Curr	5000		
Name	Actual Value	Expected Value	Result
Rte_Call_Sa_MtrDrvDiag_NxtrDiagMgr_SetNTCStatus(NTC_Cnt_T_enum)	77	77	~
Rte_Call_Sa_MtrDrvDiag_NxtrDiagMgr_SetNTCStatus(Param_Cnt_T_u08)	1	1	✓
Rte_Call_Sa_MtrDrvDiag_NxtrDiagMgr_SetNTCStatus(Status_Cnt_T_enum)	1	1	~
SVDiag_FETFaultPhase_Cnt_M_enum	0	0	~
SVDiag_FETFaultType_Cnt_M_enum	0	0	~
tgt GateDriveFltAccPtr Cnt T u16	134	134	✓

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Test Step Call Trace				V
Actual Function	Count	Expected Function	Count	Result
Rte_Call_Sa_MtrDrvDiag_NxtrDiagMgr_SetNTCStatus	1	Rte_Call_Sa_MtrDrvDiag_NxtrDiagMgr_SetNTCStatus	1	~

Test Step 2.2 (Repeat Count = 1)			✓
Name	Input Value		
FF2Set_Cnt_T_lgc	1		
GateDriveFltAccPtr_Cnt_T_u16	tgt_GateDriveFltAccPtr_Cnt_T_u16		
Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32(CurrentTime)	tgt_Rte_Call_Sa_MtrDrvDiag_SystemTime_	GetSystemTime_uS_u32_Curr	
SVDiag_FETFaultPhase_Cnt_M_enum	1		
SVDiag_FETFaultType_Cnt_M_enum	1		
k_GateDriveDiag_Cnt_str.Threshold	366		
k_GateDriveDiag_Cnt_str.PStep	123		
tgt_GateDriveFltAccPtr_Cnt_T_u16	419		
tgt_Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32_Curr	1000		
Name	Actual Value	Expected Value	Result
Rte_Call_Sa_MtrDrvDiag_NxtrDiagMgr_SetNTCStatus(NTC_Cnt_T_enum)	77	77	~
Rte_Call_Sa_MtrDrvDiag_NxtrDiagMgr_SetNTCStatus(Param_Cnt_T_u08)	4	4	~
Rte_Call_Sa_MtrDrvDiag_NxtrDiagMgr_SetNTCStatus(Status_Cnt_T_enum)	1	1	~
SVDiag_FETFaultPhase_Cnt_M_enum	3	3	~
SVDiag_FETFaultType_Cnt_M_enum	2	2	~
tgt_GateDriveFltAccPtr_Cnt_T_u16	366	366	~

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Actual Function	Count	Expected Function	Count	Result
Rte_Call_Sa_MtrDrvDiag_NxtrDiagMgr_SetNTCStatus	1	Rte_Call_Sa_MtrDrvDiag_NxtrDiagMgr_SetNTCStatus	1	~
ReadMtrDrvFltData	1	ReadMtrDrvFltData	1	~
Rte_Call_Sa_MtrDrvDiag_loHwAbPortConfig_SetFetFlt2ToOutput	1	Rte_Call_Sa_MtrDrvDiag_IoHwAbPortConfig_SetFetFlt2ToOutput	1	_
Rte_Call_Sa_MtrDrvDiag_FetFlt2Clk_OP_SET GateDrvWaitTime	1	Rte_Call_Sa_MtrDrvDiag_FetFlt2Clk_OP_SET GateDrvWaitTime	1	*
Rte Call Sa MtrDrvDiag SystemTime GetSystemTime uS u32	1	Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32	1	~
Rte_Call_Sa_MtrDrvDiag_SystemTime_DtrmnElapsedTime_uS_u16	1	Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32	1	
Rte_Call_Sa_MtrDrvDiag_FetFlt1Data_OP_GET	1	Rte_Call_Sa_MtrDrvDiag_FetFlt1Data_OP_GET	1	•
Rte Call Sa MtrDrvDiag FetFlt2Clk OP SET	1	Rte Call Sa MtrDrvDiag FetFlt2Clk OP SET	1	-
GateDrvWaitTime	1	GateDrvWaitTime	1	-
Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32	1	Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32	1	-
Rte_Call_Sa_MtrDrvDiag_SystemTime_DtrmnElapsedTime_uS_u16	1	Rte_Call_Sa_MtrDrvDiag_SystemTime_DtrmnElapsedTime_uS_u16	1	•
Rte_Call_Sa_MtrDrvDiag_FetFlt2Clk_OP_SET	1	Rte_Call_Sa_MtrDrvDiag_FetFlt2Clk_OP_SET	1	-
GateDrvWaitTime	1	GateDrvWaitTime	1	-
Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32	1	Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32	1	~
Rte_Call_Sa_MtrDrvDiag_SystemTime_DtrmnElapsedTime_uS_u16	1	Rte_Call_Sa_MtrDrvDiag_SystemTime_DtrmnElapsedTime_uS_u16	1	-
Rte_Call_Sa_MtrDrvDiag_FetFlt1Data_OP_GET	1	Rte_Call_Sa_MtrDrvDiag_FetFlt1Data_OP_GET	1	~
Rte_Call_Sa_MtrDrvDiag_FetFlt2Clk_OP_SET	1	Rte_Call_Sa_MtrDrvDiag_FetFlt2Clk_OP_SET	1	•
GateDryWaitTime	1	GateDrvWaitTime	1	•
Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32 Rte Call Sa MtrDrvDiag SystemTime DtrmnElapsedTime uS u16	1	Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32 Rte_Call_Sa_MtrDrvDiag_SystemTime_DtrmnElapsedTime_uS_u16	1	· ·
Rte_Call_Sa_MtrDrvDiag_FetFlt2Clk_OP_SET	1	Rte_Call_Sa_MtrDrvDiag_FetFlt2Clk_OP_SET	1	
GateDrvWaitTime	1	GateDrvWaitTime	1	J
Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32	1	Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32	1	
Rte_Call_Sa_MtrDrvDiag_SystemTime_DtrmnElapsedTime_uS_u16	253	Rte Call Sa MtrDrvDiag SystemTime DtrmnElapsedTime uS u16	253	
Rte_Call_Sa_MtrDrvDiag_FetFlt1Data_OP_GET	1	Rte_Call_Sa_MtrDrvDiag_FetFlt1Data_OP_GET	1	✓
Rte_Call_Sa_MtrDrvDiag_FetFlt2Clk_OP_SET	1	Rte_Call_Sa_MtrDrvDiag_FetFlt2Clk_OP_SET	1	-
GateDrvWaitTime	1	GateDrvWaitTime	1	-
Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32	1	Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32	1	-
Rte_Call_Sa_MtrDrvDiag_SystemTime_DtrmnElapsedTime_uS_u16	1	Rte_Call_Sa_MtrDrvDiag_SystemTime_DtrmnElapsedTime_uS_u16	1	~
Rte_Call_Sa_MtrDrvDiag_FetFlt2Clk_OP_SET	1	Rte_Call_Sa_MtrDrvDiag_FetFlt2Clk_OP_SET	1	-
GateDrvWaitTime	1	GateDrvWaitTime	1	~
Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32	1	Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32	1	~
Rte_Call_Sa_MtrDrvDiag_SystemTime_DtrmnElapsedTime_uS_u16	1	Rte_Call_Sa_MtrDrvDiag_SystemTime_DtrmnElapsedTime_uS_u16	1	✓
Rte_Call_Sa_MtrDrvDiag_FetFlt1Data_OP_GET	1	Rte_Call_Sa_MtrDrvDiag_FetFlt1Data_OP_GET	1	V
Rte_Call_Sa_MtrDrvDiag_FetFlt2Clk_OP_SET	1	Rte_Call_Sa_MtrDrvDiag_FetFlt2Clk_OP_SET	1	V
GateDrvWaitTime	1	GateDrvWaitTime	1	✓
Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32 Rte_Call_Sa_MtrDrvDiag_SystemTime_DtrmnElapsedTime_uS_u16	1	Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32 Rte_Call_Sa_MtrDrvDiag_SystemTime_DtrmnElapsedTime_uS_u16	1	
Rte_Call_Sa_MtrDrvDiag_FetFlt2Clk_OP_SET	1	Rte Call Sa MtrDrvDiag FetFlt2Clk OP SET	1	
GateDrvWaitTime	1	GateDrvWaitTime	1	J
Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32	1	Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32	1	-
Rte Call Sa MtrDrvDiag SystemTime DtrmnElapsedTime uS u16	253	Rte_Call_Sa_MtrDrvDiag_SystemTime_DtrmnElapsedTime_uS_u16	253	-
Rte_Call_Sa_MtrDrvDiag_FetFlt1Data_OP_GET	1	Rte_Call_Sa_MtrDrvDiag_FetFlt1Data_OP_GET	1	-
Rte_Call_Sa_MtrDrvDiag_FetFlt2Clk_OP_SET	1	Rte_Call_Sa_MtrDrvDiag_FetFlt2Clk_OP_SET	1	-
GateDrvWaitTime	1	GateDrvWaitTime	1	~
Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32	1	Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32	1	-
Rte_Call_Sa_MtrDrvDiag_SystemTime_DtrmnElapsedTime_uS_u16	1	Rte_Call_Sa_MtrDrvDiag_SystemTime_DtrmnElapsedTime_uS_u16	1	~
Rte_Call_Sa_MtrDrvDiag_FetFlt2Clk_OP_SET	1	Rte_Call_Sa_MtrDrvDiag_FetFlt2Clk_OP_SET	1	~
GateDrvWaitTime	1	GateDrvWaitTime	1	~
Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32	1	Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32	1	•
Rte_Call_Sa_MtrDrvDiag_SystemTime_DtrmnElapsedTime_uS_u16	1	Rte_Call_Sa_MtrDrvDiag_SystemTime_DtrmnElapsedTime_uS_u16	1	•
Rte_Call_Sa_MtrDrvDiag_FetFlt1Data_OP_GET	1	Rte_Call_Sa_MtrDrvDiag_FetFlt1Data_OP_GET	1	•
Rte_Call_Sa_MtrDrvDiag_FetFlt2Clk_OP_SET GateDrvWaitTime	1	Rte_Call_Sa_MtrDrvDiag_FetFlt2Clk_OP_SET GateDrvWaitTime	1	· ·
Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32	1	Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32	1	-
Rte_Call_Sa_MtrDrvDiag_SystemTime_DtrmnElapsedTime_uS_u16	1	Rte Call Sa MtrDrvDiag SystemTime DtrmnElapsedTime uS u16	1	
Rte_Call_Sa_MtrDrvDiag_FetFlt2Clk_OP_SET	1	Rte_Call_Sa_MtrDrvDiag_FetFlt2Clk_OP_SET	1	•
GateDrvWaitTime	1	GateDrvWaitTime	1	
Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32	1	Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32	1	•
Rte_Call_Sa_MtrDrvDiag_SystemTime_DtrmnElapsedTime_uS_u16	253	Rte_Call_Sa_MtrDrvDiag_SystemTime_DtrmnElapsedTime_uS_u16	253	-
Rte_Call_Sa_MtrDrvDiag_FetFlt1Data_OP_GET	1	Rte_Call_Sa_MtrDrvDiag_FetFlt1Data_OP_GET	1	-
Rte_Call_Sa_MtrDrvDiag_FetFlt2Clk_OP_SET	1	Rte_Call_Sa_MtrDrvDiag_FetFlt2Clk_OP_SET	1	-
GateDrvWaitTime	1	GateDrvWaitTime	1	•
Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32	1	Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32	1	~
Rte_Call_Sa_MtrDrvDiag_SystemTime_DtrmnElapsedTime_uS_u16	1	Rte_Call_Sa_MtrDrvDiag_SystemTime_DtrmnElapsedTime_uS_u16	1	•
Rte_Call_Sa_MtrDrvDiag_FetFlt2Clk_OP_SET	1	Rte_Call_Sa_MtrDrvDiag_FetFlt2Clk_OP_SET	1	~
GateDrvWaitTime	1	GateDrvWaitTime	1	•
	1	Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32	1	~
Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32				
Rte_Call_Sa_MtrDrvDiag_SystemTime_DtrmnElapsedTime_uS_u16	1	Rte_Call_Sa_MtrDrvDiag_SystemTime_DtrmnElapsedTime_uS_u16	1	V
	1 1 1	Rte_Call_Sa_MtrDrvDiag_SystemTime_DtrmnElapsedTime_uS_u16 Rte_Call_Sa_MtrDrvDiag_FetFlt1Data_OP_GET Rte_Call_Sa_MtrDrvDiag_FetFlt2Clk_OP_SET	1 1	~

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Actual Function	Count	Expected Function	Count	Result
Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32	1	Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32	1	•
Rte_Call_Sa_MtrDrvDiag_SystemTime_DtrmnElapsedTime_uS_u16	1	Rte_Call_Sa_MtrDrvDiag_SystemTime_DtrmnElapsedTime_uS_u16	1	~
Rte_Call_Sa_MtrDrvDiag_FetFlt2Clk_OP_SET	1	Rte_Call_Sa_MtrDrvDiag_FetFlt2Clk_OP_SET	1	~
GateDrvWaitTime	1	GateDrvWaitTime	1	~
Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32	1	Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32	1	•
Rte_Call_Sa_MtrDrvDiag_SystemTime_DtrmnElapsedTime_uS_u16	253	Rte_Call_Sa_MtrDrvDiag_SystemTime_DtrmnElapsedTime_uS_u16	253	•
Rte_Call_Sa_MtrDrvDiag_FetFlt1Data_OP_GET	1	Rte_Call_Sa_MtrDrvDiag_FetFlt1Data_OP_GET	1	•
Rte_Call_Sa_MtrDrvDiag_FetFlt2Clk_OP_SET	1	Rte_Call_Sa_MtrDrvDiag_FetFlt2Clk_OP_SET	1	~
GateDrvWaitTime	1	GateDrvWaitTime	1	•
Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32	1	Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32	1	~
Rte_Call_Sa_MtrDrvDiag_SystemTime_DtrmnElapsedTime_uS_u16	1	Rte_Call_Sa_MtrDrvDiag_SystemTime_DtrmnElapsedTime_uS_u16	1	•
Rte_Call_Sa_MtrDrvDiag_FetFlt2Clk_OP_SET	1	Rte_Call_Sa_MtrDrvDiag_FetFlt2Clk_OP_SET	1	~
GateDrvWaitTime	1	GateDrvWaitTime	1	•
Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32	1	Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32	1	•
Rte_Call_Sa_MtrDrvDiag_SystemTime_DtrmnElapsedTime_uS_u16	1	Rte_Call_Sa_MtrDrvDiag_SystemTime_DtrmnElapsedTime_uS_u16	1	•
Rte_Call_Sa_MtrDrvDiag_FetFlt1Data_OP_GET	1	Rte_Call_Sa_MtrDrvDiag_FetFlt1Data_OP_GET	1	~
Rte_Call_Sa_MtrDrvDiag_FetFlt2Clk_OP_SET	1	Rte_Call_Sa_MtrDrvDiag_FetFlt2Clk_OP_SET	1	~
GateDrvWaitTime	1	GateDrvWaitTime	1	~
Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32	1	Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32	1	~
Rte_Call_Sa_MtrDrvDiag_SystemTime_DtrmnElapsedTime_uS_u16	1	Rte_Call_Sa_MtrDrvDiag_SystemTime_DtrmnElapsedTime_uS_u16	1	~
Rte_Call_Sa_MtrDrvDiag_IoHwAbPortConfig_SetFetFlt2ToOutput	1	Rte_Call_Sa_MtrDrvDiag_IoHwAbPortConfig_SetFetFlt2ToOutput	1	•

Test Step 2.3 (Repeat Count = 1)			✓
Name	Input Value		
FF2Set_Cnt_T_lgc	0		
GateDriveFltAccPtr_Cnt_T_u16	tgt_GateDriveFltAccPtr_Cnt_T_u16		
Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32(CurrentTime)	tgt_Rte_Call_Sa_MtrDrvDiag_SystemTime	_GetSystemTime_uS_u32_Curr	
SVDiag_FETFaultPhase_Cnt_M_enum	2		
SVDiag_FETFaultType_Cnt_M_enum	2		
k_GateDriveDiag_Cnt_str.Threshold	854		
k_GateDriveDiag_Cnt_str.PStep	900		
tgt_GateDriveFltAccPtr_Cnt_T_u16	0		
tgt_Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32_Curr	2000		
Name	Actual Value	Expected Value	Result
Rte_Call_Sa_MtrDrvDiag_NxtrDiagMgr_SetNTCStatus(NTC_Cnt_T_enum)	77	77	~
Rte_Call_Sa_MtrDrvDiag_NxtrDiagMgr_SetNTCStatus(Param_Cnt_T_u08)	1	1	~
Rte_Call_Sa_MtrDrvDiag_NxtrDiagMgr_SetNTCStatus(Status_Cnt_T_enum)	1	1	~
SVDiag_FETFaultPhase_Cnt_M_enum	2	2	•
SVDiag_FETFaultType_Cnt_M_enum	2	2	•
tgt_GateDriveFltAccPtr_Cnt_T_u16	854	854	✓

Test Step Call Trace					
Actual Function	Count	Expected Function	Count	Result	
Rte_Call_Sa_MtrDrvDiag_NxtrDiagMgr_SetNTCStatus	1	Rte_Call_Sa_MtrDrvDiag_NxtrDiagMgr_SetNTCStatus	1	~	

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Name	Input Value		
FF2Set_Cnt_T_lgc	1		
GateDriveFltAccPtr_Cnt_T_u16	tgt_GateDriveFltAccPtr_Cnt_T_u16		
Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32(CurrentTime)	tgt_Rte_Call_Sa_MtrDrvDiag_System	mTime_GetSystemTime_uS_u32_Curr	
SVDiag_FETFaultPhase_Cnt_M_enum	3		
SVDiag_FETFaultType_Cnt_M_enum	0		
k_GateDriveDiag_Cnt_str.Threshold	713		
k_GateDriveDiag_Cnt_str.PStep	44		
tgt_GateDriveFltAccPtr_Cnt_T_u16	65535		
tgt_Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32_Curr	0		
Name	Actual Value	Expected Value	Result
Rte_Call_Sa_MtrDrvDiag_NxtrDiagMgr_SetNTCStatus(NTC_Cnt_T_enum)	77	77	✓
Rte_Call_Sa_MtrDrvDiag_NxtrDiagMgr_SetNTCStatus(Param_Cnt_T_u08)	4	4	✓
Rte_Call_Sa_MtrDrvDiag_NxtrDiagMgr_SetNTCStatus(Status_Cnt_T_enum)	1	1	✓
SVDiag_FETFaultPhase_Cnt_M_enum	0	0	✓
SVDiag_FETFaultType_Cnt_M_enum	0	0	•
tgt GateDriveFltAccPtr Cnt T u16	713	713	1

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Actual Function	Count	Expected Function	Count	Result
Rte_Call_Sa_MtrDrvDiag_NxtrDiagMgr_SetNTCStatus	1	Rte_Call_Sa_MtrDrvDiag_NxtrDiagMgr_SetNTCStatus	1	~
ReadMtrDrvFltData	1	ReadMtrDrvFltData	1	~
Rte_Call_Sa_MtrDrvDiag_loHwAbPortConfig_SetFetFlt2ToOutput	1	Rte_Call_Sa_MtrDrvDiag_IoHwAbPortConfig_SetFetFlt2ToOutput	1	_
Rte_Call_Sa_MtrDrvDiag_FetFlt2Clk_OP_SET	1	Rte_Call_Sa_MtrDrvDiag_FetFlt2Clk_OP_SET	1	V
GateDrvWaitTime	1	GateDrvWaitTime Rte Call Sa MtrDrvDiag SystemTime GetSystemTime uS u32	1	~
Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32 Rte_Call_Sa_MtrDrvDiag_SystemTime_DtrmnElapsedTime_uS_u16	1	Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32 Rte_Call_Sa_MtrDrvDiag_SystemTime_DtrmnElapsedTime_uS_u16	1	
Rte_Call_Sa_MtrDrvDiag_FetFlt1Data_OP_GET	1	Rte_Call_Sa_MtrDrvDiag_EtFlt1Data_OP_GET	1	·
Rte Call Sa MtrDrvDiag FetFlt2Clk OP SET	1	Rte_Call_Sa_MtrDrvDiag_FetFlt2Clk_OP_SET	1	
GateDrvWaitTime	1	GateDrvWaitTime	1	V
Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32	1	Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32	1	
Rte Call Sa MtrDrvDiag SystemTime DtrmnElapsedTime uS u16	1	Rte_Call_Sa_MtrDrvDiag_SystemTime_DtrmnElapsedTime_uS_u16	1	~
Rte_Call_Sa_MtrDrvDiag_FetFlt2Clk_OP_SET	1	Rte_Call_Sa_MtrDrvDiag_FetFlt2Clk_OP_SET	1	-
GateDrvWaitTime	1	GateDrvWaitTime	1	~
Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32	1	Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32	1	~
Rte_Call_Sa_MtrDrvDiag_SystemTime_DtrmnElapsedTime_uS_u16	1	Rte_Call_Sa_MtrDrvDiag_SystemTime_DtrmnElapsedTime_uS_u16	1	~
Rte_Call_Sa_MtrDrvDiag_FetFlt1Data_OP_GET	1	Rte_Call_Sa_MtrDrvDiag_FetFlt1Data_OP_GET	1	~
Rte_Call_Sa_MtrDrvDiag_FetFlt2Clk_OP_SET	1	Rte_Call_Sa_MtrDrvDiag_FetFlt2Clk_OP_SET	1	~
GateDrvWaitTime	1	GateDrvWaitTime	1	~
Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32	1	Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32	1	~
Rte_Call_Sa_MtrDrvDiag_SystemTime_DtrmnElapsedTime_uS_u16	1	Rte_Call_Sa_MtrDrvDiag_SystemTime_DtrmnElapsedTime_uS_u16	1	~
Rte_Call_Sa_MtrDrvDiag_FetFlt2Clk_OP_SET	1	Rte_Call_Sa_MtrDrvDiag_FetFlt2Clk_OP_SET	1	~
GateDrvWaitTime	1	GateDrvWaitTime	1	~
Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32	1	Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32	1	~
Rte_Call_Sa_MtrDrvDiag_SystemTime_DtrmnElapsedTime_uS_u16	253	Rte_Call_Sa_MtrDrvDiag_SystemTime_DtrmnElapsedTime_uS_u16	253	~
Rte_Call_Sa_MtrDrvDiag_FetFlt1Data_OP_GET	1	Rte_Call_Sa_MtrDrvDiag_FetFlt1Data_OP_GET	1	~
Rte_Call_Sa_MtrDrvDiag_FetFlt2Clk_OP_SET	1	Rte_Call_Sa_MtrDrvDiag_FetFlt2Clk_OP_SET	1	~
GateDrvWaitTime	1	GateDrvWaitTime	1	V
Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32	1	Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32	1	~
Rte_Call_Sa_MtrDrvDiag_SystemTime_DtrmnElapsedTime_uS_u16	1	Rte_Call_Sa_MtrDrvDiag_SystemTime_DtrmnElapsedTime_uS_u16	1	V
Rte_Call_Sa_MtrDrvDiag_FetFlt2Clk_OP_SET	1	Rte_Call_Sa_MtrDrvDiag_FetFlt2Clk_OP_SET	1	*
GateDrvWaitTime	1	GateDrvWaitTime	1	
Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32	1	Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32 Rte_Call_Sa_MtrDrvDiag_SystemTime_DtrmnElapsedTime_uS_u16	1	~
Rte_Call_Sa_MtrDrvDiag_SystemTime_DtrmnElapsedTime_uS_u16 Rte_Call_Sa_MtrDrvDiag_FetFlt1Data_OP_GET	1	Rte_Call_Sa_MtrDrvDiag_System line_Dtrime_lapsed line_ds_u10	1	
Rte_Call_Sa_MtrDrvDiag_FetFlt2Clk_OP_SET	1	Rte_Call_Sa_MtrDrvDiag_FetFlt2Clk_OP_SET	1	· ·
GateDrvWaitTime	1	GateDrvWaitTime	1	
Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32	1	Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32	1	~
Rte_Call_Sa_MtrDrvDiag_SystemTime_DtrmnElapsedTime_uS_u16	1	Rte_Call_Sa_MtrDrvDiag_SystemTime_DtrmnElapsedTime_uS_u16	1	_
Rte_Call_Sa_MtrDrvDiag_FetFlt2Clk_OP_SET	1	Rte_Call_Sa_MtrDrvDiag_FetFlt2Clk_OP_SET	1	~
GateDrvWaitTime	1	GateDrvWaitTime	1	~
Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32	1	Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32	1	~
Rte_Call_Sa_MtrDrvDiag_SystemTime_DtrmnElapsedTime_uS_u16	253	Rte_Call_Sa_MtrDrvDiag_SystemTime_DtrmnElapsedTime_uS_u16	253	~
Rte_Call_Sa_MtrDrvDiag_FetFlt1Data_OP_GET	1	Rte_Call_Sa_MtrDrvDiag_FetFlt1Data_OP_GET	1	~
Rte_Call_Sa_MtrDrvDiag_FetFlt2Clk_OP_SET	1	Rte_Call_Sa_MtrDrvDiag_FetFlt2Clk_OP_SET	1	~
GateDrvWaitTime	1	GateDrvWaitTime	1	~
Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32	1	Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32	1	~
Rte_Call_Sa_MtrDrvDiag_SystemTime_DtrmnElapsedTime_uS_u16	1	Rte_Call_Sa_MtrDrvDiag_SystemTime_DtrmnElapsedTime_uS_u16	1	~
Rte_Call_Sa_MtrDrvDiag_FetFlt2Clk_OP_SET	1	Rte_Call_Sa_MtrDrvDiag_FetFlt2Clk_OP_SET	1	~
GateDrvWaitTime	1	GateDrvWaitTime	1	~
Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32	1	Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32	1	~
Rte_Call_Sa_MtrDrvDiag_SystemTime_DtrmnElapsedTime_uS_u16	1	Rte_Call_Sa_MtrDrvDiag_SystemTime_DtrmnElapsedTime_uS_u16	1	~
Rte_Call_Sa_MtrDrvDiag_FetFlt1Data_OP_GET	1	Rte_Call_Sa_MtrDrvDiag_FetFlt1Data_OP_GET	1	~
Rte_Call_Sa_MtrDrvDiag_FetFlt2Clk_OP_SET	1	Rte_Call_Sa_MtrDrvDiag_FetFlt2Clk_OP_SET	1	~
GateDrvWaitTime	1	GateDrvWaitTime	1	~
Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32	1	Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32	1	~
Rte_Call_Sa_MtrDrvDiag_SystemTime_DtrmnElapsedTime_uS_u16	1	Rte_Call_Sa_MtrDrvDiag_SystemTime_DtrmnElapsedTime_uS_u16	1	V
Rte_Call_Sa_MtrDrvDiag_FetFlt2Clk_OP_SET	1	Rte_Call_Sa_MtrDrvDiag_FetFlt2Clk_OP_SET	1	V
GateDrvWaitTime	1	GateDrvWaitTime	1	V
Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32 Rte_Call_Sa_MtrDrvDiag_SystemTime_DtrmnElapsedTime_uS_u16	253	Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32 Rte_Call_Sa_MtrDrvDiag_SystemTime_DtrmnElapsedTime_uS_u16	253	*
Rte_Call_Sa_MtrDrvDiag_FetFlt1Data_OP_GET	1	Rte_Call_Sa_MtrDrvDiag_SystemTime_DtrimielapsedTime_us_u16 Rte_Call_Sa_MtrDrvDiag_FetFlt1Data_OP_GET	1	~
Rte_Call_Sa_MtrDrvDiag_FetFit1Data_OP_GE1 Rte_Call_Sa_MtrDrvDiag_FetFit2Clk_OP_SET	1	Rte_Call_Sa_MtrDrvDiag_FetFit1Data_OP_GE1 Rte_Call_Sa_MtrDrvDiag_FetFlt2Clk_OP_SET	1	
GateDrvWaitTime	1	GateDrvWaitTime	1	~
Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32	1	Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32	1	
Rte_Call_Sa_MtrDrvDiag_SystemTime_DtrmnElapsedTime_uS_u16	1	Rte_Call_Sa_MtrDrvDiag_SystemTime_Uscall_Sa_MtrDrvDiag_SystemTime_DtrmnElapsedTime_uS_u16	1	
Rte_Call_Sa_MtrDrvDiag_FetFlt2Clk_OP_SET	1	Rte_Call_Sa_MtrDrvDiag_FetFlt2Clk_OP_SET	1	
GateDryWaitTime	1	GateDrvWaitTime	1	~
Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32	1	Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32	1	-
	1	Rte_Call_Sa_MtrDrvDiag_SystemTime_DtrmnElapsedTime_uS_u16	1	V
Rte_Call_Sa_MtrDrvDiag_SystemTime				
Rte_Call_Sa_MtrDrvDiag_SystemTime_DtrmnElapsedTime_uS_u16 Rte_Call_Sa_MtrDrvDiag_FetFlt1Data_OP_GET	1	Rte_Call_Sa_MtrDrvDiag_FetFlt1Data_OP_GET	1	~
	1	Rte_Call_Sa_MtrDrvDiag_FetFlt1Data_OP_GET Rte_Call_Sa_MtrDrvDiag_FetFlt2Clk_OP_SET	1	✓ ✓





Actual Function	Count	Expected Function	Count	Result
Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32	1	Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32	1	•
Rte_Call_Sa_MtrDrvDiag_SystemTime_DtrmnElapsedTime_uS_u16	1	Rte_Call_Sa_MtrDrvDiag_SystemTime_DtrmnElapsedTime_uS_u16	1	~
Rte_Call_Sa_MtrDrvDiag_FetFlt2Clk_OP_SET	1	Rte_Call_Sa_MtrDrvDiag_FetFlt2Clk_OP_SET	1	•
GateDrvWaitTime	1	GateDrvWaitTime	1	~
Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32	1	Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32	1	•
Rte_Call_Sa_MtrDrvDiag_SystemTime_DtrmnElapsedTime_uS_u16	253	Rte_Call_Sa_MtrDrvDiag_SystemTime_DtrmnElapsedTime_uS_u16	253	~
Rte_Call_Sa_MtrDrvDiag_FetFlt1Data_OP_GET	1	Rte_Call_Sa_MtrDrvDiag_FetFlt1Data_OP_GET	1	~
Rte_Call_Sa_MtrDrvDiag_FetFlt2Clk_OP_SET	1	Rte_Call_Sa_MtrDrvDiag_FetFlt2Clk_OP_SET	1	~
GateDrvWaitTime	1	GateDrvWaitTime	1	~
Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32	1	Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32	1	~
Rte_Call_Sa_MtrDrvDiag_SystemTime_DtrmnElapsedTime_uS_u16	1	Rte_Call_Sa_MtrDrvDiag_SystemTime_DtrmnElapsedTime_uS_u16	1	✓
Rte_Call_Sa_MtrDrvDiag_FetFlt2Clk_OP_SET	1	Rte_Call_Sa_MtrDrvDiag_FetFlt2Clk_OP_SET	1	~
GateDrvWaitTime	1	GateDrvWaitTime	1	•
Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32	1	Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32	1	~
Rte_Call_Sa_MtrDrvDiag_SystemTime_DtrmnElapsedTime_uS_u16	1	Rte_Call_Sa_MtrDrvDiag_SystemTime_DtrmnElapsedTime_uS_u16	1	•
Rte_Call_Sa_MtrDrvDiag_FetFlt1Data_OP_GET	1	Rte_Call_Sa_MtrDrvDiag_FetFlt1Data_OP_GET	1	~
Rte_Call_Sa_MtrDrvDiag_FetFlt2Clk_OP_SET	1	Rte_Call_Sa_MtrDrvDiag_FetFlt2Clk_OP_SET	1	~
GateDrvWaitTime	1	GateDrvWaitTime	1	~
Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32	1	Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32	1	~
Rte_Call_Sa_MtrDrvDiag_SystemTime_DtrmnElapsedTime_uS_u16	1	Rte_Call_Sa_MtrDrvDiag_SystemTime_DtrmnElapsedTime_uS_u16	1	~
Rte_Call_Sa_MtrDrvDiag_IoHwAbPortConfig_SetFetFlt2ToOutput	1	Rte_Call_Sa_MtrDrvDiag_IoHwAbPortConfig_SetFetFlt2ToOutput	1	•

Test Step 2.5 (Repeat Count = 1)			✓
Name	Input Value		
FF2Set_Cnt_T_lgc	0		
GateDriveFltAccPtr_Cnt_T_u16	tgt_GateDriveFltAccPtr_Cnt_T_u16		
Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32(CurrentTime)	tgt_Rte_Call_Sa_MtrDrvDiag_System	Time_GetSystemTime_uS_u32_Curr	
SVDiag_FETFaultPhase_Cnt_M_enum	2		
SVDiag_FETFaultType_Cnt_M_enum	1		
k_GateDriveDiag_Cnt_str.Threshold	624		
k_GateDriveDiag_Cnt_str.PStep	2345		
tgt_GateDriveFltAccPtr_Cnt_T_u16	1445		
tgt_Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32_Curr	4294967295		
Name	Actual Value	Expected Value	Result
Rte_Call_Sa_MtrDrvDiag_NxtrDiagMgr_SetNTCStatus(NTC_Cnt_T_enum)	77	77	~
Rte_Call_Sa_MtrDrvDiag_NxtrDiagMgr_SetNTCStatus(Param_Cnt_T_u08)	1	1	✓
Rte_Call_Sa_MtrDrvDiag_NxtrDiagMgr_SetNTCStatus(Status_Cnt_T_enum)	1	1	✓
SVDiag_FETFaultPhase_Cnt_M_enum	2	2	✓
SVDiag_FETFaultType_Cnt_M_enum	1	1	✓
tgt_GateDriveFltAccPtr_Cnt_T_u16	624	624	✓

Test Step Call Trace					
Actual Function	Count	Expected Function	Count	Result	
Rte_Call_Sa_MtrDrvDiag_NxtrDiagMgr_SetNTCStatus	1	Rte_Call_Sa_MtrDrvDiag_NxtrDiagMgr_SetNTCStatus	1	~	

Test Step 2.6 (Repeat Count = 1)			
Name	Input Value		
FF2Set_Cnt_T_lgc	1		
GateDriveFltAccPtr_Cnt_T_u16	tgt_GateDriveFltAccPtr_Cnt_T_u16		
Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32(CurrentTime)	tgt_Rte_Call_Sa_MtrDrvDiag_SystemTi	me_GetSystemTime_uS_u32_Curr	
SVDiag_FETFaultPhase_Cnt_M_enum	1		
SVDiag_FETFaultType_Cnt_M_enum	2		
k_GateDriveDiag_Cnt_str.Threshold	0		
k_GateDriveDiag_Cnt_str.PStep	632		
tgt_GateDriveFltAccPtr_Cnt_T_u16	4577		
tgt_Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32_Curr	15000		
Name	Actual Value	Expected Value	Result
Rte_Call_Sa_MtrDrvDiag_NxtrDiagMgr_SetNTCStatus(NTC_Cnt_T_enum)	77	77	-
Rte_Call_Sa_MtrDrvDiag_NxtrDiagMgr_SetNTCStatus(Param_Cnt_T_u08)	4	4	•
Rte_Call_Sa_MtrDrvDiag_NxtrDiagMgr_SetNTCStatus(Status_Cnt_T_enum)	1	1	-
SVDiag_FETFaultPhase_Cnt_M_enum	0	0	•
SVDiag_FETFaultType_Cnt_M_enum	0	0	•
tgt GateDriveFltAccPtr Cnt T u16	0	0	

ProcGateDriveFlt

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Actual Function		Expected Function		Result
Rte_Call_Sa_MtrDrvDiag_NxtrDiagMgr_SetNTCStatus	1	Rte_Call_Sa_MtrDrvDiag_NxtrDiagMgr_SetNTCStatus	1	~
ReadMtrDrvFltData	1	ReadMtrDrvFltData	1	V
Rte_Call_Sa_MtrDrvDiag_loHwAbPortConfig_SetFetFlt2ToOutput Rte_Call_Sa_MtrDrvDiag_FetFlt2Clk_OP_SET	1	Rte_Call_Sa_MtrDrvDiag_loHwAbPortConfig_SetFetFlt2ToOutput Rte_Call_Sa_MtrDrvDiag_FetFlt2Clk_OP_SET	1	✓ ✓
GateDrvWaitTime	1	GateDryWaitTime	1	J
Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32	1	Rte Call Sa MtrDrvDiag SystemTime GetSystemTime uS u32	1	~
Rte_Call_Sa_MtrDrvDiag_SystemTime_DtrmnElapsedTime_uS_u16	1	Rte_Call_Sa_MtrDrvDiag_SystemTime_DtrmnElapsedTime_uS_u16	1	-
Rte_Call_Sa_MtrDrvDiag_FetFlt1Data_OP_GET	1	Rte_Call_Sa_MtrDrvDiag_FetFlt1Data_OP_GET	1	~
Rte_Call_Sa_MtrDrvDiag_FetFlt2Clk_OP_SET	1	Rte_Call_Sa_MtrDrvDiag_FetFlt2Clk_OP_SET	1	~
GateDrvWaitTime	1	GateDrvWaitTime	1	~
Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32	1	Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32	1	~
Rte_Call_Sa_MtrDrvDiag_SystemTime_DtrmnElapsedTime_uS_u16	1	Rte_Call_Sa_MtrDrvDiag_SystemTime_DtrmnElapsedTime_uS_u16	1	~
Rte_Call_Sa_MtrDrvDiag_FetFlt2Clk_OP_SET	1	Rte_Call_Sa_MtrDrvDiag_FetFlt2Clk_OP_SET	1	~
GateDrvWaitTime	1	GateDrvWaitTime	1	~
Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32	1	Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32	1	
Rte_Call_Sa_MtrDrvDiag_SystemTime_DtrmnElapsedTime_uS_u16	1	Rte_Call_Sa_MtrDrvDiag_SystemTime_DtrmnElapsedTime_uS_u16	1	V
Rte_Call_Sa_MtrDrvDiag_FetFlt1Data_OP_GET Rte_Call_Sa_MtrDrvDiag_FetFlt2Clk_OP_SET	1	Rte_Call_Sa_MtrDrvDiag_FetFlt1Data_OP_GET Rte_Call_Sa_MtrDrvDiag_FetFlt2Clk_OP_SET	1	~
GateDrvWaitTime	1	GateDrvWaitTime	1	
Rte Call Sa MtrDrvDiag SystemTime GetSystemTime uS u32	1	Rte Call Sa MtrDrvDiag SystemTime GetSystemTime uS u32	1	~
Rte_Call_Sa_MtrDrvDiag_SystemTime_DtrmnElapsedTime_uS_u16	1	Rte_Call_Sa_MtrDrvDiag_SystemTime_DtrmnElapsedTime_uS_u16	1	
Rte Call Sa MtrDrvDiag FetFlt2Clk OP SET	1	Rte_Call_Sa_MtrDrvDiag_FetFlt2Clk_OP_SET	1	•
GateDrvWaitTime	1	GateDrvWaitTime	1	~
Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32	1	Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32	1	~
Rte_Call_Sa_MtrDrvDiag_SystemTime_DtrmnElapsedTime_uS_u16	253	Rte_Call_Sa_MtrDrvDiag_SystemTime_DtrmnElapsedTime_uS_u16	253	~
Rte_Call_Sa_MtrDrvDiag_FetFlt1Data_OP_GET	1	Rte_Call_Sa_MtrDrvDiag_FetFlt1Data_OP_GET	1	~
Rte_Call_Sa_MtrDrvDiag_FetFlt2Clk_OP_SET	1	Rte_Call_Sa_MtrDrvDiag_FetFlt2Clk_OP_SET	1	~
GateDrvWaitTime	1	GateDrvWaitTime	1	~
Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32	1	Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32	1	~
Rte_Call_Sa_MtrDrvDiag_SystemTime_DtrmnElapsedTime_uS_u16	1	Rte_Call_Sa_MtrDrvDiag_SystemTime_DtrmnElapsedTime_uS_u16	1	~
Rte_Call_Sa_MtrDrvDiag_FetFlt2Clk_OP_SET	1	Rte_Call_Sa_MtrDrvDiag_FetFlt2Clk_OP_SET	1	
GateDrvWaitTime	1	GateDrvWaitTime	1	V
Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32	1	Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32	1	V
Rte_Call_Sa_MtrDrvDiag_SystemTime_DtrmnElapsedTime_uS_u16 Rte_Call_Sa_MtrDrvDiag_FetFlt1Data_OP_GET	1	Rte_Call_Sa_MtrDrvDiag_SystemTime_DtrmnElapsedTime_uS_u16 Rte_Call_Sa_MtrDrvDiag_FetFlt1Data_OP_GET	1	
Rte_Call_Sa_MtrDrvDiag_FetFlt2Clk_OP_SET	1	Rte_Call_Sa_MtrDrvDiag_FetFlt2Clk_OP_SET	1	-
GateDrvWaitTime	1	GateDrvWaitTime	1	
Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32	1	Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32	1	•
Rte_Call_Sa_MtrDrvDiag_SystemTime_DtrmnElapsedTime_uS_u16	1	Rte_Call_Sa_MtrDrvDiag_SystemTime_DtrmnElapsedTime_uS_u16	1	~
Rte_Call_Sa_MtrDrvDiag_FetFlt2Clk_OP_SET	1	Rte_Call_Sa_MtrDrvDiag_FetFlt2Clk_OP_SET	1	~
GateDrvWaitTime	1	GateDrvWaitTime	1	~
Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32	1	Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32	1	~
Rte_Call_Sa_MtrDrvDiag_SystemTime_DtrmnElapsedTime_uS_u16	253	Rte_Call_Sa_MtrDrvDiag_SystemTime_DtrmnElapsedTime_uS_u16	253	~
Rte_Call_Sa_MtrDrvDiag_FetFlt1Data_OP_GET	1	Rte_Call_Sa_MtrDrvDiag_FetFlt1Data_OP_GET	1	~
Rte_Call_Sa_MtrDrvDiag_FetFlt2Clk_OP_SET	1	Rte_Call_Sa_MtrDrvDiag_FetFlt2Clk_OP_SET	1	~
GateDrvWaitTime	1	GateDrvWaitTime	1	~
Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32	1	Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32	1	V
Rte_Call_Sa_MtrDrvDiag_SystemTime_DtrmnElapsedTime_uS_u16 Rte Call Sa MtrDrvDiag FetFlt2Clk OP SET	1	Rte_Call_Sa_MtrDrvDiag_SystemTime_DtrmnElapsedTime_uS_u16 Rte_Call_Sa_MtrDrvDiag_FetFlt2Clk_OP_SET	1	*
GateDrvWaitTime	1	GateDrvWaitTime	1	~
Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32	1	Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32	1	Ž
Rte Call Sa MtrDrvDiag SystemTime DtrmnElapsedTime uS u16	1	Rte Call Sa MtrDrvDiag SystemTime DtrmnElapsedTime uS u16	1	~
Rte Call Sa MtrDrvDiag FetFlt1Data OP GET	1	Rte_Call_Sa_MtrDrvDiag_FetFlt1Data_OP_GET	1	~
Rte_Call_Sa_MtrDrvDiag_FetFlt2Clk_OP_SET	1	Rte_Call_Sa_MtrDrvDiag_FetFlt2Clk_OP_SET	1	~
GateDrvWaitTime	1	GateDrvWaitTime	1	~
Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32	1	Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32	1	~
Rte_Call_Sa_MtrDrvDiag_SystemTime_DtrmnElapsedTime_uS_u16	1	Rte_Call_Sa_MtrDrvDiag_SystemTime_DtrmnElapsedTime_uS_u16	1	~
Rte_Call_Sa_MtrDrvDiag_FetFlt2Clk_OP_SET	1	Rte_Call_Sa_MtrDrvDiag_FetFlt2Clk_OP_SET	1	•
GateDrvWaitTime	1	GateDrvWaitTime	1	~
Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32	1	Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32	1	~
Rte_Call_Sa_MtrDrvDiag_SystemTime_DtrmnElapsedTime_uS_u16	253	Rte_Call_Sa_MtrDrvDiag_SystemTime_DtrmnElapsedTime_uS_u16	253	~
Rte_Call_Sa_MtrDrvDiag_FetFlt1Data_OP_GET	1	Rte_Call_Sa_MtrDrvDiag_FetFlt1Data_OP_GET	1	~
Rte_Call_Sa_MtrDrvDiag_FetFlt2Clk_OP_SET	1	Rte_Call_Sa_MtrDrvDiag_FetFlt2Clk_OP_SET	1	· ·
GateDrvWaitTime Pto Call So MtrDrvDing SystemTime CotSystemTime us us use	1	GateDrvWaitTime	1	V
Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32	1	Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32	1	V
Rte_Call_Sa_MtrDrvDiag_SystemTime_DtrmnElapsedTime_uS_u16	1	Rte_Call_Sa_MtrDrvDiag_SystemTime_DtrmnElapsedTime_uS_u16	1	*
Rte_Call_Sa_MtrDrvDiag_FetFlt2Clk_OP_SET GateDrvWaitTime	1	Rte_Call_Sa_MtrDrvDiag_FetFlt2Clk_OP_SET GateDrvWaitTime	1	
CateDivivalitime	1	Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32	1	~
Rte Call Sa MtrDrvDiag SystemTime GetSystemTime us us2	1.1	caca_min_reliag_cyclemnine_coloystemnine_uc_ucz		
Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32 Rte_Call_Sa_MtrDrvDiag_SystemTime_DtrmnElapsedTime_uS_u16	1	Rte Call Sa MtrDrvDiag SystemTime DtrmnElapsedTime uS u16	1	_
Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32 Rte_Call_Sa_MtrDrvDiag_SystemTime_DtrmnElapsedTime_uS_u16 Rte_Call_Sa_MtrDrvDiag_FetFlt1Data_OP_GET	1	Rte_Call_Sa_MtrDrvDiag_SystemTime_DtrmnElapsedTime_uS_u16 Rte_Call_Sa_MtrDrvDiag_FetFlt1Data_OP_GET	1	*
Rte_Call_Sa_MtrDrvDiag_SystemTime_DtrmnElapsedTime_uS_u16				





Actual Function	Count	Expected Function	Count	Result
Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32	1	Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32	1	~
Rte_Call_Sa_MtrDrvDiag_SystemTime_DtrmnElapsedTime_uS_u16	1	Rte_Call_Sa_MtrDrvDiag_SystemTime_DtrmnElapsedTime_uS_u16	1	~
Rte_Call_Sa_MtrDrvDiag_FetFlt2Clk_OP_SET	1	Rte_Call_Sa_MtrDrvDiag_FetFlt2Clk_OP_SET	1	~
GateDrvWaitTime	1	GateDrvWaitTime	1	~
Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32	1	Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32	1	•
Rte_Call_Sa_MtrDrvDiag_SystemTime_DtrmnElapsedTime_uS_u16	253	Rte_Call_Sa_MtrDrvDiag_SystemTime_DtrmnElapsedTime_uS_u16	253	•
Rte_Call_Sa_MtrDrvDiag_FetFlt1Data_OP_GET	1	Rte_Call_Sa_MtrDrvDiag_FetFlt1Data_OP_GET	1	~
Rte_Call_Sa_MtrDrvDiag_FetFlt2Clk_OP_SET	1	Rte_Call_Sa_MtrDrvDiag_FetFlt2Clk_OP_SET	1	~
GateDrvWaitTime	1	GateDrvWaitTime	1	~
Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32	1	Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32	1	~
Rte_Call_Sa_MtrDrvDiag_SystemTime_DtrmnElapsedTime_uS_u16	1	Rte_Call_Sa_MtrDrvDiag_SystemTime_DtrmnElapsedTime_uS_u16	1	~
Rte_Call_Sa_MtrDrvDiag_FetFlt2Clk_OP_SET	1	Rte_Call_Sa_MtrDrvDiag_FetFlt2Clk_OP_SET	1	~
GateDrvWaitTime	1	GateDrvWaitTime	1	•
Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32	1	Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32	1	•
Rte_Call_Sa_MtrDrvDiag_SystemTime_DtrmnElapsedTime_uS_u16	1	Rte_Call_Sa_MtrDrvDiag_SystemTime_DtrmnElapsedTime_uS_u16	1	•
Rte_Call_Sa_MtrDrvDiag_FetFlt1Data_OP_GET	1	Rte_Call_Sa_MtrDrvDiag_FetFlt1Data_OP_GET	1	~
Rte_Call_Sa_MtrDrvDiag_FetFlt2Clk_OP_SET	1	Rte_Call_Sa_MtrDrvDiag_FetFlt2Clk_OP_SET	1	~
GateDrvWaitTime	1	GateDrvWaitTime	1	~
Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32	1	Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32	1	~
Rte_Call_Sa_MtrDrvDiag_SystemTime_DtrmnElapsedTime_uS_u16	1	Rte_Call_Sa_MtrDrvDiag_SystemTime_DtrmnElapsedTime_uS_u16	1	~
Rte_Call_Sa_MtrDrvDiag_IoHwAbPortConfig_SetFetFlt2ToOutput	1	Rte_Call_Sa_MtrDrvDiag_IoHwAbPortConfig_SetFetFlt2ToOutput	1	~

Test Step 2.7 (Repeat Count = 1)			✓
Name	Input Value		
FF2Set_Cnt_T_lgc	1		
GateDriveFltAccPtr_Cnt_T_u16	tgt_GateDriveFltAccPtr_Cnt_T_u	16	
Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32(CurrentTime)	tgt_Rte_Call_Sa_MtrDrvDiag_Sy	stemTime_GetSystemTime_uS_u32_Curr	
SVDiag_FETFaultPhase_Cnt_M_enum	0		
SVDiag_FETFaultType_Cnt_M_enum	2		
k_GateDriveDiag_Cnt_str.Threshold	65535		
k_GateDriveDiag_Cnt_str.PStep	1314		
tgt_GateDriveFltAccPtr_Cnt_T_u16	134		
tgt_Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32_Curr	0		
Name	Actual Value	Expected Value	Result
Rte_Call_Sa_MtrDrvDiag_NxtrDiagMgr_SetNTCStatus(NTC_Cnt_T_enum)	77	*none*	~
Rte_Call_Sa_MtrDrvDiag_NxtrDiagMgr_SetNTCStatus(Param_Cnt_T_u08)	4	*none*	✓
Rte_Call_Sa_MtrDrvDiag_NxtrDiagMgr_SetNTCStatus(Status_Cnt_T_enum)	1	*none*	✓
SVDiag_FETFaultPhase_Cnt_M_enum	0	0	~
SVDiag_FETFaultType_Cnt_M_enum	2	2	~
tgt_GateDriveFltAccPtr_Cnt_T_u16	1448	1448	✓

Test Step Call Trace					
Actual Function	Count	Expected Function	Count	Result	
none	0	*** No Call Expected ***	0	~	

Name	Innut Value		
Name	Input Value		
FF2Set_Cnt_T_lgc	0		
GateDriveFltAccPtr_Cnt_T_u16	tgt_GateDriveFltAccPtr_Cnt_T_u16		
Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32(CurrentTime)	tgt_Rte_Call_Sa_MtrDrvDiag_System7	Fime_GetSystemTime_uS_u32_Curr	
SVDiag_FETFaultPhase_Cnt_M_enum	2		
SVDiag_FETFaultType_Cnt_M_enum	1		
k_GateDriveDiag_Cnt_str.Threshold	3426		
k_GateDriveDiag_Cnt_str.PStep	733		
tgt_GateDriveFltAccPtr_Cnt_T_u16	366		
tgt_Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32_Curr	4000		
Name	Actual Value	Expected Value	Result
Rte_Call_Sa_MtrDrvDiag_NxtrDiagMgr_SetNTCStatus(NTC_Cnt_T_enum)	77	*none*	-
Rte_Call_Sa_MtrDrvDiag_NxtrDiagMgr_SetNTCStatus(Param_Cnt_T_u08)	4	*none*	✓
Rte_Call_Sa_MtrDrvDiag_NxtrDiagMgr_SetNTCStatus(Status_Cnt_T_enum)	1	*none*	✓
SVDiag_FETFaultPhase_Cnt_M_enum	2	2	✓
SVDiag_FETFaultType_Cnt_M_enum	1	1	✓
tgt GateDriveFltAccPtr Cnt T u16	1099	1099	





Test Step Call Trace				
Actual Function	Count	Expected Function	Count	Result
none	0	*** No Call Expected ***	0	~

Test Step 2.9 (Repeat Count = 1)			V
Name	Input Value		
FF2Set_Cnt_T_lgc	0		
GateDriveFltAccPtr_Cnt_T_u16	tgt_GateDriveFltAccPtr_Cnt_T_u16		
Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32(CurrentTime)	tgt_Rte_Call_Sa_MtrDrvDiag_SystemTime_	GetSystemTime_uS_u32_Curr	
SVDiag_FETFaultPhase_Cnt_M_enum	3		
SVDiag_FETFaultType_Cnt_M_enum	2		
k_GateDriveDiag_Cnt_str.Threshold	5632		
k_GateDriveDiag_Cnt_str.PStep	0		
tgt_GateDriveFltAccPtr_Cnt_T_u16	854		
tgt_Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32_Curr	4500		
Name	Actual Value	Expected Value	Result
Rte_Call_Sa_MtrDrvDiag_NxtrDiagMgr_SetNTCStatus(NTC_Cnt_T_enum)	77	*none*	~
Rte_Call_Sa_MtrDrvDiag_NxtrDiagMgr_SetNTCStatus(Param_Cnt_T_u08)	4	*none*	~
Rte_Call_Sa_MtrDrvDiag_NxtrDiagMgr_SetNTCStatus(Status_Cnt_T_enum)	1	*none*	~
SVDiag_FETFaultPhase_Cnt_M_enum	3	3	~
SVDiag_FETFaultType_Cnt_M_enum	2	2	~
tgt_GateDriveFltAccPtr_Cnt_T_u16	854	854	~

Test Step Call Trace				
Actual Function	Count	Expected Function	Count	Result
none	0	*** No Call Expected ***	0	~

Test Step 2.10 (Repeat Count = 1)			~
Name	Input Value		
FF2Set_Cnt_T_lgc	1		
GateDriveFltAccPtr_Cnt_T_u16	tgt_GateDriveFltAccPtr_Cnt_T_u16		
Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32(CurrentTime)	tgt_Rte_Call_Sa_MtrDrvDiag_SystemTime_	GetSystemTime_uS_u32_Curr	
SVDiag_FETFaultPhase_Cnt_M_enum	1		
SVDiag_FETFaultType_Cnt_M_enum	0		
k_GateDriveDiag_Cnt_str.Threshold	123		
k_GateDriveDiag_Cnt_str.PStep	65535		
tgt_GateDriveFltAccPtr_Cnt_T_u16	713		
tgt_Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32_Curr	50000		
Name	Actual Value	Expected Value	Result
Rte_Call_Sa_MtrDrvDiag_NxtrDiagMgr_SetNTCStatus(NTC_Cnt_T_enum)	77	77	~
Rte_Call_Sa_MtrDrvDiag_NxtrDiagMgr_SetNTCStatus(Param_Cnt_T_u08)	4	4	•
Rte_Call_Sa_MtrDrvDiag_NxtrDiagMgr_SetNTCStatus(Status_Cnt_T_enum)	1	1	~
SVDiag_FETFaultPhase_Cnt_M_enum	1	1	•
SVDiag_FETFaultType_Cnt_M_enum	1	1	~
tgt_GateDriveFltAccPtr_Cnt_T_u16	123	123	~

ProcGateDriveFlt

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Actual Function		Expected Function		Result
Rte_Call_Sa_MtrDrvDiag_NxtrDiagMgr_SetNTCStatus	1	Rte_Call_Sa_MtrDrvDiag_NxtrDiagMgr_SetNTCStatus	1	•
ReadMtrDrvFltData	1	ReadMtrDrvFltData	1	•
Rte_Call_Sa_MtrDrvDiag_IoHwAbPortConfig_SetFetFlt2ToOutput	1	Rte_Call_Sa_MtrDrvDiag_IoHwAbPortConfig_SetFetFlt2ToOutput	1	•
Rte_Call_Sa_MtrDrvDiag_FetFlt2Clk_OP_SET	1	Rte_Call_Sa_MtrDrvDiag_FetFlt2Clk_OP_SET	1	
GateDrvWaitTime	1	GateDrvWaitTime	1	
Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32	1	Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32	1	
Rte_Call_Sa_MtrDrvDiag_SystemTime_DtrmnElapsedTime_uS_u16 Rte_Call_Sa_MtrDrvDiag_FetFlt1Data_OP_GET	1	Rte_Call_Sa_MtrDrvDiag_SystemTime_DtrmnElapsedTime_uS_u16 Rte_Call_Sa_MtrDrvDiag_FetFlt1Data_OP_GET	1	
Rte_Call_Sa_MtrDrvDiag_FetFlt2Clk_OP_SET	1	Rte Call Sa MtrDrvDiag FetFlt2Clk OP SET	1	
GateDrvWaitTime	1	GateDrvWaitTime	1	
Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32	1	Rte Call Sa MtrDrvDiag SystemTime GetSystemTime uS u32	1	
Rte Call Sa MtrDrvDiag SystemTime DtrmnElapsedTime uS u16	1	Rte Call Sa MtrDrvDiag SystemTime DtrmnElapsedTime uS u16	1	•
Rte_Call_Sa_MtrDrvDiag_FetFlt2Clk_OP_SET	1	Rte_Call_Sa_MtrDrvDiag_FetFlt2Clk_OP_SET	1	
GateDrvWaitTime	1	GateDrvWaitTime	1	•
Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32	1	Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32	1	_
Rte_Call_Sa_MtrDrvDiag_SystemTime_DtrmnElapsedTime_uS_u16	1	Rte_Call_Sa_MtrDrvDiag_SystemTime_DtrmnElapsedTime_uS_u16	1	-
Rte_Call_Sa_MtrDrvDiag_FetFlt1Data_OP_GET	1	Rte_Call_Sa_MtrDrvDiag_FetFlt1Data_OP_GET	1	-
Rte_Call_Sa_MtrDrvDiag_FetFlt2Clk_OP_SET	1	Rte_Call_Sa_MtrDrvDiag_FetFlt2Clk_OP_SET	1	-
GateDrvWaitTime	1	GateDrvWaitTime	1	-
Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32	1	Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32	1	•
Rte_Call_Sa_MtrDrvDiag_SystemTime_DtrmnElapsedTime_uS_u16	1	Rte_Call_Sa_MtrDrvDiag_SystemTime_DtrmnElapsedTime_uS_u16	1	-
Rte_Call_Sa_MtrDrvDiag_FetFlt2Clk_OP_SET	1	Rte_Call_Sa_MtrDrvDiag_FetFlt2Clk_OP_SET	1	•
GateDrvWaitTime	1	GateDrvWaitTime	1	•
Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32	1	Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32	1	•
Rte_Call_Sa_MtrDrvDiag_SystemTime_DtrmnElapsedTime_uS_u16	253	Rte_Call_Sa_MtrDrvDiag_SystemTime_DtrmnElapsedTime_uS_u16	253	~
Rte_Call_Sa_MtrDrvDiag_FetFlt1Data_OP_GET	1	Rte_Call_Sa_MtrDrvDiag_FetFlt1Data_OP_GET	1	~
Rte_Call_Sa_MtrDrvDiag_FetFlt2Clk_OP_SET	1	Rte_Call_Sa_MtrDrvDiag_FetFlt2Clk_OP_SET	1	•
GateDrvWaitTime	1	GateDrvWaitTime	1	•
Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32	1	Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32	1	•
Rte_Call_Sa_MtrDrvDiag_SystemTime_DtrmnElapsedTime_uS_u16	1	Rte_Call_Sa_MtrDrvDiag_SystemTime_DtrmnElapsedTime_uS_u16	1	•
Rte_Call_Sa_MtrDrvDiag_FetFlt2Clk_OP_SET	1	Rte_Call_Sa_MtrDrvDiag_FetFlt2Clk_OP_SET	1	•
GateDrvWaitTime	1	GateDrvWaitTime	1	\ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \
Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32	1	Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32	1	-
Rte_Call_Sa_MtrDrvDiag_SystemTime_DtrmnElapsedTime_uS_u16 Rte_Call_Sa_MtrDrvDiag_FetFlt1Data_OP_GET	1	Rte_Call_Sa_MtrDrvDiag_SystemTime_DtrmnElapsedTime_uS_u16 Rte_Call_Sa_MtrDrvDiag_FetFlt1Data_OP_GET	1	
Rte_Call_Sa_MtrDrvDiag_FetFlt2Clk_OP_SET	1	Rte_Call_Sa_MtrDrvDiag_FetFlt2Clk_OP_SET	1	
GateDrvWaitTime	1	GateDrvWaitTime	1	
Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32	1	Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32	1	•
Rte Call Sa MtrDrvDiag SystemTime DtrmnElapsedTime uS u16	1	Rte_Call_Sa_MtrDrvDiag_SystemTime_DtrmnElapsedTime_uS_u16	1	
Rte_Call_Sa_MtrDrvDiag_FetFlt2Clk_OP_SET	1	Rte_Call_Sa_MtrDrvDiag_FetFlt2Clk_OP_SET	1	•
GateDrvWaitTime	1	GateDrvWaitTime	1	
Rte Call Sa MtrDrvDiag SystemTime GetSystemTime uS u32	1	Rte Call Sa MtrDrvDiag SystemTime GetSystemTime uS u32	1	-
Rte_Call_Sa_MtrDrvDiag_SystemTime_DtrmnElapsedTime_uS_u16	253	Rte_Call_Sa_MtrDrvDiag_SystemTime_DtrmnElapsedTime_uS_u16	253	-
Rte_Call_Sa_MtrDrvDiag_FetFlt1Data_OP_GET	1	Rte_Call_Sa_MtrDrvDiag_FetFlt1Data_OP_GET	1	-
Rte_Call_Sa_MtrDrvDiag_FetFlt2Clk_OP_SET	1	Rte_Call_Sa_MtrDrvDiag_FetFlt2Clk_OP_SET	1	-
GateDrvWaitTime	1	GateDrvWaitTime	1	•
Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32	1	Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32	1	-
Rte_Call_Sa_MtrDrvDiag_SystemTime_DtrmnElapsedTime_uS_u16	1	Rte_Call_Sa_MtrDrvDiag_SystemTime_DtrmnElapsedTime_uS_u16	1	•
Rte_Call_Sa_MtrDrvDiag_FetFlt2Clk_OP_SET	1	Rte_Call_Sa_MtrDrvDiag_FetFlt2Clk_OP_SET	1	-
GateDrvWaitTime	1	GateDrvWaitTime	1	•
Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32	1	Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32	1	-
Rte_Call_Sa_MtrDrvDiag_SystemTime_DtrmnElapsedTime_uS_u16	1	Rte_Call_Sa_MtrDrvDiag_SystemTime_DtrmnElapsedTime_uS_u16	1	•
Rte_Call_Sa_MtrDrvDiag_FetFlt1Data_OP_GET	1	Rte_Call_Sa_MtrDrvDiag_FetFlt1Data_OP_GET	1	~
Rte_Call_Sa_MtrDrvDiag_FetFlt2Clk_OP_SET	1	Rte_Call_Sa_MtrDrvDiag_FetFlt2Clk_OP_SET	1	•
GateDrvWaitTime	1	GateDrvWaitTime	1	~
Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32	1	Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32	1	-
Rte_Call_Sa_MtrDrvDiag_SystemTime_DtrmnElapsedTime_uS_u16	1	Rte_Call_Sa_MtrDrvDiag_SystemTime_DtrmnElapsedTime_uS_u16	1	_
Rte_Call_Sa_MtrDrvDiag_FetFlt2Clk_OP_SET	1	Rte_Call_Sa_MtrDrvDiag_FetFlt2Clk_OP_SET	1	•
GateDrvWaitTime	1	GateDrvWaitTime	1	-
Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32	1	Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32	1	•
Rte_Call_Sa_MtrDrvDiag_SystemTime_DtrmnElapsedTime_uS_u16	253	Rte_Call_Sa_MtrDrvDiag_SystemTime_DtrmnElapsedTime_uS_u16	253	•
Rte_Call_Sa_MtrDrvDiag_FetFlt1Data_OP_GET	1	Rte_Call_Sa_MtrDrvDiag_FetFlt1Data_OP_GET		•
Rte_Call_Sa_MtrDrvDiag_FetFlt2Clk_OP_SET	1	Rte_Call_Sa_MtrDrvDiag_FetFlt2Clk_OP_SET	1	•
GateDrvWaitTime Pte Call Sa MtrDrvDiag SystemTime GetSystemTime u.S. u.32	1	GateDrvWaitTime Rta Call Sa MtrDrvDiag SystemTime GetSystemTime us us2	1	Ĭ
Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32 Rte_Call_Sa_MtrDrvDiag_SystemTime_DtrmnElapsedTime_uS_u16	1	Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32 Rte_Call_Sa_MtrDrvDiag_SystemTime_DtrmnElapsedTime_uS_u16	1	•
Rte_Call_Sa_MtrDrvDiag_SystemTime_DtrmnElapsedTime_uS_u16 Rte_Call_Sa_MtrDrvDiag_FetFlt2Clk_OP_SET	1	Rte_Call_Sa_MtrDrvDiag_SystemTime_DtrmnEiapsedTime_uS_u16 Rte_Call_Sa_MtrDrvDiag_FetFlt2Clk_OP_SET	1	Ĭ
Rite_Call_Sa_MtrDrvDlag_FetFit2Clk_OP_SE I GateDrvWaitTime	1	GateDrvWaitTime	1	•
Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32	1	Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32	1	Ĭ
Rte_Call_Sa_MtrDrvDiag_SystemTime_Us_us_us6	1	Rte_Call_Sa_MtrDrvDiag_SystemTime_US_u16	1	
	1	Rte_Call_Sa_MtrDrvDiag_FetFlt1Data_OP_GET	1	
Rte Call Sa MtrDrvDiag FetFlt1Data OP GF1				
Rte_Call_Sa_MtrDrvDiag_FetFlt1Data_OP_GET Rte_Call_Sa_MtrDrvDiag_FetFlt2Clk_OP_SET	1	Rte_Call_Sa_MtrDrvDiag_FetFlt2Clk_OP_SET	1	•





Actual Function	Count	Expected Function	Count	Result
Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32	1	Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32	1	~
Rte_Call_Sa_MtrDrvDiag_SystemTime_DtrmnElapsedTime_uS_u16	1	Rte_Call_Sa_MtrDrvDiag_SystemTime_DtrmnElapsedTime_uS_u16	1	~
Rte_Call_Sa_MtrDrvDiag_FetFlt2Clk_OP_SET	1	Rte_Call_Sa_MtrDrvDiag_FetFlt2Clk_OP_SET	1	~
GateDrvWaitTime	1	GateDrvWaitTime	1	~
Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32	1	Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32	1	~
Rte_Call_Sa_MtrDrvDiag_SystemTime_DtrmnElapsedTime_uS_u16	253	Rte_Call_Sa_MtrDrvDiag_SystemTime_DtrmnElapsedTime_uS_u16	253	~
Rte_Call_Sa_MtrDrvDiag_FetFlt1Data_OP_GET	1	Rte_Call_Sa_MtrDrvDiag_FetFlt1Data_OP_GET	1	~
Rte_Call_Sa_MtrDrvDiag_FetFlt2Clk_OP_SET	1	Rte_Call_Sa_MtrDrvDiag_FetFlt2Clk_OP_SET	1	~
GateDrvWaitTime	1	GateDrvWaitTime	1	~
Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32	1	Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32	1	~
Rte_Call_Sa_MtrDrvDiag_SystemTime_DtrmnElapsedTime_uS_u16	1	Rte_Call_Sa_MtrDrvDiag_SystemTime_DtrmnElapsedTime_uS_u16	1	~
Rte_Call_Sa_MtrDrvDiag_FetFlt2Clk_OP_SET	1	Rte_Call_Sa_MtrDrvDiag_FetFlt2Clk_OP_SET	1	~
GateDrvWaitTime	1	GateDrvWaitTime	1	~
Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32	1	Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32	1	~
Rte_Call_Sa_MtrDrvDiag_SystemTime_DtrmnElapsedTime_uS_u16	1	Rte_Call_Sa_MtrDrvDiag_SystemTime_DtrmnElapsedTime_uS_u16	1	~
Rte_Call_Sa_MtrDrvDiag_FetFlt1Data_OP_GET	1	Rte_Call_Sa_MtrDrvDiag_FetFlt1Data_OP_GET	1	~
Rte_Call_Sa_MtrDrvDiag_FetFlt2Clk_OP_SET	1	Rte_Call_Sa_MtrDrvDiag_FetFlt2Clk_OP_SET	1	~
GateDrvWaitTime	1	GateDrvWaitTime	1	~
Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32	1	Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32	1	~
Rte_Call_Sa_MtrDrvDiag_SystemTime_DtrmnElapsedTime_uS_u16	1	Rte_Call_Sa_MtrDrvDiag_SystemTime_DtrmnElapsedTime_uS_u16	1	~
Rte_Call_Sa_MtrDrvDiag_IoHwAbPortConfig_SetFetFlt2ToOutput	1	Rte_Call_Sa_MtrDrvDiag_IoHwAbPortConfig_SetFetFlt2ToOutput	1	~

Test Step 2.11 (Repeat Count = 1)			✓
Name	Input Value		
FF2Set_Cnt_T_lgc	1		
GateDriveFltAccPtr_Cnt_T_u16	tgt_GateDriveFltAccPtr_Cnt_T_u16		
Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32(CurrentTime)	tgt_Rte_Call_Sa_MtrDrvDiag_SystemTime	e_GetSystemTime_uS_u32_Curr	
SVDiag_FETFaultPhase_Cnt_M_enum	0		
SVDiag_FETFaultType_Cnt_M_enum	1		
k_GateDriveDiag_Cnt_str.Threshold	900		
k_GateDriveDiag_Cnt_str.PStep	206		
tgt_GateDriveFltAccPtr_Cnt_T_u16	92		
tgt_Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32_Curr	60000		
Name	Actual Value	Expected Value	Result
Rte_Call_Sa_MtrDrvDiag_NxtrDiagMgr_SetNTCStatus(NTC_Cnt_T_enum)	77	*none*	~
Rte_Call_Sa_MtrDrvDiag_NxtrDiagMgr_SetNTCStatus(Param_Cnt_T_u08)	4	*none*	✓
Rte_Call_Sa_MtrDrvDiag_NxtrDiagMgr_SetNTCStatus(Status_Cnt_T_enum)	1	*none*	•
SVDiag_FETFaultPhase_Cnt_M_enum	0	0	✓
SVDiag_FETFaultType_Cnt_M_enum	1	1	•
tgt_GateDriveFltAccPtr_Cnt_T_u16	298	298	~

Test Step Call Trace					
Actual Function	Count	Expected Function	Count	Result	
none	0	*** No Call Expected ***	0	~	

Test Step 2.12 (Repeat Count = 1)			✓
Name	Input Value		
FF2Set_Cnt_T_lgc	0		
GateDriveFltAccPtr_Cnt_T_u16	tgt_GateDriveFltAccPtr_Cnt_T_u16		
Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32(CurrentTime)	tgt_Rte_Call_Sa_MtrDrvDiag_SystemTime	_GetSystemTime_uS_u32_Curr	
SVDiag_FETFaultPhase_Cnt_M_enum	0		
SVDiag_FETFaultType_Cnt_M_enum	0		
k_GateDriveDiag_Cnt_str.Threshold	0		
k_GateDriveDiag_Cnt_str.PStep	0		
tgt_GateDriveFltAccPtr_Cnt_T_u16	0		
tgt_Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32_Curr	0		
Name	Actual Value	Expected Value	Result
Rte_Call_Sa_MtrDrvDiag_NxtrDiagMgr_SetNTCStatus(NTC_Cnt_T_enum)	77	77	~
Rte_Call_Sa_MtrDrvDiag_NxtrDiagMgr_SetNTCStatus(Param_Cnt_T_u08)	1	1	✓
Rte_Call_Sa_MtrDrvDiag_NxtrDiagMgr_SetNTCStatus(Status_Cnt_T_enum)	1	1	~
SVDiag_FETFaultPhase_Cnt_M_enum	0	0	✓
SVDiag_FETFaultType_Cnt_M_enum	0	0	~
tgt_GateDriveFltAccPtr_Cnt_T_u16	0	0	✓

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Test Step Call Trace				V
Actual Function	Count	Expected Function	Count	Result
Rte_Call_Sa_MtrDrvDiag_NxtrDiagMgr_SetNTCStatus	1	Rte_Call_Sa_MtrDrvDiag_NxtrDiagMgr_SetNTCStatus	1	~

Test Step 2.13 (Repeat Count = 1)			✓
Name	Input Value		
FF2Set_Cnt_T_lgc	1		
GateDriveFltAccPtr_Cnt_T_u16	tgt_GateDriveFltAccPtr_Cnt_T_u16		
Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32(CurrentTime)	tgt_Rte_Call_Sa_MtrDrvDiag_SystemTime_	GetSystemTime_uS_u32_Curr	
SVDiag_FETFaultPhase_Cnt_M_enum	3		
SVDiag_FETFaultType_Cnt_M_enum	2		
k_GateDriveDiag_Cnt_str.Threshold	65535		
k_GateDriveDiag_Cnt_str.PStep	65535		
tgt_GateDriveFltAccPtr_Cnt_T_u16	65535		
tgt_Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32_Curr	4294967295		
Name	Actual Value	Expected Value	Result
Rte_Call_Sa_MtrDrvDiag_NxtrDiagMgr_SetNTCStatus(NTC_Cnt_T_enum)	77	77	~
Rte_Call_Sa_MtrDrvDiag_NxtrDiagMgr_SetNTCStatus(Param_Cnt_T_u08)	4	4	~
Rte_Call_Sa_MtrDrvDiag_NxtrDiagMgr_SetNTCStatus(Status_Cnt_T_enum)	1	1	~
SVDiag_FETFaultPhase_Cnt_M_enum	3	3	~
SVDiag_FETFaultType_Cnt_M_enum	2	2	~
tgt_GateDriveFltAccPtr_Cnt_T_u16	65535	65535	~

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Actual Function	Count	Expected Function	Count	Result
Rte_Call_Sa_MtrDrvDiag_NxtrDiagMgr_SetNTCStatus	1	Rte_Call_Sa_MtrDrvDiag_NxtrDiagMgr_SetNTCStatus	1	•
ReadMtrDrvFltData	1	ReadMtrDrvFltData	1	•
Rte_Call_Sa_MtrDrvDiag_loHwAbPortConfig_SetFetFlt2ToOutput	1	Rte_Call_Sa_MtrDrvDiag_IoHwAbPortConfig_SetFetFlt2ToOutput	1	•
Rte_Call_Sa_MtrDrvDiag_FetFlt2Clk_OP_SET	1	Rte_Call_Sa_MtrDrvDiag_FetFlt2Clk_OP_SET	1	•
GateDrvWaitTime	1	GateDrvWaitTime	1	
Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32 Rte_Call_Sa_MtrDrvDiag_SystemTime_DtrmnElapsedTime_uS_u16	1	Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32 Rte_Call_Sa_MtrDrvDiag_SystemTime_DtrmnElapsedTime_uS_u16	1	
Rte_Call_Sa_MtrDrvDiag_FetFlt1Data_OP_GET	1	Rte_Call_Sa_MtrDrvDiag_FetFlt1Data_OP_GET	1	
Rte_Call_Sa_MtrDrvDiag_FetFlt2Clk_OP_SET	1	Rte_Call_Sa_MtrDrvDiag_FetFlt2Clk_OP_SET	1	
GateDrvWaitTime	1	GateDrvWaitTime	1	
Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32	1	Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32	1	
Rte_Call_Sa_MtrDrvDiag_SystemTime_DtrmnElapsedTime_uS_u16	1	Rte_Call_Sa_MtrDrvDiag_SystemTime_DtrmnElapsedTime_uS_u16	1	
Rte_Call_Sa_MtrDrvDiag_FetFlt2Clk_OP_SET	1	Rte_Call_Sa_MtrDrvDiag_FetFlt2Clk_OP_SET	1	,
GateDrvWaitTime	1	GateDrvWaitTime	1	
Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32	1	Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32	1	
Rte_Call_Sa_MtrDrvDiag_SystemTime_DtrmnElapsedTime_uS_u16	1	Rte_Call_Sa_MtrDrvDiag_SystemTime_DtrmnElapsedTime_uS_u16	1	•
Rte_Call_Sa_MtrDrvDiag_FetFlt1Data_OP_GET	1	Rte_Call_Sa_MtrDrvDiag_FetFlt1Data_OP_GET	1	•
Rte_Call_Sa_MtrDrvDiag_FetFlt2Clk_OP_SET	1	Rte_Call_Sa_MtrDrvDiag_FetFlt2Clk_OP_SET	1	•
GateDrvWaitTime	1	GateDrvWaitTime	1	•
Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32	1	Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32	1	•
Rte_Call_Sa_MtrDrvDiag_SystemTime_DtrmnElapsedTime_uS_u16	1	Rte_Call_Sa_MtrDrvDiag_SystemTime_DtrmnElapsedTime_uS_u16	1	•
Rte_Call_Sa_MtrDrvDiag_FetFlt2Clk_OP_SET	1	Rte_Call_Sa_MtrDrvDiag_FetFlt2Clk_OP_SET	1	~
GateDrvWaitTime	1	GateDrvWaitTime	1	•
Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32	1	Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32	1	•
Rte_Call_Sa_MtrDrvDiag_SystemTime_DtrmnElapsedTime_uS_u16	253	Rte_Call_Sa_MtrDrvDiag_SystemTime_DtrmnElapsedTime_uS_u16	253	•
Rte_Call_Sa_MtrDrvDiag_FetFlt1Data_OP_GET	1	Rte_Call_Sa_MtrDrvDiag_FetFlt1Data_OP_GET	1	•
Rte_Call_Sa_MtrDrvDiag_FetFlt2Clk_OP_SET GateDrvWaitTime	1	Rte_Call_Sa_MtrDrvDiag_FetFlt2Clk_OP_SET GateDrvWaitTime	1	•
Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32	1	Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32	1	
Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32 Rte_Call_Sa_MtrDrvDiag_SystemTime_DtrmnElapsedTime_uS_u16	1	Rte_Call_Sa_MtrDrvDiag_SystemTime_detSystemTime_uS_u32 Rte_Call_Sa_MtrDrvDiag_SystemTime_DtrmnElapsedTime_uS_u16	1	
Rte_Call_Sa_MtrDrvDiag_FetFlt2Clk_OP_SET	1	Rte_Call_Sa_MtrDrvDiag_FetFlt2Clk_OP_SET	1	
GateDrvWaitTime	1	GateDrvWaitTime	1	
Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32	1	Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32	1	
Rte_Call_Sa_MtrDrvDiag_SystemTime_DtrmnElapsedTime_uS_u16	1	Rte_Call_Sa_MtrDrvDiag_SystemTime_DtrmnElapsedTime_uS_u16	1	•
Rte_Call_Sa_MtrDrvDiag_FetFlt1Data_OP_GET	1	Rte_Call_Sa_MtrDrvDiag_FetFlt1Data_OP_GET	1	
Rte_Call_Sa_MtrDrvDiag_FetFlt2Clk_OP_SET	1	Rte_Call_Sa_MtrDrvDiag_FetFlt2Clk_OP_SET	1	•
GateDrvWaitTime	1	GateDrvWaitTime	1	•
Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32	1	Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32	1	•
Rte_Call_Sa_MtrDrvDiag_SystemTime_DtrmnElapsedTime_uS_u16	1	Rte_Call_Sa_MtrDrvDiag_SystemTime_DtrmnElapsedTime_uS_u16	1	•
Rte_Call_Sa_MtrDrvDiag_FetFlt2Clk_OP_SET	1	Rte_Call_Sa_MtrDrvDiag_FetFlt2Clk_OP_SET	1	•
GateDrvWaitTime	1	GateDrvWaitTime	1	-
Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32	1	Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32	1	•
Rte_Call_Sa_MtrDrvDiag_SystemTime_DtrmnElapsedTime_uS_u16	253	Rte_Call_Sa_MtrDrvDiag_SystemTime_DtrmnElapsedTime_uS_u16	253	-
Rte_Call_Sa_MtrDrvDiag_FetFlt1Data_OP_GET	1	Rte_Call_Sa_MtrDrvDiag_FetFlt1Data_OP_GET	1	•
Rte_Call_Sa_MtrDrvDiag_FetFlt2Clk_OP_SET	1	Rte_Call_Sa_MtrDrvDiag_FetFlt2Clk_OP_SET	1	-
GateDrvWaitTime	1	GateDrvWaitTime	1	•
Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32	1	Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32	1	-
Rte_Call_Sa_MtrDrvDiag_SystemTime_DtrmnElapsedTime_uS_u16	1	Rte_Call_Sa_MtrDrvDiag_SystemTime_DtrmnElapsedTime_uS_u16	1	•
Rte_Call_Sa_MtrDrvDiag_FetFlt2Clk_OP_SET	1	Rte_Call_Sa_MtrDrvDiag_FetFlt2Clk_OP_SET	1	•
GateDrvWaitTime	1	GateDrvWaitTime	1	•
Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32 Rte_Call_Sa_MtrDrvDiag_SystemTime_DtrmnElapsedTime_uS_u16	1	Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32 Rte_Call_Sa_MtrDrvDiag_SystemTime_DtrmnElapsedTime_uS_u16	1	
	1		1	
Rte_Call_Sa_MtrDrvDiag_FetFlt1Data_OP_GET Rte_Call_Sa_MtrDrvDiag_FetFlt2Clk_OP_SET	1	Rte_Call_Sa_MtrDrvDiag_FetFlt1Data_OP_GET Rte_Call_Sa_MtrDrvDiag_FetFlt2Clk_OP_SET	1	
GateDrvWaitTime	1	GateDrvWaitTime	1	
Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32	1	Rte Call Sa MtrDrvDiag SystemTime GetSystemTime uS u32	1	
Rte_Call_Sa_MtrDrvDiag_SystemTime_DtrmnElapsedTime_uS_u16	1	Rte_Call_Sa_MtrDrvDiag_SystemTime_DtrmnElapsedTime_uS_u16	1	
Rte_Call_Sa_MtrDrvDiag_FetFlt2Clk_OP_SET	1	Rte_Call_Sa_MtrDrvDiag_FetFlt2Clk_OP_SET	1	
GateDrvWaitTime	1	GateDrvWaitTime	1	
Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32	1	Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32	1	•
Rte_Call_Sa_MtrDrvDiag_SystemTime_DtrmnElapsedTime_uS_u16	253	Rte_Call_Sa_MtrDrvDiag_SystemTime_DtrmnElapsedTime_uS_u16	253	
Rte_Call_Sa_MtrDrvDiag_FetFlt1Data_OP_GET	1	Rte_Call_Sa_MtrDrvDiag_FetFlt1Data_OP_GET	1	•
Rte_Call_Sa_MtrDrvDiag_FetFlt2Clk_OP_SET	1	Rte_Call_Sa_MtrDrvDiag_FetFlt2Clk_OP_SET	1	•
GateDrvWaitTime	1	GateDrvWaitTime	1	•
Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32	1	Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32	1	•
Rte_Call_Sa_MtrDrvDiag_SystemTime_DtrmnElapsedTime_uS_u16	1	Rte_Call_Sa_MtrDrvDiag_SystemTime_DtrmnElapsedTime_uS_u16	1	•
Rte_Call_Sa_MtrDrvDiag_FetFlt2Clk_OP_SET	1	Rte_Call_Sa_MtrDrvDiag_FetFlt2Clk_OP_SET	1	•
GateDrvWaitTime	1	GateDrvWaitTime	1	
Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32	1	Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32	1	
Rte_Call_Sa_MtrDrvDiag_SystemTime_DtrmnElapsedTime_uS_u16	1	Rte_Call_Sa_MtrDrvDiag_SystemTime_DtrmnElapsedTime_uS_u16	1	•
Rte_Call_Sa_MtrDrvDiag_FetFlt1Data_OP_GET	1	Rte_Call_Sa_MtrDrvDiag_FetFlt1Data_OP_GET	1	•
Rte_Call_Sa_MtrDrvDiag_FetFlt2Clk_OP_SET	1	Rte_Call_Sa_MtrDrvDiag_FetFlt2Clk_OP_SET	1	•
GateDrvWaitTime	1	GateDrvWaitTime	1	

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Actual Function	Count	Expected Function	Count	Result
Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32	1	Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32	1	•
Rte_Call_Sa_MtrDrvDiag_SystemTime_DtrmnElapsedTime_uS_u16	1	Rte_Call_Sa_MtrDrvDiag_SystemTime_DtrmnElapsedTime_uS_u16	1	~
Rte_Call_Sa_MtrDrvDiag_FetFlt2Clk_OP_SET	1	Rte_Call_Sa_MtrDrvDiag_FetFlt2Clk_OP_SET	1	•
GateDrvWaitTime	1	GateDrvWaitTime	1	~
Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32	1	Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32	1	•
Rte_Call_Sa_MtrDrvDiag_SystemTime_DtrmnElapsedTime_uS_u16	253	Rte_Call_Sa_MtrDrvDiag_SystemTime_DtrmnElapsedTime_uS_u16	253	•
Rte_Call_Sa_MtrDrvDiag_FetFlt1Data_OP_GET	1	Rte_Call_Sa_MtrDrvDiag_FetFlt1Data_OP_GET	1	~
Rte_Call_Sa_MtrDrvDiag_FetFlt2Clk_OP_SET	1	Rte_Call_Sa_MtrDrvDiag_FetFlt2Clk_OP_SET	1	~
GateDrvWaitTime	1	GateDrvWaitTime	1	~
Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32	1	Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32	1	~
Rte_Call_Sa_MtrDrvDiag_SystemTime_DtrmnElapsedTime_uS_u16	1	Rte_Call_Sa_MtrDrvDiag_SystemTime_DtrmnElapsedTime_uS_u16	1	~
Rte_Call_Sa_MtrDrvDiag_FetFlt2Clk_OP_SET	1	Rte_Call_Sa_MtrDrvDiag_FetFlt2Clk_OP_SET	1	~
GateDrvWaitTime	1	GateDrvWaitTime	1	•
Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32	1	Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32	1	•
Rte_Call_Sa_MtrDrvDiag_SystemTime_DtrmnElapsedTime_uS_u16	1	Rte_Call_Sa_MtrDrvDiag_SystemTime_DtrmnElapsedTime_uS_u16	1	•
Rte_Call_Sa_MtrDrvDiag_FetFlt1Data_OP_GET	1	Rte_Call_Sa_MtrDrvDiag_FetFlt1Data_OP_GET	1	~
Rte_Call_Sa_MtrDrvDiag_FetFlt2Clk_OP_SET	1	Rte_Call_Sa_MtrDrvDiag_FetFlt2Clk_OP_SET	1	✓
GateDrvWaitTime	1	GateDrvWaitTime	1	~
Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32	1	Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32	1	~
Rte_Call_Sa_MtrDrvDiag_SystemTime_DtrmnElapsedTime_uS_u16	1	Rte_Call_Sa_MtrDrvDiag_SystemTime_DtrmnElapsedTime_uS_u16	1	~
Rte_Call_Sa_MtrDrvDiag_IoHwAbPortConfig_SetFetFlt2ToOutput	1	Rte_Call_Sa_MtrDrvDiag_IoHwAbPortConfig_SetFetFlt2ToOutput	1	~

Test Case 3: Path Test

Specification

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

TC3.1 616 Cycles TC3.2 1192007 Cycles TC3.3 71 Cycles

Description

Vector Description

 $TS3.1" (True = DiagFailed_m (GateDriveFltAccPtr_Cnt_T_u16, k_GateDriveDiag_Cnt_str)) = True \\ (False = FF2Set_Cnt_T_lgc) = True" \\ TS3.1" (True = DiagFailed_m (GateDriveFltAccPtr_Cnt_T_u16, k_GateDriveDiag_Cnt_str)) = True \\ (False = FF2Set_Cnt_T_lgc) = True" \\ TS3.1" (True = DiagFailed_m (GateDriveFltAccPtr_Cnt_T_u16, k_GateDriveDiag_Cnt_str)) = True \\ (False = FF2Set_Cnt_T_lgc) = True" \\ TS3.1" (True = DiagFailed_m (GateDriveFltAccPtr_Cnt_T_u16, k_GateDriveDiag_Cnt_str)) = True \\ (False = FF2Set_Cnt_T_lgc) = True" \\ TS3.1" (True = DiagFailed_m (GateDriveFltAccPtr_Cnt_T_u16, k_GateDriveDiag_Cnt_str)) = True \\ (False = FF2Set_Cnt_T_lgc) = True" \\ TS3.1" (True = DiagFailed_m (GateDriveFltAccPtr_Cnt_T_u16, k_GateDriveDiag_Cnt_str)) = True \\ (False = FF2Set_Cnt_T_lgc) = True" \\ TS3.1" (True = DiagFailed_m (GateDriveFltAccPtr_Cnt_T_u16, k_GateDriveDiag_Cnt_str)) = True \\ (False = FF2Set_Cnt_T_lgc) = True" \\ TS3.1" (True = DiagFailed_m (GateDriveFltAccPtr_Cnt_T_u16, k_GateDriveDiag_Cnt_str)) = True \\ (False = FF2Set_Cnt_T_lgc) = True" \\ TS3.1" (True = DiagFailed_m (GateDriveFltAccPtr_Cnt_T_u16, k_GateDriveDiag_Cnt_str)) = True \\ (False = FF2Set_Cnt_T_lgc) = True" \\ TS3.1" (True = DiagFailed_m (GateDriveFltAccPtr_Cnt_T_u16, k_GateDriveDiag_Cnt_str)) = True \\ (False = FF2Set_Cnt_T_lgc) = True" \\ TS3.1" (True = DiagFailed_m (GateDriveFltAccPtr_Cnt_T_u16, k_GateDriveDiag_Cnt_str)) = True \\ (False = FF2Set_Cnt_T_lgc) = True \\ TS3.1" (True = DiagFailed_m (GateDriveFltAccPtr_Cnt_T_lu16, k_GateDriveDiag_Cnt_str)) = True \\ TS3.1" (True = DiagFailed_m (GateDriveFltAccPtr_Cnt_T_lu16, k_GateDriveDiag_Cnt_str)) = True \\ TS3.1" (True = DiagFailed_m (GateDriveFltAccPtr_Cnt_T_lu16, k_GateDriveDriveFltAccPtr_Cnt_T_lu16, k_GateDriveDriveFltAccPtr_Cnt_T_lu16, k_GateDriveDriveFltAccPtr_Cnt_T_lu16, k_GateDriveDriveFltAccPtr_Cnt_T_lu16, k_GateDriveDriveFltAccPtr_Cnt_T_lu16, k_GateDriveDriveFltAccPtr_Cnt_T_lu16, k_GateDriveDriveFltAccPtr_Cnt_T_lu16, k_GateDriveDriveFltAccPtr_Cnt_T_lu16, k_GateDriveFltAccPtr_Cnt_T_lu16, k_GateDriveFltAcc$

Test Step 3.1 (Repeat Count = 1)			✓
Name	Input Value		
FF2Set_Cnt_T_lgc	0		
GateDriveFltAccPtr_Cnt_T_u16	tgt_GateDriveFltAccPtr_Cnt_T_u16		
Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32(CurrentTime)	tgt_Rte_Call_Sa_MtrDrvDiag_SystemTime_	GetSystemTime_uS_u32_Curr	
SVDiag_FETFaultPhase_Cnt_M_enum	0		
SVDiag_FETFaultType_Cnt_M_enum	0		
k_GateDriveDiag_Cnt_str.Threshold	134		
k_GateDriveDiag_Cnt_str.PStep	5632		
tgt_GateDriveFltAccPtr_Cnt_T_u16	563		
tgt_Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32_Curr	5000		
Name	Actual Value	Expected Value	Result
Rte_Call_Sa_MtrDrvDiag_NxtrDiagMgr_SetNTCStatus(NTC_Cnt_T_enum)	77	77	~
Rte_Call_Sa_MtrDrvDiag_NxtrDiagMgr_SetNTCStatus(Param_Cnt_T_u08)	1	1	~
Rte_Call_Sa_MtrDrvDiag_NxtrDiagMgr_SetNTCStatus(Status_Cnt_T_enum)	1	1	~
SVDiag_FETFaultPhase_Cnt_M_enum	0	0	~
SVDiag_FETFaultType_Cnt_M_enum	0	0	~
tgt_GateDriveFltAccPtr_Cnt_T_u16	134	134	~

Test Step Call Trace				V
Actual Function	Count	Expected Function	Count	Result
Rte Call Sa MtrDrvDiag NytrDiagMgr SetNTCStatus	1	Rte Call Sa MtrDryDiag NytrDiagMgr SetNTCStatus	1	_

Test Step 3.2 (Repeat Count = 1)	✓
Name	Input Value
FF2Set_Cnt_T_lgc	1
GateDriveFltAccPtr_Cnt_T_u16	tgt_GateDriveFltAccPtr_Cnt_T_u16
Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32(CurrentTime)	tgt_Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32_Curr
SVDiag_FETFaultPhase_Cnt_M_enum	1

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ProcGateDriveFlt

Name	Input Value		
SVDiag_FETFaultType_Cnt_M_enum	1		
k_GateDriveDiag_Cnt_str.Threshold	366		
k_GateDriveDiag_Cnt_str.PStep	123		
tgt_GateDriveFltAccPtr_Cnt_T_u16	419		
tgt_Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32_Curr	1000		
Name	Actual Value	Expected Value	Result
Rte_Call_Sa_MtrDrvDiag_NxtrDiagMgr_SetNTCStatus(NTC_Cnt_T_enum)	77	77	~
Rte_Call_Sa_MtrDrvDiag_NxtrDiagMgr_SetNTCStatus(Param_Cnt_T_u08)	4	4	✓
Rte_Call_Sa_MtrDrvDiag_NxtrDiagMgr_SetNTCStatus(Status_Cnt_T_enum)	1	1	✓
SVDiag_FETFaultPhase_Cnt_M_enum	1	1	✓
SVDiag_FETFaultType_Cnt_M_enum	1	1	✓
tgt_GateDriveFltAccPtr_Cnt_T_u16	366	366	✓

ProcGateDriveFlt

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Actual Function		Expected Function		Result
Rte_Call_Sa_MtrDrvDiag_NxtrDiagMgr_SetNTCStatus	1	Rte_Call_Sa_MtrDrvDiag_NxtrDiagMgr_SetNTCStatus	1	~
ReadMtrDrvFltData Pto Coll. So. MtrDrvDiog. Johnship PortConfig. SotEstElt2ToOutput	1	ReadMtrDrvFltData	1	~
Rte_Call_Sa_MtrDrvDiag_loHwAbPortConfig_SetFetFlt2ToOutput Rte_Call_Sa_MtrDrvDiag_FetFlt2Clk_OP_SET	1	Rte_Call_Sa_MtrDrvDiag_IoHwAbPortConfig_SetFetFlt2ToOutput Rte_Call_Sa_MtrDrvDiag_FetFlt2Clk_OP_SET	1	~
GateDrvWaitTime	1	GateDrvWaitTime	1	-
Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32	1	Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32	1	•
Rte_Call_Sa_MtrDrvDiag_SystemTime_DtrmnElapsedTime_uS_u16	1	Rte_Call_Sa_MtrDrvDiag_SystemTime_DtrmnElapsedTime_uS_u16	1	~
Rte_Call_Sa_MtrDrvDiag_FetFlt1Data_OP_GET	1	Rte_Call_Sa_MtrDrvDiag_FetFlt1Data_OP_GET	1	~
Rte_Call_Sa_MtrDrvDiag_FetFlt2Clk_OP_SET	1	Rte_Call_Sa_MtrDrvDiag_FetFlt2Clk_OP_SET	1	~
GateDrvWaitTime	1	GateDrvWaitTime	1	~
Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32	1	Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32	1	~
Rte_Call_Sa_MtrDrvDiag_SystemTime_DtrmnElapsedTime_uS_u16	1	Rte_Call_Sa_MtrDrvDiag_SystemTime_DtrmnElapsedTime_uS_u16	1	V
Rte_Call_Sa_MtrDrvDiag_FetFlt2Clk_OP_SET GateDrvWaitTime	1	Rte_Call_Sa_MtrDrvDiag_FetFlt2Clk_OP_SET GateDrvWaitTime	1	V
Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32	1	Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32	1	
Rte_Call_Sa_MtrDrvDiag_SystemTime_DtrmnElapsedTime_uS_u16	1	Rte_Call_Sa_MtrDrvDiag_SystemTime_DtrmnElapsedTime_uS_u16	1	~
Rte_Call_Sa_MtrDrvDiag_FetFlt1Data_OP_GET	1	Rte_Call_Sa_MtrDrvDiag_FetFlt1Data_OP_GET	1	~
Rte_Call_Sa_MtrDrvDiag_FetFlt2Clk_OP_SET	1	Rte_Call_Sa_MtrDrvDiag_FetFlt2Clk_OP_SET	1	~
GateDrvWaitTime	1	GateDrvWaitTime	1	~
Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32	1	Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32	1	~
Rte_Call_Sa_MtrDrvDiag_SystemTime_DtrmnElapsedTime_uS_u16	1	Rte_Call_Sa_MtrDrvDiag_SystemTime_DtrmnElapsedTime_uS_u16	1	~
Rte_Call_Sa_MtrDrvDiag_FetFlt2Clk_OP_SET	1	Rte_Call_Sa_MtrDrvDiag_FetFlt2Clk_OP_SET	1	V
GateDrvWaitTime	1	GateDrvWaitTime	1	V
Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32 Rte_Call_Sa_MtrDrvDiag_SystemTime_DtrmnElapsedTime_uS_u16	1 253	Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32	1 253	· ·
Rte Call Sa MtrDrvDiag FetFlt1Data OP GET	253 1	Rte_Call_Sa_MtrDrvDiag_SystemTime_DtrmnElapsedTime_uS_u16 Rte_Call_Sa_MtrDrvDiag_FetFlt1Data_OP_GET	1	~
Rte Call Sa MtrDrvDiag FetFlt2Clk OP SET	1	Rte_Call_Sa_MtrDrvDiag_FetFlt2Clk_OP_SET	1	
GateDrvWaitTime	1	GateDrvWaitTime	1	~
Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32	1	Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32	1	-
Rte_Call_Sa_MtrDrvDiag_SystemTime_DtrmnElapsedTime_uS_u16	1	Rte_Call_Sa_MtrDrvDiag_SystemTime_DtrmnElapsedTime_uS_u16	1	~
Rte_Call_Sa_MtrDrvDiag_FetFlt2Clk_OP_SET	1	Rte_Call_Sa_MtrDrvDiag_FetFlt2Clk_OP_SET	1	~
GateDrvWaitTime	1	GateDrvWaitTime	1	~
Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32	1	Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32	1	~
Rte_Call_Sa_MtrDrvDiag_SystemTime_DtrmnElapsedTime_uS_u16	1	Rte_Call_Sa_MtrDrvDiag_SystemTime_DtrmnElapsedTime_uS_u16	1	~
Rte_Call_Sa_MtrDrvDiag_FetFlt1Data_OP_GET	1	Rte_Call_Sa_MtrDrvDiag_FetFlt1Data_OP_GET	1	~
Rte_Call_Sa_MtrDrvDiag_FetFlt2Clk_OP_SET	1	Rte_Call_Sa_MtrDrvDiag_FetFlt2Clk_OP_SET	1	V
GateDrvWaitTime Pto Call So MtrDrvDing SystemTime CotSystemTime us us 22	1	GateDrvWaitTime Pto Call So MtrDrvDing SystemTime CotSystemTime us us use	1	· ·
Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32 Rte_Call_Sa_MtrDrvDiag_SystemTime_DtrmnElapsedTime_uS_u16	1	Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32 Rte_Call_Sa_MtrDrvDiag_SystemTime_DtrmnElapsedTime_uS_u16	1	
Rte_Call_Sa_MtrDrvDiag_FetFlt2Clk_OP_SET	1	Rte_Call_Sa_MtrDrvDiag_FetFlt2Clk_OP_SET	1	~
GateDrvWaitTime	1	GateDrvWaitTime	1	-
Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32	1	Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32	1	~
Rte_Call_Sa_MtrDrvDiag_SystemTime_DtrmnElapsedTime_uS_u16	253	Rte_Call_Sa_MtrDrvDiag_SystemTime_DtrmnElapsedTime_uS_u16	253	~
Rte_Call_Sa_MtrDrvDiag_FetFlt1Data_OP_GET	1	Rte_Call_Sa_MtrDrvDiag_FetFlt1Data_OP_GET	1	~
Rte_Call_Sa_MtrDrvDiag_FetFlt2Clk_OP_SET	1	Rte_Call_Sa_MtrDrvDiag_FetFlt2Clk_OP_SET	1	~
GateDrvWaitTime	1	GateDrvWaitTime	1	~
Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32	1	Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32	1	~
Rte_Call_Sa_MtrDrvDiag_SystemTime_DtrmnElapsedTime_uS_u16 Rte_Call_Sa_MtrDrvDiag_FetFlt2Clk_OP_SET	1	Rte_Call_Sa_MtrDrvDiag_SystemTime_DtrmnElapsedTime_uS_u16 Rte_Call_Sa_MtrDrvDiag_FetFlt2Clk_OP_SET	1	~
GateDrvWaitTime	1	GateDrvWaitTime	1	~
Rte Call Sa MtrDrvDiag SystemTime GetSystemTime uS u32	1	Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32	1	-
Rte_Call_Sa_MtrDrvDiag_SystemTime_DtrmnElapsedTime_uS_u16	1	Rte_Call_Sa_MtrDrvDiag_SystemTime_DtrmnElapsedTime_uS_u16	1	~
Rte_Call_Sa_MtrDrvDiag_FetFlt1Data_OP_GET	1	Rte_Call_Sa_MtrDrvDiag_FetFlt1Data_OP_GET	1	~
Rte_Call_Sa_MtrDrvDiag_FetFlt2Clk_OP_SET	1	Rte_Call_Sa_MtrDrvDiag_FetFlt2Clk_OP_SET	1	~
GateDrvWaitTime	1	GateDrvWaitTime	1	~
Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32	1	Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32	1	V
Rte_Call_Sa_MtrDrvDiag_SystemTime_DtrmnElapsedTime_uS_u16	1	Rte_Call_Sa_MtrDrvDiag_SystemTime_DtrmnElapsedTime_uS_u16	1	~
Rte_Call_Sa_MtrDrvDiag_FetFlt2Clk_OP_SET	1	Rte_Call_Sa_MtrDrvDiag_FetFlt2Clk_OP_SET	1	V
GateDrvWaitTime Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32	1	GateDrvWaitTime Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32	1	· ·
Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32 Rte_Call_Sa_MtrDrvDiag_SystemTime_DtrmnElapsedTime_uS_u16	253	Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32 Rte_Call_Sa_MtrDrvDiag_SystemTime_DtrmnElapsedTime_uS_u16	253	7
Rte_Call_Sa_MtrDrvDiag_FetFlt1Data_OP_GET	1	Rte_Call_Sa_MtrDrvDiag_FetFlt1Data_OP_GET	1	~
Rte_Call_Sa_MtrDrvDiag_FetFlt2Clk_OP_SET	1	Rte_Call_Sa_MtrDrvDiag_FetFlt2Clk_OP_SET	1	-
GateDrvWaitTime	1	GateDrvWaitTime	1	~
Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32	1	Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32	1	~
Rte_Call_Sa_MtrDrvDiag_SystemTime_DtrmnElapsedTime_uS_u16	1	Rte_Call_Sa_MtrDrvDiag_SystemTime_DtrmnElapsedTime_uS_u16	1	~
Rte_Call_Sa_MtrDrvDiag_FetFlt2Clk_OP_SET	1	Rte_Call_Sa_MtrDrvDiag_FetFlt2Clk_OP_SET	1	~
GateDrvWaitTime	1	GateDrvWaitTime	1	~
	1	Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32	1	~
Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32				
Rte_Call_Sa_MtrDrvDiag_SystemTime_DtrmnElapsedTime_uS_u16	1	Rte_Call_Sa_MtrDrvDiag_SystemTime_DtrmnElapsedTime_uS_u16	1	V
		Rte_Call_Sa_MtrDrvDiag_SystemTime_DtrmnElapsedTime_uS_u16 Rte_Call_Sa_MtrDrvDiag_FetFlt1Data_OP_GET Rte_Call_Sa_MtrDrvDiag_FetFlt2Clk_OP_SET	1 1 1	*



ProcGateDriveF	
	_

Actual Function	Count	Expected Function	Count	Result
Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32	1	Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32	1	~
Rte_Call_Sa_MtrDrvDiag_SystemTime_DtrmnElapsedTime_uS_u16	1	Rte_Call_Sa_MtrDrvDiag_SystemTime_DtrmnElapsedTime_uS_u16	1	~
Rte_Call_Sa_MtrDrvDiag_FetFlt2Clk_OP_SET	1	Rte_Call_Sa_MtrDrvDiag_FetFlt2Clk_OP_SET	1	~
GateDrvWaitTime	1	GateDrvWaitTime	1	~
Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32	1	Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32	1	•
Rte_Call_Sa_MtrDrvDiag_SystemTime_DtrmnElapsedTime_uS_u16	253	Rte_Call_Sa_MtrDrvDiag_SystemTime_DtrmnElapsedTime_uS_u16	253	•
Rte_Call_Sa_MtrDrvDiag_FetFlt1Data_OP_GET	1	Rte_Call_Sa_MtrDrvDiag_FetFlt1Data_OP_GET	1	•
Rte_Call_Sa_MtrDrvDiag_FetFlt2Clk_OP_SET	1	Rte_Call_Sa_MtrDrvDiag_FetFlt2Clk_OP_SET	1	~
GateDrvWaitTime	1	GateDrvWaitTime	1	•
Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32	1	Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32	1	•
Rte_Call_Sa_MtrDrvDiag_SystemTime_DtrmnElapsedTime_uS_u16	1	Rte_Call_Sa_MtrDrvDiag_SystemTime_DtrmnElapsedTime_uS_u16	1	•
Rte_Call_Sa_MtrDrvDiag_FetFlt2Clk_OP_SET	1	Rte_Call_Sa_MtrDrvDiag_FetFlt2Clk_OP_SET	1	~
GateDrvWaitTime	1	GateDrvWaitTime	1	•
Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32	1	Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32	1	•
Rte_Call_Sa_MtrDrvDiag_SystemTime_DtrmnElapsedTime_uS_u16	1	Rte_Call_Sa_MtrDrvDiag_SystemTime_DtrmnElapsedTime_uS_u16	1	•
Rte_Call_Sa_MtrDrvDiag_FetFlt1Data_OP_GET	1	Rte_Call_Sa_MtrDrvDiag_FetFlt1Data_OP_GET	1	~
Rte_Call_Sa_MtrDrvDiag_FetFlt2Clk_OP_SET	1	Rte_Call_Sa_MtrDrvDiag_FetFlt2Clk_OP_SET	1	•
GateDrvWaitTime	1	GateDrvWaitTime	1	~
Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32	1	Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32	1	•
Rte_Call_Sa_MtrDrvDiag_SystemTime_DtrmnElapsedTime_uS_u16	1	Rte_Call_Sa_MtrDrvDiag_SystemTime_DtrmnElapsedTime_uS_u16	1	~
Rte_Call_Sa_MtrDrvDiag_IoHwAbPortConfig_SetFetFlt2ToOutput	1	Rte_Call_Sa_MtrDrvDiag_IoHwAbPortConfig_SetFetFlt2ToOutput	1	~

Test Step 3.3 (Repeat Count = 1)			✓
Name	Input Value		
FF2Set_Cnt_T_lgc	1		
GateDriveFltAccPtr_Cnt_T_u16	tgt_GateDriveFltAccPtr_Cnt_T_u16		
Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32(CurrentTime)	tgt_Rte_Call_Sa_MtrDrvDiag_SystemTim	e_GetSystemTime_uS_u32_Curr	
SVDiag_FETFaultPhase_Cnt_M_enum	0		
SVDiag_FETFaultType_Cnt_M_enum	2		
k_GateDriveDiag_Cnt_str.Threshold	65535		
k_GateDriveDiag_Cnt_str.PStep	1314		
tgt_GateDriveFltAccPtr_Cnt_T_u16	134		
tgt_Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32_Curr	0		
Name	Actual Value	Expected Value	Result
Rte_Call_Sa_MtrDrvDiag_NxtrDiagMgr_SetNTCStatus(NTC_Cnt_T_enum)	77	*none*	~
Rte_Call_Sa_MtrDrvDiag_NxtrDiagMgr_SetNTCStatus(Param_Cnt_T_u08)	4	*none*	~
Rte_Call_Sa_MtrDrvDiag_NxtrDiagMgr_SetNTCStatus(Status_Cnt_T_enum)	1	*none*	~
SVDiag_FETFaultPhase_Cnt_M_enum	0	0	~
SVDiag_FETFaultType_Cnt_M_enum	2	2	~
tgt_GateDriveFltAccPtr_Cnt_T_u16	1448	1448	•

Test Step Call Trace				
Actual Function	Count	Expected Function	Count	Result
none	0	*** No Call Expected ***	0	~

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MtrDrvDiag_Per1

Project	MtrDrvDiag
Module	MtrDrvDiag
Test Object	MtrDrvDiag_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\CBD_MtrDrvDiag
Configuration File	D:\Synergy_Work_Area\CBD_MtrDrvDiag\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)\MtrDrvDiag\src\Sa_MtrDrvDiag.c
Compiler Options	-Dconst= -D_DATA_ACCESS= -DSKIP_MAGIC_NUMBER= -Dstatic= -I\$(PROJECTROOT)\NxtrLib\include -I\$(PROJECTROOT)\StdDef \include -I\$(PROJECTROOT)\MtrDrvDiag\utp\contract\Sa_MtrDrvDiag -I\$(PROJECTROOT)\MtrDrvDiag\utp\contract -I\$(Compiler Install Path)\include

Comments/Description/Specification			
Name Text	xt		



Module 'MtrDrvDiag'

Name of Tester: Spoorti Mali

Code File(s) Under Test: Sa_MtrDrvDiag.c
Code File(s) Version: 22
Module Design Document:Motor_Driver_Diagnostics_MDD.doc

Module Design Document:Motor_Driver_Diagnostics_MDD.doc
Module Design Document Version: 11
Data Dictionary Version: 11
Unit Test Plan Version: 3
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 1.31
Total FLASH Used (Bytes): 1334
Total RAM Used (Bytes): 17
Total CALS Used (Bytes): 50
Special Test Requirements:
Test Date:01-29-2015
Comments: Comments:

Note 1:Inline function defined in ""Gloabalmacro.h""

is not unit Tested.

Note 2:In ""GateDrvWaitTime"" function extra code is added in VBA, to exit the while loop and to replicate the usercode functionality of TESSY.

Note 3:In ""ReadMtrDrvFltData""function,""DataHigh_Cnt_T_lgc"" temporary variable and ""Rte_Call_SystemTime_DtrmnElapsedTime_uS_u16"" stub are used as ""DataHigh_Cnt_T_lgc_Array[10]"" and ""Rte_Call_FetFlt1Data_OP_GET_Array[11]"" to replicate the usercode functionality of TESSY.

Note 4:In functions ""ProcGateDriveFlt"" , ""ProcBridgeFlt"" , ""MtrDrvDiag_Per1"", ""ReadMtrDrvFltData"" functions, ""Rte_Call_SystemTime_DtrmnElapsedTime_uS_u16""is not tested with its Min value, to avoid the infinite loop.

Note 5:""CBD_Sandbox_dbg.map"" file is embedded for reference."

Attributes	
Name	Value
Compiler Install Path	\$(ProgramFiles)\Texas Instruments\ccsv4\tools\compiler\tms470_4.9.5
Float Precision	9
InitObjDir	\$(PROJECTROOT)\UnitTestEnv\static_build_files\obj
InitSrcDir	\$(PROJECTROOT)\UnitTestEnv\static_build_files\src
Linker File	\$(PROJECTROOT)\UnitTestEnv\static_build_files\sys_link.cmd
Makefile Template	\$(PROJECTROOT)\UnitTestEnv\config\Nexteer_ts_make_ude_ti_tms570_ps.tpl
Target Install Path	\$(ProgramFiles)\pls
Time Unit	Cycles
Timer Enabled	false
Timer Prescale	0
Timer Resolution	1
UDE Config File	\$(PROJECTROOT)\UnitTestEnv\config\TMS570_UDE_12PIN_JTAG.cfg
Workspace File	D:\Synergy_Work_Area\CBD_MtrDrvDiag\UnitTestEnv\config\UDE_TMS570_DEBUG.WSP



Test Case 1: Metrics Test

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

TC1.1 1127 Cycles TC1.2 11366 Cycles

Description Vector Description

TS1.1"Shortest Execution Path:

TS1.1"Shortest Execution Path:

(TRUE == MtrDrvInitComp_Cnt_T_lgc)=False &&

(TRUE == MtrDrvInitStart_Cnt_T_lgc)=False "

TS1.2"Longest Execution Path:

(TRUE == MtrDrvInitComp_Cnt_T_lgc)=True &&

(TRUE == MtrDrvInitComp_Cnt_T_lgc)=True &&

(TRUE == SVDiag_ResetWaitLoop_Cnt_M_lgc)=False && ((FALSE == FF1Set_Cnt_T_lgc) && (FALSE == FF2Set_Cnt_T_lgc))=True &&

((GateDriveFltAcc_Cnt_T_u16)>(k_GateDriveDiag_Cnt_str.Nstep))=True &&

((OnStateFltAcc_Cnt_T_u16)>(k_OnStateDiag_Cnt_str.Nstep)=False"

Test Step 1.1 (Repeat Count = 1)			~
Name	Input Value		
Rte_Call_Sa_MtrDrvDiag_FetFlt2Clk_OP_GET(signal)	target_Rte_Call_Sa_MtrDrvDiag_FetFlt2Clk_OP_GET_signal		
Rte_Call_Sa_MtrDrvDiag_NxtrDiagMgr_GetNTCFailed(NTCFailed_Ptr_T_lgc)	target_Rte_Call_Sa_MtrDrvDiag_NxtrDiagMgr_GetNTCFailed_NTCFailed_Ptr_T_lgc		
$Rte_Call_Sa_MtrDrvDiag_SystemTime_DtrmnElapsedTime_mS_u16(ElapsedTime)$	target_Rte_Call_Sa_MtrDrvDiag_SystemTime	e_DtrmnElapsedTime_mS_u16_ElapsedTime	
$Rte_Call_Sa_MtrDrvDiag_SystemTime_DtrmnElapsedTime_uS_u16(ElapsedTime)$	$target_Rte_Call_Sa_MtrDrvDiag_SystemTime$	e_DtrmnElapsedTime_uS_u16_ElapsedTime	
Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_mS_u32(CurrentTime)	target_Rte_Call_Sa_MtrDrvDiag_SystemTime	e_GetSystemTime_mS_u32_CurrentTime	
Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32(CurrentTime)	$target_Rte_Call_Sa_MtrDrvDiag_SystemTime$	e_GetSystemTime_uS_u32_CurrentTime	
Rte_Inst_Sa_MtrDrvDiag	target_Rte_Inst_Sa_MtrDrvDiag		
SVDiag_FETFaultPhase_Cnt_M_enum	0		
SVDiag_FETFaultType_Cnt_M_enum	0		
SVDiag_GateDriveFltAcc_Cnt_M_u16	10000		
SVDiag_GenGateDriveFltAcc_Cnt_M_u16	10		
SVDiag_MtrDrvInitActive_Cnt_M_lgc	1		
SVDiag_MtrDrvInitComp_Cnt_M_lgc	0		
SVDiag_MtrDrvInitStartTime_mS_M_u32p0	3125		
SVDiag_OnStateFltAcc_Cnt_M_u16	1111		
SVDiag_ResetWaitLoop_Cnt_M_lgc	0		
k_GateDriveDiag_Cnt_str.Threshold	1000		
k_GateDriveDiag_Cnt_str.PStep	5000		
k_GateDriveDiag_Cnt_str.NStep	11110		
COnStateDiag_Cnt_str.Threshold 1111			
k_OnStateDiag_Cnt_str.PStep	11000		
k_OnStateDiag_Cnt_str.NStep	0		
target_MtrDrvDiag_Per1_MtrDrvrInitStart_Cnt_Igc.value target Rte Call Sa MtrDrvDiag FetFlt2Clk OP GET signal	1		
target Rte Call Sa MtrDrvDiag NxtrDiagMgr GetNTCFailed NTCFailed Ptr T Igi			
target Rte Call Sa MtrDrvDiag SystemTime DtrmnElapsedTime mS u16 Elapse			
target Rte Call Sa MtrDrvDiag SystemTime DtrmnElapsedTime uS u16 Elapse			
target_Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_mS_u32_CurrentTi			
target Rte Call Sa MtrDrvDiag SystemTime GetSystemTime uS u32 CurrentTir			
target Rte Inst Sa MtrDrvDiag.MtrDrvDiag Per1 FETFaultPhase Cnt enum	target MtrDrvDiag Per1 FETFaultPhase Cn	t enum	
target Rte Inst Sa MtrDrvDiag.MtrDrvDiag Per1 FETFaultType Cnt enum	target MtrDrvDiag Per1 FETFaultType Cnt	_	
target Rte Inst Sa MtrDrvDiag.MtrDrvDiag Per1 GateDriveResetActive Cnt Igc	target MtrDrvDiag Per1 GateDriveResetActi		
target_Rte_Inst_Sa_MtrDrvDiag.MtrDrvDiag_Per1_MtrDrvrInitComplete_Cnt_Igc	target_MtrDrvDiag_Per1_MtrDrvrInitComplete	e_Cnt_lgc	
target_Rte_Inst_Sa_MtrDrvDiag.MtrDrvDiag_Per1_MtrDrvrInitStart_Cnt_lgc	target_MtrDrvDiag_Per1_MtrDrvrInitStart_Cn	t_lgc	
Name	Actual Value	Expected Value	Result
SVDiag_FETFaultPhase_Cnt_M_enum	0	0	~
SVDiag_FETFaultType_Cnt_M_enum	0	0	~
SVDiag_GateDriveFltAcc_Cnt_M_u16	10000	10000 ± 1	~
SVDiag_GenGateDriveFltAcc_Cnt_M_u16	10	10 ± 1	~
SVDiag_MtrDrvInitActive_Cnt_M_lgc	1	1	~
SVDiag_MtrDrvInitComp_Cnt_M_lgc	0	0	~
SVDiag_MtrDrvInitStartTime_mS_M_u32p0	3125	3125 ± 1	~
SVDiag_OnStateFltAcc_Cnt_M_u16	1111	1111 ± 1	~
SVDiag_ResetWaitLoop_Cnt_M_lgc	0	0	~
target_MtrDrvDiag_Per1_FETFaultPhase_Cnt_enum.value	0	0	~
target_MtrDrvDiag_Per1_FETFaultType_Cnt_enum.value	0	0	~
target_MtrDrvDiag_Per1_GateDriveResetActive_Cnt_lgc.value	0	0	~
target_MtrDrvDiag_Per1_MtrDrvrInitComplete_Cnt_lgc.value	0	0	~

Test Step Call Trace				
Actual Function	Count	Expected Function	Count	Result
Rte_Call_MtrDrvDiag_Per1_CP0_CheckpointReached	1	Rte_Call_MtrDrvDiag_Per1_CP0_CheckpointReached	1	~
Rte_Call_MtrDrvDiag_Per1_CP1_CheckpointReached	1	Rte_Call_MtrDrvDiag_Per1_CP1_CheckpointReached	1	•



Test Step 1.2 (Repeat Count = 1)			✓	
Name	Input Value			
Rte_Call_Sa_MtrDrvDiag_FetFlt2Clk_OP_GET(signal)	target Rte Call Sa MtrDrvDiag FetFlt2Clk OP GET signal			
Rte_Call_Sa_MtrDrvDiag_NxtrDiagMgr_GetNTCFailed(NTCFailed_Ptr_T_lgc)	target_Rte_Call_Sa_MtrDrvDiag_NxtrDiagMgr_GetNTCFailed_NTCFailed_Ptr_T_lgc			
Rte Call Sa MtrDrvDiag SystemTime DtrmnElapsedTime mS u16(ElapsedTime)				
Rte Call Sa MtrDrvDiag SystemTime DtrmnElapsedTime uS u16(ElapsedTime)				
Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_mS_u32(CurrentTime)	target Rte Call Sa MtrDrvDiag SystemTime GetSystemTime mS u32 CurrentTime			
Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32(CurrentTime)	target_Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32_CurrentTime			
Rte_Inst_Sa_MtrDrvDiag	target_Rte_Inst_Sa_MtrDrvDiag			
SVDiag FETFaultPhase Cnt M enum	3			
SVDiag FETFaultType Cnt M enum	2			
SVDiag GateDriveFltAcc Cnt M u16	0			
SVDiag GenGateDriveFltAcc Cnt M u16	70			
SVDiag_MtrDrvInitActive_Cnt_M_lgc	0			
SVDiag MtrDrvInitComp Cnt M Igc	1			
SVDiag MtrDrvInitStartTime mS M u32p0	83462			
SVDiag_OnStateFitAcc_Cnt_M_u16	7777			
	0			
SVDiag_ResetWaitLoop_Cnt_M_lgc k_GateDriveDiag_Cnt_str.Threshold	15000			
k_GateDriveDiag_Cnt_str.PStep k GateDriveDiag_Cnt_str.NStep	35000			
	20000			
k_OnStateDiag_Cnt_str.Threshold	7777			
k_OnStateDiag_Cnt_str.PStep	17000			
k_OnStateDiag_Cnt_str.NStep	7000			
target_MtrDrvDiag_Per1_MtrDrvrInitStart_Cnt_lgc.value				
target_Rte_Call_Sa_MtrDrvDiag_FetFlt2Clk_OP_GET_signal	1			
target_Rte_Call_Sa_MtrDrvDiag_NxtrDiagMgr_GetNTCFailed_NTCFailed_Ptr_T_lg				
target_Rte_Call_Sa_MtrDrvDiag_SystemTime_DtrmnElapsedTime_mS_u16_Elapse				
target_Rte_Call_Sa_MtrDrvDiag_SystemTime_DtrmnElapsedTime_uS_u16_Elapse				
target_Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_mS_u32_CurrentTi				
target_Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32_CurrentTire_				
target_Rte_Inst_Sa_MtrDrvDiag.MtrDrvDiag_Per1_FETFaultPhase_Cnt_enum	target_MtrDrvDiag_Per1_FETFaultPhase_Cnt_enum			
target_Rte_Inst_Sa_MtrDrvDiag.MtrDrvDiag_Per1_FETFaultType_Cnt_enum	target_MtrDrvDiag_Per1_FETFaultType_Cnt_enum			
target_Rte_Inst_Sa_MtrDrvDiag.MtrDrvDiag_Per1_GateDriveResetActive_Cnt_lgc	target_MtrDrvDiag_Per1_GateDriveResetActive_Cnt_lgc			
target_Rte_Inst_Sa_MtrDrvDiag.MtrDrvDiag_Per1_MtrDrvrInitComplete_Cnt_Igc	target_MtrDrvDiag_Per1_MtrDrvrInitComplete_Cnt_lgc			
target_Rte_Inst_Sa_MtrDrvDiag.MtrDrvDiag_Per1_MtrDrvrInitStart_Cnt_lgc	target_MtrDrvDiag_Per1_MtrDrvrInitStart_Cr	nt_lgc		
Name	Actual Value	Expected Value	Result	
SVDiag_FETFaultPhase_Cnt_M_enum	3	3	·	
SVDiag_FETFaultType_Cnt_M_enum	2	2	·	
SVDiag_GateDriveFltAcc_Cnt_M_u16	15000	15000 ± 1	•	
SVDiag_GenGateDriveFltAcc_Cnt_M_u16	70	70 ± 1	•	
SVDiag_MtrDrvInitActive_Cnt_M_lgc	0	0	-	
SVDiag_MtrDrvInitComp_Cnt_M_lgc	1	1	-	
SVDiag_MtrDrvInitStartTime_mS_M_u32p0	83462	83462 ± 1	-	
SVDiag_OnStateFltAcc_Cnt_M_u16	7777	7777 ± 1	•	
SVDiag_ResetWaitLoop_Cnt_M_lgc	0	0	-	
target_MtrDrvDiag_Per1_FETFaultPhase_Cnt_enum.value	3	3	-	
target_MtrDrvDiag_Per1_FETFaultType_Cnt_enum.value	2	2	-	
target_MtrDrvDiag_Per1_GateDriveResetActive_Cnt_Igc.value	1	1	•	
target_MtrDrvDiag_Per1_MtrDrvrInitComplete_Cnt_lgc.value	1	1	-	
NTC	0x4C	0x4C	-	
Param	0x01	0x01	-	
Status	0x01	0x01	•	

MtrDrvDiag_Per1

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MtrDrvDiag_Per1



Actual Function		Expected Function		Result
Rte_Call_MtrDrvDiag_Per1_CP0_CheckpointReached	1	Rte_Call_MtrDrvDiag_Per1_CP0_CheckpointReached	1	~
Rte_Call_Sa_MtrDrvDiag_FetFlt1Data_OP_GET	1	Rte_Call_Sa_MtrDrvDiag_FetFlt1Data_OP_GET	1	V
Rte_Call_Sa_MtrDrvDiag_FetFlt2Clk_OP_GET	1	Rte_Call_Sa_MtrDrvDiag_FetFlt2Clk_OP_GET	1	~
Rte_Call_Sa_MtrDrvDiag_NxtrDiagMgr_SetNTCStatus	1	Rte_Call_Sa_MtrDrvDiag_NxtrDiagMgr_SetNTCStatus	1	V
ProcGateDriveFlt Pto Coll So MtrDriDiog NytrDiogMar SotNTCStatus	1	ProcGateDriveFlt Pto Coll So MtrDovDica NytrDicaMar SotNTCStatus	1	*
Rte_Call_Sa_MtrDrvDiag_NxtrDiagMgr_SetNTCStatus ReadMtrDrvFltData	1	Rte_Call_Sa_MtrDrvDiag_NxtrDiagMgr_SetNTCStatus ReadMtrDrvFltData	1	Ž
Rte_Call_Sa_MtrDrvDiag_loHwAbPortConfig_SetFetFlt2ToOutput	1	Rte_Call_Sa_MtrDrvDiag_loHwAbPortConfig_SetFetFlt2ToOutput	1	~
Rte_Call_Sa_MtrDrvDiag_FetFlt2Clk_OP_SET	1	Rte_Call_Sa_MtrDrvDiag_FetFlt2Clk_OP_SET	1	
GateDrvWaitTime	1	GateDrvWaitTime	1	
Rte Call Sa MtrDrvDiag SystemTime GetSystemTime uS u32	1	Rte Call Sa MtrDrvDiag SystemTime GetSystemTime uS u32	1	
Rte_Call_Sa_MtrDrvDiag_SystemTime_DtrmnElapsedTime_uS_u16	1	Rte_Call_Sa_MtrDrvDiag_SystemTime_DtrmnElapsedTime_uS_u16	1	•
Rte_Call_Sa_MtrDrvDiag_FetFlt1Data_OP_GET	1	Rte_Call_Sa_MtrDrvDiag_FetFlt1Data_OP_GET	1	-
Rte_Call_Sa_MtrDrvDiag_FetFlt2Clk_OP_SET	1	Rte_Call_Sa_MtrDrvDiag_FetFlt2Clk_OP_SET	1	~
GateDrvWaitTime	1	GateDrvWaitTime	1	-
Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32	1	Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32	1	~
Rte_Call_Sa_MtrDrvDiag_SystemTime_DtrmnElapsedTime_uS_u16	1	Rte_Call_Sa_MtrDrvDiag_SystemTime_DtrmnElapsedTime_uS_u16	1	~
Rte_Call_Sa_MtrDrvDiag_FetFlt2Clk_OP_SET	1	Rte_Call_Sa_MtrDrvDiag_FetFlt2Clk_OP_SET	1	~
GateDrvWaitTime	1	GateDrvWaitTime	1	~
Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32	1	Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32	1	~
Rte_Call_Sa_MtrDrvDiag_SystemTime_DtrmnElapsedTime_uS_u16	1	Rte_Call_Sa_MtrDrvDiag_SystemTime_DtrmnElapsedTime_uS_u16	1	~
Rte_Call_Sa_MtrDrvDiag_FetFlt1Data_OP_GET	1	Rte_Call_Sa_MtrDrvDiag_FetFlt1Data_OP_GET	1	~
Rte_Call_Sa_MtrDrvDiag_FetFlt2Clk_OP_SET	1	Rte_Call_Sa_MtrDrvDiag_FetFlt2Clk_OP_SET	1	~
GateDrvWaitTime	1	GateDrvWaitTime	1	~
Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32	1	Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32	1	~
Rte_Call_Sa_MtrDrvDiag_SystemTime_DtrmnElapsedTime_uS_u16	1	Rte_Call_Sa_MtrDrvDiag_SystemTime_DtrmnElapsedTime_uS_u16	1	~
Rte_Call_Sa_MtrDrvDiag_FetFlt2Clk_OP_SET	1	Rte_Call_Sa_MtrDrvDiag_FetFlt2Clk_OP_SET	1	~
GateDrvWaitTime	1	GateDrvWaitTime	1	~
Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32	1	Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32	1	~
Rte_Call_Sa_MtrDrvDiag_SystemTime_DtrmnElapsedTime_uS_u16	1	Rte_Call_Sa_MtrDrvDiag_SystemTime_DtrmnElapsedTime_uS_u16	1	~
Rte_Call_Sa_MtrDrvDiag_FetFlt1Data_OP_GET	1	Rte_Call_Sa_MtrDrvDiag_FetFlt1Data_OP_GET	1	V
Rte_Call_Sa_MtrDrvDiag_FetFlt2Clk_OP_SET	1	Rte_Call_Sa_MtrDrvDiag_FetFlt2Clk_OP_SET	1	V
GateDrvWaitTime	1	GateDrvWaitTime	1	~
Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32	1	Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32	1	
Rte_Call_Sa_MtrDrvDiag_SystemTime_DtrmnElapsedTime_uS_u16 Rte_Call_Sa_MtrDrvDiag_FetFlt2Clk_OP_SET	1	Rte_Call_Sa_MtrDrvDiag_SystemTime_DtrmnElapsedTime_uS_u16 Rte_Call_Sa_MtrDrvDiag_FetFlt2Clk_OP_SET	1	
GateDryWaitTime	1	GateDrvWaitTime	1	
Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32	1	Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32	1	· ·
Rte Call Sa MtrDrvDiag SystemTime DtrmnElapsedTime uS u16	1	Rte_Call_Sa_MtrDrvDiag_SystemTime_DtrmnElapsedTime_uS_u16	1	
Rte_Call_Sa_MtrDrvDiag_FetFlt1Data_OP_GET	1	Rte_Call_Sa_MtrDrvDiag_FetFlt1Data_OP_GET	1	~
Rte Call Sa MtrDrvDiag FetFlt2Clk OP SET	1	Rte_Call_Sa_MtrDrvDiag_FetFlt2Clk_OP_SET	1	_
GateDrvWaitTime	1	GateDrvWaitTime	1	✓
Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32	1	Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32	1	~
Rte_Call_Sa_MtrDrvDiag_SystemTime_DtrmnElapsedTime_uS_u16	1	Rte_Call_Sa_MtrDrvDiag_SystemTime_DtrmnElapsedTime_uS_u16	1	~
Rte_Call_Sa_MtrDrvDiag_FetFlt2Clk_OP_SET	1	Rte_Call_Sa_MtrDrvDiag_FetFlt2Clk_OP_SET	1	~
GateDrvWaitTime	1	GateDrvWaitTime	1	~
Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32	1	Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32	1	~
Rte_Call_Sa_MtrDrvDiag_SystemTime_DtrmnElapsedTime_uS_u16	1	Rte_Call_Sa_MtrDrvDiag_SystemTime_DtrmnElapsedTime_uS_u16	1	✓
Rte_Call_Sa_MtrDrvDiag_FetFlt1Data_OP_GET	1	Rte_Call_Sa_MtrDrvDiag_FetFlt1Data_OP_GET	1	~
Rte_Call_Sa_MtrDrvDiag_FetFlt2Clk_OP_SET	1	Rte_Call_Sa_MtrDrvDiag_FetFlt2Clk_OP_SET	1	•
GateDrvWaitTime	1	GateDrvWaitTime	1	~
Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32	1	Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32	1	~
Rte_Call_Sa_MtrDrvDiag_SystemTime_DtrmnElapsedTime_uS_u16	1	Rte_Call_Sa_MtrDrvDiag_SystemTime_DtrmnElapsedTime_uS_u16	1	~
Rte_Call_Sa_MtrDrvDiag_FetFlt2Clk_OP_SET	1	Rte_Call_Sa_MtrDrvDiag_FetFlt2Clk_OP_SET	1	~
GateDrvWaitTime	1	GateDrvWaitTime	1	~
Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32	1	Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32	1	~
Rte_Call_Sa_MtrDrvDiag_SystemTime_DtrmnElapsedTime_uS_u16	1	Rte_Call_Sa_MtrDrvDiag_SystemTime_DtrmnElapsedTime_uS_u16	1	~
Rte_Call_Sa_MtrDrvDiag_FetFlt1Data_OP_GET	1	Rte_Call_Sa_MtrDrvDiag_FetFlt1Data_OP_GET	1	~
Rte_Call_Sa_MtrDrvDiag_FetFlt2Clk_OP_SET	1	Rte_Call_Sa_MtrDrvDiag_FetFlt2Clk_OP_SET	1	•
GateDrvWaitTime	1	GateDrvWaitTime	1	V
Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32	1	Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32	1	•
Rte_Call_Sa_MtrDrvDiag_SystemTime_DtrmnElapsedTime_uS_u16	1	Rte_Call_Sa_MtrDrvDiag_SystemTime_DtrmnElapsedTime_uS_u16	1	✓
Rte_Call_Sa_MtrDrvDiag_FetFlt2Clk_OP_SET	1	Rte_Call_Sa_MtrDrvDiag_FetFlt2Clk_OP_SET	1	•
GateDrvWaitTime Pto Coll So MtrDrvDiog SystemTime CotSystemTime us us use	1	GateDrvWaitTime	1	•
Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32	1	Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32	1	· ·
Rte_Call_Sa_MtrDrvDiag_SystemTime_DtrmnElapsedTime_uS_u16	1	Rte_Call_Sa_MtrDrvDiag_SystemTime_DtrmnElapsedTime_uS_u16	1	· ·
Rte_Call_Sa_MtrDrvDiag_FetFlt1Data_OP_GET	1	Rte_Call_Sa_MtrDrvDiag_FetFlt1Data_OP_GET	1	· ·
Rte_Call_Sa_MtrDrvDiag_FetFlt2Clk_OP_SET	1	Rte_Call_Sa_MtrDrvDiag_FetFlt2Clk_OP_SET GateDrvWaitTime	1	~
GateDry/WaitTime	1.1	Odicolivivalitiliic		
GateDrvWaitTime Rte Call Sa MtrDrvDiag SystemTime GetSystemTime uS u32	1	Rte Call Sa MtrDrvDiag SystemTime GetSystemTime us us?	1	
Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32	1	Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32 Rte_Call_Sa_MtrDrvDiag_SystemTime_DtrmnFlansedTime_uS_u16	1	V
	1 1 1	Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32 Rte_Call_Sa_MtrDrvDiag_SystemTime_DtrmnElapsedTime_uS_u16 Rte_Call_Sa_MtrDrvDiag_FetFlt2Clk_OP_SET	1 1 1	~

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Actual Function	Count	Expected Function	Count	Result
Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32	1	Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32	1	•
Rte_Call_Sa_MtrDrvDiag_SystemTime_DtrmnElapsedTime_uS_u16	1	Rte_Call_Sa_MtrDrvDiag_SystemTime_DtrmnElapsedTime_uS_u16	1	~
Rte_Call_Sa_MtrDrvDiag_FetFlt1Data_OP_GET	1	Rte_Call_Sa_MtrDrvDiag_FetFlt1Data_OP_GET	1	•
Rte_Call_Sa_MtrDrvDiag_FetFlt2Clk_OP_SET	1	Rte_Call_Sa_MtrDrvDiag_FetFlt2Clk_OP_SET	1	~
GateDrvWaitTime	1	GateDrvWaitTime	1	•
Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32	1	Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32	1	~
Rte_Call_Sa_MtrDrvDiag_SystemTime_DtrmnElapsedTime_uS_u16	1	Rte_Call_Sa_MtrDrvDiag_SystemTime_DtrmnElapsedTime_uS_u16	1	~
Rte_Call_Sa_MtrDrvDiag_FetFlt2Clk_OP_SET	1	Rte_Call_Sa_MtrDrvDiag_FetFlt2Clk_OP_SET	1	~
GateDrvWaitTime	1	GateDrvWaitTime	1	~
Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32	1	Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32	1	~
Rte_Call_Sa_MtrDrvDiag_SystemTime_DtrmnElapsedTime_uS_u16	1	Rte_Call_Sa_MtrDrvDiag_SystemTime_DtrmnElapsedTime_uS_u16	1	~
Rte_Call_Sa_MtrDrvDiag_FetFlt1Data_OP_GET	1	Rte_Call_Sa_MtrDrvDiag_FetFlt1Data_OP_GET	1	~
Rte_Call_Sa_MtrDrvDiag_FetFlt2Clk_OP_SET	1	Rte_Call_Sa_MtrDrvDiag_FetFlt2Clk_OP_SET	1	~
GateDrvWaitTime	1	GateDrvWaitTime	1	~
Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32	1	Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32	1	~
Rte_Call_Sa_MtrDrvDiag_SystemTime_DtrmnElapsedTime_uS_u16	1	Rte_Call_Sa_MtrDrvDiag_SystemTime_DtrmnElapsedTime_uS_u16	1	~
Rte_Call_Sa_MtrDrvDiag_FetFlt2Clk_OP_SET	1	Rte_Call_Sa_MtrDrvDiag_FetFlt2Clk_OP_SET	1	~
GateDrvWaitTime	1	GateDrvWaitTime	1	~
Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32	1	Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32	1	~
Rte_Call_Sa_MtrDrvDiag_SystemTime_DtrmnElapsedTime_uS_u16	1	Rte_Call_Sa_MtrDrvDiag_SystemTime_DtrmnElapsedTime_uS_u16	1	~
Rte_Call_Sa_MtrDrvDiag_FetFlt1Data_OP_GET	1	Rte_Call_Sa_MtrDrvDiag_FetFlt1Data_OP_GET	1	•
Rte_Call_Sa_MtrDrvDiag_FetFlt2Clk_OP_SET	1	Rte_Call_Sa_MtrDrvDiag_FetFlt2Clk_OP_SET	1	~
GateDrvWaitTime	1	GateDrvWaitTime	1	•
Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32	1	Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32	1	~
Rte_Call_Sa_MtrDrvDiag_SystemTime_DtrmnElapsedTime_uS_u16	1	Rte_Call_Sa_MtrDrvDiag_SystemTime_DtrmnElapsedTime_uS_u16	1	~
Rte_Call_Sa_MtrDrvDiag_IoHwAbPortConfig_SetFetFlt2ToOutput	1	Rte_Call_Sa_MtrDrvDiag_loHwAbPortConfig_SetFetFlt2ToOutput	1	~
ResetGateDrive	1	ResetGateDrive	1	~
SuspendAllInterrupts	1	SuspendAllInterrupts	1	~
Rte_Call_Sa_MtrDrvDiag_FetDrvReset_OP_SET	1	Rte_Call_Sa_MtrDrvDiag_FetDrvReset_OP_SET	1	~
GateDrvWaitTime	1	GateDrvWaitTime	1	~
Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32	1	Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32	1	~
Rte_Call_Sa_MtrDrvDiag_SystemTime_DtrmnElapsedTime_uS_u16	1	Rte_Call_Sa_MtrDrvDiag_SystemTime_DtrmnElapsedTime_uS_u16	1	~
Rte_Call_Sa_MtrDrvDiag_FetDrvReset_OP_SET	1	Rte_Call_Sa_MtrDrvDiag_FetDrvReset_OP_SET	1	-
ResumeAllInterrupts	1	ResumeAllInterrupts	1	~
Rte_Call_MtrDrvDiag_Per1_CP1_CheckpointReached	1	Rte_Call_MtrDrvDiag_Per1_CP1_CheckpointReached	1	~



Test Case 2: Boundary Test

Specification

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

TC2.1 1123 Cycles
TC2.2 1035 Cycles
TC2.2 1035 Cycles
TC2.3 1035 Cycles
TC2.4 4281 Cycles
TC2.5 11447 Cycles
TC2.5 11447 Cycles
TC2.6 11351 Cycles
TC2.7 8692 Cycles
TC2.8 8693 Cycles
TC2.9 8646 Cycles
TC2.10 8654 Cycles
TC2.11 18464 Cycles
TC2.11 18301 Cycles
TC2.12 18317 Cycles
TC2.13 18301 Cycles
TC2.14 18298 Cycles
TC2.15 18340 Cycles
TC2.16 18260 Cycles
TC2.17 18348 Cycles
TC2.19 18298 Cycles
TC2.19 18298 Cycles
TC2.19 18298 Cycles
TC2.20 8846 Cycles
TC2.21 81337 Cycles
TC2.22 18387 Cycles
TC2.22 18387 Cycles
TC2.23 11511 Cycles
TC2.23 11511 Cycles
TC2.25 4156 Cycles
```

Description

Vector Description

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TS2.1MtrDrvrInitStart_Cnt_Igc=Min
TS2.2MtrDrvrInitStart_Cnt_Igc=Max
TS2.3SVDiag_MtrDrvInitComp_Cnt_M_Igc=Min
TS2.4SVDiag_MtrDrvInitComp_Cnt_M_Igc=Max
TS2.5SVDiag_GateDriveFitAcc_Cnt_M_u16=Min
TS2.6SVDiag_GateDriveFitAcc_Cnt_M_u16=Max
TS2.7SVDiag_GateDriveFitAcc_Cnt_M_u16=Pos
TS2.8SVDiag_GenGateDriveFitAcc_Cnt_M_u16=Min
TS2.9SVDiag_GenGateDriveFitAcc_Cnt_M_u16=Min
TS2.9SVDiag_GenGateDriveFitAcc_Cnt_M_u16=Max
TS2.11SVDiag_OnStateFitAcc_Cnt_M_u16=Min
TS2.12SVDiag_OnStateFitAcc_Cnt_M_u16=Min
TS2.12SVDiag_OnStateFitAcc_Cnt_M_u16=Min
TS2.13SVDiag_OnStateFitAcc_Cnt_M_u16=Max
TS2.13SVDiag_OnStateFitAcc_Cnt_M_u16=Pos
TS2.14k_GateDriveDiag_Cnt_str.NStep=Min
TS2.15k_GateDriveDiag_Cnt_str.NStep=Max
TS2.16k_GateDriveDiag_Cnt_str.NStep=Pos
TS2.17k_OnStateDiag_Cnt_str.NStep=Max
TS2.19k_OnStateDiag_Cnt_str.NStep=Max
TS2.19k_OnStateDiag_Cnt_str.NStep=Max
TS2.19k_OnStateDiag_Cnt_str.NStep=Max
TS2.19k_OnStateDiag_Cnt_str.NStep=Max
TS2.19k_OnStateDiag_Cnt_str.NStep=Pos
TS2.20SVDiag_ResetWaitLoop_Cnt_M_Igc=Min
TS2.21SVDiag_ResetWaitLoop_Cnt_M_Igc=Min
TS2.21SVDiag_ResetWaitLoop_Cnt_M_Igc=Max
TS2.23Rte_Call_FetFit1Data_OP_GET_and Rte_Call_FetFit2Clk_OP_GET=False
TS2.23Rte_Call_FetFit1Data_OP_GET_and Rte_Call_FetFit2Clk_OP_GET=True
TS2.24All Min
TS2.25All Max
```

Test Step 2.1 (Repeat Count = 1)	🗸
Name	Input Value
Rte_Call_Sa_MtrDrvDiag_FetFlt2Clk_OP_GET(signal)	target_Rte_Call_Sa_MtrDrvDiag_FetFlt2Clk_OP_GET_signal
Rte_Call_Sa_MtrDrvDiag_NxtrDiagMgr_GetNTCFailed(NTCFailed_Ptr_T_lgc)	target_Rte_Call_Sa_MtrDrvDiag_NxtrDiagMgr_GetNTCFailed_NTCFailed_Ptr_T_lgc
Rte_Call_Sa_MtrDrvDiag_SystemTime_DtrmnElapsedTime_mS_u16(ElapsedTime)	target_Rte_Call_Sa_MtrDrvDiag_SystemTime_DtrmnElapsedTime_mS_u16_ElapsedTime
$Rte_Call_Sa_MtrDrvDiag_SystemTime_DtrmnElapsedTime_uS_u16(ElapsedTime)$	target_Rte_Call_Sa_MtrDrvDiag_SystemTime_DtrmnElapsedTime_uS_u16_ElapsedTime
Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_mS_u32(CurrentTime)	target_Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_mS_u32_CurrentTime
Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32(CurrentTime)	target_Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32_CurrentTime
Rte_Inst_Sa_MtrDrvDiag	target_Rte_Inst_Sa_MtrDrvDiag
SVDiag_FETFaultPhase_Cnt_M_enum	0
SVDiag_FETFaultType_Cnt_M_enum	0
SVDiag_GateDriveFltAcc_Cnt_M_u16	10000
SVDiag_GenGateDriveFltAcc_Cnt_M_u16	10
SVDiag_MtrDrvInitActive_Cnt_M_lgc	1
SVDiag_MtrDrvInitComp_Cnt_M_lgc	0
SVDiag_MtrDrvInitStartTime_mS_M_u32p0	3125
SVDiag_OnStateFltAcc_Cnt_M_u16	1111
SVDiag_ResetWaitLoop_Cnt_M_lgc	0
k_GateDriveDiag_Cnt_str.Threshold	1000
k_GateDriveDiag_Cnt_str.PStep	5000
k_GateDriveDiag_Cnt_str.NStep	11110
k_OnStateDiag_Cnt_str.Threshold	1111
k_OnStateDiag_Cnt_str.PStep	11000
k_OnStateDiag_Cnt_str.NStep	1000
target_MtrDrvDiag_Per1_MtrDrvrInitStart_Cnt_lgc.value	0
target_Rte_Call_Sa_MtrDrvDiag_FetFlt2Clk_OP_GET_signal	1
target_Rte_Call_Sa_MtrDrvDiag_NxtrDiagMgr_GetNTCFailed_NTCFailed_Ptr_T_lgr	0
$target_Rte_Call_Sa_MtrDrvDiag_SystemTime_DtrmnElapsedTime_mS_u16_ElapsetElaps$	1000
target_Rte_Call_Sa_MtrDrvDiag_SystemTime_DtrmnElapsedTime_uS_u16_Elapse	11100
target Rte Call Sa MtrDrvDiag SystemTime GetSystemTime mS u32 CurrentTi	5000

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Name	Input Value		
target_Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32_CurrentTime_us_u32_CurrentT	100000		
target_Rte_Inst_Sa_MtrDrvDiag.MtrDrvDiag_Per1_FETFaultPhase_Cnt_enum	target_MtrDrvDiag_Per1_FETFaultPhase_Ci	nt_enum	
target_Rte_Inst_Sa_MtrDrvDiag.MtrDrvDiag_Per1_FETFaultType_Cnt_enum	target_MtrDrvDiag_Per1_FETFaultType_Cnt	_enum	
$target_Rte_Inst_Sa_MtrDrvDiag.MtrDrvDiag_Per1_GateDriveResetActive_Cnt_lgc$	target_MtrDrvDiag_Per1_GateDriveResetAct	tive_Cnt_lgc	
$target_Rte_Inst_Sa_MtrDrvDiag.MtrDrvDiag_Per1_MtrDrvrInitComplete_Cnt_lgc$	target_MtrDrvDiag_Per1_MtrDrvrInitComplet	e_Cnt_lgc	
target_Rte_Inst_Sa_MtrDrvDiag.MtrDrvDiag_Per1_MtrDrvrInitStart_Cnt_Igc	target_MtrDrvDiag_Per1_MtrDrvrInitStart_Cr	nt_lgc	
Name	Actual Value	Expected Value	Result
SVDiag_FETFaultPhase_Cnt_M_enum	0	0	~
SVDiag_FETFaultType_Cnt_M_enum	0	0	✓
SVDiag_GateDriveFltAcc_Cnt_M_u16	10000	10000 ± 1	~
SVDiag_GenGateDriveFltAcc_Cnt_M_u16	10	10 ± 1	~
SVDiag_MtrDrvInitActive_Cnt_M_lgc	1	1	~
SVDiag_MtrDrvInitComp_Cnt_M_lgc	0	0	~
SVDiag_MtrDrvInitStartTime_mS_M_u32p0	3125	3125 ± 1	~
SVDiag_OnStateFltAcc_Cnt_M_u16	1111	1111 ± 1	✓
SVDiag_ResetWaitLoop_Cnt_M_lgc	0	0	~
target_MtrDrvDiag_Per1_FETFaultPhase_Cnt_enum.value	0	0	~
target_MtrDrvDiag_Per1_FETFaultType_Cnt_enum.value	0	0	~
target_MtrDrvDiag_Per1_GateDriveResetActive_Cnt_lgc.value	0	0	~
target_MtrDrvDiag_Per1_MtrDrvrInitComplete_Cnt_lgc.value	0	0	~

Test Step Call Trace				V
Actual Function	Count	Expected Function	Count	Result
Rte_Call_MtrDrvDiag_Per1_CP0_CheckpointReached	1	Rte_Call_MtrDrvDiag_Per1_CP0_CheckpointReached	1	~
Rte_Call_MtrDrvDiag_Per1_CP1_CheckpointReached	1	Rte_Call_MtrDrvDiag_Per1_CP1_CheckpointReached	1	~

Name	Input Value		
Rte Call Sa MtrDrvDiag FetFlt2Clk OP GET(signal)	target_Rte_Call_Sa_MtrDrvDiag_FetFlt2Clk_	OP GET signal	
Rte Call Sa MtrDrvDiag NxtrDiagMgr GetNTCFailed(NTCFailed Ptr T lgc)	target Rte Call Sa MtrDrvDiag NxtrDiagM		
Rte Call Sa MtrDrvDiag SystemTime DtrmnElapsedTime mS u16(ElapsedTime)	target Rte Call Sa MtrDrvDiag SystemTim	ne DtrmnElapsedTime mS u16 ElapsedTime	e
Rte Call Sa MtrDrvDiag SystemTime DtrmnElapsedTime uS u16(ElapsedTime)		ne DtrmnElapsedTime uS u16 ElapsedTime	
Rte Call Sa MtrDrvDiag SystemTime GetSystemTime mS u32(CurrentTime)	target Rte Call Sa MtrDrvDiag SystemTim		
Rte Call Sa MtrDrvDiag SystemTime GetSystemTime uS u32(CurrentTime)	target_Rte_Call_Sa_MtrDrvDiag_SystemTim		
Rte_Inst_Sa_MtrDrvDiag	target_Rte_Inst_Sa_MtrDrvDiag	_ ,	
SVDiag FETFaultPhase Cnt M enum	1		
SVDiag FETFaultType Cnt M enum	1		
SVDiag GateDriveFltAcc Cnt M u16	20000		
SVDiag GenGateDriveFltAcc Cnt M u16	20		
SVDiag MtrDrvInitActive Cnt M Igc	1		
SVDiag MtrDrvInitComp Cnt M Igc	0		
SVDiag MtrDrvInitStartTime mS M u32p0	747		
SVDiag OnStateFltAcc Cnt M u16	2222		
SVDiag ResetWaitLoop Cnt M Igc	1		
c_GateDriveDiag_Cnt_str.Threshold	2000		
GateDriveDiag Cnt str.PStep	10000		
GateDriveDiag Cnt str.NStep	22220		
OnStateDiag Cnt str.Threshold	2222		
C OnStateDiag Cnt str.PStep	12000		
OnStateDiag Cnt str.NStep	2000		
arget MtrDrvDiag Per1 MtrDrvrInitStart Cnt Igc.value	1		
arget Rte Call Sa MtrDrvDiag FetFlt2Clk OP GET signal	1		
arget Rte Call Sa MtrDrvDiag NxtrDiagMgr GetNTCFailed NTCFailed Ptr T Ig	1		
arget Rte Call Sa MtrDrvDiag SystemTime DtrmnElapsedTime mS u16 Elapse			
arget Rte Call Sa MtrDrvDiag SystemTime DtrmnElapsedTime uS u16 Elapse			
arget Rte Call Sa MtrDrvDiag SystemTime GetSystemTime mS u32 CurrentTi			
arget Rte Call Sa MtrDrvDiag SystemTime GetSystemTime uS u32 CurrentTir			
arget Rte Inst Sa MtrDrvDiag.MtrDrvDiag Per1 FETFaultPhase Cnt enum	target MtrDrvDiag Per1 FETFaultPhase C	nt enum	
arget Rte Inst Sa MtrDrvDiag.MtrDrvDiag Per1 FETFaultType Cnt enum	target MtrDrvDiag Per1 FETFaultType Cni	_	
arget_Rte_Inst_Sa_MtrDrvDiag.MtrDrvDiag_Per1_GateDriveResetActive_Cnt_lgc	target_MtrDrvDiag_Per1_GateDriveResetAc	_	
arget Rte Inst Sa MtrDrvDiag.MtrDrvDiag Per1 MtrDrvrInitComplete Cnt Igc	target MtrDrvDiag Per1 MtrDrvrInitComplet		
arget Rte Inst Sa MtrDrvDiag.MtrDrvDiag Per1 MtrDrvrInitStart Cnt Igc	target MtrDrvDiag Per1 MtrDrvrInitStart Cr	,	
Name	Actual Value	Expected Value	Resu
SVDiag FETFaultPhase Cnt M enum	1	1	1
SVDiag FETFaultType Cnt M enum	1	1	
SVDiag GateDriveFltAcc Cnt M u16	20000	20000 ± 1	
SVDiag_GateDriveFitAcc Cnt M u16	20	20 ± 1	
SVDiag_GenealeBriver is rec_ont_m_a re	0	0	
SVDiag_MtrDrvInitComp_Cnt_M_gc	1	1	
SVDiag_MtrDrvInitStartTime mS M u32p0	747	747 ± 1	

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Name	Actual Value	Expected Value	Result
SVDiag_OnStateFltAcc_Cnt_M_u16	2222	2222 ± 1	✓
SVDiag_ResetWaitLoop_Cnt_M_lgc	1	1	✓
target_MtrDrvDiag_Per1_FETFaultPhase_Cnt_enum.value	1	1	✓
target_MtrDrvDiag_Per1_FETFaultType_Cnt_enum.value	1	1	✓
target_MtrDrvDiag_Per1_GateDriveResetActive_Cnt_lgc.value	0	0	✓
target_MtrDrvDiag_Per1_MtrDrvrInitComplete_Cnt_lgc.value	1	1	✓

Test Step Call Trace				✓
Actual Function	Count	Expected Function	Count	Result
Rte_Call_MtrDrvDiag_Per1_CP0_CheckpointReached	1	Rte_Call_MtrDrvDiag_Per1_CP0_CheckpointReached	1	~
MotorDriverInit	1	MotorDriverInit	1	~
Rte_Call_Sa_MtrDrvDiag_SystemTime_DtrmnElapsedTime_mS_u16	1	Rte_Call_Sa_MtrDrvDiag_SystemTime_DtrmnElapsedTime_mS_u16	1	~
ResetGateDrive	1	ResetGateDrive	1	~
SuspendAllInterrupts	1	SuspendAllInterrupts	1	~
Rte_Call_Sa_MtrDrvDiag_FetDrvReset_OP_SET	1	Rte_Call_Sa_MtrDrvDiag_FetDrvReset_OP_SET	1	•
GateDrvWaitTime	1	GateDrvWaitTime	1	~
Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32	1	Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32	1	~
Rte_Call_Sa_MtrDrvDiag_SystemTime_DtrmnElapsedTime_uS_u16	1	Rte_Call_Sa_MtrDrvDiag_SystemTime_DtrmnElapsedTime_uS_u16	1	~
Rte_Call_Sa_MtrDrvDiag_FetDrvReset_OP_SET	1	Rte_Call_Sa_MtrDrvDiag_FetDrvReset_OP_SET	1	•
ResumeAllInterrupts	1	ResumeAllInterrupts	1	~
Rte_Call_MtrDrvDiag_Per1_CP1_CheckpointReached	1	Rte_Call_MtrDrvDiag_Per1_CP1_CheckpointReached	1	~

Name	Input Value		
Rte_Call_Sa_MtrDrvDiag_FetFlt2Clk_OP_GET(signal)	target Rte Call Sa MtrDrvDiag FetFlt	2Clk OP GET signal	
Rte Call Sa MtrDrvDiag NxtrDiagMgr GetNTCFailed(NTCFailed Ptr T lgc)	target Rte Call Sa MtrDrvDiag NxtrDi	iagMgr GetNTCFailed NTCFailed Ptr	T Igc
Rte_Call_Sa_MtrDrvDiag_SystemTime_DtrmnElapsedTime_mS_u16(ElapsedTime)	target_Rte_Call_Sa_MtrDrvDiag_System	mTime_DtrmnElapsedTime_mS_u16_ElapsedTime	apsedTime
Rte_Call_Sa_MtrDrvDiag_SystemTime_DtrmnElapsedTime_uS_u16(ElapsedTime)	target_Rte_Call_Sa_MtrDrvDiag_System	mTime_DtrmnElapsedTime_uS_u16_Ela	apsedTime
Rte Call Sa MtrDrvDiag SystemTime GetSystemTime mS u32(CurrentTime)	target Rte Call Sa MtrDrvDiag Syster	mTime GetSystemTime mS u32 Curre	entTime
Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32(CurrentTime)	target_Rte_Call_Sa_MtrDrvDiag_System	mTime_GetSystemTime_uS_u32_Currer	ntTime
Rte_Inst_Sa_MtrDrvDiag	target_Rte_Inst_Sa_MtrDrvDiag		
SVDiag_FETFaultPhase_Cnt_M_enum	1		
SVDiag_FETFaultType_Cnt_M_enum	1		
SVDiag_GateDriveFltAcc_Cnt_M_u16	50000		
SVDiag_GenGateDriveFltAcc_Cnt_M_u16	50		
SVDiag_MtrDrvInitActive_Cnt_M_lgc	1		
SVDiag_MtrDrvInitComp_Cnt_M_lgc	0		
SVDiag_MtrDrvInitStartTime_mS_M_u32p0	344		
SVDiag_OnStateFltAcc_Cnt_M_u16	5555		
SVDiag_ResetWaitLoop_Cnt_M_lgc	0		
k_GateDriveDiag_Cnt_str.Threshold	5000		
k_GateDriveDiag_Cnt_str.PStep	25000		
k_GateDriveDiag_Cnt_str.NStep	55550		
<_OnStateDiag_Cnt_str.Threshold	5555		
<_OnStateDiag_Cnt_str.PStep	15000		
<_OnStateDiag_Cnt_str.NStep	5000		
target_MtrDrvDiag_Per1_MtrDrvrInitStart_Cnt_lgc.value	0		
target_Rte_Call_Sa_MtrDrvDiag_FetFlt2Clk_OP_GET_signal	1		
target_Rte_Call_Sa_MtrDrvDiag_NxtrDiagMgr_GetNTCFailed_NTCFailed_Ptr_T_lgr	1		
target_Rte_Call_Sa_MtrDrvDiag_SystemTime_DtrmnElapsedTime_mS_u16_Elapse	11000		
target_Rte_Call_Sa_MtrDrvDiag_SystemTime_DtrmnElapsedTime_uS_u16_Elapse	15100		
target_Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_mS_u32_CurrentTi	17000		
target_Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32_CurrentTir	500000		
target_Rte_Inst_Sa_MtrDrvDiag.MtrDrvDiag_Per1_FETFaultPhase_Cnt_enum	target_MtrDrvDiag_Per1_FETFaultPhas	se_Cnt_enum	
target_Rte_Inst_Sa_MtrDrvDiag.MtrDrvDiag_Per1_FETFaultType_Cnt_enum	target_MtrDrvDiag_Per1_FETFaultType	e_Cnt_enum	
target_Rte_Inst_Sa_MtrDrvDiag.MtrDrvDiag_Per1_GateDriveResetActive_Cnt_lgc	target_MtrDrvDiag_Per1_GateDriveRes	etActive_Cnt_lgc	
target_Rte_Inst_Sa_MtrDrvDiag.MtrDrvDiag_Per1_MtrDrvrInitComplete_Cnt_Igc	target_MtrDrvDiag_Per1_MtrDrvrInitCor	mplete_Cnt_lgc	
target_Rte_Inst_Sa_MtrDrvDiag.MtrDrvDiag_Per1_MtrDrvrInitStart_Cnt_Igc	target_MtrDrvDiag_Per1_MtrDrvrInitSta	rt_Cnt_lgc	
Name	Actual Value	Expected Value	Res
SVDiag_FETFaultPhase_Cnt_M_enum	1	1	
SVDiag_FETFaultType_Cnt_M_enum	1	1	
SVDiag_GateDriveFltAcc_Cnt_M_u16	50000	50000 ± 1	
SVDiag_GenGateDriveFltAcc_Cnt_M_u16	50	50 ± 1	
SVDiag_MtrDrvInitActive_Cnt_M_lgc	1	1	
SVDiag_MtrDrvInitComp_Cnt_M_lgc	0	0	
SVDiag_MtrDrvInitStartTime_mS_M_u32p0	344	344 ± 1	
SVDiag_OnStateFltAcc_Cnt_M_u16	5555	5555 ± 1	
SVDiag_ResetWaitLoop_Cnt_M_lgc	0	0	
target_MtrDrvDiag_Per1_FETFaultPhase_Cnt_enum.value	1	1	
target MtrDrvDiag Per1 FETFaultType Cnt enum.value	1	1	

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Name	Actual Value	Expected Value	Result
target_MtrDrvDiag_Per1_GateDriveResetActive_Cnt_lgc.value	0	0	~
target MtrDrvDiag Per1 MtrDrvrInitComplete Cnt Igc.value	0	0	✓

Test Step Call Trace				V
Actual Function	Count	Expected Function	Count	Result
Rte_Call_MtrDrvDiag_Per1_CP0_CheckpointReached	1	Rte_Call_MtrDrvDiag_Per1_CP0_CheckpointReached	1	~
Rte_Call_MtrDrvDiag_Per1_CP1_CheckpointReached	1	Rte_Call_MtrDrvDiag_Per1_CP1_CheckpointReached	1	•

Test Step 2.4 (Repeat Count = 1)				
Name	Input Value			
Rte_Call_Sa_MtrDrvDiag_FetFlt2Clk_OP_GET(signal)	target_Rte_Call_Sa_MtrDrvDiag_FetFlt2Clk_	OP_GET_signal		
Rte_Call_Sa_MtrDrvDiag_NxtrDiagMgr_GetNTCFailed(NTCFailed_Ptr_T_lgc)	target_Rte_Call_Sa_MtrDrvDiag_NxtrDiagMgr_GetNTCFailed_NTCFailed_Ptr_T_lgc			
Rte Call Sa MtrDrvDiag SystemTime DtrmnElapsedTime mS u16(ElapsedTime)	target_Rte_Call_Sa_MtrDrvDiag_SystemTime_DtrmnElapsedTime_mS_u16_ElapsedTime			
Rte_Call_Sa_MtrDrvDiag_SystemTime_DtrmnElapsedTime_uS_u16(ElapsedTime)	target_Rte_Call_Sa_MtrDrvDiag_SystemTim	e_DtrmnElapsedTime_uS_u16_ElapsedTime		
Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_mS_u32(CurrentTime)	target_Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_mS_u32_CurrentTime			
Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32(CurrentTime)	target_Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32_CurrentTime			
Rte_Inst_Sa_MtrDrvDiag	target_Rte_Inst_Sa_MtrDrvDiag			
SVDiag_FETFaultPhase_Cnt_M_enum	2			
SVDiag_FETFaultType_Cnt_M_enum	0			
SVDiag_GateDriveFltAcc_Cnt_M_u16	60000			
SVDiag_GenGateDriveFltAcc_Cnt_M_u16	60			
SVDiag_MtrDrvInitActive_Cnt_M_lgc	1			
SVDiag_MtrDrvInitComp_Cnt_M_lgc	1			
SVDiag_MtrDrvInitStartTime_mS_M_u32p0	6653			
SVDiag_OnStateFltAcc_Cnt_M_u16	6666			
SVDiag_ResetWaitLoop_Cnt_M_lgc	1			
k_GateDriveDiag_Cnt_str.Threshold	10000			
k_GateDriveDiag_Cnt_str.PStep	30000			
k_GateDriveDiag_Cnt_str.NStep	10000			
k_OnStateDiag_Cnt_str.Threshold	6666			
k_OnStateDiag_Cnt_str.PStep	16000			
k_OnStateDiag_Cnt_str.NStep	6000			
target_MtrDrvDiag_Per1_MtrDrvrInitStart_Cnt_Igc.value	1			
target_Rte_Call_Sa_MtrDrvDiag_FetFlt2Clk_OP_GET_signal	0			
target_Rte_Call_Sa_MtrDrvDiag_NxtrDiagMgr_GetNTCFailed_NTCFailed_Ptr_T_lg	1			
target Rte Call Sa MtrDrvDiag SystemTime DtrmnElapsedTime mS u16 Elapse	14000			
target Rte Call Sa MtrDrvDiag SystemTime DtrmnElapsedTime uS u16 Elapse	16100			
target Rte Call Sa MtrDrvDiag SystemTime GetSystemTime mS u32 CurrentTi	20000			
target Rte Call Sa MtrDrvDiag SystemTime GetSystemTime uS u32 CurrentTir	600000			
target Rte Inst Sa MtrDrvDiag.MtrDrvDiag Per1 FETFaultPhase Cnt enum	target MtrDrvDiag Per1 FETFaultPhase Cr	nt enum		
target Rte Inst Sa MtrDrvDiag.MtrDrvDiag Per1 FETFaultType Cnt enum	target MtrDrvDiag Per1 FETFaultType Cnt	_		
target_Rte_Inst_Sa_MtrDrvDiag.MtrDrvDiag_Per1_GateDriveResetActive_Cnt_lgc	target_MtrDrvDiag_Per1_GateDriveResetAct	_		
target Rte Inst Sa MtrDrvDiag.MtrDrvDiag Per1 MtrDrvrInitComplete Cnt Igc	target MtrDrvDiag Per1 MtrDrvrInitComplet			
target_Rte_Inst_Sa_MtrDrvDiag.MtrDrvDiag_Per1_MtrDrvrInitStart_Cnt_lgc	target_MtrDrvDiag_Per1_MtrDrvrInitStart_Cn			
Name	Actual Value	Expected Value	Resul	
SVDiag FETFaultPhase Cnt M enum	2	2	Resul	
SVDiag_FETFaultType Cnt M enum	0	0		
SVDiag GateDriveFltAcc Cnt M u16	60000	60000 ± 1		
SVDiag GenGateDriveFitAcc Cnt M u16	60	60 ± 1		
SVDiag_GenGateDriveriDacc_Cnt_M_u16 SVDiag_MtrDrvInitActive_Cnt_M_lgc	1	1		
SVDiag_MtrDrvInitActive_Cnt_M_gc SVDiag_MtrDrvInitComp_Cnt_M_lgc	1	1		
SVDiag_MtrDrvInitComp_Crit_m_igc SVDiag_MtrDrvInitStartTime_mS_M_u32p0	6653	6653 ± 1		
	6666	6666 ± 1		
SVDiag_OnStateFitAcc_Cnt_M_u16 SVDiag_ResetWaitLoop_Cat_M_lac	0	0		
SVDiag_ResetWaitLoop_Cnt_M_lgc	2	2		
target_MtrDrvDiag_Per1_FETFaultPhase_Cnt_enum.value	0			
target_MtrDrvDiag_Per1_FETFaultType_Cnt_enum.value		0		
target_MtrDrvDiag_Per1_GateDriveResetActive_Cnt_lgc.value	0	0		
arget MtrDrvDiag Per1 MtrDrvrInitComplete Cnt lgc.value	1	1	1	



Test Step Call Trace				V
Actual Function	Count	Expected Function	Count	Result
Rte_Call_MtrDrvDiag_Per1_CP0_CheckpointReached	1	Rte_Call_MtrDrvDiag_Per1_CP0_CheckpointReached	1	~
ResetGateDrive	1	ResetGateDrive	1	~
SuspendAllInterrupts	1	SuspendAllInterrupts	1	~
Rte_Call_Sa_MtrDrvDiag_FetDrvReset_OP_SET	1	Rte_Call_Sa_MtrDrvDiag_FetDrvReset_OP_SET	1	~
GateDrvWaitTime	1	GateDrvWaitTime	1	~
Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32	1	Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32	1	~
Rte_Call_Sa_MtrDrvDiag_SystemTime_DtrmnElapsedTime_uS_u16	1	Rte_Call_Sa_MtrDrvDiag_SystemTime_DtrmnElapsedTime_uS_u16	1	•
Rte_Call_Sa_MtrDrvDiag_FetDrvReset_OP_SET	1	Rte_Call_Sa_MtrDrvDiag_FetDrvReset_OP_SET	1	~
ResumeAllInterrupts	1	ResumeAllInterrupts	1	~
Rte_Call_MtrDrvDiag_Per1_CP1_CheckpointReached	1	Rte_Call_MtrDrvDiag_Per1_CP1_CheckpointReached	1	~

Test Step 2.5 (Repeat Count = 1) Name	Input Value		
	-	h OD OFT signal	
Rte_Call_Sa_MtrDrvDiag_FetFlt2Clk_OP_GET(signal)	target_Rte_Call_Sa_MtrDrvDiag_FetFlt2Cl		
Rte_Call_Sa_MtrDrvDiag_NxtrDiagMgr_GetNTCFailed(NTCFailed_Ptr_T_lgc)	target_Rte_Call_Sa_MtrDrvDiag_NxtrDiag		
Rte_Call_Sa_MtrDrvDiag_SystemTime_DtrmnElapsedTime_mS_u16(ElapsedTime)		me_DtrmnElapsedTime_mS_u16_Elaps	
Rte_Call_Sa_MtrDrvDiag_SystemTime_DtrmnElapsedTime_uS_u16(ElapsedTime)		me_DtrmnElapsedTime_uS_u16_ElapsedTime	е
Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_mS_u32(CurrentTime)		me_GetSystemTime_mS_u32_CurrentTime	
Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32(CurrentTime)		me_GetSystemTime_uS_u32_CurrentTime	
Rte_Inst_Sa_MtrDrvDiag	target_Rte_Inst_Sa_MtrDrvDiag		
SVDiag_FETFaultPhase_Cnt_M_enum	3		
SVDiag_FETFaultType_Cnt_M_enum	2		
GVDiag_GateDriveFltAcc_Cnt_M_u16	0		
SVDiag_GenGateDriveFltAcc_Cnt_M_u16	70		
SVDiag_MtrDrvInitActive_Cnt_M_lgc	0		
SVDiag_MtrDrvInitComp_Cnt_M_lgc	1		
SVDiag_MtrDrvInitStartTime_mS_M_u32p0	83462		
SVDiag_OnStateFltAcc_Cnt_M_u16	7777		
SVDiag_ResetWaitLoop_Cnt_M_lgc	0		
c_GateDriveDiag_Cnt_str.Threshold	15000		
c_GateDriveDiag_Cnt_str.PStep	35000		
C_GateDriveDiag_Cnt_str.NStep	20000		
COnStateDiag_Cnt_str.Threshold	7777		
C_OnStateDiag_Cnt_str.PStep	17000		
C_OnStateDiag_Cnt_str.NStep	7000		
arget_MtrDrvDiag_Per1_MtrDrvrInitStart_Cnt_lgc.value	1		
arget_Rte_Call_Sa_MtrDrvDiag_FetFlt2Clk_OP_GET_signal	1		
arget_Rte_Call_Sa_MtrDrvDiag_NxtrDiagMgr_GetNTCFailed_NTCFailed_Ptr_T_lg _t			
arget_Rte_Call_Sa_MtrDrvDiag_SystemTime_DtrmnElapsedTime_mS_u16_Elapse			
arget_Rte_Call_Sa_MtrDrvDiag_SystemTime_DtrmnElapsedTime_uS_u16_Elapse	17100		
arget_Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_mS_u32_CurrentTi	23000		
arget_Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32_CurrentTir	700000		
arget_Rte_Inst_Sa_MtrDrvDiag.MtrDrvDiag_Per1_FETFaultPhase_Cnt_enum	target_MtrDrvDiag_Per1_FETFaultPhase_0	Cnt_enum	
arget_Rte_Inst_Sa_MtrDrvDiag.MtrDrvDiag_Per1_FETFaultType_Cnt_enum	target_MtrDrvDiag_Per1_FETFaultType_C	nt_enum	
arget_Rte_Inst_Sa_MtrDrvDiag.MtrDrvDiag_Per1_GateDriveResetActive_Cnt_Igc	target_MtrDrvDiag_Per1_GateDriveResetA	active_Cnt_lgc	
arget_Rte_Inst_Sa_MtrDrvDiag.MtrDrvDiag_Per1_MtrDrvrInitComplete_Cnt_Igc	target_MtrDrvDiag_Per1_MtrDrvrInitComple	ete_Cnt_lgc	
arget_Rte_Inst_Sa_MtrDrvDiag.MtrDrvDiag_Per1_MtrDrvrInitStart_Cnt_Igc	target_MtrDrvDiag_Per1_MtrDrvrInitStart_0	Cnt_lgc	
Name	Actual Value	Expected Value	Res
SVDiag_FETFaultPhase_Cnt_M_enum	3	3	
SVDiag_FETFaultType_Cnt_M_enum	2	2	
SVDiag_GateDriveFltAcc_Cnt_M_u16	15000	15000 ± 1	
SVDiag_GenGateDriveFltAcc_Cnt_M_u16	70	70 ± 1	
SVDiag_MtrDrvInitActive_Cnt_M_lgc	0	0	\top
SVDiag MtrDrvInitComp Cnt M Igc	1	1	
SVDiag_MtrDrvInitStartTime_mS_M_u32p0	83462	83462 ± 1	
SVDiag OnStateFltAcc Cnt M u16	7777	7777 ± 1	
SVDiag_ResetWaitLoop_Cnt_M_lgc	0	0	
arget_MtrDrvDiag_Per1_FETFaultPhase_Cnt_enum.value	3	3	
arget MtrDrvDiag Per1 FETFaultType Cnt enum.value	2	2	
arget_MtrDrvDiag_Per1_GateDriveResetActive_Cnt_lgc.value	1	1	
arget_MtrDrvDiag_Per1_StateSrivettesecretive_Gri_ge.value	1	1	
NTC	0x4C	0x4C	
Param	0x4C	0x01	
	0.00	0.00	

MtrDrvDiag_Per1

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Actual Function	Count	Expected Function	Count	Result
Rte_Call_MtrDrvDiag_Per1_CP0_CheckpointReached	1	Rte_Call_MtrDrvDiag_Per1_CP0_CheckpointReached	1	~
Rte_Call_Sa_MtrDrvDiag_FetFlt1Data_OP_GET	1	Rte_Call_Sa_MtrDrvDiag_FetFlt1Data_OP_GET	1	~
Rte_Call_Sa_MtrDrvDiag_FetFlt2Clk_OP_GET	1	Rte_Call_Sa_MtrDrvDiag_FetFlt2Clk_OP_GET	1	~
Rte_Call_Sa_MtrDrvDiag_NxtrDiagMgr_SetNTCStatus	1	Rte_Call_Sa_MtrDrvDiag_NxtrDiagMgr_SetNTCStatus	1	~
ProcGateDriveFlt	1	ProcGateDriveFlt	1	~
Rte_Call_Sa_MtrDrvDiag_NxtrDiagMgr_SetNTCStatus	1	Rte_Call_Sa_MtrDrvDiag_NxtrDiagMgr_SetNTCStatus	1	~
ReadMtrDrvFltData	1	ReadMtrDrvFltData	1	~
Rte_Call_Sa_MtrDrvDiag_IoHwAbPortConfig_SetFetFlt2ToOutput	1	Rte_Call_Sa_MtrDrvDiag_IoHwAbPortConfig_SetFetFlt2ToOutput	1	~
Rte_Call_Sa_MtrDrvDiag_FetFlt2Clk_OP_SET	1	Rte_Call_Sa_MtrDrvDiag_FetFlt2Clk_OP_SET	1	~
GateDrvWaitTime	1	GateDrvWaitTime	1	~
Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32	1	Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32	1	~
Rte_Call_Sa_MtrDrvDiag_SystemTime_DtrmnElapsedTime_uS_u16	1	Rte_Call_Sa_MtrDrvDiag_SystemTime_DtrmnElapsedTime_uS_u16	1	✓
Rte_Call_Sa_MtrDrvDiag_FetFlt1Data_OP_GET	1	Rte_Call_Sa_MtrDrvDiag_FetFlt1Data_OP_GET	1	-
Rte_Call_Sa_MtrDrvDiag_FetFlt2Clk_OP_SET	1	Rte_Call_Sa_MtrDrvDiag_FetFlt2Clk_OP_SET	1	~
GateDrvWaitTime	1	GateDrvWaitTime	1	~
Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32	1	Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32	1	~
Rte_Call_Sa_MtrDrvDiag_SystemTime_DtrmnElapsedTime_uS_u16	1	Rte_Call_Sa_MtrDrvDiag_SystemTime_DtrmnElapsedTime_uS_u16	1	~
Rte_Call_Sa_MtrDrvDiag_FetFlt2Clk_OP_SET	1	Rte_Call_Sa_MtrDrvDiag_FetFlt2Clk_OP_SET	1	~
GateDrvWaitTime	1	GateDrvWaitTime	1	_
Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32	1	Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32	1	~
Rte_Call_Sa_MtrDrvDiag_SystemTime_DtrmnElapsedTime_uS_u16	1	Rte_Call_Sa_MtrDrvDiag_SystemTime_DtrmnElapsedTime_uS_u16	1	_
Rte Call Sa MtrDrvDiag FetFlt1Data OP GET	1	Rte_Call_Sa_MtrDrvDiag_FetFlt1Data_OP_GET	1	•
Rte_Call_Sa_MtrDrvDiag_FetFlt2Clk_OP_SET	1	Rte_Call_Sa_MtrDrvDiag_FetFlt2Clk_OP_SET	1	
GateDrvWaitTime	1	GateDryWaitTime	1	~
	1		1	
Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32 Rte_Call_Sa_MtrDrvDiag_SystemTime_DtrmnElapsedTime_uS_u16	1	Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32	1	~
		Rte_Call_Sa_MtrDrvDiag_SystemTime_DtrmnElapsedTime_uS_u16		
Rte_Call_Sa_MtrDrvDiag_FetFlt2Clk_OP_SET	1	Rte_Call_Sa_MtrDrvDiag_FetFlt2Clk_OP_SET	1	
GateDrvWaitTime	1	GateDrvWaitTime		V
Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32	1	Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32	1	· ·
Rte_Call_Sa_MtrDrvDiag_SystemTime_DtrmnElapsedTime_uS_u16	1	Rte_Call_Sa_MtrDrvDiag_SystemTime_DtrmnElapsedTime_uS_u16	1	V
Rte_Call_Sa_MtrDrvDiag_FetFlt1Data_OP_GET	1	Rte_Call_Sa_MtrDrvDiag_FetFlt1Data_OP_GET	1	~
Rte_Call_Sa_MtrDrvDiag_FetFlt2Clk_OP_SET	1	Rte_Call_Sa_MtrDrvDiag_FetFlt2Clk_OP_SET	1	~
GateDrvWaitTime	1	GateDrvWaitTime	1	~
Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32	1	Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32	1	~
Rte_Call_Sa_MtrDrvDiag_SystemTime_DtrmnElapsedTime_uS_u16	1	Rte_Call_Sa_MtrDrvDiag_SystemTime_DtrmnElapsedTime_uS_u16	1	~
Rte_Call_Sa_MtrDrvDiag_FetFlt2Clk_OP_SET	1	Rte_Call_Sa_MtrDrvDiag_FetFlt2Clk_OP_SET	1	~
GateDrvWaitTime	1	GateDrvWaitTime	1	~
Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32	1	Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32	1	~
Rte_Call_Sa_MtrDrvDiag_SystemTime_DtrmnElapsedTime_uS_u16	1	Rte_Call_Sa_MtrDrvDiag_SystemTime_DtrmnElapsedTime_uS_u16	1	~
Rte_Call_Sa_MtrDrvDiag_FetFlt1Data_OP_GET	1	Rte_Call_Sa_MtrDrvDiag_FetFlt1Data_OP_GET	1	✓
Rte_Call_Sa_MtrDrvDiag_FetFlt2Clk_OP_SET	1	Rte_Call_Sa_MtrDrvDiag_FetFlt2Clk_OP_SET	1	~
GateDrvWaitTime	1	GateDrvWaitTime	1	~
Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32	1	Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32	1	~
Rte_Call_Sa_MtrDrvDiag_SystemTime_DtrmnElapsedTime_uS_u16	1	Rte_Call_Sa_MtrDrvDiag_SystemTime_DtrmnElapsedTime_uS_u16	1	~
Rte_Call_Sa_MtrDrvDiag_FetFlt2Clk_OP_SET	1	Rte Call Sa MtrDrvDiag FetFlt2Clk OP SET	1	~
GateDrvWaitTime	1	GateDrvWaitTime	1	~
Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32	1	Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32	1	_
Rte_Call_Sa_MtrDrvDiag_SystemTime_DtrmnElapsedTime_uS_u16	1	Rte Call Sa MtrDrvDiag SystemTime DtrmnElapsedTime uS u16	1	~
Rte Call Sa MtrDrvDiag FetFlt1Data OP GET	1	Rte_Call_Sa_MtrDrvDiag_FetFlt1Data_OP_GET	1	-
Rte Call Sa MtrDrvDiag FetFlt2Clk OP SET	1	Rte Call Sa MtrDrvDiag FetFlt2Clk OP SET	1	~
GateDrvWaitTime	1	GateDrvWaitTime	1	
Rte Call Sa MtrDrvDiag SystemTime GetSystemTime uS u32	1	Rte Call Sa MtrDrvDiag SystemTime GetSystemTime uS u32	1	~
Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_us2 Rte_Call_Sa_MtrDrvDiag_SystemTime_DtrmnElapsedTime_uS_u16	1	Rte_Call_Sa_MtrDrvDiag_SystemTime_GetsystemTime_us_us2 Rte_Call_Sa_MtrDrvDiag_SystemTime_DtrmnElapsedTime_us_u16	1	,
Rte Call Sa MtrDrvDiag FetFlt2Clk OP SET	1	Rte Call Sa MtrDrvDiag FetFlt2Clk OP SET		~
			1	
GateDrvWaitTime	1	GateDrvWaitTime	1	•
Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32	1	Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32	1	V
Rte_Call_Sa_MtrDrvDiag_SystemTime_DtrmnElapsedTime_uS_u16	1	Rte_Call_Sa_MtrDrvDiag_SystemTime_DtrmnElapsedTime_uS_u16	1	~
Rte_Call_Sa_MtrDrvDiag_FetFlt1Data_OP_GET	1	Rte_Call_Sa_MtrDrvDiag_FetFlt1Data_OP_GET	1	~
Rte_Call_Sa_MtrDrvDiag_FetFlt2Clk_OP_SET	1	Rte_Call_Sa_MtrDrvDiag_FetFlt2Clk_OP_SET	1	~
GateDrvWaitTime	1	GateDrvWaitTime	1	~
Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32	1	Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32	1	~
Rte_Call_Sa_MtrDrvDiag_SystemTime_DtrmnElapsedTime_uS_u16	1	Rte_Call_Sa_MtrDrvDiag_SystemTime_DtrmnElapsedTime_uS_u16	1	~
Rte_Call_Sa_MtrDrvDiag_FetFlt2Clk_OP_SET	1	Rte_Call_Sa_MtrDrvDiag_FetFlt2Clk_OP_SET	1	~
GateDrvWaitTime	1	GateDrvWaitTime	1	~
Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32	1	Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32	1	~
Rte_Call_Sa_MtrDrvDiag_SystemTime_DtrmnElapsedTime_uS_u16	1	Rte_Call_Sa_MtrDrvDiag_SystemTime_DtrmnElapsedTime_uS_u16	1	•
Rte_Call_Sa_MtrDrvDiag_FetFlt1Data_OP_GET	1	Rte_Call_Sa_MtrDrvDiag_FetFlt1Data_OP_GET	1	~
Rte_Call_Sa_MtrDrvDiag_FetFlt2Clk_OP_SET	1	Rte_Call_Sa_MtrDrvDiag_FetFlt2Clk_OP_SET	1	~
GateDrvWaitTime	1	GateDrvWaitTime	1	-
Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32	1	Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32	1	V
Rte_Call_Sa_MtrDrvDiag_SystemTime_DtrmnElapsedTime_uS_u16	1	Rte_Call_Sa_MtrDrvDiag_SystemTime_DtrmnElapsedTime_uS_u16	1	-
Rte_Call_Sa_MtrDrvDiag_FetFlt2Clk_OP_SET	1	Rte_Call_Sa_MtrDrvDiag_FetFlt2Clk_OP_SET	1	~
TAO_Gan_Ga_WittDtVDtag_tGtt ttzGtt_OF_GLT		The our our wild white our or our or our		_
GateDrvWaitTime	1	GateDrvWaitTime	1	✓

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Actual Function	Count	Expected Function	Count	Result
Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32	1	Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32	1	•
Rte_Call_Sa_MtrDrvDiag_SystemTime_DtrmnElapsedTime_uS_u16	1	Rte_Call_Sa_MtrDrvDiag_SystemTime_DtrmnElapsedTime_uS_u16	1	~
Rte_Call_Sa_MtrDrvDiag_FetFlt1Data_OP_GET	1	Rte_Call_Sa_MtrDrvDiag_FetFlt1Data_OP_GET	1	~
Rte_Call_Sa_MtrDrvDiag_FetFlt2Clk_OP_SET	1	Rte_Call_Sa_MtrDrvDiag_FetFlt2Clk_OP_SET	1	~
GateDrvWaitTime	1	GateDrvWaitTime	1	~
Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32	1	Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32	1	~
Rte_Call_Sa_MtrDrvDiag_SystemTime_DtrmnElapsedTime_uS_u16	1	Rte_Call_Sa_MtrDrvDiag_SystemTime_DtrmnElapsedTime_uS_u16	1	~
Rte_Call_Sa_MtrDrvDiag_FetFlt2Clk_OP_SET	1	Rte_Call_Sa_MtrDrvDiag_FetFlt2Clk_OP_SET	1	~
GateDrvWaitTime	1	GateDrvWaitTime	1	~
Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32	1	Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32	1	~
Rte_Call_Sa_MtrDrvDiag_SystemTime_DtrmnElapsedTime_uS_u16	1	Rte_Call_Sa_MtrDrvDiag_SystemTime_DtrmnElapsedTime_uS_u16	1	~
Rte_Call_Sa_MtrDrvDiag_FetFlt1Data_OP_GET	1	Rte_Call_Sa_MtrDrvDiag_FetFlt1Data_OP_GET	1	~
Rte_Call_Sa_MtrDrvDiag_FetFlt2Clk_OP_SET	1	Rte_Call_Sa_MtrDrvDiag_FetFlt2Clk_OP_SET	1	~
GateDrvWaitTime	1	GateDrvWaitTime	1	~
Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32	1	Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32	1	~
Rte_Call_Sa_MtrDrvDiag_SystemTime_DtrmnElapsedTime_uS_u16	1	Rte_Call_Sa_MtrDrvDiag_SystemTime_DtrmnElapsedTime_uS_u16	1	~
Rte_Call_Sa_MtrDrvDiag_FetFlt2Clk_OP_SET	1	Rte_Call_Sa_MtrDrvDiag_FetFlt2Clk_OP_SET	1	~
GateDrvWaitTime	1	GateDrvWaitTime	1	~
Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32	1	Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32	1	~
Rte_Call_Sa_MtrDrvDiag_SystemTime_DtrmnElapsedTime_uS_u16	1	Rte_Call_Sa_MtrDrvDiag_SystemTime_DtrmnElapsedTime_uS_u16	1	~
Rte_Call_Sa_MtrDrvDiag_FetFlt1Data_OP_GET	1	Rte_Call_Sa_MtrDrvDiag_FetFlt1Data_OP_GET	1	~
Rte_Call_Sa_MtrDrvDiag_FetFlt2Clk_OP_SET	1	Rte_Call_Sa_MtrDrvDiag_FetFlt2Clk_OP_SET	1	~
GateDrvWaitTime	1	GateDrvWaitTime	1	~
Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32	1	Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32	1	~
Rte_Call_Sa_MtrDrvDiag_SystemTime_DtrmnElapsedTime_uS_u16	1	Rte_Call_Sa_MtrDrvDiag_SystemTime_DtrmnElapsedTime_uS_u16	1	~
Rte_Call_Sa_MtrDrvDiag_loHwAbPortConfig_SetFetFlt2ToOutput	1	Rte_Call_Sa_MtrDrvDiag_loHwAbPortConfig_SetFetFlt2ToOutput	1	~
ResetGateDrive	1	ResetGateDrive	1	~
SuspendAllInterrupts	1	SuspendAllInterrupts	1	~
Rte_Call_Sa_MtrDrvDiag_FetDrvReset_OP_SET	1	Rte_Call_Sa_MtrDrvDiag_FetDrvReset_OP_SET	1	~
GateDrvWaitTime	1	GateDrvWaitTime	1	~
Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32	1	Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32	1	~
Rte_Call_Sa_MtrDrvDiag_SystemTime_DtrmnElapsedTime_uS_u16	1	Rte_Call_Sa_MtrDrvDiag_SystemTime_DtrmnElapsedTime_uS_u16	1	~
Rte_Call_Sa_MtrDrvDiag_FetDrvReset_OP_SET	1	Rte_Call_Sa_MtrDrvDiag_FetDrvReset_OP_SET	1	~
ResumeAllInterrupts	1	ResumeAllInterrupts	1	~
Rte_Call_MtrDrvDiag_Per1_CP1_CheckpointReached	1	Rte_Call_MtrDrvDiag_Per1_CP1_CheckpointReached	1	~

Test Step 2.6 (Repeat Count = 1)			
Name	Input Value		
Rte_Call_Sa_MtrDrvDiag_FetFlt2Clk_OP_GET(signal)	target_Rte_Call_Sa_MtrDrvDiag_FetFlt2Clk_OP_GET_signal		
Rte_Call_Sa_MtrDrvDiag_NxtrDiagMgr_GetNTCFailed(NTCFailed_Ptr_T_lgc)	target_Rte_Call_Sa_MtrDrvDiag_NxtrDiagMgr_GetNTCFailed_NTCFailed_Ptr_T_lgc		
Rte_Call_Sa_MtrDrvDiag_SystemTime_DtrmnElapsedTime_mS_u16(ElapsedTime)	target_Rte_Call_Sa_MtrDrvDiag_SystemTime_DtrmnElapsedTime_mS_u16_ElapsedTime		
Rte_Call_Sa_MtrDrvDiag_SystemTime_DtrmnElapsedTime_uS_u16(ElapsedTime)	target_Rte_Call_Sa_MtrDrvDiag_SystemTime_DtrmnElapsedTime_uS_u16_ElapsedTime		
Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_mS_u32(CurrentTime)	target_Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_mS_u32_CurrentTime		
Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32(CurrentTime)	target_Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32_CurrentTime		
Rte_Inst_Sa_MtrDrvDiag	target_Rte_Inst_Sa_MtrDrvDiag		
SVDiag_FETFaultPhase_Cnt_M_enum	0		
SVDiag_FETFaultType_Cnt_M_enum	1		
SVDiag_GateDriveFltAcc_Cnt_M_u16	65535		
SVDiag_GenGateDriveFltAcc_Cnt_M_u16	80		
SVDiag_MtrDrvInitActive_Cnt_M_lgc	1		
SVDiag_MtrDrvInitComp_Cnt_M_lgc	1		
SVDiag_MtrDrvInitStartTime_mS_M_u32p0	1233		
SVDiag_OnStateFltAcc_Cnt_M_u16	8888		
SVDiag_ResetWaitLoop_Cnt_M_lgc	0		
k_GateDriveDiag_Cnt_str.Threshold	20000		
k_GateDriveDiag_Cnt_str.PStep	40000		
k_GateDriveDiag_Cnt_str.NStep	30000		
k_OnStateDiag_Cnt_str.Threshold	8888		
k_OnStateDiag_Cnt_str.PStep	18000		
k_OnStateDiag_Cnt_str.NStep	8000		
target_MtrDrvDiag_Per1_MtrDrvrInitStart_Cnt_lgc.value	0		
target_Rte_Call_Sa_MtrDrvDiag_FetFlt2Clk_OP_GET_signal	0		
$target_Rte_Call_Sa_MtrDrvDiag_NxtrDiagMgr_GetNTCFailed_NTCFailed_Ptr_T_lgrame and target_Rte_Call_Sa_MtrDrvDiag_NxtrDiagMgr_GetNTCFailed_NTCFailed_Ptr_T_lgrame and target_Rte_Call_Sa_MtrDrvDiag_NxtrDiagNgr_GetNTCFailed_NxtrDiagNgr_GetNTCFAiled_NxtrDiagNgr_GetNTCFAiled_NxtrDiagNgr_GetNTCFAiled_NxtrDiagNgr_GetNTCFAiled_NxtrDiagNgr_GetNTCFAiled_N$	0		
$target_Rte_Call_Sa_MtrDrvDiag_SystemTime_DtrmnElapsedTime_mS_u16_ElapsedTime_mSu16$	20000		
$target_Rte_Call_Sa_MtrDrvDiag_SystemTime_DtrmnElapsedTime_uS_u16_Ela$	18100		
$target_Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_mS_u32_CurrentTime_ms_u32_CurrentTime_ms_u32_CurrentTime_ms_u32_CurrentTime_ms_u32_CurrentTime_ms_u32_CurrentTime_ms_u32_CurrentTime_ms_u32_CurrentTime_ms_u32_CurrentTime_ms_u32_CurrentTime_ms_u33_Curren$	26000		
$target_Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32_CurrentTire_ususususususususususususususususususus$	800000		
target_Rte_Inst_Sa_MtrDrvDiag.MtrDrvDiag_Per1_FETFaultPhase_Cnt_enum	target_MtrDrvDiag_Per1_FETFaultPhase_Cnt_enum		
target_Rte_Inst_Sa_MtrDrvDiag.MtrDrvDiag_Per1_FETFaultType_Cnt_enum	target_MtrDrvDiag_Per1_FETFaultType_Cnt_enum		
target_Rte_Inst_Sa_MtrDrvDiag.MtrDrvDiag_Per1_GateDriveResetActive_Cnt_lgc	target_MtrDrvDiag_Per1_GateDriveResetActive_Cnt_lgc		





Name	Input Value		
target_Rte_Inst_Sa_MtrDrvDiag.MtrDrvDiag_Per1_MtrDrvrInitComplete_Cnt_lgc	target_MtrDrvDiag_Per1_MtrDrvrInitComplet	e_Cnt_lgc	
target_Rte_Inst_Sa_MtrDrvDiag.MtrDrvDiag_Per1_MtrDrvrInitStart_Cnt_Igc	target_MtrDrvDiag_Per1_MtrDrvrInitStart_Cr	nt_lgc	
Name	Actual Value	Expected Value	Result
SVDiag_FETFaultPhase_Cnt_M_enum	0	0	~
SVDiag_FETFaultType_Cnt_M_enum	1	1	~
SVDiag_GateDriveFltAcc_Cnt_M_u16	20000	20000 ± 1	~
SVDiag_GenGateDriveFltAcc_Cnt_M_u16	80	80 ± 1	~
SVDiag_MtrDrvInitActive_Cnt_M_lgc	1	1	~
SVDiag_MtrDrvInitComp_Cnt_M_lgc	1	1	~
SVDiag_MtrDrvInitStartTime_mS_M_u32p0	1233	1233 ± 1	~
SVDiag_OnStateFltAcc_Cnt_M_u16	8888	8888 ± 1	~
SVDiag_ResetWaitLoop_Cnt_M_lgc	0	0	~
target_MtrDrvDiag_Per1_FETFaultPhase_Cnt_enum.value	0	0	~
target_MtrDrvDiag_Per1_FETFaultType_Cnt_enum.value	1	1	~
target_MtrDrvDiag_Per1_GateDriveResetActive_Cnt_lgc.value	1	1	~
target_MtrDrvDiag_Per1_MtrDrvrInitComplete_Cnt_lgc.value	1	1	~
NTC	0x4C	0x4C	~
Param	0x01	0x01	~
Status	0x01	0x01	~

Test Step Call Trace				✓
Actual Function	Count	Expected Function	Count	Result
Rte_Call_MtrDrvDiag_Per1_CP0_CheckpointReached	1	Rte_Call_MtrDrvDiag_Per1_CP0_CheckpointReached	1	~
Rte_Call_Sa_MtrDrvDiag_FetFlt1Data_OP_GET	1	Rte_Call_Sa_MtrDrvDiag_FetFlt1Data_OP_GET	1	✓
Rte_Call_Sa_MtrDrvDiag_FetFlt2Clk_OP_GET	1	Rte_Call_Sa_MtrDrvDiag_FetFlt2Clk_OP_GET	1	~
Rte_Call_Sa_MtrDrvDiag_NxtrDiagMgr_SetNTCStatus	1	Rte_Call_Sa_MtrDrvDiag_NxtrDiagMgr_SetNTCStatus	1	✓
ProcGateDriveFlt	1	ProcGateDriveFlt	1	~
Rte_Call_Sa_MtrDrvDiag_NxtrDiagMgr_SetNTCStatus	1	Rte_Call_Sa_MtrDrvDiag_NxtrDiagMgr_SetNTCStatus	1	✓
ResetGateDrive	1	ResetGateDrive	1	~
SuspendAllInterrupts	1	SuspendAllInterrupts	1	~
Rte_Call_Sa_MtrDrvDiag_FetDrvReset_OP_SET	1	Rte_Call_Sa_MtrDrvDiag_FetDrvReset_OP_SET	1	~
GateDrvWaitTime	1	GateDrvWaitTime	1	✓
Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32	1	Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32	1	~
Rte_Call_Sa_MtrDrvDiag_SystemTime_DtrmnElapsedTime_uS_u16	1	Rte_Call_Sa_MtrDrvDiag_SystemTime_DtrmnElapsedTime_uS_u16	1	~
Rte_Call_Sa_MtrDrvDiag_FetDrvReset_OP_SET	1	Rte_Call_Sa_MtrDrvDiag_FetDrvReset_OP_SET	1	~
ResumeAllInterrupts	1	ResumeAllInterrupts	1	~
Rte_Call_MtrDrvDiag_Per1_CP1_CheckpointReached	1	Rte_Call_MtrDrvDiag_Per1_CP1_CheckpointReached	1	~

Test Step 2.7 (Repeat Count = 1)	✓
Name	Input Value
Rte_Call_Sa_MtrDrvDiag_FetFlt2Clk_OP_GET(signal)	target_Rte_Call_Sa_MtrDrvDiag_FetFlt2Clk_OP_GET_signal
Rte_Call_Sa_MtrDrvDiag_NxtrDiagMgr_GetNTCFailed(NTCFailed_Ptr_T_lgc)	target_Rte_Call_Sa_MtrDrvDiag_NxtrDiagMgr_GetNTCFailed_NTCFailed_Ptr_T_lgc
Rte_Call_Sa_MtrDrvDiag_SystemTime_DtrmnElapsedTime_mS_u16(ElapsedTime)	target_Rte_Call_Sa_MtrDrvDiag_SystemTime_DtrmnElapsedTime_mS_u16_ElapsedTime
$Rte_Call_Sa_MtrDrvDiag_SystemTime_DtrmnElapsedTime_uS_u16(ElapsedTime)$	target_Rte_Call_Sa_MtrDrvDiag_SystemTime_DtrmnElapsedTime_uS_u16_ElapsedTime
Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_mS_u32(CurrentTime)	target_Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_mS_u32_CurrentTime
Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32(CurrentTime)	target_Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32_CurrentTime
Rte_Inst_Sa_MtrDrvDiag	target_Rte_Inst_Sa_MtrDrvDiag
SVDiag_FETFaultPhase_Cnt_M_enum	1
SVDiag_FETFaultType_Cnt_M_enum	1
SVDiag_GateDriveFltAcc_Cnt_M_u16	3000
SVDiag_GenGateDriveFltAcc_Cnt_M_u16	90
SVDiag_MtrDrvInitActive_Cnt_M_lgc	0
SVDiag_MtrDrvInitComp_Cnt_M_lgc	1
SVDiag_MtrDrvInitStartTime_mS_M_u32p0	832
SVDiag_OnStateFltAcc_Cnt_M_u16	9999
SVDiag_ResetWaitLoop_Cnt_M_lgc	0
k_GateDriveDiag_Cnt_str.Threshold	25000
k_GateDriveDiag_Cnt_str.PStep	45000
k_GateDriveDiag_Cnt_str.NStep	40000
k_OnStateDiag_Cnt_str.Threshold	9999
k_OnStateDiag_Cnt_str.PStep	19000
k_OnStateDiag_Cnt_str.NStep	9000
target_MtrDrvDiag_Per1_MtrDrvrInitStart_Cnt_lgc.value	0
target_Rte_Call_Sa_MtrDrvDiag_FetFlt2Clk_OP_GET_signal	1
$target_Rte_Call_Sa_MtrDrvDiag_NxtrDiagMgr_GetNTCFailed_NTCFailed_Ptr_T_lgrame and target_Rte_Call_Sa_MtrDrvDiag_NxtrDiagMgr_GetNTCFailed_NTCFailed_Ptr_T_lgrame and target_Rte_Call_Sa_MtrDrvDiag_NxtrDiagMgr_GetNTCFailed_NxtrDiag$	0
$target_Rte_Call_Sa_MtrDrvDiag_SystemTime_DtrmnElapsedTime_mS_u16_ElapsetElaps$	23000
$target_Rte_Call_Sa_MtrDrvDiag_SystemTime_DtrmnElapsedTime_uS_u16_Elapse$	19100
target Rte Call Sa MtrDrvDiag SystemTime GetSystemTime mS u32 CurrentTi	100000000
$target_Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32_CurrentTiresum_{A} = 0.0000000000000000000000000000000000$	900000
target_Rte_Inst_Sa_MtrDrvDiag.MtrDrvDiag_Per1_FETFaultPhase_Cnt_enum	target_MtrDrvDiag_Per1_FETFaultPhase_Cnt_enum

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Name	Input Value			
target_Rte_Inst_Sa_MtrDrvDiag.MtrDrvDiag_Per1_FETFaultType_Cnt_enum	target_MtrDrvDiag_Per1_FETFaultType_Cnt	_enum		
$target_Rte_Inst_Sa_MtrDrvDiag.MtrDrvDiag_Per1_GateDriveResetActive_Cnt_lgc$	target_MtrDrvDiag_Per1_GateDriveResetAc	arget_MtrDrvDiag_Per1_GateDriveResetActive_Cnt_lgc		
target_Rte_Inst_Sa_MtrDrvDiag.MtrDrvDiag_Per1_MtrDrvrInitComplete_Cnt_Igc	target_MtrDrvDiag_Per1_MtrDrvrInitComplet	e_Cnt_lgc		
target_Rte_Inst_Sa_MtrDrvDiag.MtrDrvDiag_Per1_MtrDrvrInitStart_Cnt_lgc	target_MtrDrvDiag_Per1_MtrDrvrInitStart_Cr	nt_lgc		
Name	Actual Value	Expected Value	Result	
SVDiag_FETFaultPhase_Cnt_M_enum	3	3	~	
SVDiag_FETFaultType_Cnt_M_enum	2	2	•	
SVDiag_GateDriveFltAcc_Cnt_M_u16	3000	3000 ± 1	•	
SVDiag_GenGateDriveFltAcc_Cnt_M_u16	90	90 ± 1	•	
SVDiag_MtrDrvInitActive_Cnt_M_lgc	0	0	~	
SVDiag_MtrDrvInitComp_Cnt_M_lgc	1	1	•	
SVDiag_MtrDrvInitStartTime_mS_M_u32p0	832	832 ± 1	~	
SVDiag_OnStateFltAcc_Cnt_M_u16	9999	9999 ± 1	~	
SVDiag_ResetWaitLoop_Cnt_M_lgc	0	0	~	
target_MtrDrvDiag_Per1_FETFaultPhase_Cnt_enum.value	3	3	•	
target_MtrDrvDiag_Per1_FETFaultType_Cnt_enum.value	2	2	~	
target_MtrDrvDiag_Per1_GateDriveResetActive_Cnt_lgc.value	1	1	•	
target_MtrDrvDiag_Per1_MtrDrvrInitComplete_Cnt_lgc.value	1	1	~	
NTC	0x4C	0x4C	~	
Param	0x01	0x01	~	
Status	0x01	0x01	~	

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Test Step Call Trace

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tte_Call_MtrDrvDiag_Per1_CP0_CheckpointReached tte_Call_Sa_MtrDrvDiag_FetFlt1Data_OP_GET tte_Call_Sa_MtrDrvDiag_FetFlt2Clk_OP_GET tte_Call_Sa_MtrDrvDiag_NxtrDiagMgr_SetNTCStatus rocBridgeFit tte_Call_Sa_MtrDrvDiag_NxtrDiagMgr_GetNTCFailed tte_Call_Sa_MtrDrvDiag_IoHwAbPortConfig_SetFetFlt2ToOutput tte_Call_Sa_MtrDrvDiag_FetFlt2Clk_OP_SET taleDrvWaitTime tte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32 tte_Call_Sa_MtrDrvDiag_SystemTime_DtrmnElapsedTime_uS_u16 tte_Call_Sa_MtrDrvDiag_FetFlt1Data_OP_GET tte_Call_Sa_MtrDrvDiag_FetFlt2Clk_OP_SET atteDrvWaitTime	1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	Rte_Call_MtrDrvDiag_Per1_CP0_CheckpointReached Rte_Call_Sa_MtrDrvDiag_FetFlt1Data_OP_GET Rte_Call_Sa_MtrDrvDiag_FetFlt2Clk_OP_GET Rte_Call_Sa_MtrDrvDiag_NxtrDiagMgr_SetNTCStatus ProcBridgeFlt Rte_Call_Sa_MtrDrvDiag_NxtrDiagMgr_GetNTCFailed ReadMtrDrvFltData Rte_Call_Sa_MtrDrvDiag_IOHwAbPortConfig_SetFetFlt2ToOutput Rte_Call_Sa_MtrDrvDiag_FetFlt2Clk_OP_SET GateDrvWaitTime	1 1 1 1 1	\ \ \
tte_Call_Sa_MtrDrvDiag_FetFlt2Clk_OP_GET tte_Call_Sa_MtrDrvDiag_NxtrDiagMgr_SetNTCStatus rocBridgeFlt tte_Call_Sa_MtrDrvDiag_NxtrDiagMgr_GetNTCFailed tte_Call_Sa_MtrDrvDiag_IoHwAbPortConfig_SetFetFlt2ToOutput tte_Call_Sa_MtrDrvDiag_FetFlt2Clk_OP_SET tateDrvWaitTime tte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32 tte_Call_Sa_MtrDrvDiag_SystemTime_DtrmnElapsedTime_uS_u16 tte_Call_Sa_MtrDrvDiag_FetFlt1Data_OP_GET tte_Call_Sa_MtrDrvDiag_FetFlt1Data_OP_GET tte_Call_Sa_MtrDrvDiag_FetFlt1Clk_OP_SET tateDrvWaitTime	1 1 1 1 1 1 1 1 1	Rte_Call_Sa_MtrDrvDiag_FetFlt2Clk_OP_GET Rte_Call_Sa_MtrDrvDiag_NxtrDiagMgr_SetNTCStatus ProcBridgeFlt Rte_Call_Sa_MtrDrvDiag_NxtrDiagMgr_GetNTCFailed ReadMtrDrvFltData Rte_Call_Sa_MtrDrvDiag_loHwAbPortConfig_SetFetFlt2ToOutput Rte_Call_Sa_MtrDrvDiag_FetFlt2Clk_OP_SET	1 1 1	~
tte_Call_Sa_MtrDrvDiag_NxtrDiagMgr_SetNTCStatus rocBridgeFit tte_Call_Sa_MtrDrvDiag_NxtrDiagMgr_GetNTCFailed tte_Call_Sa_MtrDrvDiag_IoHwAbPortConfig_SetFetFlt2ToOutput tte_Call_Sa_MtrDrvDiag_FetFlt2Clk_OP_SET tateDrvWaitTime tte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32 tte_Call_Sa_MtrDrvDiag_SystemTime_DtrmnElapsedTime_uS_u16 tte_Call_Sa_MtrDrvDiag_FetFlt1Data_OP_GET tte_Call_Sa_MtrDrvDiag_FetFlt1Clk_OP_SET tateDrvWaitTime	1 1 1 1 1 1 1 1	Rte_Call_Sa_MtrDrvDiag_NxtrDiagMgr_SetNTCStatus ProcBridgeFlt Rte_Call_Sa_MtrDrvDiag_NxtrDiagMgr_GetNTCFailed ReadMtrDrvFltData Rte_Call_Sa_MtrDrvDiag_loHwAbPortConfig_SetFetFlt2ToOutput Rte_Call_Sa_MtrDrvDiag_FetFlt2Clk_OP_SET	1 1 1	<i>y</i>
rocBridgeFit tte_Call_Sa_MtrDrvDiag_NxtrDiagMgr_GetNTCFailed tte_Call_Sa_MtrDrvDiag_IoHwAbPortConfig_SetFetFlt2ToOutput tte_Call_Sa_MtrDrvDiag_FetFlt2Clk_OP_SET tateDrvWaitTime tte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32 tte_Call_Sa_MtrDrvDiag_SystemTime_DtrmnElapsedTime_uS_u16 tte_Call_Sa_MtrDrvDiag_FetFlt1Data_OP_GET tte_Call_Sa_MtrDrvDiag_FetFlt2Clk_OP_SET tateDrvWaitTime	1 1 1 1 1 1 1	ProcBridgeFit Rte_Call_Sa_MtrDrvDiag_NxtrDiagMgr_GetNTCFailed ReadMtrDrvFltData Rte_Call_Sa_MtrDrvDiag_loHwAbPortConfig_SetFetFlt2ToOutput Rte_Call_Sa_MtrDrvDiag_FetFlt2Clk_OP_SET	1	~
te_Call_Sa_MtrDrvDiag_NxtrDiagMgr_GetNTCFailed te_Call_Sa_MtrDrvDiag_IoHwAbPortConfig_SetFetFlt2ToOutput tte_Call_Sa_MtrDrvDiag_FetFlt2Clk_OP_SET tateDrvWaitTime tte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32 tte_Call_Sa_MtrDrvDiag_SystemTime_DtrmnElapsedTime_uS_u16 tte_Call_Sa_MtrDrvDiag_FetFlt1Data_OP_GET tte_Call_Sa_MtrDrvDiag_FetFlt2Clk_OP_SET tateDrvWaitTime	1 1 1 1 1 1	Rte_Call_Sa_MtrDrvDiag_NxtrDiagMgr_GetNTCFailed ReadMtrDrvFltData Rte_Call_Sa_MtrDrvDiag_loHwAbPortConfig_SetFetFit2ToOutput Rte_Call_Sa_MtrDrvDiag_FetFit2Clk_OP_SET	1	~
teadMtrDrvFitData tte_Call_Sa_MtrDrvDiag_IoHwAbPortConfig_SetFetFlt2ToOutput tte_Call_Sa_MtrDrvDiag_FetFlt2Clk_OP_SET tateDrvWaitTime tte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32 tte_Call_Sa_MtrDrvDiag_SystemTime_DtrmnElapsedTime_uS_u16 tte_Call_Sa_MtrDrvDiag_FetFlt1Data_OP_GET tte_Call_Sa_MtrDrvDiag_FetFlt2Clk_OP_SET tateDrvWaitTime	1 1 1 1 1	ReadMtrDrvFltData Rte_Call_Sa_MtrDrvDiag_loHwAbPortConfig_SetFetFlt2ToOutput Rte_Call_Sa_MtrDrvDiag_FetFlt2Clk_OP_SET		
tte_Call_Sa_MtrDrvDiag_IoHwAbPortConfig_SetFetFlt2ToOutput tte_Call_Sa_MtrDrvDiag_FetFlt2Clk_OP_SET tateDrvWaitTime tte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32 tte_Call_Sa_MtrDrvDiag_SystemTime_DtrmnElapsedTime_uS_u16 tte_Call_Sa_MtrDrvDiag_FetFlt1Data_OP_GET tte_Call_Sa_MtrDrvDiag_FetFlt2Clk_OP_SET tateDrvWaitTime	1 1 1 1	Rte_Call_Sa_MtrDrvDiag_IoHwAbPortConfig_SetFetFlt2ToOutput Rte_Call_Sa_MtrDrvDiag_FetFlt2Clk_OP_SET	1	~
te_Call_Sa_MtrDrvDiag_FetFlt2Clk_OP_SET tateDrvWaitTime te_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32 te_Call_Sa_MtrDrvDiag_SystemTime_DtrmnElapsedTime_uS_u16 te_Call_Sa_MtrDrvDiag_FetFlt1Data_OP_GET te_Call_Sa_MtrDrvDiag_FetFlt2Clk_OP_SET tateDrvWaitTime	1 1 1 1	Rte_Call_Sa_MtrDrvDiag_FetFlt2Clk_OP_SET		~
iateDrvWaitTime te_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32 te_Call_Sa_MtrDrvDiag_SystemTime_DtrmnElapsedTime_uS_u16 te_Call_Sa_MtrDrvDiag_FetFlt1Data_OP_GET te_Call_Sa_MtrDrvDiag_FetFlt2Clk_OP_SET iateDrvWaitTime	1 1 1		1	~
tte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32 tte_Call_Sa_MtrDrvDiag_SystemTime_DtrmnElapsedTime_uS_u16 tte_Call_Sa_MtrDrvDiag_FetFlt1Data_OP_GET tte_Call_Sa_MtrDrvDiag_FetFlt2Clk_OP_SET iateDrvWaitTime	1	GateDrvWaitTime	1	~
te_Call_Sa_MtrDrvDiag_SystemTime_DtrmnElapsedTime_uS_u16 tte_Call_Sa_MtrDrvDiag_FetFlt1Data_OP_GET tte_Call_Sa_MtrDrvDiag_FetFlt2Clk_OP_SET sateDrvWaitTime	1		1	~
te_Call_Sa_MtrDrvDiag_FetFlt1Data_OP_GET te_Call_Sa_MtrDrvDiag_FetFlt2Clk_OP_SET sateDrvWaitTime		Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32	1	~
ate_Call_Sa_MtrDrvDiag_FetFlt2Clk_OP_SET sateDrvWaitTime	1	Rte_Call_Sa_MtrDrvDiag_SystemTime_DtrmnElapsedTime_uS_u16	1	✓
ateDrvWaitTime	1.	Rte_Call_Sa_MtrDrvDiag_FetFlt1Data_OP_GET	1	~
	1	Rte_Call_Sa_MtrDrvDiag_FetFlt2Clk_OP_SET	1	✓
to Call Co MtrDr.Diag CustomTime CatCustomTime uC u22	1	GateDrvWaitTime	1	~
te_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32	1	Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32	1	~
tte_Call_Sa_MtrDrvDiag_SystemTime_DtrmnElapsedTime_uS_u16	1	Rte_Call_Sa_MtrDrvDiag_SystemTime_DtrmnElapsedTime_uS_u16	1	~
tte_Call_Sa_MtrDrvDiag_FetFlt2Clk_OP_SET	1	Rte_Call_Sa_MtrDrvDiag_FetFlt2Clk_OP_SET	1	~
ateDrvWaitTime	1	GateDrvWaitTime	1	~
tte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32	1	Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32	1	~
tte_Call_Sa_MtrDrvDiag_SystemTime_DtrmnElapsedTime_uS_u16	1	Rte_Call_Sa_MtrDrvDiag_SystemTime_DtrmnElapsedTime_uS_u16	1	_
te Call Sa MtrDrvDiag FetFlt1Data OP GET	1	Rte_Call_Sa_MtrDrvDiag_FetFlt1Data_OP_GET	1	V
tte_Call_Sa_MtrDrvDiag_FetFlt2Clk_OP_SET	1	Rte_Call_Sa_MtrDrvDiag_FetFlt2Clk_OP_SET	1	J
ateDrvWaitTime	1	GateDrvWaitTime	1	~
	1		1	Ž
te_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32 tte_Call_Sa_MtrDrvDiag_SystemTime_DtrmnElapsedTime_uS_u16	1	Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32	1	~
		Rte_Call_Sa_MtrDrvDiag_SystemTime_DtrmnElapsedTime_uS_u16		
tte_Call_Sa_MtrDrvDiag_FetFlt2Clk_OP_SET	1	Rte_Call_Sa_MtrDrvDiag_FetFlt2Clk_OP_SET	1	
dateDrvWaitTime	1	GateDrvWaitTime		V
tte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32	1	Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32	1	•
tte_Call_Sa_MtrDrvDiag_SystemTime_DtrmnElapsedTime_uS_u16	1	Rte_Call_Sa_MtrDrvDiag_SystemTime_DtrmnElapsedTime_uS_u16	1	~
tte_Call_Sa_MtrDrvDiag_FetFlt1Data_OP_GET	1	Rte_Call_Sa_MtrDrvDiag_FetFlt1Data_OP_GET	1	~
te_Call_Sa_MtrDrvDiag_FetFlt2Clk_OP_SET	1	Rte_Call_Sa_MtrDrvDiag_FetFlt2Clk_OP_SET	1	~
ateDrvWaitTime	1	GateDrvWaitTime	1	~
tte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32	1	Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32	1	~
tte_Call_Sa_MtrDrvDiag_SystemTime_DtrmnElapsedTime_uS_u16	1	Rte_Call_Sa_MtrDrvDiag_SystemTime_DtrmnElapsedTime_uS_u16	1	~
te_Call_Sa_MtrDrvDiag_FetFlt2Clk_OP_SET	1	Rte_Call_Sa_MtrDrvDiag_FetFlt2Clk_OP_SET	1	~
ateDrvWaitTime	1	GateDrvWaitTime	1	~
te_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32	1	Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32	1	~
te_Call_Sa_MtrDrvDiag_SystemTime_DtrmnElapsedTime_uS_u16	1	Rte_Call_Sa_MtrDrvDiag_SystemTime_DtrmnElapsedTime_uS_u16	1	~
te_Call_Sa_MtrDrvDiag_FetFlt1Data_OP_GET	1	Rte_Call_Sa_MtrDrvDiag_FetFlt1Data_OP_GET	1	✓
te_Call_Sa_MtrDrvDiag_FetFlt2Clk_OP_SET	1	Rte_Call_Sa_MtrDrvDiag_FetFlt2Clk_OP_SET	1	•
sateDrvWaitTime	1	GateDrvWaitTime	1	~
tte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32	1	Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32	1	~
tte_Call_Sa_MtrDrvDiag_SystemTime_DtrmnElapsedTime_uS_u16	1	Rte_Call_Sa_MtrDrvDiag_SystemTime_DtrmnElapsedTime_uS_u16	1	✓
tte_Call_Sa_MtrDrvDiag_FetFlt2Clk_OP_SET	1	Rte Call Sa MtrDrvDiag FetFlt2Clk OP SET	1	~
eateDryWaitTime	1	GateDrvWaitTime	1	✓
tte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32	1	Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32	1	~
te_Call_Sa_MtrDrvDiag_SystemTime_DtrmnElapsedTime_uS_u16	1	Rte Call Sa MtrDrvDiag SystemTime DtrmnElapsedTime uS u16	1	~
tte Call Sa MtrDrvDiag FetFlt1Data OP GET	1	Rte_Call_Sa_MtrDrvDiag_FetFlt1Data_OP_GET	1	,
tte Call Sa MtrDrvDiag FetFlt2Clk OP SET	1	Rte Call Sa MtrDrvDiag FetFlt2Clk OP SET	1	~
ateDrvWaitTime	1	GateDrvWaitTime	1	,
tte Call Sa MtrDrvDiag SystemTime GetSystemTime uS u32	1	Rte Call Sa MtrDrvDiag SystemTime GetSystemTime uS u32	1	~
te_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_us_us2 tte_Call_Sa_MtrDrvDiag_SystemTime_DtrmnElapsedTime_uS_u16	1	Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_us_us2 Rte_Call_Sa_MtrDrvDiag_SystemTime_DtrmnElapsedTime_uS_u16	1	Ž
	1			
te_Call_Sa_MtrDrvDiag_FetFlt2Clk_OP_SET		Rte_Call_Sa_MtrDrvDiag_FetFlt2Clk_OP_SET	1	₩
tateDrvWaitTime	1	GateDrvWaitTime	1	•
tte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32	1	Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32	1	V
tte_Call_Sa_MtrDrvDiag_SystemTime_DtrmnElapsedTime_uS_u16	1	Rte_Call_Sa_MtrDrvDiag_SystemTime_DtrmnElapsedTime_uS_u16	1	•
tte_Call_Sa_MtrDrvDiag_FetFlt1Data_OP_GET	1	Rte_Call_Sa_MtrDrvDiag_FetFlt1Data_OP_GET	1	~
te_Call_Sa_MtrDrvDiag_FetFlt2Clk_OP_SET	1	Rte_Call_Sa_MtrDrvDiag_FetFlt2Clk_OP_SET	1	~
ateDrvWaitTime	1	GateDrvWaitTime	1	~
tte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32	1	Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32	1	~
te_Call_Sa_MtrDrvDiag_SystemTime_DtrmnElapsedTime_uS_u16	1	Rte_Call_Sa_MtrDrvDiag_SystemTime_DtrmnElapsedTime_uS_u16	1	~
te_Call_Sa_MtrDrvDiag_FetFlt2Clk_OP_SET	1	Rte_Call_Sa_MtrDrvDiag_FetFlt2Clk_OP_SET	1	~
ateDrvWaitTime	1	GateDrvWaitTime	1	~
te_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32	1	Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32	1	~
tte_Call_Sa_MtrDrvDiag_SystemTime_DtrmnElapsedTime_uS_u16	1	Rte_Call_Sa_MtrDrvDiag_SystemTime_DtrmnElapsedTime_uS_u16	1	~
tte_Call_Sa_MtrDrvDiag_FetFlt1Data_OP_GET	1	Rte_Call_Sa_MtrDrvDiag_FetFlt1Data_OP_GET	1	~
tte_Call_Sa_MtrDrvDiag_FetFlt2Clk_OP_SET	1	Rte_Call_Sa_MtrDrvDiag_FetFlt2Clk_OP_SET	1	~
ateDrvWaitTime	1	GateDrvWaitTime	1	~
te_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32	1	Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32	1	✓
tte_Call_Sa_MtrDrvDiag_SystemTime_DtrmnElapsedTime_uS_u16	1	Rte_Call_Sa_MtrDrvDiag_SystemTime_DtrmnElapsedTime_uS_u16	1	~
te_Call_Sa_MtrDrvDiag_FetFlt2Clk_OP_SET	1	Rte_Call_Sa_MtrDrvDiag_FetFlt2Clk_OP_SET	1	✓
ateDrvWaitTime	1	GateDrvWaitTime	1	-

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Actual Function	Count	Expected Function	Count	Result
Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32	1	Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32	1	~
Rte_Call_Sa_MtrDrvDiag_SystemTime_DtrmnElapsedTime_uS_u16	1	Rte_Call_Sa_MtrDrvDiag_SystemTime_DtrmnElapsedTime_uS_u16	1	-
Rte_Call_Sa_MtrDrvDiag_FetFlt1Data_OP_GET	1	Rte_Call_Sa_MtrDrvDiag_FetFlt1Data_OP_GET	1	-
Rte_Call_Sa_MtrDrvDiag_FetFlt2Clk_OP_SET	1	Rte_Call_Sa_MtrDrvDiag_FetFlt2Clk_OP_SET	1	-
GateDrvWaitTime	1	GateDrvWaitTime	1	•
Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32	1	Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32	1	-
Rte_Call_Sa_MtrDrvDiag_SystemTime_DtrmnElapsedTime_uS_u16	1	Rte_Call_Sa_MtrDrvDiag_SystemTime_DtrmnElapsedTime_uS_u16	1	-
Rte_Call_Sa_MtrDrvDiag_FetFlt2Clk_OP_SET	1	Rte_Call_Sa_MtrDrvDiag_FetFlt2Clk_OP_SET	1	-
GateDrvWaitTime	1	GateDrvWaitTime	1	-
Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32	1	Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32	1	-
Rte_Call_Sa_MtrDrvDiag_SystemTime_DtrmnElapsedTime_uS_u16	1	Rte_Call_Sa_MtrDrvDiag_SystemTime_DtrmnElapsedTime_uS_u16	1	~
Rte_Call_Sa_MtrDrvDiag_FetFlt1Data_OP_GET	1	Rte_Call_Sa_MtrDrvDiag_FetFlt1Data_OP_GET	1	•
Rte_Call_Sa_MtrDrvDiag_FetFlt2Clk_OP_SET	1	Rte_Call_Sa_MtrDrvDiag_FetFlt2Clk_OP_SET	1	~
GateDrvWaitTime	1	GateDrvWaitTime	1	-
Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32	1	Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32	1	•
Rte_Call_Sa_MtrDrvDiag_SystemTime_DtrmnElapsedTime_uS_u16	1	Rte_Call_Sa_MtrDrvDiag_SystemTime_DtrmnElapsedTime_uS_u16	1	✓
Rte_Call_Sa_MtrDrvDiag_FetFlt2Clk_OP_SET	1	Rte_Call_Sa_MtrDrvDiag_FetFlt2Clk_OP_SET	1	~
GateDrvWaitTime	1	GateDrvWaitTime	1	~
Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32	1	Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32	1	~
Rte_Call_Sa_MtrDrvDiag_SystemTime_DtrmnElapsedTime_uS_u16	1	Rte_Call_Sa_MtrDrvDiag_SystemTime_DtrmnElapsedTime_uS_u16	1	~
Rte_Call_Sa_MtrDrvDiag_FetFlt1Data_OP_GET	1	Rte_Call_Sa_MtrDrvDiag_FetFlt1Data_OP_GET	1	•
Rte_Call_Sa_MtrDrvDiag_FetFlt2Clk_OP_SET	1	Rte_Call_Sa_MtrDrvDiag_FetFlt2Clk_OP_SET	1	~
GateDrvWaitTime	1	GateDrvWaitTime	1	~
Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32	1	Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32	1	~
Rte_Call_Sa_MtrDrvDiag_SystemTime_DtrmnElapsedTime_uS_u16	1	Rte_Call_Sa_MtrDrvDiag_SystemTime_DtrmnElapsedTime_uS_u16	1	•
Rte_Call_Sa_MtrDrvDiag_IoHwAbPortConfig_SetFetFlt2ToOutput	1	Rte_Call_Sa_MtrDrvDiag_IoHwAbPortConfig_SetFetFlt2ToOutput	1	•
Rte_Call_Sa_MtrDrvDiag_NxtrDiagMgr_SetNTCStatus	1	Rte_Call_Sa_MtrDrvDiag_NxtrDiagMgr_SetNTCStatus	1	•
ResetGateDrive	1	ResetGateDrive	1	•
SuspendAllInterrupts	1	SuspendAllInterrupts	1	•
Rte_Call_Sa_MtrDrvDiag_FetDrvReset_OP_SET	1	Rte_Call_Sa_MtrDrvDiag_FetDrvReset_OP_SET	1	-
GateDrvWaitTime	1	GateDrvWaitTime	1	•
Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32	1	Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32	1	-
Rte_Call_Sa_MtrDrvDiag_SystemTime_DtrmnElapsedTime_uS_u16	1	Rte_Call_Sa_MtrDrvDiag_SystemTime_DtrmnElapsedTime_uS_u16	1	-
Rte_Call_Sa_MtrDrvDiag_FetDrvReset_OP_SET	1	Rte_Call_Sa_MtrDrvDiag_FetDrvReset_OP_SET	1	-
ResumeAllInterrupts	1	ResumeAllInterrupts	1	•
Rte_Call_MtrDrvDiag_Per1_CP1_CheckpointReached	1	Rte_Call_MtrDrvDiag_Per1_CP1_CheckpointReached	1	✓

Test Step 2.8 (Repeat Count = 1)			
Name	Input Value		
Rte_Call_Sa_MtrDrvDiag_FetFlt2Clk_OP_GET(signal)	target_Rte_Call_Sa_MtrDrvDiag_FetFlt2Clk_OP_GET_signal		
Rte_Call_Sa_MtrDrvDiag_NxtrDiagMgr_GetNTCFailed(NTCFailed_Ptr_T_lgc)	target_Rte_Call_Sa_MtrDrvDiag_NxtrDiagMgr_GetNTCFailed_NTCFailed_Ptr_T_lgc		
Rte Call Sa MtrDrvDiag SystemTime DtrmnElapsedTime mS u16(ElapsedTime)	target_Rte_Call_Sa_MtrDrvDiag_SystemTime_DtrmnElapsedTime_mS_u16_ElapsedTime		
$Rte_Call_Sa_MtrDrvDiag_SystemTime_DtrmnElapsedTime_uS_u16(ElapsedTime)$	target_Rte_Call_Sa_MtrDrvDiag_SystemTime_DtrmnElapsedTime_uS_u16_ElapsedTime		
Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_mS_u32(CurrentTime)	target_Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_mS_u32_CurrentTime		
Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32(CurrentTime)	target_Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32_CurrentTime		
Rte_Inst_Sa_MtrDrvDiag	target_Rte_Inst_Sa_MtrDrvDiag		
SVDiag_FETFaultPhase_Cnt_M_enum	2		
SVDiag_FETFaultType_Cnt_M_enum	2		
SVDiag_GateDriveFltAcc_Cnt_M_u16	4000		
SVDiag_GenGateDriveFltAcc_Cnt_M_u16	0		
SVDiag_MtrDrvInitActive_Cnt_M_lgc	1		
SVDiag_MtrDrvInitComp_Cnt_M_lgc	1		
SVDiag_MtrDrvInitStartTime_mS_M_u32p0	4234		
SVDiag_OnStateFltAcc_Cnt_M_u16	11110		
SVDiag_ResetWaitLoop_Cnt_M_lgc	0		
k_GateDriveDiag_Cnt_str.Threshold	30000		
k_GateDriveDiag_Cnt_str.PStep	50000		
k_GateDriveDiag_Cnt_str.NStep	50000		
k_OnStateDiag_Cnt_str.Threshold	11110		
k_OnStateDiag_Cnt_str.PStep	20000		
k_OnStateDiag_Cnt_str.NStep	10000		
target_MtrDrvDiag_Per1_MtrDrvrInitStart_Cnt_lgc.value	1		
target_Rte_Call_Sa_MtrDrvDiag_FetFlt2Clk_OP_GET_signal	1		
$target_Rte_Call_Sa_MtrDrvDiag_NxtrDiagMgr_GetNTCFailed_NTCFailed_Ptr_T_lg$	1		
$target_Rte_Call_Sa_MtrDrvDiag_SystemTime_DtrmnElapsedTime_mS_u16_ElapsedTime_mSu16$	26000		
target_Rte_Call_Sa_MtrDrvDiag_SystemTime_DtrmnElapsedTime_uS_u16_Elapse	20100		
$target_Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_mS_u32_CurrentTime_mS_u32_CurrentTime_mS_u32_CurrentTime_mS_u32_CurrentTime_mS_u32_CurrentTime_mS_u32_CurrentTime_mS_u33_Curren$	200000000		
target Rte Call Sa MtrDrvDiag SystemTime GetSystemTime uS u32 CurrentTir	1000000		
target_Rte_Inst_Sa_MtrDrvDiag.MtrDrvDiag_Per1_FETFaultPhase_Cnt_enum	target_MtrDrvDiag_Per1_FETFaultPhase_Cnt_enum		
target_Rte_Inst_Sa_MtrDrvDiag.MtrDrvDiag_Per1_FETFaultType_Cnt_enum	target_MtrDrvDiag_Per1_FETFaultType_Cnt_enum		





Name	Input Value		
target_Rte_Inst_Sa_MtrDrvDiag.MtrDrvDiag_Per1_GateDriveResetActive_Cnt_Igc	target_MtrDrvDiag_Per1_GateDriveResetAc	ctive_Cnt_lgc	
target_Rte_Inst_Sa_MtrDrvDiag.MtrDrvDiag_Per1_MtrDrvrInitComplete_Cnt_Igc	target_MtrDrvDiag_Per1_MtrDrvrInitComple	te_Cnt_lgc	
target_Rte_Inst_Sa_MtrDrvDiag.MtrDrvDiag_Per1_MtrDrvrInitStart_Cnt_lgc	target_MtrDrvDiag_Per1_MtrDrvrInitStart_C	nt_lgc	
Name	Actual Value	Expected Value	Result
SVDiag_FETFaultPhase_Cnt_M_enum	2	2	~
SVDiag_FETFaultType_Cnt_M_enum	2	2	✓
SVDiag_GateDriveFltAcc_Cnt_M_u16	4000	4000 ± 1	~
SVDiag_GenGateDriveFltAcc_Cnt_M_u16	0	0 ± 1	✓
SVDiag_MtrDrvInitActive_Cnt_M_lgc	1	1	•
SVDiag_MtrDrvInitComp_Cnt_M_lgc	1	1	✓
SVDiag_MtrDrvInitStartTime_mS_M_u32p0	4234	4234 ± 1	~
SVDiag_OnStateFltAcc_Cnt_M_u16	11110	11110 ± 1	✓
SVDiag_ResetWaitLoop_Cnt_M_lgc	0	0	~
target_MtrDrvDiag_Per1_FETFaultPhase_Cnt_enum.value	2	2	•
target_MtrDrvDiag_Per1_FETFaultType_Cnt_enum.value	2	2	~
target_MtrDrvDiag_Per1_GateDriveResetActive_Cnt_lgc.value	1	1	•
target_MtrDrvDiag_Per1_MtrDrvrInitComplete_Cnt_lgc.value	1	1	•
NTC	0x4C	0x4C	•
Param	0x01	0x01	~
Status	0x01	0x01	~

Test Step Call Trace					
Actual Function	Count	Expected Function	Count	Result	
Rte_Call_MtrDrvDiag_Per1_CP0_CheckpointReached	1	Rte_Call_MtrDrvDiag_Per1_CP0_CheckpointReached	1	~	
Rte_Call_Sa_MtrDrvDiag_FetFlt1Data_OP_GET	1	Rte_Call_Sa_MtrDrvDiag_FetFlt1Data_OP_GET	1	~	
Rte_Call_Sa_MtrDrvDiag_FetFlt2Clk_OP_GET	1	Rte_Call_Sa_MtrDrvDiag_FetFlt2Clk_OP_GET	1	~	
Rte_Call_Sa_MtrDrvDiag_NxtrDiagMgr_SetNTCStatus	1	Rte_Call_Sa_MtrDrvDiag_NxtrDiagMgr_SetNTCStatus	1	✓	
ProcBridgeFlt	1	ProcBridgeFlt	1	~	
Rte_Call_Sa_MtrDrvDiag_NxtrDiagMgr_GetNTCFailed	1	Rte_Call_Sa_MtrDrvDiag_NxtrDiagMgr_GetNTCFailed	1	✓	
Rte_Call_Sa_MtrDrvDiag_NxtrDiagMgr_SetNTCStatus	1	Rte_Call_Sa_MtrDrvDiag_NxtrDiagMgr_SetNTCStatus	1	•	
ResetGateDrive	1	ResetGateDrive	1	•	
SuspendAllInterrupts	1	SuspendAllInterrupts	1	•	
Rte_Call_Sa_MtrDrvDiag_FetDrvReset_OP_SET	1	Rte_Call_Sa_MtrDrvDiag_FetDrvReset_OP_SET	1	✓	
GateDrvWaitTime	1	GateDrvWaitTime	1	~	
Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32	1	Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32	1	~	
Rte_Call_Sa_MtrDrvDiag_SystemTime_DtrmnElapsedTime_uS_u16	1	Rte_Call_Sa_MtrDrvDiag_SystemTime_DtrmnElapsedTime_uS_u16	1	•	
Rte_Call_Sa_MtrDrvDiag_FetDrvReset_OP_SET	1	Rte_Call_Sa_MtrDrvDiag_FetDrvReset_OP_SET	1	•	
ResumeAllInterrupts	1	ResumeAllInterrupts	1	~	
Rte_Call_MtrDrvDiag_Per1_CP1_CheckpointReached	1	Rte_Call_MtrDrvDiag_Per1_CP1_CheckpointReached	1	~	

Test Step 2.9 (Repeat Count = 1)	✓
Name	Input Value
Rte_Call_Sa_MtrDrvDiag_FetFlt2Clk_OP_GET(signal)	target_Rte_Call_Sa_MtrDrvDiag_FetFlt2Clk_OP_GET_signal
Rte_Call_Sa_MtrDrvDiag_NxtrDiagMgr_GetNTCFailed(NTCFailed_Ptr_T_lgc)	target_Rte_Call_Sa_MtrDrvDiag_NxtrDiagMgr_GetNTCFailed_NTCFailed_Ptr_T_lgc
Rte_Call_Sa_MtrDrvDiag_SystemTime_DtrmnElapsedTime_mS_u16(ElapsedTime)	target_Rte_Call_Sa_MtrDrvDiag_SystemTime_DtrmnElapsedTime_mS_u16_ElapsedTime
$Rte_Call_Sa_MtrDrvDiag_SystemTime_DtrmnElapsedTime_uS_u16(ElapsedTime)$	target_Rte_Call_Sa_MtrDrvDiag_SystemTime_DtrmnElapsedTime_uS_u16_ElapsedTime
Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_mS_u32(CurrentTime)	target_Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_mS_u32_CurrentTime
Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32(CurrentTime)	target_Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32_CurrentTime
Rte_Inst_Sa_MtrDrvDiag	target_Rte_Inst_Sa_MtrDrvDiag
SVDiag_FETFaultPhase_Cnt_M_enum	1
SVDiag_FETFaultType_Cnt_M_enum	1
SVDiag_GateDriveFltAcc_Cnt_M_u16	5000
SVDiag_GenGateDriveFltAcc_Cnt_M_u16	200
SVDiag_MtrDrvInitActive_Cnt_M_lgc	0
SVDiag_MtrDrvInitComp_Cnt_M_lgc	1
SVDiag_MtrDrvInitStartTime_mS_M_u32p0	2929
SVDiag_OnStateFltAcc_Cnt_M_u16	12221
SVDiag_ResetWaitLoop_Cnt_M_lgc	0
k_GateDriveDiag_Cnt_str.Threshold	35000
k_GateDriveDiag_Cnt_str.PStep	55000
k_GateDriveDiag_Cnt_str.NStep	60000
k_OnStateDiag_Cnt_str.Threshold	12221
k_OnStateDiag_Cnt_str.PStep	21000
k_OnStateDiag_Cnt_str.NStep	11000
target_MtrDrvDiag_Per1_MtrDrvrInitStart_Cnt_lgc.value	0
target_Rte_Call_Sa_MtrDrvDiag_FetFlt2Clk_OP_GET_signal	1
$target_Rte_Call_Sa_MtrDrvDiag_NxtrDiagMgr_GetNTCFailed_NTCFailed_Ptr_T_lgrams and the properties of $	1
target Rte Call Sa MtrDrvDiag SystemTime DtrmnElapsedTime mS u16 Elapse	29000
target_Rte_Call_Sa_MtrDrvDiag_SystemTime_DtrmnElapsedTime_uS_u16_Elapse	21100
$target_Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_mS_u32_CurrentTime_mS_u32_CurrentTime_mS_u32_CurrentTime_mS_u32_CurrentTime_mS_u32_CurrentTime_mS_u32_CurrentTime_mS_u33_Curren$	30000000

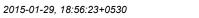




Name	Input Value		
target_Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32_CurrentTire	1100000		
target_Rte_Inst_Sa_MtrDrvDiag.MtrDrvDiag_Per1_FETFaultPhase_Cnt_enum	target_MtrDrvDiag_Per1_FETFaultPhase_Cr	nt_enum	
target_Rte_Inst_Sa_MtrDrvDiag.MtrDrvDiag_Per1_FETFaultType_Cnt_enum	target_MtrDrvDiag_Per1_FETFaultType_Cnt	_enum	
$target_Rte_Inst_Sa_MtrDrvDiag.MtrDrvDiag_Per1_GateDriveResetActive_Cnt_lgc$	target_MtrDrvDiag_Per1_GateDriveResetAct	tive_Cnt_lgc	
$target_Rte_Inst_Sa_MtrDrvDiag.MtrDrvDiag_Per1_MtrDrvrInitComplete_Cnt_lgc$	target_MtrDrvDiag_Per1_MtrDrvrInitComplet	e_Cnt_lgc	
target_Rte_Inst_Sa_MtrDrvDiag.MtrDrvDiag_Per1_MtrDrvrInitStart_Cnt_Igc	target_MtrDrvDiag_Per1_MtrDrvrInitStart_Cr	nt_lgc	
Name	Actual Value	Expected Value	Result
SVDiag_FETFaultPhase_Cnt_M_enum	1	1	~
SVDiag_FETFaultType_Cnt_M_enum	1	1	•
SVDiag_GateDriveFltAcc_Cnt_M_u16	5000	5000 ± 1	~
SVDiag_GenGateDriveFltAcc_Cnt_M_u16	200	200 ± 1	•
SVDiag_MtrDrvInitActive_Cnt_M_lgc	0	0	~
SVDiag_MtrDrvInitComp_Cnt_M_lgc	1	1	•
SVDiag_MtrDrvInitStartTime_mS_M_u32p0	2929	2929 ± 1	~
SVDiag_OnStateFltAcc_Cnt_M_u16	12221	12221 ± 1	✓
SVDiag_ResetWaitLoop_Cnt_M_lgc	0	0	~
target_MtrDrvDiag_Per1_FETFaultPhase_Cnt_enum.value	1	1	•
target_MtrDrvDiag_Per1_FETFaultType_Cnt_enum.value	1	1	~
target_MtrDrvDiag_Per1_GateDriveResetActive_Cnt_lgc.value	1	1	✓
target_MtrDrvDiag_Per1_MtrDrvrInitComplete_Cnt_lgc.value	1	1	~
NTC	0x4C	0x4C	~
Param	0x01	0x01	~
Status	0x01	0x01	✓

Test Step Call Trace				✓
Actual Function	Count	Expected Function	Count	Result
Rte_Call_MtrDrvDiag_Per1_CP0_CheckpointReached	1	Rte_Call_MtrDrvDiag_Per1_CP0_CheckpointReached	1	~
Rte_Call_Sa_MtrDrvDiag_FetFlt1Data_OP_GET	1	Rte_Call_Sa_MtrDrvDiag_FetFlt1Data_OP_GET	1	✓
Rte_Call_Sa_MtrDrvDiag_FetFlt2Clk_OP_GET	1	Rte_Call_Sa_MtrDrvDiag_FetFlt2Clk_OP_GET	1	~
Rte_Call_Sa_MtrDrvDiag_NxtrDiagMgr_SetNTCStatus	1	Rte_Call_Sa_MtrDrvDiag_NxtrDiagMgr_SetNTCStatus	1	•
ProcBridgeFlt	1	ProcBridgeFlt	1	•
Rte_Call_Sa_MtrDrvDiag_NxtrDiagMgr_GetNTCFailed	1	Rte_Call_Sa_MtrDrvDiag_NxtrDiagMgr_GetNTCFailed	1	•
Rte_Call_Sa_MtrDrvDiag_NxtrDiagMgr_SetNTCStatus	1	Rte_Call_Sa_MtrDrvDiag_NxtrDiagMgr_SetNTCStatus	1	•
ResetGateDrive	1	ResetGateDrive	1	~
SuspendAllInterrupts	1	SuspendAllInterrupts	1	•
Rte_Call_Sa_MtrDrvDiag_FetDrvReset_OP_SET	1	Rte_Call_Sa_MtrDrvDiag_FetDrvReset_OP_SET	1	~
GateDrvWaitTime	1	GateDrvWaitTime	1	~
Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32	1	Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32	1	•
Rte_Call_Sa_MtrDrvDiag_SystemTime_DtrmnElapsedTime_uS_u16	1	Rte_Call_Sa_MtrDrvDiag_SystemTime_DtrmnElapsedTime_uS_u16	1	•
Rte_Call_Sa_MtrDrvDiag_FetDrvReset_OP_SET	1	Rte_Call_Sa_MtrDrvDiag_FetDrvReset_OP_SET	1	•
ResumeAllInterrupts	1	ResumeAllInterrupts	1	~
Rte Call MtrDrvDiag Per1 CP1 CheckpointReached	1	Rte Call MtrDrvDiag Per1 CP1 CheckpointReached	1	✓

Test Step 2.10 (Repeat Count = 1)			
Name	Input Value		
Rte_Call_Sa_MtrDrvDiag_FetFlt2Clk_OP_GET(signal)	target_Rte_Call_Sa_MtrDrvDiag_FetFlt2Clk_OP_GET_signal		
Rte_Call_Sa_MtrDrvDiag_NxtrDiagMgr_GetNTCFailed(NTCFailed_Ptr_T_lgc)	target_Rte_Call_Sa_MtrDrvDiag_NxtrDiagMgr_GetNTCFailed_NTCFailed_Ptr_T_lgc		
Rte_Call_Sa_MtrDrvDiag_SystemTime_DtrmnElapsedTime_mS_u16(ElapsedTime)	target_Rte_Call_Sa_MtrDrvDiag_SystemTime_DtrmnElapsedTime_mS_u16_ElapsedTime		
$Rte_Call_Sa_MtrDrvDiag_SystemTime_DtrmnElapsedTime_uS_u16(ElapsedTime)$	target_Rte_Call_Sa_MtrDrvDiag_SystemTime_DtrmnElapsedTime_uS_u16_ElapsedTime		
Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_mS_u32(CurrentTime)	target_Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_mS_u32_CurrentTime		
Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32(CurrentTime)	target_Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32_CurrentTime		
Rte_Inst_Sa_MtrDrvDiag	target_Rte_Inst_Sa_MtrDrvDiag		
SVDiag_FETFaultPhase_Cnt_M_enum	2		
SVDiag_FETFaultType_Cnt_M_enum	2		
SVDiag_GateDriveFltAcc_Cnt_M_u16	6000		
SVDiag_GenGateDriveFltAcc_Cnt_M_u16	75		
SVDiag_MtrDrvInitActive_Cnt_M_lgc	1		
SVDiag_MtrDrvInitComp_Cnt_M_lgc	1		
SVDiag_MtrDrvInitStartTime_mS_M_u32p0	10000		
SVDiag_OnStateFltAcc_Cnt_M_u16	13332		
SVDiag_ResetWaitLoop_Cnt_M_lgc	0		
k_GateDriveDiag_Cnt_str.Threshold	40000		
k_GateDriveDiag_Cnt_str.PStep	60000		
k_GateDriveDiag_Cnt_str.NStep	11000		
k_OnStateDiag_Cnt_str.Threshold	13332		
k_OnStateDiag_Cnt_str.PStep	22000		
k_OnStateDiag_Cnt_str.NStep	12000		
target_MtrDrvDiag_Per1_MtrDrvrInitStart_Cnt_lgc.value	1		
target_Rte_Call_Sa_MtrDrvDiag_FetFlt2Clk_OP_GET_signal	1		
target_Rte_Call_Sa_MtrDrvDiag_NxtrDiagMgr_GetNTCFailed_NTCFailed_Ptr_T_lgr	0		





Name	Input Value		
$target_Rte_Call_Sa_MtrDrvDiag_SystemTime_DtrmnElapsedTime_mS_u16_Ela$	32000		
target_Rte_Call_Sa_MtrDrvDiag_SystemTime_DtrmnElapsedTime_uS_u16_Elapse	22100		
$target_Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_mS_u32_CurrentTime_mS_u32_CurrentTime_mS_u32_CurrentTime_mS_u32_CurrentTime_mS_u32_CurrentTime_mS_u32_CurrentTime_mS_u32_CurrentTime_mS_u32_CurrentTime_mS_u332_CurrentTi$	40000000		
$target_Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32_CurrentTire_uS_u32_CurrentTire_uS_u32_CurrentTire_uS_u32_CurrentTire_uS_u32_CurrentTire_uS_u32_CurrentTire_uS_u332_Current$	1200000		
target_Rte_Inst_Sa_MtrDrvDiag.MtrDrvDiag_Per1_FETFaultPhase_Cnt_enum	target_MtrDrvDiag_Per1_FETFaultPhase_Cr	nt_enum	
target_Rte_Inst_Sa_MtrDrvDiag.MtrDrvDiag_Per1_FETFaultType_Cnt_enum	target_MtrDrvDiag_Per1_FETFaultType_Cnt	_enum	
$target_Rte_Inst_Sa_MtrDrvDiag.MtrDrvDiag_Per1_GateDriveResetActive_Cnt_lgc$	target_MtrDrvDiag_Per1_GateDriveResetAct	ive_Cnt_lgc	
target_Rte_Inst_Sa_MtrDrvDiag.MtrDrvDiag_Per1_MtrDrvrInitComplete_Cnt_Igc	target_MtrDrvDiag_Per1_MtrDrvrInitComplete	e_Cnt_lgc	
target_Rte_Inst_Sa_MtrDrvDiag.MtrDrvDiag_Per1_MtrDrvrInitStart_Cnt_lgc	target_MtrDrvDiag_Per1_MtrDrvrInitStart_Cn	t_lgc	
Name	Actual Value	Expected Value	Result
SVDiag_FETFaultPhase_Cnt_M_enum	3	3	~
SVDiag_FETFaultType_Cnt_M_enum	2	2	~
SVDiag_GateDriveFltAcc_Cnt_M_u16	6000	6000 ± 1	~
SVDiag_GenGateDriveFltAcc_Cnt_M_u16	75	75 ± 1	~
SVDiag_MtrDrvInitActive_Cnt_M_lgc	1	1	~
SVDiag_MtrDrvInitComp_Cnt_M_lgc	1	1	~
SVDiag_MtrDrvInitStartTime_mS_M_u32p0	10000	10000 ± 1	~
SVDiag_OnStateFltAcc_Cnt_M_u16	13332	13332 ± 1	~
SVDiag_ResetWaitLoop_Cnt_M_lgc	0	0	~
target_MtrDrvDiag_Per1_FETFaultPhase_Cnt_enum.value	3	3	~
target_MtrDrvDiag_Per1_FETFaultType_Cnt_enum.value	2	2	~
target_MtrDrvDiag_Per1_GateDriveResetActive_Cnt_lgc.value	1	1	~
target_MtrDrvDiag_Per1_MtrDrvrInitComplete_Cnt_Igc.value	1	1	~
NTC	0x4C	0x4C	~
Param	0x01	0x01	~
Status	0x01	0x01	~

MtrDrvDiag_Per1

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Actual Function		Expected Function		Result
Rte_Call_MtrDrvDiag_Per1_CP0_CheckpointReached	1	Rte_Call_MtrDrvDiag_Per1_CP0_CheckpointReached	1	~
Rte_Call_Sa_MtrDrvDiag_FetFlt1Data_OP_GET	1	Rte_Call_Sa_MtrDrvDiag_FetFlt1Data_OP_GET	1	V
Rte_Call_Sa_MtrDrvDiag_FetFlt2Clk_OP_GET	1	Rte_Call_Sa_MtrDrvDiag_FetFlt2Clk_OP_GET	1	~
Rte_Call_Sa_MtrDrvDiag_NxtrDiagMgr_SetNTCStatus	1	Rte_Call_Sa_MtrDrvDiag_NxtrDiagMgr_SetNTCStatus	1	V
ProcBridgeFit Pto Coll So MtrDr/Diog NytrDiogMar CotNTCEpilod	1	ProcBridgeFlt Rte Call Sa MtrDrvDiag NxtrDiagMgr GetNTCFailed	1	~
Rte_Call_Sa_MtrDrvDiag_NxtrDiagMgr_GetNTCFailed ReadMtrDrvFltData	1	ReadMtrDrvFltData	1	Ž
Rte_Call_Sa_MtrDrvDiag_loHwAbPortConfig_SetFetFlt2ToOutput	1	Rte_Call_Sa_MtrDrvDiag_loHwAbPortConfig_SetFetFlt2ToOutput	1	~
Rte Call Sa MtrDrvDiag FetFlt2Clk OP SET	1	Rte_Call_Sa_MtrDrvDiag_FetFlt2Clk_OP_SET	1	
GateDrvWaitTime	1	GateDrvWaitTime	1	
Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32	1	Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32	1	
Rte_Call_Sa_MtrDrvDiag_SystemTime_DtrmnElapsedTime_uS_u16	1	Rte Call Sa MtrDrvDiag SystemTime DtrmnElapsedTime uS u16	1	~
Rte_Call_Sa_MtrDrvDiag_FetFlt1Data_OP_GET	1	Rte Call Sa MtrDrvDiag FetFlt1Data OP GET	1	_
Rte_Call_Sa_MtrDrvDiag_FetFlt2Clk_OP_SET	1	Rte_Call_Sa_MtrDrvDiag_FetFlt2Clk_OP_SET	1	~
GateDrvWaitTime	1	GateDrvWaitTime	1	_
Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32	1	Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32	1	~
Rte_Call_Sa_MtrDrvDiag_SystemTime_DtrmnElapsedTime_uS_u16	1	Rte_Call_Sa_MtrDrvDiag_SystemTime_DtrmnElapsedTime_uS_u16	1	~
Rte_Call_Sa_MtrDrvDiag_FetFlt2Clk_OP_SET	1	Rte_Call_Sa_MtrDrvDiag_FetFlt2Clk_OP_SET	1	~
GateDrvWaitTime	1	GateDrvWaitTime	1	~
Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32	1	Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32	1	~
Rte_Call_Sa_MtrDrvDiag_SystemTime_DtrmnElapsedTime_uS_u16	1	Rte_Call_Sa_MtrDrvDiag_SystemTime_DtrmnElapsedTime_uS_u16	1	~
Rte_Call_Sa_MtrDrvDiag_FetFlt1Data_OP_GET	1	Rte_Call_Sa_MtrDrvDiag_FetFlt1Data_OP_GET	1	•
Rte_Call_Sa_MtrDrvDiag_FetFlt2Clk_OP_SET	1	Rte_Call_Sa_MtrDrvDiag_FetFlt2Clk_OP_SET	1	~
GateDrvWaitTime	1	GateDrvWaitTime	1	~
Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32	1	Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32	1	~
Rte_Call_Sa_MtrDrvDiag_SystemTime_DtrmnElapsedTime_uS_u16	1	Rte_Call_Sa_MtrDrvDiag_SystemTime_DtrmnElapsedTime_uS_u16	1	~
Rte_Call_Sa_MtrDrvDiag_FetFlt2Clk_OP_SET	1	Rte_Call_Sa_MtrDrvDiag_FetFlt2Clk_OP_SET	1	~
GateDrvWaitTime	1	GateDrvWaitTime	1	~
Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32	1	Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32	1	~
Rte_Call_Sa_MtrDrvDiag_SystemTime_DtrmnElapsedTime_uS_u16	1	Rte_Call_Sa_MtrDrvDiag_SystemTime_DtrmnElapsedTime_uS_u16	1	~
Rte_Call_Sa_MtrDrvDiag_FetFlt1Data_OP_GET	1	Rte_Call_Sa_MtrDrvDiag_FetFlt1Data_OP_GET	1	•
Rte_Call_Sa_MtrDrvDiag_FetFlt2Clk_OP_SET	1	Rte_Call_Sa_MtrDrvDiag_FetFlt2Clk_OP_SET	1	V
GateDrvWaitTime	1	GateDrvWaitTime	1	•
Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32	1	Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32	1	•
Rte_Call_Sa_MtrDrvDiag_SystemTime_DtrmnElapsedTime_uS_u16 Rte_Call_Sa_MtrDrvDiag_FetFlt2Clk_OP_SET	1	Rte_Call_Sa_MtrDrvDiag_SystemTime_DtrmnElapsedTime_uS_u16 Rte_Call_Sa_MtrDrvDiag_FetFlt2Clk_OP_SET	1	~
GateDryWaitTime	1	GateDrvWaitTime	1	
Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32	1	Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32	1	~
Rte Call Sa MtrDrvDiag SystemTime DtrmnElapsedTime uS u16	1	Rte_Call_Sa_MtrDrvDiag_SystemTime_DtrmnElapsedTime_uS_u16	1	
Rte_Call_Sa_MtrDrvDiag_FetFlt1Data_OP_GET	1	Rte_Call_Sa_MtrDrvDiag_FetFlt1Data_OP_GET	1	~
Rte Call Sa MtrDrvDiag FetFlt2Clk OP SET	1	Rte_Call_Sa_MtrDrvDiag_FetFlt2Clk_OP_SET	1	_
GateDrvWaitTime	1	GateDrvWaitTime	1	✓
Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32	1	Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32	1	~
Rte_Call_Sa_MtrDrvDiag_SystemTime_DtrmnElapsedTime_uS_u16	1	Rte_Call_Sa_MtrDrvDiag_SystemTime_DtrmnElapsedTime_uS_u16	1	•
Rte_Call_Sa_MtrDrvDiag_FetFlt2Clk_OP_SET	1	Rte_Call_Sa_MtrDrvDiag_FetFlt2Clk_OP_SET	1	~
GateDrvWaitTime	1	GateDrvWaitTime	1	~
Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32	1	Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32	1	~
Rte_Call_Sa_MtrDrvDiag_SystemTime_DtrmnElapsedTime_uS_u16	1	Rte_Call_Sa_MtrDrvDiag_SystemTime_DtrmnElapsedTime_uS_u16	1	•
Rte_Call_Sa_MtrDrvDiag_FetFlt1Data_OP_GET	1	Rte_Call_Sa_MtrDrvDiag_FetFlt1Data_OP_GET	1	•
Rte_Call_Sa_MtrDrvDiag_FetFlt2Clk_OP_SET	1	Rte_Call_Sa_MtrDrvDiag_FetFlt2Clk_OP_SET	1	•
GateDrvWaitTime	1	GateDrvWaitTime	1	~
Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32	1	Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32	1	~
Rte_Call_Sa_MtrDrvDiag_SystemTime_DtrmnElapsedTime_uS_u16	1	Rte_Call_Sa_MtrDrvDiag_SystemTime_DtrmnElapsedTime_uS_u16	1	~
Rte_Call_Sa_MtrDrvDiag_FetFlt2Clk_OP_SET	1	Rte_Call_Sa_MtrDrvDiag_FetFlt2Clk_OP_SET	1	~
GateDrvWaitTime	1	GateDrvWaitTime	1	~
Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32	1	Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32	1	~
Rte_Call_Sa_MtrDrvDiag_SystemTime_DtrmnElapsedTime_uS_u16	1	Rte_Call_Sa_MtrDrvDiag_SystemTime_DtrmnElapsedTime_uS_u16	1	~
Rte_Call_Sa_MtrDrvDiag_FetFlt1Data_OP_GET	1	Rte_Call_Sa_MtrDrvDiag_FetFlt1Data_OP_GET	1	~
Rte_Call_Sa_MtrDrvDiag_FetFlt2Clk_OP_SET	1	Rte_Call_Sa_MtrDrvDiag_FetFlt2Clk_OP_SET	1	•
GateDrvWaitTime	1	GateDrvWaitTime	1	✓
Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32	1	Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32	1	· ·
Rte_Call_Sa_MtrDrvDiag_SystemTime_DtrmnElapsedTime_uS_u16	1	Rte_Call_Sa_MtrDrvDiag_SystemTime_DtrmnElapsedTime_uS_u16	1	V
Rte_Call_Sa_MtrDrvDiag_FetFlt2Clk_OP_SET	1	Rte_Call_Sa_MtrDrvDiag_FetFlt2Clk_OP_SET	1	•
GateDrvWaitTime Pto Coll So MtrDrvDiog SystemTime CotSystemTime us us use	1	GateDrvWaitTime	1	•
Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32	1	Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32	1	~
Rte_Call_Sa_MtrDrvDiag_SystemTime_DtrmnElapsedTime_uS_u16	1	Rte_Call_Sa_MtrDrvDiag_SystemTime_DtrmnElapsedTime_uS_u16	1	· ·
Rte_Call_Sa_MtrDrvDiag_FetFlt1Data_OP_GET	1	Rte_Call_Sa_MtrDrvDiag_FetFlt1Data_OP_GET	1	~
Rte_Call_Sa_MtrDrvDiag_FetFlt2Clk_OP_SET	1	Rte_Call_Sa_MtrDrvDiag_FetFlt2Clk_OP_SET GateDrvWaitTime	1	~
GateDryWaitTime	1	OdioDivvvaitiiiic		
GateDrvWaitTime Rte Call Sa MtrDrvDiag SystemTime GetSystemTime uS u32	1	Rte Call Sa MtrDryDiag SystemTime GetSystemTime us us2	1	
Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32	1	Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32 Rte_Call_Sa_MtrDrvDiag_SystemTime_DtrmnFlansedTime_uS_u16	1	~
	1 1 1	Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32 Rte_Call_Sa_MtrDrvDiag_SystemTime_DtrmnElapsedTime_uS_u16 Rte_Call_Sa_MtrDrvDiag_FetFlt2Clk_OP_SET	1 1	~

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Actual Function	Count	Expected Function	Count	Result
Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32	1	Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32	1	•
Rte_Call_Sa_MtrDrvDiag_SystemTime_DtrmnElapsedTime_uS_u16	1	Rte_Call_Sa_MtrDrvDiag_SystemTime_DtrmnElapsedTime_uS_u16	1	-
Rte_Call_Sa_MtrDrvDiag_FetFlt1Data_OP_GET	1	Rte_Call_Sa_MtrDrvDiag_FetFlt1Data_OP_GET	1	~
Rte_Call_Sa_MtrDrvDiag_FetFlt2Clk_OP_SET	1	Rte_Call_Sa_MtrDrvDiag_FetFlt2Clk_OP_SET	1	~
GateDrvWaitTime	1	GateDrvWaitTime	1	✓
Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32	1	Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32	1	•
Rte_Call_Sa_MtrDrvDiag_SystemTime_DtrmnElapsedTime_uS_u16	1	Rte_Call_Sa_MtrDrvDiag_SystemTime_DtrmnElapsedTime_uS_u16	1	•
Rte_Call_Sa_MtrDrvDiag_FetFlt2Clk_OP_SET	1	Rte_Call_Sa_MtrDrvDiag_FetFlt2Clk_OP_SET	1	•
GateDrvWaitTime	1	GateDrvWaitTime	1	✓
Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32	1	Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32	1	~
Rte_Call_Sa_MtrDrvDiag_SystemTime_DtrmnElapsedTime_uS_u16	1	Rte_Call_Sa_MtrDrvDiag_SystemTime_DtrmnElapsedTime_uS_u16	1	~
Rte_Call_Sa_MtrDrvDiag_FetFlt1Data_OP_GET	1	Rte_Call_Sa_MtrDrvDiag_FetFlt1Data_OP_GET	1	~
Rte_Call_Sa_MtrDrvDiag_FetFlt2Clk_OP_SET	1	Rte_Call_Sa_MtrDrvDiag_FetFlt2Clk_OP_SET	1	~
GateDrvWaitTime	1	GateDrvWaitTime	1	~
Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32	1	Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32	1	✓
Rte_Call_Sa_MtrDrvDiag_SystemTime_DtrmnElapsedTime_uS_u16	1	Rte_Call_Sa_MtrDrvDiag_SystemTime_DtrmnElapsedTime_uS_u16	1	~
Rte_Call_Sa_MtrDrvDiag_FetFlt2Clk_OP_SET	1	Rte_Call_Sa_MtrDrvDiag_FetFlt2Clk_OP_SET	1	✓
GateDrvWaitTime	1	GateDrvWaitTime	1	~
Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32	1	Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32	1	✓
Rte_Call_Sa_MtrDrvDiag_SystemTime_DtrmnElapsedTime_uS_u16	1	Rte_Call_Sa_MtrDrvDiag_SystemTime_DtrmnElapsedTime_uS_u16	1	~
Rte_Call_Sa_MtrDrvDiag_FetFlt1Data_OP_GET	1	Rte_Call_Sa_MtrDrvDiag_FetFlt1Data_OP_GET	1	~
Rte_Call_Sa_MtrDrvDiag_FetFlt2Clk_OP_SET	1	Rte_Call_Sa_MtrDrvDiag_FetFlt2Clk_OP_SET	1	~
GateDrvWaitTime	1	GateDrvWaitTime	1	~
Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32	1	Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32	1	~
Rte_Call_Sa_MtrDrvDiag_SystemTime_DtrmnElapsedTime_uS_u16	1	Rte_Call_Sa_MtrDrvDiag_SystemTime_DtrmnElapsedTime_uS_u16	1	~
$Rte_Call_Sa_MtrDrvDiag_IoHwAbPortConfig_SetFetFlt2ToOutput$	1	Rte_Call_Sa_MtrDrvDiag_IoHwAbPortConfig_SetFetFlt2ToOutput	1	~
Rte_Call_Sa_MtrDrvDiag_NxtrDiagMgr_SetNTCStatus	1	Rte_Call_Sa_MtrDrvDiag_NxtrDiagMgr_SetNTCStatus	1	~
ResetGateDrive	1	ResetGateDrive	1	~
SuspendAllInterrupts	1	SuspendAllInterrupts	1	~
Rte_Call_Sa_MtrDrvDiag_FetDrvReset_OP_SET	1	Rte_Call_Sa_MtrDrvDiag_FetDrvReset_OP_SET	1	~
GateDrvWaitTime	1	GateDrvWaitTime	1	•
Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32	1	Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32	1	~
Rte_Call_Sa_MtrDrvDiag_SystemTime_DtrmnElapsedTime_uS_u16	1	Rte_Call_Sa_MtrDrvDiag_SystemTime_DtrmnElapsedTime_uS_u16	1	~
Rte_Call_Sa_MtrDrvDiag_FetDrvReset_OP_SET	1	Rte_Call_Sa_MtrDrvDiag_FetDrvReset_OP_SET	1	~
ResumeAllInterrupts	1	ResumeAllInterrupts	1	~
Rte_Call_MtrDrvDiag_Per1_CP1_CheckpointReached	1	Rte_Call_MtrDrvDiag_Per1_CP1_CheckpointReached	1	~

Test Step 2.11 (Repeat Count = 1)		
Name	Input Value	
Rte_Call_Sa_MtrDrvDiag_FetFlt2Clk_OP_GET(signal)	target_Rte_Call_Sa_MtrDrvDiag_FetFlt2Clk_OP_GET_signal	
Rte_Call_Sa_MtrDrvDiag_NxtrDiagMgr_GetNTCFailed(NTCFailed_Ptr_T_lgc)	target_Rte_Call_Sa_MtrDrvDiag_NxtrDiagMgr_GetNTCFailed_NTCFailed_Ptr_T_lgc	
Rte Call Sa MtrDrvDiag SystemTime DtrmnElapsedTime mS u16(ElapsedTime)	target_Rte_Call_Sa_MtrDrvDiag_SystemTime_DtrmnElapsedTime_mS_u16_ElapsedTime	
$Rte_Call_Sa_MtrDrvDiag_SystemTime_DtrmnElapsedTime_uS_u16(ElapsedTime)$	target_Rte_Call_Sa_MtrDrvDiag_SystemTime_DtrmnElapsedTime_uS_u16_ElapsedTime	
Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_mS_u32(CurrentTime)	target_Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_mS_u32_CurrentTime	
Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32(CurrentTime)	target_Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32_CurrentTime	
Rte_Inst_Sa_MtrDrvDiag	target_Rte_Inst_Sa_MtrDrvDiag	
SVDiag_FETFaultPhase_Cnt_M_enum	3	
SVDiag_FETFaultType_Cnt_M_enum	0	
SVDiag_GateDriveFltAcc_Cnt_M_u16	7000	
SVDiag_GenGateDriveFltAcc_Cnt_M_u16	100	
SVDiag_MtrDrvInitActive_Cnt_M_lgc	0	
SVDiag_MtrDrvInitComp_Cnt_M_lgc	1	
SVDiag_MtrDrvInitStartTime_mS_M_u32p0	20000	
SVDiag_OnStateFltAcc_Cnt_M_u16	0	
SVDiag_ResetWaitLoop_Cnt_M_lgc	0	
k_GateDriveDiag_Cnt_str.Threshold	45000	
k_GateDriveDiag_Cnt_str.PStep	65000	
k_GateDriveDiag_Cnt_str.NStep	3333	
k_OnStateDiag_Cnt_str.Threshold	14443	
k_OnStateDiag_Cnt_str.PStep	23000	
k_OnStateDiag_Cnt_str.NStep	1111	
target_MtrDrvDiag_Per1_MtrDrvrInitStart_Cnt_lgc.value	1	
target_Rte_Call_Sa_MtrDrvDiag_FetFlt2Clk_OP_GET_signal	0	
target_Rte_Call_Sa_MtrDrvDiag_NxtrDiagMgr_GetNTCFailed_NTCFailed_Ptr_T_lg	0	
target_Rte_Call_Sa_MtrDrvDiag_SystemTime_DtrmnElapsedTime_mS_u16_Elapse	35000	
target_Rte_Call_Sa_MtrDrvDiag_SystemTime_DtrmnElapsedTime_uS_u16_Elapse	23100	
$target_Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_mS_u32_CurrentTime_mS_u32_CurrentTime_mS_u32_CurrentTime_mS_u32_CurrentTime_mS_u32_CurrentTime_mS_u32_CurrentTime_mS_u33_Curren$	50000000	
target Rte Call Sa MtrDrvDiag SystemTime GetSystemTime uS u32 CurrentTire	1300000	
target_Rte_Inst_Sa_MtrDrvDiag.MtrDrvDiag_Per1_FETFaultPhase_Cnt_enum	target_MtrDrvDiag_Per1_FETFaultPhase_Cnt_enum	
target_Rte_Inst_Sa_MtrDrvDiag.MtrDrvDiag_Per1_FETFaultType_Cnt_enum	target_MtrDrvDiag_Per1_FETFaultType_Cnt_enum	





Name	Input Value			
target_Rte_Inst_Sa_MtrDrvDiag.MtrDrvDiag_Per1_GateDriveResetActive_Cnt_lgc	target_MtrDrvDiag_Per1_GateDriveResetAc	tive_Cnt_lgc		
target_Rte_Inst_Sa_MtrDrvDiag.MtrDrvDiag_Per1_MtrDrvrInitComplete_Cnt_Igc	target_MtrDrvDiag_Per1_MtrDrvrInitComplet	arget_MtrDrvDiag_Per1_MtrDrvrInitComplete_Cnt_lgc		
target_Rte_Inst_Sa_MtrDrvDiag.MtrDrvDiag_Per1_MtrDrvrInitStart_Cnt_Igc	target_MtrDrvDiag_Per1_MtrDrvrInitStart_Cr	nt_lgc		
Name	Actual Value	Expected Value	Result	
SVDiag_FETFaultPhase_Cnt_M_enum	3	3	~	
SVDiag_FETFaultType_Cnt_M_enum	0	0	•	
SVDiag_GateDriveFltAcc_Cnt_M_u16	3667	3667 ± 1	~	
SVDiag_GenGateDriveFltAcc_Cnt_M_u16	100	100 ± 1	~	
SVDiag_MtrDrvInitActive_Cnt_M_lgc	0	0	~	
SVDiag_MtrDrvInitComp_Cnt_M_lgc	1	1	~	
SVDiag_MtrDrvInitStartTime_mS_M_u32p0	20000	20000 ± 1	~	
SVDiag_OnStateFltAcc_Cnt_M_u16	0	0 ± 1	~	
SVDiag_ResetWaitLoop_Cnt_M_lgc	0	0	~	
target_MtrDrvDiag_Per1_FETFaultPhase_Cnt_enum.value	3	3	~	
target_MtrDrvDiag_Per1_FETFaultType_Cnt_enum.value	0	0	~	
target_MtrDrvDiag_Per1_GateDriveResetActive_Cnt_lgc.value	0	0	~	
target_MtrDrvDiag_Per1_MtrDrvrInitComplete_Cnt_lgc.value	1	1	~	
NTC	0x4D	0x4D	~	
Param	0x00	0x00	~	
Status	0x00	0x00	~	
NTC	0x4E	0x4E	~	
Param	0x00	0x00	~	
Status	0x00	0x00	~	
NTC	0x4F	0x4F	~	
Param	0x00	0x00	~	
Status	0x00	0x00	~	

Test Step Call Trace				V
Actual Function	Count	Expected Function	Count	Result
Rte_Call_MtrDrvDiag_Per1_CP0_CheckpointReached	1	Rte_Call_MtrDrvDiag_Per1_CP0_CheckpointReached	1	~
Rte_Call_Sa_MtrDrvDiag_FetFlt1Data_OP_GET	1	Rte_Call_Sa_MtrDrvDiag_FetFlt1Data_OP_GET	1	✓
Rte_Call_Sa_MtrDrvDiag_FetFlt2Clk_OP_GET	1	Rte_Call_Sa_MtrDrvDiag_FetFlt2Clk_OP_GET	1	-
Rte_Call_Sa_MtrDrvDiag_NxtrDiagMgr_SetNTCStatus	3	Rte_Call_Sa_MtrDrvDiag_NxtrDiagMgr_SetNTCStatus	3	~
Rte_Call_MtrDrvDiag_Per1_CP1_CheckpointReached	1	Rte_Call_MtrDrvDiag_Per1_CP1_CheckpointReached	1	-

Test Step 2.12 (Repeat Count = 1)	· · · · · · · · · · · · · · · · · · ·
Name	Input Value
Rte_Call_Sa_MtrDrvDiag_FetFlt2Clk_OP_GET(signal)	target_Rte_Call_Sa_MtrDrvDiag_FetFlt2Clk_OP_GET_signal
Rte_Call_Sa_MtrDrvDiag_NxtrDiagMgr_GetNTCFailed(NTCFailed_Ptr_T_lgc)	target_Rte_Call_Sa_MtrDrvDiag_NxtrDiagMgr_GetNTCFailed_NTCFailed_Ptr_T_lgc
Rte_Call_Sa_MtrDrvDiag_SystemTime_DtrmnElapsedTime_mS_u16(ElapsedTime)	target_Rte_Call_Sa_MtrDrvDiag_SystemTime_DtrmnElapsedTime_mS_u16_ElapsedTime
Rte_Call_Sa_MtrDrvDiag_SystemTime_DtrmnElapsedTime_uS_u16(ElapsedTime)	target_Rte_Call_Sa_MtrDrvDiag_SystemTime_DtrmnElapsedTime_uS_u16_ElapsedTime
Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_mS_u32(CurrentTime)	target_Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_mS_u32_CurrentTime
Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32(CurrentTime)	target_Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32_CurrentTime
Rte_Inst_Sa_MtrDrvDiag	target_Rte_Inst_Sa_MtrDrvDiag
SVDiag_FETFaultPhase_Cnt_M_enum	1
SVDiag_FETFaultType_Cnt_M_enum	1
SVDiag_GateDriveFltAcc_Cnt_M_u16	8000
SVDiag_GenGateDriveFltAcc_Cnt_M_u16	110
SVDiag_MtrDrvInitActive_Cnt_M_lgc	0
SVDiag_MtrDrvInitComp_Cnt_M_lgc	1
SVDiag_MtrDrvInitStartTime_mS_M_u32p0	100000
SVDiag_OnStateFltAcc_Cnt_M_u16	65535
SVDiag_ResetWaitLoop_Cnt_M_lgc	0
k_GateDriveDiag_Cnt_str.Threshold	50000
k_GateDriveDiag_Cnt_str.PStep	11000
k_GateDriveDiag_Cnt_str.NStep	4444
k_OnStateDiag_Cnt_str.Threshold	11000
k_OnStateDiag_Cnt_str.PStep	24000
k_OnStateDiag_Cnt_str.NStep	2222
target_MtrDrvDiag_Per1_MtrDrvrInitStart_Cnt_lgc.value	0
target_Rte_Call_Sa_MtrDrvDiag_FetFlt2Clk_OP_GET_signal	0
$target_Rte_Call_Sa_MtrDrvDiag_NxtrDiagMgr_GetNTCFailed_NTCFailed_Ptr_T_lgrame and the property of the proper$	1
$target_Rte_Call_Sa_MtrDrvDiag_SystemTime_DtrmnElapsedTime_mS_u16_Ela$	38000
$target_Rte_Call_Sa_MtrDrvDiag_SystemTime_DtrmnElapsedTime_uS_u16_Ela$	24100
$target_Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_mS_u32_CurrentTime_mS_u32_CurrentTime_mS_u32_CurrentTime_mS_u32_CurrentTime_mS_u32_CurrentTime_mS_u33_Curren$	60000000
$target_Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32_CurrentTime_us_u32_CurrentTime_us_u32_CurrentTime_us_u32_CurrentTime_us_u32_CurrentTime_us_u32_CurrentTime_us_u32_CurrentTime_us_u332_CurrentT$	1400000
target_Rte_Inst_Sa_MtrDrvDiag.MtrDrvDiag_Per1_FETFaultPhase_Cnt_enum	target_MtrDrvDiag_Per1_FETFaultPhase_Cnt_enum
target_Rte_Inst_Sa_MtrDrvDiag.MtrDrvDiag_Per1_FETFaultType_Cnt_enum	target_MtrDrvDiag_Per1_FETFaultType_Cnt_enum
$target_Rte_Inst_Sa_MtrDrvDiag.MtrDrvDiag_Per1_GateDriveResetActive_Cnt_lgc$	target_MtrDrvDiag_Per1_GateDriveResetActive_Cnt_lgc
target_Rte_Inst_Sa_MtrDrvDiag.MtrDrvDiag_Per1_MtrDrvrInitComplete_Cnt_lgc	target_MtrDrvDiag_Per1_MtrDrvrInitComplete_Cnt_lgc

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Name	Input Value		
target_Rte_Inst_Sa_MtrDrvDiag.MtrDrvDiag_Per1_MtrDrvrInitStart_Cnt_lgc	target_MtrDrvDiag_Per1_MtrDrvrInitStart_Cnt_lgc		
Name	Actual Value	Expected Value	Result
SVDiag_FETFaultPhase_Cnt_M_enum	1	1	~
SVDiag_FETFaultType_Cnt_M_enum	1	1	•
SVDiag_GateDriveFltAcc_Cnt_M_u16	3556	3556 ± 1	•
SVDiag_GenGateDriveFltAcc_Cnt_M_u16	110	110 ± 1	✓
SVDiag_MtrDrvInitActive_Cnt_M_lgc	0	0	•
SVDiag_MtrDrvInitComp_Cnt_M_lgc	1	1	✓
SVDiag_MtrDrvInitStartTime_mS_M_u32p0	100000	100000 ± 1	•
SVDiag_OnStateFltAcc_Cnt_M_u16	63313	63313 ± 1	•
SVDiag_ResetWaitLoop_Cnt_M_lgc	0	0	•
target_MtrDrvDiag_Per1_FETFaultPhase_Cnt_enum.value	1	1	✓
target_MtrDrvDiag_Per1_FETFaultType_Cnt_enum.value	1	1	•
target_MtrDrvDiag_Per1_GateDriveResetActive_Cnt_lgc.value	0	0	✓
target_MtrDrvDiag_Per1_MtrDrvrInitComplete_Cnt_lgc.value	1	1	•
NTC	0x4D	0x4D	✓
Param	0x00	0x00	✓
Status	0x00	0x00	✓
NTC	0x4E	0x4E	•
Param	0x00	0x00	✓
Status	0x00	0x00	-
NTC	0x4F	0x4F	~
Param	0x00	0x00	~
Status	0x00	0x00	~

Test Step Call Trace				✓
Actual Function	Count	Expected Function	Count	Result
Rte_Call_MtrDrvDiag_Per1_CP0_CheckpointReached	1	Rte_Call_MtrDrvDiag_Per1_CP0_CheckpointReached	1	~
Rte_Call_Sa_MtrDrvDiag_FetFlt1Data_OP_GET	1	Rte_Call_Sa_MtrDrvDiag_FetFlt1Data_OP_GET	1	~
Rte_Call_Sa_MtrDrvDiag_FetFlt2Clk_OP_GET	1	Rte_Call_Sa_MtrDrvDiag_FetFlt2Clk_OP_GET	1	~
Rte_Call_Sa_MtrDrvDiag_NxtrDiagMgr_SetNTCStatus	3	Rte_Call_Sa_MtrDrvDiag_NxtrDiagMgr_SetNTCStatus	3	~
Rte_Call_MtrDrvDiag_Per1_CP1_CheckpointReached	1	Rte_Call_MtrDrvDiag_Per1_CP1_CheckpointReached	1	-



Test Step 2.13 (Repeat Count = 1)			✓
Name	Input Value		Ť
Rte_Call_Sa_MtrDrvDiag_FetFlt2Clk_OP_GET(signal)	target_Rte_Call_Sa_MtrDrvDiag_FetFlt2Clk	OP GET signal	
Rte_Call_Sa_MtrDrvDiag_NxtrDiagMgr_GetNTCFailed(NTCFailed_Ptr_T_lgc)	target_Rte_Call_Sa_MtrDrvDiag_NxtrDiagM		
Rte_Call_Sa_MtrDrvDiag_SystemTime_DtrmnElapsedTime_mS_u16(ElapsedTime			<u>,</u>
Rte_Call_Sa_MtrDrvDiag_SystemTime_DtrmnElapsedTime_uS_u16(ElapsedTime)		ne_DtrmnElapsedTime_uS_u16_ElapsedTime	
Rte Call Sa MtrDrvDiag SystemTime GetSystemTime ms u32(CurrentTime)	target Rte Call Sa MtrDrvDiag SystemTin		
Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_u3_u32(CurrentTime)	target_Rte_Call_Sa_MtrDrvDiag_SystemTin	_ /	
Rte Inst Sa MtrDrvDiag	target_Rte_Inst_Sa_MtrDrvDiag	ne_octoystemrime_uo_usz_ounchtrime	
SVDiag_FETFaultPhase_Cnt_M_enum	2		
SVDiag_FETFaultType_Cnt_M_enum	2		
SVDiag GateDriveFltAcc Cnt M u16	9000		
SVDiag_GenGateDriveFltAcc_Cnt_M_u16	120		
SVDiag MtrDrvInitActive Cnt M lgc	1		
SVDiag_MtrDrvInitComp_Cnt_M_lgc	1		
SVDiag MtrDrvInitStartTime mS M u32p0	200000		
SVDiag OnStateFltAcc Cnt M u16	3000		
SVDiag ResetWaitLoop Cnt M lgc	0		
k_GateDriveDiag_Cnt_str.Threshold	55000		
k_GateDriveDiag_Cnt_str.PStep	12000		
k_GateDriveDiag_Cnt_str.NStep	5555		
k_OnStateDiag_Cnt_str.Threshold	12000		
k_OnStateDiag_Cnt_str.PStep	25000		
k_OnStateDiag_Cnt_str.NStep	3333		
target_MtrDrvDiag_Per1_MtrDrvrInitStart_Cnt_lgc.value	1		
target_Rte_Call_Sa_MtrDrvDiag_FetFlt2Clk_OP_GET_signal	0		
target_Rte_Call_Sa_MtrDrvDiag_NxtrDiagMgr_GetNTCFailed_NTCFailed_Ptr_T_lg	0		
target_Rte_Call_Sa_MtrDrvDiag_SystemTime_DtrmnElapsedTime_mS_u16_Elapse	41000		
target_Rte_Call_Sa_MtrDrvDiag_SystemTime_DtrmnElapsedTime_uS_u16_Elapse	25100		
$target_Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_mS_u32_CurrentTime_mS_u32_CurrentTime_mS_u32_CurrentTime_mS_u32_CurrentTime_mS_u32_CurrentTime_mS_u32_CurrentTime_mS_u33_Curren$	i 70000000		
target_Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32_CurrentTi	r 1500000		
target_Rte_Inst_Sa_MtrDrvDiag.MtrDrvDiag_Per1_FETFaultPhase_Cnt_enum	target_MtrDrvDiag_Per1_FETFaultPhase_C	nt_enum	
target_Rte_Inst_Sa_MtrDrvDiag.MtrDrvDiag_Per1_FETFaultType_Cnt_enum	target_MtrDrvDiag_Per1_FETFaultType_Cn	t_enum	
$target_Rte_Inst_Sa_MtrDrvDiag.MtrDrvDiag_Per1_GateDriveResetActive_Cnt_lgc$	target_MtrDrvDiag_Per1_GateDriveResetAc	ctive_Cnt_lgc	
target_Rte_Inst_Sa_MtrDrvDiag.MtrDrvDiag_Per1_MtrDrvrInitComplete_Cnt_lgc	target_MtrDrvDiag_Per1_MtrDrvrInitComple	te_Cnt_lgc	
target_Rte_Inst_Sa_MtrDrvDiag.MtrDrvDiag_Per1_MtrDrvrInitStart_Cnt_lgc	target_MtrDrvDiag_Per1_MtrDrvrInitStart_C	nt_lgc	
Name	Actual Value	Expected Value	Result
SVDiag_FETFaultPhase_Cnt_M_enum	2	2	~
SVDiag_FETFaultType_Cnt_M_enum	2	2	~
SVDiag_GateDriveFltAcc_Cnt_M_u16	3445	3445 ± 1	~
SVDiag_GenGateDriveFltAcc_Cnt_M_u16	120	120 ± 1	~
SVDiag_MtrDrvInitActive_Cnt_M_lgc	1	1	~
SVDiag_MtrDrvInitComp_Cnt_M_lgc	1	1	~
SVDiag_MtrDrvInitStartTime_mS_M_u32p0	200000	200000 ± 1	~
SVDiag_OnStateFltAcc_Cnt_M_u16	0	0 ± 1	~
SVDiag_ResetWaitLoop_Cnt_M_lgc	0	0	~
target_MtrDrvDiag_Per1_FETFaultPhase_Cnt_enum.value	2	2	~
target_MtrDrvDiag_Per1_FETFaultType_Cnt_enum.value	2	2	~
target_MtrDrvDiag_Per1_GateDriveResetActive_Cnt_lgc.value	0	0	~
target_MtrDrvDiag_Per1_MtrDrvrInitComplete_Cnt_lgc.value	1	1	•
NTC	0x4D	0x4D	~
Param	0x00	0x00	~
Status	0x00	0x00	~
NTC	0x4E	0x4E	~
Param	0x00	0x00	~
Status	0x00	0x00	~
NTO	0x4F	0x4F	✓
NTC	OA+I	******	
Param	0x00	0x00 0x00	~

Test Step Call Trace				V
Actual Function	Count	Expected Function	Count	Result
Rte_Call_MtrDrvDiag_Per1_CP0_CheckpointReached	1	Rte_Call_MtrDrvDiag_Per1_CP0_CheckpointReached	1	~
Rte_Call_Sa_MtrDrvDiag_FetFlt1Data_OP_GET	1	Rte_Call_Sa_MtrDrvDiag_FetFlt1Data_OP_GET	1	~
Rte_Call_Sa_MtrDrvDiag_FetFlt2Clk_OP_GET	1	Rte_Call_Sa_MtrDrvDiag_FetFlt2Clk_OP_GET	1	~
Rte_Call_Sa_MtrDrvDiag_NxtrDiagMgr_SetNTCStatus	3	Rte_Call_Sa_MtrDrvDiag_NxtrDiagMgr_SetNTCStatus	3	~
Pto Call MtrDryDiag Port CP1 CheckpointPeached	1	Pto Call MtrDryDiag Port CP1 ChackpointPeached	1	



Test Step 2.14 (Repeat Count = 1) Name	Input Value		
Rte_Call_Sa_MtrDrvDiag_FetFlt2Clk_OP_GET(signal)	target_Rte_Call_Sa_MtrDrvDiag_Fe	tElt2Clk OP GET signal	
Rte_Call_Sa_MtrDrvDiag_NxtrDiagMgr_GetNTCFailed(NTCFailed_Ptr_T_lgc)		trDiagMgr_GetNTCFailed_NTCFailed_Pt	r T lac
Rte_Call_Sa_MtrDrvDiag_SystemTime_DtrmnElapsedTime_mS_u16(ElapsedTime		stemTime_DtrmnElapsedTime_mS_u16_	
Rte_Call_Sa_MtrDrvDiag_SystemTime_DtrmnElapsedTime_uS_u16(ElapsedTime)		stemTime_DtrmnElapsedTime_uS_u16_l	
Rte Call Sa MtrDrvDiag SystemTime GetSystemTime mS u32(CurrentTime)		stemTime GetSystemTime mS u32 Cu	
Rte Call Sa MtrDrvDiag SystemTime GetSystemTime uS u32(CurrentTime)		stemTime_GetSystemTime_uS_u32_Cur	
Rte Inst Sa MtrDrvDiag	target_Rte_Inst_Sa_MtrDrvDiag	otem mine_detayotem mine_de_de2_edi	TOTAL
SVDiag_FETFaultPhase_Cnt_M_enum	3		
SVDiag_FETFaultType_Cnt_M_enum	0		
SVDiag GateDriveFltAcc Cnt M u16	10000		
SVDiag_GenGateDriveFltAcc_Cnt_M_u16	130		
SVDiag MtrDrvInitActive Cnt M lgc	1		
SVDiag_MtrDrvInitComp_Cnt_M_lgc	1		
SVDiag MtrDrvInitStartTime mS M u32p0	300000		
SVDiag OnStateFltAcc Cnt M u16	14100		
SVDiag ResetWaitLoop Cnt M lgc	0		
k_GateDriveDiag_Cnt_str.Threshold	60000		
k_GateDriveDiag_Cnt_str.PStep	13000		
k_GateDriveDiag_Cnt_str.NStep	0		
k OnStateDiag Cnt str.Threshold	13000		
k OnStateDiag Cnt str.PStep	26000		
k_OnStateDiag_Ont_str.NStep	4444		
target MtrDrvDiag Per1 MtrDrvrInitStart Cnt Igc.value	1		
target Rte Call Sa MtrDrvDiag FetFlt2Clk OP GET signal	0		
target_Rte_Call_Sa_MtrDrvDiag_NxtrDiagMgr_GetNTCFailed_NTCFailed_Ptr_T_it	1		
target_Rte_Call_Sa_MtrDrvDiag_SystemTime_DtrmnElapsedTime_mS_u16_Elaps			
target Rte Call Sa MtrDrvDiag SystemTime DtrmnElapsedTime uS u16 Elapse			
target_Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_mS_u32_CurrentT			
target_Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32_CurrentTi			
target_Rte_Inst_Sa_MtrDrvDiag.MtrDrvDiag_Per1_FETFaultPhase_Cnt_enum	target_MtrDrvDiag_Per1_FETFaultP	hase Cnt enum	
target Rte Inst Sa MtrDrvDiag.MtrDrvDiag Per1 FETFaultType Cnt enum	target_MtrDrvDiag_Per1_FETFaultT		
target_Rte_Inst_Sa_MtrDrvDiag.MtrDrvDiag_Per1_GateDriveResetActive_Cnt_Igc	target MtrDrvDiag Per1 GateDrivel		
target Rte Inst Sa MtrDrvDiag.MtrDrvDiag Per1 MtrDrvrInitComplete Cnt Igc	target_MtrDrvDiag_Per1_MtrDrvrInit	*	
target_Rte_Inst_Sa_MtrDrvDiag.MtrDrvDiag_Per1_MtrDrvrInitStart_Cnt_Igc	target_MtrDrvDiag_Per1_MtrDrvrInit		
			Danie
Name	Actual Value	Expected Value	Resu
SVDiag_FETFaultPhase_Cnt_M_enum	3	3	
SVDiag_FETFaultType_Cnt_M_enum	0	0	
SVDiag_GateDriveFltAcc_Cnt_M_u16	10000	10000 ± 1	
SVDiag_GenGateDriveFltAcc_Cnt_M_u16	130	130 ± 1	
SVDiag_MtrDrvInitActive_Cnt_M_lgc	1	1	
SVDiag_MtrDrvInitComp_Cnt_M_lgc	1	1	
SVDiag_MtrDrvInitStartTime_mS_M_u32p0	300000	300000 ± 1	
SVDiag_OnStateFltAcc_Cnt_M_u16	9656	9656 ± 1	
SVDiag_ResetWaitLoop_Cnt_M_lgc	0	0	
target_MtrDrvDiag_Per1_FETFaultPhase_Cnt_enum.value	3	3	
target_MtrDrvDiag_Per1_FETFaultType_Cnt_enum.value	0	0	
target_MtrDrvDiag_Per1_GateDriveResetActive_Cnt_lgc.value	0	0	
target_MtrDrvDiag_Per1_MtrDrvrInitComplete_Cnt_lgc.value	1	1	
NTC -	0x4D	0x4D	
Param	0x00	0x00	
Status	0x00	0x00	
NTC	0x4E	0x4E	
Param	0x00	0x00	
Status	0x00	0x00	
NTC	0x4F	0x4F	
		10.00	
Param	0x00 0x00	0x00 0x00	

Test Step Call Trace				✓
Actual Function	Count	Expected Function	Count	Result
Rte_Call_MtrDrvDiag_Per1_CP0_CheckpointReached	1	Rte_Call_MtrDrvDiag_Per1_CP0_CheckpointReached	1	~
Rte_Call_Sa_MtrDrvDiag_FetFlt1Data_OP_GET	1	Rte_Call_Sa_MtrDrvDiag_FetFlt1Data_OP_GET	1	~
Rte_Call_Sa_MtrDrvDiag_FetFlt2Clk_OP_GET	1	Rte_Call_Sa_MtrDrvDiag_FetFlt2Clk_OP_GET	1	~
Rte_Call_Sa_MtrDrvDiag_NxtrDiagMgr_SetNTCStatus	3	Rte_Call_Sa_MtrDrvDiag_NxtrDiagMgr_SetNTCStatus	3	•
Rte_Call_MtrDrvDiag_Per1_CP1_CheckpointReached	1	Rte_Call_MtrDrvDiag_Per1_CP1_CheckpointReached	1	•





Test Step 2.15 (Repeat Count = 1) Name	Input Value		
Rte_Call_Sa_MtrDrvDiag_FetFlt2Clk_OP_GET(signal)	target_Rte_Call_Sa_MtrDrvDiag_Fet	Elt2Clk OP GET signal	
Rte_Call_Sa_MtrDrvDiag_NxtrDiagMgr_GetNTCFailed(NTCFailed_Ptr_T_lgc)		trDiagMgr_GetNTCFailed_NTCFailed_P	tr T lac
Rte Call Sa MtrDrvDiag SystemTime DtrmnElapsedTime mS u16(ElapsedTime		stemTime_DtrmnElapsedTime_mS_u16	
Rte_Call_Sa_MtrDrvDiag_SystemTime_DtrmnElapsedTime_uS_u16(ElapsedTime	, , , , , , , , , , , , , , , , , , , ,	stemTime_DtrmnElapsedTime_uS_u16_	
Rte Call Sa MtrDrvDiag SystemTime GetSystemTime mS u32(CurrentTime)		stemTime GetSystemTime mS u32 Cu	
Rte Call Sa MtrDrvDiag SystemTime GetSystemTime uS u32(CurrentTime)		stemTime_GetSystemTime_uS_u32_Cu	
Rte Inst Sa MtrDrvDiag	target_Rte_Inst_Sa_MtrDrvDiag	565_00.0,0.0	
SVDiag_FETFaultPhase_Cnt_M_enum	0		
SVDiag_FETFaultType_Cnt_M_enum	1		
SVDiag GateDriveFltAcc Cnt M u16	11000		
SVDiag_GenGateDriveFltAcc_Cnt_M_u16	140		
SVDiag MtrDrvInitActive Cnt M lgc	0		
SVDiag_MtrDrvInitComp_Cnt_M_lgc	1		
SVDiag MtrDrvInitStartTime mS M u32p0	400000		
SVDiag OnStateFltAcc Cnt M u16	15100		
SVDiag_ResetWaitLoop_Cnt_M_lgc	0		
k_GateDriveDiag_Cnt_str.Threshold	65000		
k_GateDriveDiag_Cnt_str.PStep	14000		
k_GateDriveDiag_Cnt_str.NStep	65535		
k_OnStateDiag_Cnt_str.Threshold	14000		
k_OnStateDiag_Cnt_str.PStep	27000		
k_OnStateDiag_Cnt_str.NStep	5555		
target_MtrDrvDiag_Per1_MtrDrvrInitStart_Cnt_lgc.value	1		
target_Rte_Call_Sa_MtrDrvDiag_FetFlt2Clk_OP_GET_signal	0		
target_Rte_Call_Sa_MtrDrvDiag_NxtrDiagMgr_GetNTCFailed_NTCFailed_Ptr_T_le	g ₁ 0		
$target_Rte_Call_Sa_MtrDrvDiag_SystemTime_DtrmnElapsedTime_mS_u16_Ela$	se 47000		
target_Rte_Call_Sa_MtrDrvDiag_SystemTime_DtrmnElapsedTime_uS_u16_Elaps	e 2222		
$target_Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_mS_u32_Current Time_mS_u32_Current Time_mS_u32_Current Time_mS_u32_Current Time_mS_u32_Current Time_mS_u32_Current Time_mS_u32_Current Time_mS_u32_Current Time_mS_u32_Current Time_mS_u32_Current Time_mS_u33_Current Time_mS_u33_Cu$	Ті 90000000		
$target_Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32_CurrentTime_uS_u32_CurrentTime_uS_u32_CurrentTime_uS_u32_CurrentTime_uS_u32_CurrentTime_uS_u32_CurrentTime_uS_u332_Current$	ir 1700000		
target_Rte_Inst_Sa_MtrDrvDiag.MtrDrvDiag_Per1_FETFaultPhase_Cnt_enum	target_MtrDrvDiag_Per1_FETFaultPl	hase_Cnt_enum	
target_Rte_Inst_Sa_MtrDrvDiag.MtrDrvDiag_Per1_FETFaultType_Cnt_enum	target_MtrDrvDiag_Per1_FETFaultTy	ype_Cnt_enum	
$target_Rte_Inst_Sa_MtrDrvDiag.MtrDrvDiag_Per1_GateDriveResetActive_Cnt_lgc$	target_MtrDrvDiag_Per1_GateDriveF	ResetActive_Cnt_lgc	
target_Rte_Inst_Sa_MtrDrvDiag.MtrDrvDiag_Per1_MtrDrvrInitComplete_Cnt_Igc	target_MtrDrvDiag_Per1_MtrDrvrInit(Complete_Cnt_lgc	
target_Rte_Inst_Sa_MtrDrvDiag.MtrDrvDiag_Per1_MtrDrvrInitStart_Cnt_lgc	target_MtrDrvDiag_Per1_MtrDrvrInit	Start_Cnt_lgc	
Name	Actual Value	Expected Value	Resu
SVDiag_FETFaultPhase_Cnt_M_enum	0	0	(
SVDiag_FETFaultType_Cnt_M_enum	1	1	
SVDiag_GateDriveFltAcc_Cnt_M_u16	0	0 ± 1	
SVDiag_GenGateDriveFltAcc_Cnt_M_u16	140	140 ± 1	
SVDiag_MtrDrvInitActive_Cnt_M_lgc	0	0	
SVDiag_MtrDrvInitComp_Cnt_M_lgc	1	1	
SVDiag_MtrDrvInitStartTime_mS_M_u32p0	400000	400000 ± 1	
SVDiag_OnStateFltAcc_Cnt_M_u16	9545	9545 ± 1	
SVDiag_ResetWaitLoop_Cnt_M_lgc	0	0	
target_MtrDrvDiag_Per1_FETFaultPhase_Cnt_enum.value	0	0	
target_MtrDrvDiag_Per1_FETFaultType_Cnt_enum.value	1	1	
target_MtrDrvDiag_Per1_GateDriveResetActive_Cnt_lgc.value	0	0	
target_MtrDrvDiag_Per1_MtrDrvrInitComplete_Cnt_lgc.value	1	1	
NTC	0x4D	0x4D	
Param	0x00	0x00	
Status	0x00	0x00	
NTC	0x4E	0x4E	
Param	0x00	0x00	
Status	0x00	0x00	
Status			
NTC Status	0x4F	0x4F	
	0x4F 0x00	0x4F 0x00	

Test Step Call Trace				V
Actual Function	Count	Expected Function	Count	Result
Rte_Call_MtrDrvDiag_Per1_CP0_CheckpointReached	1	Rte_Call_MtrDrvDiag_Per1_CP0_CheckpointReached	1	~
Rte_Call_Sa_MtrDrvDiag_FetFlt1Data_OP_GET	1	Rte_Call_Sa_MtrDrvDiag_FetFlt1Data_OP_GET	1	~
Rte_Call_Sa_MtrDrvDiag_FetFlt2Clk_OP_GET	1	Rte_Call_Sa_MtrDrvDiag_FetFlt2Clk_OP_GET	1	~
Rte_Call_Sa_MtrDrvDiag_NxtrDiagMgr_SetNTCStatus	3	Rte_Call_Sa_MtrDrvDiag_NxtrDiagMgr_SetNTCStatus	3	✓
Pto Call MtrDryDiag Port CP1 ChackpointPeached	1	Pto Call MtrDryDiag Part CP1 ChackpointPeached	1	



Test Step 2.16 (Repeat Count = 1)			~
Name	Input Value		
Rte_Call_Sa_MtrDrvDiag_FetFlt2Clk_OP_GET(signal)	target_Rte_Call_Sa_MtrDrvDiag_FetFlt2Clk_	_OP_GET_signal	
Rte_Call_Sa_MtrDrvDiag_NxtrDiagMgr_GetNTCFailed(NTCFailed_Ptr_T_lgc)	target_Rte_Call_Sa_MtrDrvDiag_NxtrDiagM	gr_GetNTCFailed_NTCFailed_Ptr_T_lgc	
$Rte_Call_Sa_MtrDrvDiag_SystemTime_DtrmnElapsedTime_mS_u16(ElapsedTime)$	target_Rte_Call_Sa_MtrDrvDiag_SystemTim	ne_DtrmnElapsedTime_mS_u16_ElapsedTime	e
$Rte_Call_Sa_MtrDrvDiag_SystemTime_DtrmnElapsedTime_uS_u16 (ElapsedTime)$	target_Rte_Call_Sa_MtrDrvDiag_SystemTim	ne_DtrmnElapsedTime_uS_u16_ElapsedTime	
Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_mS_u32(CurrentTime)	target_Rte_Call_Sa_MtrDrvDiag_SystemTim	ne_GetSystemTime_mS_u32_CurrentTime	
Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32(CurrentTime)	target_Rte_Call_Sa_MtrDrvDiag_SystemTim	ne_GetSystemTime_uS_u32_CurrentTime	
Rte_Inst_Sa_MtrDrvDiag	target_Rte_Inst_Sa_MtrDrvDiag		
SVDiag_FETFaultPhase_Cnt_M_enum	1		
SVDiag_FETFaultType_Cnt_M_enum	1		
SVDiag_GateDriveFltAcc_Cnt_M_u16	12000		
SVDiag_GenGateDriveFltAcc_Cnt_M_u16	150		
SVDiag_MtrDrvInitActive_Cnt_M_lgc	1		
SVDiag_MtrDrvInitComp_Cnt_M_lgc	1		
SVDiag_MtrDrvInitStartTime_mS_M_u32p0	500000		
SVDiag_OnStateFltAcc_Cnt_M_u16	16100		
SVDiag_ResetWaitLoop_Cnt_M_lgc	0		
k_GateDriveDiag_Cnt_str.Threshold	11111		
k_GateDriveDiag_Cnt_str.PStep	15000		
k_GateDriveDiag_Cnt_str.NStep	3000		
k_OnStateDiag_Cnt_str.Threshold	15000		
k_OnStateDiag_Cnt_str.PStep	28000		
k_OnStateDiag_Cnt_str.NStep	6666		
target MtrDrvDiag Per1 MtrDrvrInitStart Cnt lgc.value	1		
target Rte Call Sa MtrDrvDiag FetFlt2Clk OP GET signal	0		
target_Rte_Call_Sa_MtrDrvDiag_NxtrDiagMgr_GetNTCFailed_NTCFailed_Ptr_T_lg	1		
target Rte Call Sa MtrDrvDiag SystemTime DtrmnElapsedTime mS u16 Elapse			
target_Rte_Call_Sa_MtrDrvDiag_SystemTime_DtrmnElapsedTime_uS_u16_Elapse	3333		
target_Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_mS_u32_CurrentTi			
target Rte Call Sa MtrDrvDiag SystemTime GetSystemTime uS u32 CurrentTir			
target_Rte_Inst_Sa_MtrDrvDiag_MtrDrvDiag_Per1_FETFaultPhase_Cnt_enum	target_MtrDrvDiag_Per1_FETFaultPhase_C	nt enum	
target Rte Inst Sa MtrDrvDiag.MtrDrvDiag Per1 FETFaultType Cnt enum	target MtrDrvDiag Per1 FETFaultType Cni	_	
target_Rte_Inst_Sa_MtrDrvDiag.MtrDrvDiag_Per1_GateDriveResetActive_Cnt_lgc	target_MtrDrvDiag_Per1_GateDriveResetAc	_	
target Rte Inst Sa MtrDrvDiag.MtrDrvDiag Per1 MtrDrvrInitComplete Cnt Igc	target MtrDrvDiag Per1 MtrDrvrInitComplet		
target_Rte_Inst_Sa_MtrDrvDiag.MtrDrvDiag_Per1_MtrDrvrInitStart_Cnt_Igc	target_MtrDrvDiag_Per1_MtrDrvrInitStart_Cr		
Name	Actual Value	Expected Value	Result
SVDiag FETFaultPhase Cnt M enum	1	1	Result
SVDiag FETFaultType Cnt M enum	1	1	-
SVDiag GateDriveFltAcc Cnt M u16	9000	9000 ± 1	
	150	150 ± 1	
SVDiag_GenGateDriveFltAcc_Cnt_M_u16	1	1	
SVDiag_MtrDrvInitActive_Cnt_M_lgc	1	1	
SVDiag_MtrDrvInitComp_Cnt_M_lgc		ļ.	
SVDiag_MtrDrvInitStartTime_mS_M_u32p0	500000	500000 ± 1	
SVDiag_OnStateFltAcc_Cnt_M_u16	9434	9434 ± 1	
SVDiag_ResetWaitLoop_Cnt_M_lgc	0	0 1	- 4
target_MtrDrvDiag_Per1_FETFaultPhase_Cnt_enum.value	1	1	J
target_MtrDrvDiag_Per1_FETFaultType_Cnt_enum.value	0	0	-
target_MtrDrvDiag_Per1_GateDriveResetActive_Cnt_lgc.value		l'	Ž
target_MtrDrvDiag_Per1_MtrDrvrInitComplete_Cnt_Igc.value	1 OutD	1 OvdD	
NTC Pages	0x4D	0x4D	
Param	0x00	0x00	
Status	0x00	0x00	•
NTC	0x4E	0x4E	•
Param	0x00	0x00	*
Status	0x00	0x00	•
NTC	0x4F	0x4F	~
	0.00		
Param Status	0x00 0x00	0x00 0x00	*

Test Step Call Trace				✓
Actual Function	Count	Expected Function	Count	Result
Rte_Call_MtrDrvDiag_Per1_CP0_CheckpointReached	1	Rte_Call_MtrDrvDiag_Per1_CP0_CheckpointReached	1	~
Rte_Call_Sa_MtrDrvDiag_FetFlt1Data_OP_GET	1	Rte_Call_Sa_MtrDrvDiag_FetFlt1Data_OP_GET	1	✓
Rte_Call_Sa_MtrDrvDiag_FetFlt2Clk_OP_GET	1	Rte_Call_Sa_MtrDrvDiag_FetFlt2Clk_OP_GET	1	•
Rte_Call_Sa_MtrDrvDiag_NxtrDiagMgr_SetNTCStatus	3	Rte_Call_Sa_MtrDrvDiag_NxtrDiagMgr_SetNTCStatus	3	✓
Rte_Call_MtrDrvDiag_Per1_CP1_CheckpointReached	1	Rte_Call_MtrDrvDiag_Per1_CP1_CheckpointReached	1	•





	Test Step 2.17 (Repeat Count = 1)			~
The Call Sa MithOrDiag Ferrill DCR, OPE CETT (a)pails The Call Sa MithOrDiag Street Prince Cett Cett		Input Value		
Risk Call Sa MithOrolog Noterline Dimelogered mem Str 1966 page 1967 page		•	OP GET signal	
Rispectage Ris				
Risp. Call S.A. MithOrDing. SystemTime_DimmRisperetTime_US_u10_Economismos. Risp. Call S.A. MithOrDing. SystemTime_US_ecityInternit_me_US_u20_Commentmos. Risp. Call S.A. MithOrDing. SystemTime_US_u20_Commentmos. SYDIGGFETTAUMPDIAGE_Chill_Morimos. SYDIGG				2
Rec. Call Sat. MithOnDoian, SystemTime, Cell-SystemTime, List. 243CurrentTime) Rec. Call Sat. MithOnDoian, SystemTime, Cell-SystemTime, List. 243CurrentTime) Rec. List. Sat. MithOnDoian, SystemTime, Cell-SystemTime, List. 243CurrentTime) Rec. List. Sat. MithOnDoian, SystemTime, Cell-SystemTime, List. 243CurrentTime) Strike, Cell Sat. MithOnDoian, SystemTime, Cell-SystemTime, List. 243CurrentTime) Strike, Cell-Sat. MithOnDoian, SystemTime, List. 243CurrentTime, List. 243C				
Record Sa Michorolog SystemTrine_US_u32(CurrentTrine)				
Regines & MichorDiage				
SVDag EFFaulthase Cnt M. union 2			ic_detaystem/ime_uo_uoz_ounem/ime	
SVDag Gallor Place Place C. P. M. unit 1000 1				
SVDiag GardeDiverPlace_Cit M_u16				
SVDiag_AbritOvinitComp_Cnt_M_tgs				
SVDag MifOrvinitative_Cit_M_ligs				
SVDag_MthOrvinticome_Cn_M_tgs				
SVDiag MitDriviniStartTime mS M. U32p0 1000000 10000000 10000000 100000000				
SVDiag OnStateThAcc. Crit M_ u16				
SVDiag ResetValiLoop_Cnt_MI_Treshold 22222 16000				
K_GateDriveDiag_Cnt_str Priseipold K_GateDriveDiag_Cnt_str Priseipol K_Ga				
March Micro Mic	,			
K, OrdstebDag, Cnt, str. Pistep 9999 K, OnStateDag, Cnt, str. Pistep 29000 K, OnStateDag, Cnt, str. Pistep 29000 K, OnStateDag, Cnt, str. Nistep 0 Larget, MitrOvibag, Perf, MitrOviriniStart, Cnt, Igc. value 1 Larget, MitrOvibag, Derf, MitrOvibag, System Time, DimmElapsedTime, m.S. ut 6, Elapse target, RE, Call, Sa, MitrOvibag, System Time, DimmElapsedTime, m.S. ut 6, Elapse target, RE, Call, Sa, MitrOvibag, System Time, Cell-System Time, Sa, ut 7, Elapse target, RE, Call, Sa, MitrOvibag, System Time, GelSystem Time, Bus, ut 2, Current target, RE, Call, Sa, MitrOvibag, System Time, GelSystem Time, Sa, ut 7, Elapse target, RE, Call, Sa, MitrOvibag, System Time, GelSystem Time, Sa, ut 7, Elapse target, RE, Call, Sa, MitrOvibag, MitrOvibag, Perf, EETFaullPhase, Cnt, enum 4444 Larget, RE, Inst, Sa, MitrOvibag, MitrOvibag, Perf, EETFaullPhase, Cnt, enum Larget, MitrOvibag, MitrOvibag, Perf, SateDiveReselActive, Cnt, Igc. Larget, MitrOvibag, Perf, EETFaullPhase, Cnt, enum Larget, MitrOvibag, Perf, EETFaullPhase, Cnt, Igc. Result Value, Ret, Inst, Sa, MitrOvibag, MitrOvibag, Perf, MitrOvirilaComplete, Cnt, Igc. Larget, MitrOvibag, Perf, EETFaullPhase, Cnt, Igc. Result Larget, MitrOvibag, Perf, EETFaullPhase, Cnt, Igc. Result Larget				
k. OnStateDiag Cnt, str.Threshold 160000 k. OnStateDiag, Cnt, str.PSiep 25000 k. OnStateDiag, Cnt, str.PSiep 0 k. OnStateDiag, Cnt, str.PSiep 1 Larget, Rtr.Call, Sa, MitrDr/Diag, Pert LRIZCIK, OP, GET_signal 0 Larget, Rtr.Call, Sa, MitrDr/Diag, NatrDiagMgr_GeINTCFalled, NTCFalled, Ptr.T_lg 0 Larget, Rtr. Call, Sa, MitrDr/Diag, SystemTime DirmnElapsedTime, mS, u16, Elapse strateger, Rtr. Call, Sa, MitrDr/Diag, SystemTime, GetSystemTime, mS, u22, CurrentTire target, Rtr. Call, Sa, MitrDr/Diag, SystemTime, GetSystemTime, mS, u22, CurrentTire target, Rtr. Call, Sa, MitrDr/Diag, SystemTime, GetSystemTime, mS, u22, CurrentTire target, Rtr. Inst. Sa, MitrDr/Diag, MitrDr/Diag, Pert JETETaultPhase, Cnt, enum target, Rtr. Inst. Sa, MitrDr/Diag, MitrDr/Diag, Pert JETETaultPhase, Cnt, enum target, Rtr. Inst. Sa, MitrDr/Diag, MitrDr/Diag, Pert JETETaultPhase, Cnt, enum target, Rtr. Inst. Sa, MitrDr/Diag, MitrDr/Diag, Pert JETETaultPhase, Cnt, enum target, MitrDr/Diag, Pert JETETaultPhase, Cnt, enum 2 2 4				
k, OnStateDiag_Cnt_str.PStep 290000 k, OnStateDiag_Cnt_str.Nstep 0 target_Rttr/DviDiag_Per1_Mtr/DvinisTart_Cnt_igc_value 1 target_Rte_Call_Sa_Mtr/DviDag_Per1_RefrizCik_OP_CET_gignal 0 target_Rte_Call_Sa_Mtr/DviDag_Per1_RefrizCik_OP_CET_gignal 0 target_Rte_Call_Sa_Mtr/DviDiag_SystemTime_Ditrince_InsertTime_us_u16_Elapsed 54000 target_Rte_Call_Sa_Mtr/DviDiag_SystemTime_GetSystemTime_ms_u2_u2_CurrentTi 444444 target_Rte_Call_Sa_Mtr/DviDiag_SystemTime_GetSystemTime_us_u2_u2_CurrentTi 140000000 target_Rte_Loal_Sa_Mtr/DviDiag_Per1_EET_FaultPhase_Cnt_enum 1476_Elap_Inst_Sa_Mtr/DviDiag_Per1_EET_FaultPhase_Cnt_genum 1476_Elap_Inst_Sa_Mtr/DviDiag_Per1_BetTaultPhase_Cnt_genum 1476_Elap_Inst_Sa_Mtr/DviDiag_Per1_BetTaultPhase_Cnt_genum 1476_Elap_Inst_Sa_Mtr/DviDiag_Per1_Mtr/DvinicTomplet_Cnt_ige 1476_Elap_Inst_Sa_Mtr/DviDiag_Per1_Mtr/DvinicTomplet_Cnt_ige 1476_Elap_Inst_Sa_Mtr/DviDiag_Per1_Mtr/DvinicTomplet_Cnt_ige 1476_Elap_Inst_Sa_Mtr/DviDiag_Per1_Mtr/DvinicTomplet_Cnt_ige 1476_Elap_Inst_Sa_Mtr/DviDiag_Per1_Mtr/DvinicTomplet_Cnt_ige 1476_Elap_Inst_Sa_Mtr/DviDiag_Per1_Elap_Inst_Sa_Mtr/DviDiag_Per1_Mtr/DvinicTomplet_Cnt_ige 1476_Elap_Inst_Sa_Mtr/DviDiag_Per1_Mtr/DvinicTomplet_Cnt_ige 1476_Elap_Inst_Sa_Mtr/DviDiag_Per1_Mtr/DvinicTomplet_Cnt_ige 1476_Elap_Inst_Sa_Mtr/DviDiag_Per1_Mtr/DvinicTomplet_Cnt_ige 1476_Elap_Inst_Sa_Mtr/DviDiag_Per1_Mtr/DviDiag_Per1_Mtr/DviDiag_P				
No.				
target_MtrDrvDiag_Perl_MtrDrvriniStart_Cnt_lgc.value 1				
target Rie_Call Sa_MitrDvDiag_FetFl2Cik_OP_GET_signal 1 1 1 1 1 1 1 1 1	,			
target_Ric_Call_Sa_Mitron/Diag_Nsternime_DtrmnElapsedTrime_mS_102_Elapset target_Ric_Call_Sa_Mitron/Diag_Systernime_DtrmnElapsedTrime_uS_101_Elapset target_Ric_Call_Sa_Mitron/Diag_Systernime_DtrmnElapsedTrime_uS_101_Elapset target_Ric_Call_Sa_Mitron/Diag_Systernime_GetSysternime_uS_302_Currentring_target_Ric_Call_Sa_Mitron/Diag_Systernime_GetSysternime_uS_302_Currentringet_Ric_Inst_Sa_Mitron/Diag_Mitron/Diag_Perf_EffFaulthase_Cnt_enum_target_Ric_Inst_Sa_Mitron/Diag_Mitron/Diag_Perf_EffFaulthase_Cnt_enum_target_Ric_Inst_Sa_Mitron/Diag_Mitron/Diag_Perf_EffFaulthyse_Cnt_enum_target_Ric_Inst_Sa_Mitron/Diag_Mitron/Diag_Perf_Mitron/Diron/Diron_Call_got_target_Ric_Inst_Sa_Mitron/Diag_Mitron/Diag_Perf_Mitron/Diron_Call_got_target_Ric_Inst_Sa_Mitron/Diag_Mitron/Diag_Perf_Mitron/Diron_Call_got_target_Ric_Inst_Sa_Mitron/Diag_Mitron/Diag_Perf_Mitron/Diron_Diron_Call_got_target_Ric_Inst_Sa_Mitron/Diag_Mitron/Diag_Perf_Mitron/Diron_Diron_Call_got_target_Ric_Inst_Sa_Mitron/Diag_Mitron/Diag_Perf_Mitron/Diron_Diron_Call_got_target_Ric_Inst_Sa_Mitron/Diag_Mitron/Diag_Perf_Mitron/Diron_Call_got_target_Mitron/Diag_Perf_Mitron/Diag_Mitron/Diag_Mitron/Diag_Mitron/Diag_Mitron/Diag_Mitron/Diag_Mitron/Diag_Mitron/Diag_Mitron/Diag_Mitron/Diag_Mitron/Di				
target Rec Call Sa MtrDrvDiag SystemTime DtrmElapsedTime uS_u16 Elapse starget, Rec Call Sa MtrDrvDiag SystemTime DtrmElapsedTime_uS_u16 Elapse starget, Rec Call Sa MtrDrvDiag SystemTime GetSystemTime_uS_u32_CurrentTr target, Rec Call, Sa MtrDrvDiag SystemTime_GetSystemTime_uS_u32_CurrentTr target, Rel Inst, Sa MtrDrvDiag Pert_EETFaultPhase Cnt_enum target, Rel Inst, Sa MtrDrvDiag Pert_EETFaultPhase Cnt_enum target, Rel Inst, Sa MtrDrvDiag Pert_EETFaultPhase Cnt_enum target, Rel Inst, Sa MtrDrvDiag Pert_McDrvIninComplete_Cnt_got target, McDrvDiag Pert_McDrvInitStartTime_ms_Mcdagot target, Mcdagot target		-		
target_Rie_Call_Sa_MtrDrvDiag_SystemTime_DtmmElapsedTime_uS_u16_Elapse				
Target_Rec_Call_Sa_MrtDrvDiag_SystemTime_GetSystemTime_us_us2_CurrentTire target_Rec_Call_Sa_MrtDrvDiag_SystemTime_GetSystemTime_us_us2_CurrentTire target_Rec_Dat_Sa_MrtDrvDiag_MrtDrvDiag_Pert_FETETaultPhase_Cnt_enum target_Rec_Inst_Sa_MrtDrvDiag_MrtDrvDiag_Pert_FETETaultPhase_Cnt_enum target_Rec_Inst_Sa_MrtDrvDiag_MrtDrvDiag_Pert_MetDrvRiag_Cont_enum target_Rec_Inst_Sa_MrtDrvDiag_MrtDrvDiag_Pert_MetDrvRiag_Cont_enum target_Rec_Inst_Sa_MrtDrvDiag_MrtDrvDiag_Pert_MrtDrvRiag_Cont_enum target_MrtDrvDiag_MrtDrvDiag_Pert_MrtDrvRiag_Cont_enum target_MrtDrvDiag_Pert_MrtDrvRiag_Cont_enum target_MrtDrvRiag_Cont_enum target_MrtDrvRiag_Cont_enum_Value target_MrtDrvRiag_Pert_ErtTraultPhase_Cnt_enum_value target_MrtDrv				
target_Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32_Current target_Rte_Inst_Sa_MtrDrvDiag_MtrDrvDiag_Pert_FETFaulttPhase_Cnt_enum target_Rte_Inst_Sa_MtrDrvDiag_MtrDrvDiag_Pert_FETFaulttPhase_Cnt_enum target_Rte_Inst_Sa_MtrDrvDiag_MtrDrvDiag_Pert_GateDriveResetActive_Cnt_lgot target_Rte_Inst_Sa_MtrDrvDiag_MtrDrvDiag_Pert_MtrDrvrInitComplete_Cnt_lgot target_Rte_Inst_Sa_MtrDrvDiag_MtrDrvDiag_Pert_MtrDrvrInitStart_Cnt_lgot target_Rte_Inst_Sa_MtrDrvDiag_MtrDrvDiag_Pert_MtrDrvrInitStart_Cnt_lgot target_Rte_Inst_Sa_MtrDrvDiag_Pert_MtrDrvrInitStart_Cnt_lgot target_Rte_Inst_Sa_MtrDrvDiag_Pert_MtrDrvrInitStart_Cnt_lgot target_Rte_Inst_Sa_MtrDrvDiag_Pert_MtrDrvrInitStart_Cnt_lgot target_Rte_Inst_Sa_MtrDrvDiag_Pert_MtrDrvrInitStart_Cnt_lgot target_Rte_Inst_Sa_MtrDrvDiag_Pert_MtrDrvrInitStart_Cnt_Renum				
target_Rte_Inst_Sa_MtrDrvDiag_MtrDrvDiag_Per1_FETFaultPhase_Cnt_enum target_Rte_Inst_Sa_MtrDrvDiag_MtrDrvDiag_Per1_FETFaultPpe_Cnt_enum target_Rte_Inst_Sa_MtrDrvDiag_MtrDrvDiag_Per1_FETFaultPpe_Cnt_enum target_Rte_Inst_Sa_MtrDrvDiag_MtrDrvDiag_Per1_MtrDrvTintComplete_Cnt_Ige target_Rte_Inst_Sa_MtrDrvDiag_MtrDrvDiag_Per1_MtrDrvTintComplete_Cnt_Ige target_Rte_Inst_Sa_MtrDrvDiag_MtrDrvDiag_Per1_MtrDrvTintComplete_Cnt_Ige target_MtrDrvDiag_Per1_MtrDrvTintIComplete_Cnt_Ige target_MtrDrvDiag_Per1_MtrDrvTintIComplete_Cnt_Ige target_MtrDrvDiag_Per1_MtrDrvTintIComplete_Cnt_Ige Respected Value Result Name Name Actual Value Expected Value Result Name Result Name Result Name Name <td></td> <td></td> <td></td> <td></td>				
target_Rte_Inst_Sa_MtrDrvDiag_MtrDrvDiag_Per1_FETFaultType_Cnt_enum target_Rte_Inst_Sa_MtrDrvDiag_MtrDrvDiag_Per1_GateDriveResetActive_Cnt_Igotarget_Rte_Inst_Sa_MtrDrvDiag_Per1_MtrDrvInitGmplete_Cnt_Igotarget_Rte_Inst_Sa_MtrDrvDiag_Per1_MtrDrvInitStart_Cnt_Igotarget_Rte_Inst_Sa_MtrDrvDiag_MtrDrvDiag_Per1_MtrDrvInitStart_Cnt_Igotarget_Rte_Inst_Sa_MtrDrvDiag_MtrDrvDiag_Per1_MtrDrvInitStart_Cnt_Igotarget_Rte_Inst_Sa_MtrDrvDiag_MtrDrvDiag_Per1_MtrDrvInitStart_Cnt_Igotarget_MtrDrvDiag_Per1_MtrDrvInitStart_Cnt_Igotarget_MtrDrvDiag_Per1_MtrDrvInitStart_Cnt_Igotarget_MtrDrvDiag_Per1_MtrDrvDiag_Per1_MtrDrvInitStart_Cnt_Igotarget_MtrDrvDiag_Per1_Mt				
target_Rte_Inst_Sa_MtrDrvDiag_MtrDrvDiag_MtrDrvDiag_Perl_GateDriveResetActive_Cnt_Igc target_MtrDrvDiag_Perl_MtrDrvrinitComplete_Cnt_Igc target_MtrDrvDiag_Perl_MtrDrvrinitComplete_Cnt_Igc target_MtrDrvDiag_Perl_MtrDrvrinitComplete_Cnt_Igc target_MtrDrvDiag_Perl_MtrDrvrinitStart_Cnt_Igc target_MtrDrvDiag_Perl_MtrDrvrinitStart_Cnt_Igc target_MtrDrvDiag_Perl_MtrDrvrinitStart_Cnt_Igc Result SVDiag_FETFaultPhase_Cnt_M_enum 2 2 2 <td></td> <td></td> <td>_</td> <td></td>			_	
target_Re_Inst_Sa_MtrDrvDiag_MtrDrvDiag_Per1_MtrDrvInitStart_Cnt_Igc target_MtrDrvDiag_Per1_MtrDrvInitStart_Ugc target_MtrDrvDiag_Rer1_MtrDrvInitStart_Ugc Target_MtrDrvDiag_Rer1_MtrDrvInitStart_Ugc Result Name Actual Value Expected Value Result SVDiag_FETFaultPhase_Cnt_M_enum 0 0 SVDiag_GenGenGateDriveFItAcc_Cnt_M_u16 3001 3001 ± 1 SVDiag_GenGenGateDriveFItAcc_Cnt_M_u16 160 160 ± 1 SVDiag_MtrDrvInitActive_Cnt_M_lgc 0 0 SVDiag_MtrDrvInitComp_Cnt_M_lgc 1 1 SVDiag_MtrDrVInitStartTime_mS_M_u32p0 600000 6000000 ± 1 SVDiag_SestWalitLoop_Cnt_M_lgc 17100 17100 ± 1 SVDiag_Per1_FETFaultPhase_Cnt_enum.value 2 2 target_MtrDrvDiag_Per1_FETFaultPpe_Cnt_enum.value 0 0 target_MtrDrvDiag_Per1_MtrDrvInitComplete_Cnt_lgc.value 0 0 target_MtrDrvDiag_Per1_MtrDrvInitComplete_Cnt_lgc.value 0 VDTQ 0 0				
Itarget_Rte_Inst_Sa_MtrDrvDiag_MtrDrvDiag_Per1_MtrDrvrInitStart_Cnt_Igc target_MtrDrvDiag_Per1_MtrDrvrInitStart_Clt_Usc Name Actual Value Expected Value Result SVDiag_FETFaultPhase_Cnt_Menum 0 0 • SVDiag_GetEDriveFItAcc_Cnt_Menum 3001 3001±1 • SVDiag_GeteDriveFItAcc_Cnt_Menum 160 160±1 • SVDiag_GenGateDriveFItAcc_Cnt_Menum 160 160±1 • SVDiag_MtrDrvInitActive_Cnt_Menum 0 0 • SVDiag_MtrDrvInitComp_Cnt_Menum 1 1 1 SVDiag_MtrDrvInitStartTime_ms_Menum 1 1 1 SVDiag_MtrDrvInitStartTime_ms_Menum 1 1 1 SVDiag_DensetPitAcc_Cnt_Menum 600000 600000 600000±1 • SVDiag_DensetPitAcc_Cnt_Mune 1 17100 17100±1 • SVDiag_ResetWaitLoop_Cnt_Mune 2 2 2 • Value_MtrDrvDiag_Per1_FETFaultPhase_Cnt_enum.value 0 0 0 • target_MtrDrvDiag_Per1_MtrDrvinitComplete_Cnt_lgc.value 0				
Name Actual Value Expected Value Result SVDiag_FETFaultPhase_Cnt_Menum 2 2 4 SVDiag_FETFaultType_Cnt_Menum 0 0 4 SVDiag_GateDriveFltAcc_Cnt_Mu16 3001 3001±1 4 SVDiag_GenGateDriveFltAcc_Cnt_Mu16 160 160±1 4 SVDiag_MtrDrvInitActive_Cnt_Mu16 0 0 4 SVDiag_MtrDrvInitActive_Cnt_Mu16 1 1 4 SVDiag_MtrDrvInitStartTime_mS_Mu32p0 600000 600000±1 4 SVDiag_ResetWaitLoop_Cnt_Mu16 17100 17100±1 4 SVDiag_ResetWaitLoop_Cnt_Mu19c 0 0 4 SVDiag_ResetWaitLoop_Cnt_Mu19c 0 0 4 straget_MtrDrvDiag_Per1_FETFaultPhase_Cnt_enum.value 2 2 4 target_MtrDrvDiag_Per1_FETFaultType_Cnt_enum.value 0 0 4 target_MtrDrvDiag_Per1_MtrDrvInitComplete_Cnt_lgc.value 0 0 4 NTC 0x4D 0x4D 0x4D Param 0x00 0x00				
SVDiag_FETFaultType_Cnt_M_enum 2 2 ✓ SVDiag_GateDriveFItAcc_Cnt_M_enum 0 0 ✓ SVDiag_GateDriveFItAcc_Cnt_M_u16 3001 3001±1 ✓ SVDiag_GenGateDriveFItAcc_Cnt_M_u16 160 160±1 ✓ SVDiag_MtrDrvInitActive_Cnt_M_lgc 0 0 ✓ SVDiag_MtrDrvInitStartTime_mS_M_u32p0 600000 600000 ±1 ✓ SVDiag_OnStateFItAcc_Cnt_M_u16 17100 17100±1 ✓ SVDiag_ResetWaitLoop_Cnt_M_lgc 0 0 0 ✓ SVDiag_ResetWaitLoop_Cnt_M_lgc 2 2 ✓ target_MtrDrvDiag_Per1_FETFaultPhase_Cnt_enum.value 2 2 ✓ target_MtrDrvDiag_Per1_FETFaultType_Cnt_enum.value 0 0 ✓ target_MtrDrvDiag_Per1_MtrDrvInitComplete_Cnt_lgc.value 1 1 ✓ NTC 0x4D 0x4D 0x4D ✓ Param 0x00 0x00 0x00 ✓ NTC 0x4E 0x4E 0x4E ✓ Param	target_Rte_Inst_Sa_MtrDrvDiag.MtrDrvDiag_Per1_MtrDrvrInitStart_Cnt_lgc	target_MtrDrvDiag_Per1_MtrDrvrInitStart_Cr	nt_lgc	
SVDiag_FETFaultType_Cnt_M_enum 0 0 SVDiag_GateDriveFltAcc_Cnt_M_u16 3001 3001±1 SVDiag_GenGateDriveFltAcc_Cnt_M_u16 160 160 ±1 V SVDiag_MtrDrvInitActor_Cnt_M_lgc 0 0 0 V SVDiag_MtrDrvInitComp_Cnt_M_lgc 1 1 1 V SVDiag_MtrDrvInitStartTime_mS_M_u32p0 600000 600000 ±1 V V SVDiag_OstateFltAcc_Cnt_M_u16 17100 17100±1 V V SVDiag_ResetWaitLoop_Cnt_M_lgc 0 0 0 V	Name		•	Result
SVDiag_GateDriveFitAcc_Cnt_M_u16 3001 3001±1 ✓ SVDiag_GenGateDriveFitAcc_Cnt_M_u16 160 160±1 ✓ SVDiag_MtrDr/InitActive_Cnt_M_u16 0 0 ✓ SVDiag_MtrDr/InitActive_Cnt_M_u16 1 1 SVDiag_MtrDr/InitComp_Cnt_M_u16 600000 600000±1 ✓ SVDiag_MtrDr/InitStartTime_mS_M_u32p0 600000 600000±1 ✓ SVDiag_ResetWaitLoop_Cnt_M_u16 17100 17100±1 ✓ SVDiag_ResetWaitLoop_Cnt_M_lgc 0 0 0 ✓ SVDiag_Per1_FETFaultPhase_Cnt_enum.value 2 2 2 ✓ target_MtrDr/Diag_Per1_FETFaultType_Cnt_enum.value 0 0 0 ✓ target_MtrDr/Diag_Per1_GateDriveResetActive_Cnt_lgc.value 0 0 0 ✓ NTC 0x4D 0x4D 0x4D ✓ Param 0x00 0x00 0x00 ✓ NTC 0x4E 0x4E 0x4E Param 0x00 0x00 0x00	SVDiag_FETFaultPhase_Cnt_M_enum	2	2	~
SVDiag_GenGateDriveFitAcc_Cnt_M_u16 160 160 ± 1 ✓ SVDiag_MtrDrvInitActive_Cnt_M_lgc 0 0 ✓ SVDiag_MtrDrvInitStartTime_mS_M_u32p0 600000 600000 ± 1 ✓ SVDiag_OnStateFitAcc_Cnt_M_u16 17100 17100 ± 1 ✓ SVDiag_ResetWaitLoop_Cnt_M_lgc 0 0 0 ✓ SVDiag_Pers_ETFFaultPhase_Cnt_enum.value 2 2 2 ✓ target_MtrDrvDiag_Per1_FETFaultPtype_Cnt_enum.value 0 0 ✓ ✓ target_MtrDrvDiag_Per1_GateDriveResetActive_Cnt_lgc.value 0 0 ✓ ✓ target_MtrDrvDiag_Per1_MtrDrvInitComplete_Cnt_lgc.value 1 1 1 ✓ ✓ NTC 0x4D 0x4D 0x4D ✓ <td>SVDiag_FETFaultType_Cnt_M_enum</td> <td>0</td> <td>0</td> <td>~</td>	SVDiag_FETFaultType_Cnt_M_enum	0	0	~
SVDiag_MtrDrvInitActive_Cnt_M_lgc 0 0 ✓ SVDiag_MtrDrvInitComp_Cnt_M_lgc 1 1 0 ✓ SVDiag_MtrDrvInitStartTime_ms_M_u32p0 600000 600000 ± 1 ✓ ✓ SVDiag_CnStateFltAcc_Cnt_M_u16 17100 17100 ± 1 ✓ ✓ SVDiag_ResetWaitLoop_Cnt_M_lgc 0 0 0 ✓ ✓ target_MtrDrvDiag_Per1_FETFaultPhase_Cnt_enum.value 2 2 2 ✓ ✓ target_MtrDrvDiag_Per1_FETFaultType_Cnt_enum.value 0 0 ✓ ✓ target_MtrDrvDiag_Per1_FETFaultType_Cnt_lgc.value 0 0 ✓ ✓ target_MtrDrvDiag_Per1_MtrDrvInitComplete_Cnt_lgc.value 1 1 1 ✓ ✓ V	SVDiag_GateDriveFltAcc_Cnt_M_u16	3001	3001 ± 1	~
SVDiag_MtrDrvInitComp_Cnt_M]gc 1 1 V SVDiag_MtrDrvInitStartTime_mS_M_u32p0 600000 600000 ± 1 ✓ SVDiag_OnStateFltAcc_Cnt_M_u16 17100 17100 ± 1 ✓ SVDiag_ResetWaitLoop_Cnt_M_lgc 0 0 ✓ target_MtrDrvDiag_Per1_FETFaultPhase_Cnt_enum.value 2 2 2 target_MtrDrvDiag_Per1_FETFaultType_Cnt_enum.value 0 0 ✓ target_MtrDrvDiag_Per1_GateDriveResetActive_Cnt_lgc.value 0 0 ✓ target_MtrDrvDiag_Per1_MtrDrvInitComplete_Cnt_lgc.value 1 1 1 V NTC 0x4D 0x4D 0x4D ✓ Param 0x00 0x00 0x00 ✓ NTC 0x4E 0x4E ✓ Param 0x00 0x00 0x00 ✓ Status 0x00 0x00 0x00 ✓ NTC 0x4F 0x4F ✓ Param 0x00 0x00 0x00 ✓ Status 0x4F	SVDiag_GenGateDriveFltAcc_Cnt_M_u16	160	160 ± 1	~
SVDiag_MtrDrvInitStartTime_mS_M_u32p0 600000 600000 ± 1 ✓ SVDiag_OnStateFltAcc_Cnt_M_u16 17100 17100 ± 1 ✓ SVDiag_ResetWaitLoop_Cnt_M_lgc 0 0 ✓ target_MtrDrvDiag_Per1_FETFaultPhase_Cnt_enum.value 2 2 ✓ target_MtrDrvDiag_Per1_FETFaultType_Cnt_enum.value 0 0 ✓ target_MtrDrvDiag_Per1_GateDriveResetActive_Cnt_lgc.value 0 0 ✓ NTC 0x4D 0x4D 0x4D ✓ Param 0x00 0x00 0x00 ✓ NTC 0x4E 0x4E ✓ Param 0x00 0x00 0x00 ✓ Status 0x00 0x00 0x00 ✓ NTC 0x4E 0x4E ✓ Param 0x00 0x00 0x00 ✓ NTC 0x4F 0x4F ✓ Param 0x00 0x00 0x00 ✓	SVDiag_MtrDrvInitActive_Cnt_M_lgc	0	0	~
SVDiag OnStateFitAcc Cnt_Mu16 17100 17100 ± 1 ✓ SVDiag ResetWaitLoop Cnt_Mugc 0 0 ✓ target_MtrDrvDiag_Per1_FETFaultPhase_Cnt_enum.value 2 2 ✓ target_MtrDrvDiag_Per1_GateDriveResetActive_Cnt_lgc.value 0 0 ✓ target_MtrDrvDiag_Per1_MtrDrvrInitComplete_Cnt_lgc.value 1 1 1 ✓ NTC 0x4D 0x4D 0x4D ✓ Param 0x00 0x00 0x00 ✓ NTC 0x4E 0x4E 0x4E ✓ Param 0x00 0x00 0x00 ✓ Status 0x00 0x00 0x00 ✓ NTC 0x4E 0x4E ✓ Param 0x00 0x00 0x00 ✓ NTC 0x4F 0x4F ✓ Param 0x00 0x00 0x00 ✓	SVDiag_MtrDrvInitComp_Cnt_M_lgc	1	1	~
SVDiag_ResetWaitLoop_Cnt_M_lgc 0 0 ✓ target_MtrDrvDiag_Per1_FETFaultPhase_Cnt_enum.value 2 2 ✓ target_MtrDrvDiag_Per1_FETFaultType_Cnt_enum.value 0 0 ✓ target_MtrDrvDiag_Per1_GateDriveResetActive_Cnt_lgc.value 0 0 ✓ NTC 0x4D 0x4D 0x4D ✓ Param 0x00 0x00 ✓ NTC 0x4E 0x4E ✓ Param 0x00 0x00 ✓ NTC 0x4E 0x4E ✓ Param 0x00 0x00 ✓ Status 0x00 0x00 ✓ NTC 0x4E 0x4E ✓ NTC 0x4F 0x4F ✓ Param 0x00 0x00 ✓	SVDiag_MtrDrvInitStartTime_mS_M_u32p0	600000	600000 ± 1	~
target_MtrDrvDiag_Per1_FETFaultPhase_Cnt_enum.value 2 2 ✓ target_MtrDrvDiag_Per1_FETFaultType_Cnt_enum.value 0 0 ✓ target_MtrDrvDiag_Per1_GateDriveResetActive_Cnt_lgc.value 0 0 ✓ NTC 0x4D 0x4D 0x4D ✓ Param 0x00 0x00 0x00 ✓ NTC 0x4E 0x4E 0x4E ✓ Param 0x00 0x00 0x00 ✓ Status 0x00 0x00 0x00 ✓ NTC 0x4F 0x4F ✓ Param 0x00 0x00 0x00 ✓	SVDiag_OnStateFltAcc_Cnt_M_u16	17100	17100 ± 1	~
target_MtrDrvDiag_Per1_FETFaultType_Cnt_enum.value 0 0 ✓ target_MtrDrvDiag_Per1_GateDriveResetActive_Cnt_lgc.value 0 0 ✓ target_MtrDrvDiag_Per1_MtrDrvrInitComplete_Cnt_lgc.value 1 1 1 ✓ NTC 0x4D 0x4D 0x4D ✓ Param 0x00 0x00 0x00 ✓ NTC 0x4E 0x4E 0x4E ✓ Param 0x00 0x00 0x00 ✓ Status 0x00 0x00 0x00 ✓ NTC 0x4F 0x4F ✓ Param 0x00 0x00 0x00 ✓	SVDiag_ResetWaitLoop_Cnt_M_lgc	0	0	~
target_MtrDrvDiag_Per1_GateDriveResetActive_Cnt_Igc.value 0 0 ✓ target_MtrDrvDiag_Per1_MtrDrvrInitComplete_Cnt_Igc.value 1 1 0 ✓ NTC 0x4D 0x4D 0x4D ✓ Param 0x00 0x00 0x00 ✓ NTC 0x4E 0x4E 0x4E ✓ Param 0x00 0x00 ✓ Status 0x00 0x00 ✓ NTC 0x4F 0x4F ✓ Param 0x00 0x00 ✓	target_MtrDrvDiag_Per1_FETFaultPhase_Cnt_enum.value	2	2	~
target_MtrDrvDiag_Per1_MtrDrvrInitComplete_Cnt_lgc.value 1 1 ✓ NTC 0x4D 0x4D ✓ Param 0x00 0x00 ✓ Status 0x00 0x00 ✓ NTC 0x4E 0x4E ✓ Param 0x00 0x00 ✓ Status 0x00 0x00 ✓ NTC 0x4F 0x4F ✓ Param 0x00 0x00 ✓	target_MtrDrvDiag_Per1_FETFaultType_Cnt_enum.value	0	0	~
NTC 0x4D 0x4D ✓ Param 0x00 0x00 ✓ Status 0x00 0x00 ✓ NTC 0x4E 0x4E ✓ Param 0x00 0x00 ✓ Status 0x00 0x00 ✓ NTC 0x4F 0x4F ✓ Param 0x00 0x00 ✓	target_MtrDrvDiag_Per1_GateDriveResetActive_Cnt_lgc.value	0	0	~
Param 0x00 0x00 ✓ Status 0x00 0x00 ✓ NTC 0x4E 0x4E ✓ Param 0x00 0x00 ✓ Status 0x00 0x00 ✓ NTC 0x4F 0x4F ✓ Param 0x00 0x00 ✓	target_MtrDrvDiag_Per1_MtrDrvrInitComplete_Cnt_lgc.value	1	1	•
Status 0x00 0x00 ✓ NTC 0x4E 0x4E ✓ Param 0x00 0x00 ✓ Status 0x00 0x00 ✓ NTC 0x4F 0x4F ✓ Param 0x00 0x00 ✓	NTC	0x4D	0x4D	~
NTC 0x4E 0x4E ✓ Param 0x00 0x00 ✓ Status 0x00 0x00 ✓ NTC 0x4F 0x4F ✓ Param 0x00 0x00 ✓	Param	0x00	0x00	~
Param 0x00 0x00 ✓ Status 0x00 0x00 ✓ NTC 0x4F 0x4F ✓ Param 0x00 0x00 ✓	Status	0x00	0x00	~
Status 0x00 0x00 ✓ NTC 0x4F 0x4F ✓ Param 0x00 0x00 ✓	NTC	0x4E	0x4E	~
NTC 0x4F 0x4F ✓ Param 0x00 0x00 ✓	Param	0x00	0x00	~
Param 0x00 0x00 ✓	Status	0x00	0x00	~
	NTC	0x4F	0x4F	~
Status 0x00 0x00	Param	0x00	0x00	~
	Status	0x00	0x00	✓

Test Step Call Trace				V
Actual Function	Count	Expected Function	Count	Result
Rte_Call_MtrDrvDiag_Per1_CP0_CheckpointReached	1	Rte_Call_MtrDrvDiag_Per1_CP0_CheckpointReached	1	~
Rte_Call_Sa_MtrDrvDiag_FetFlt1Data_OP_GET	1	Rte_Call_Sa_MtrDrvDiag_FetFlt1Data_OP_GET	1	~
Rte_Call_Sa_MtrDrvDiag_FetFlt2Clk_OP_GET	1	Rte_Call_Sa_MtrDrvDiag_FetFlt2Clk_OP_GET	1	~
Rte_Call_Sa_MtrDrvDiag_NxtrDiagMgr_SetNTCStatus	3	Rte_Call_Sa_MtrDrvDiag_NxtrDiagMgr_SetNTCStatus	3	✓
Pto Call MtrDryDiag Port CP1 ChackpointPeached	1	Pto Call MtrDryDiag Part CP1 ChackpointPeached	1	





Test Step 2.18 (Repeat Count = 1)			✓
Name	Input Value		
Rte_Call_Sa_MtrDrvDiag_FetFlt2Clk_OP_GET(signal)	target_Rte_Call_Sa_MtrDrvDiag_FetFlt2Clk_	OP_GET_signal	
Rte_Call_Sa_MtrDrvDiag_NxtrDiagMgr_GetNTCFailed(NTCFailed_Ptr_T_lgc)	target_Rte_Call_Sa_MtrDrvDiag_NxtrDiagMg	gr_GetNTCFailed_NTCFailed_Ptr_T_lgc	
$Rte_Call_Sa_MtrDrvDiag_SystemTime_DtrmnElapsedTime_mS_u16 (ElapsedTime)$	target_Rte_Call_Sa_MtrDrvDiag_SystemTim	e_DtrmnElapsedTime_mS_u16_ElapsedTime	
$Rte_Call_Sa_MtrDrvDiag_SystemTime_DtrmnElapsedTime_uS_u16 (ElapsedTime)$	target_Rte_Call_Sa_MtrDrvDiag_SystemTim	e_DtrmnElapsedTime_uS_u16_ElapsedTime	
Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_mS_u32(CurrentTime)	target_Rte_Call_Sa_MtrDrvDiag_SystemTim	e_GetSystemTime_mS_u32_CurrentTime	
Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32(CurrentTime)	target_Rte_Call_Sa_MtrDrvDiag_SystemTim	e_GetSystemTime_uS_u32_CurrentTime	
Rte_Inst_Sa_MtrDrvDiag	target_Rte_Inst_Sa_MtrDrvDiag		
SVDiag_FETFaultPhase_Cnt_M_enum	3		
SVDiag_FETFaultType_Cnt_M_enum	2		
SVDiag_GateDriveFltAcc_Cnt_M_u16	14000		
SVDiag_GenGateDriveFltAcc_Cnt_M_u16	170		
SVDiag_MtrDrvInitActive_Cnt_M_lgc	1		
SVDiag_MtrDrvInitComp_Cnt_M_lgc	1		
SVDiag_MtrDrvInitStartTime_mS_M_u32p0	700000		
SVDiag_OnStateFltAcc_Cnt_M_u16	65535		
SVDiag_ResetWaitLoop_Cnt_M_lgc	0		
k_GateDriveDiag_Cnt_str.Threshold	33333		
k_GateDriveDiag_Cnt_str.PStep	17000		
k_GateDriveDiag_Cnt_str.NStep	11110		
k_OnStateDiag_Cnt_str.Threshold	17000		
k_OnStateDiag_Cnt_str.PStep	30000		
k_OnStateDiag_Cnt_str.NStep	65535		
target_MtrDrvDiag_Per1_MtrDrvrInitStart_Cnt_lgc.value	1		
target_Rte_Call_Sa_MtrDrvDiag_FetFlt2Clk_OP_GET_signal	0		
target_Rte_Call_Sa_MtrDrvDiag_NxtrDiagMgr_GetNTCFailed_NTCFailed_Ptr_T_lgr	1		
target_Rte_Call_Sa_MtrDrvDiag_SystemTime_DtrmnElapsedTime_mS_u16_Elapse	56000		
target_Rte_Call_Sa_MtrDrvDiag_SystemTime_DtrmnElapsedTime_uS_u16_Elapse	5555		
target_Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_mS_u32_CurrentTi			
target_Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32_CurrentTir	2000000		
target_Rte_Inst_Sa_MtrDrvDiag.MtrDrvDiag_Per1_FETFaultPhase_Cnt_enum	target_MtrDrvDiag_Per1_FETFaultPhase_Cr	nt_enum	
target_Rte_Inst_Sa_MtrDrvDiag.MtrDrvDiag_Per1_FETFaultType_Cnt_enum	target_MtrDrvDiag_Per1_FETFaultType_Cnt	enum	
target_Rte_Inst_Sa_MtrDrvDiag.MtrDrvDiag_Per1_GateDriveResetActive_Cnt_lgc	target_MtrDrvDiag_Per1_GateDriveResetAct	ive_Cnt_lgc	
target_Rte_Inst_Sa_MtrDrvDiag.MtrDrvDiag_Per1_MtrDrvrInitComplete_Cnt_Igc	target_MtrDrvDiag_Per1_MtrDrvrInitComplet	e_Cnt_lgc	
target_Rte_Inst_Sa_MtrDrvDiag.MtrDrvDiag_Per1_MtrDrvrInitStart_Cnt_lgc	target_MtrDrvDiag_Per1_MtrDrvrInitStart_Cr	t_lgc	
Name	Actual Value	Expected Value	Result
SVDiag FETFaultPhase Cnt M enum	3	3	-
SVDiag FETFaultType Cnt M enum	2	2	-
SVDiag GateDriveFltAcc Cnt M u16	2890	2890 ± 1	-
SVDiag_GenGateDriveFltAcc_Cnt_M_u16	170	170 ± 1	-
	1	1	
SVDiag MtrDrvInitActive Cnt M lgc	1		_
SVDiag_MtrDrvInitActive_Cnt_M_lgc SVDiag_MtrDrvInitComp_Cnt_M_lgc	1	1	_
SVDiag_MtrDrvInitActive_Cnt_M_lgc SVDiag_MtrDrvInitComp_Cnt_M_lgc SVDiag_MtrDrvInitStartTime_mS_M_u32p0			•
SVDiag_MtrDrvInitComp_Cnt_M_Igc	1	1	~
SVDiag_MtrDrvInitComp_Cnt_M_lgc SVDiag_MtrDrvInitStartTime_mS_M_u32p0	1 700000	1 700000 ± 1	~
SVDiag_MtrDrvInitComp_Cnt_M_lgc SVDiag_MtrDrvInitStartTime_mS_M_u32p0 SVDiag_OnStateFltAcc_Cnt_M_u16	1 700000 0	1 700000 ± 1 0 ± 1	
SVDiag_MtrDrvInitComp_Cnt_M_lgc SVDiag_MtrDrvInitStartTime_mS_M_u32p0 SVDiag_OnStateFltAcc_Cnt_M_u16 SVDiag_ResetWaitLoop_Cnt_M_lgc target_MtrDrvDiag_Per1_FETFaultPhase_Cnt_enum.value	1 700000 0 0	1 700000 ± 1 0 ± 1 0	
SVDiag_MtrDrvInitComp_Cnt_M_lgc SVDiag_MtrDrvInitStartTime_mS_M_u32p0 SVDiag_OnStateFltAcc_Cnt_M_u16 SVDiag_ResetWaitLoop_Cnt_M_lgc target_MtrDrvDiag_Per1_FETFaultPhase_Cnt_enum.value target_MtrDrvDiag_Per1_FETFaultType_Cnt_enum.value	1 700000 0 0 3	1 700000 ± 1 0 ± 1 0 3	
SVDiag_MtrDrvInitComp_Cnt_M_lgc SVDiag_MtrDrvInitStartTime_mS_M_u32p0 SVDiag_OnStateFltAcc_Cnt_M_u16 SVDiag_ResetWaitLoop_Cnt_M_lgc target_MtrDrvDiag_Per1_FETFaultPhase_Cnt_enum.value target_MtrDrvDiag_Per1_FETFaultType_Cnt_enum.value target_MtrDrvDiag_Per1_GateDriveResetActive_Cnt_lgc.value	1 700000 0 0 3 2	1 700000 ± 1 0 ± 1 0 3 2	
SVDiag_MtrDrvInitComp_Cnt_M_lgc SVDiag_MtrDrvInitStartTime_mS_M_u32p0 SVDiag_OnStateFltAcc_Cnt_M_u16 SVDiag_ResetWaitLoop_Cnt_M_lgc target_MtrDrvDiag_Per1_FETFaultPhase_Cnt_enum.value target_MtrDrvDiag_Per1_FETFaultType_Cnt_enum.value target_MtrDrvDiag_Per1_GateDriveResetActive_Cnt_lgc.value target_MtrDrvDiag_Per1_MtrDrvrInitComplete_Cnt_lgc.value	1 700000 0 0 3 2	1 700000 ± 1 0 ± 1 0 3 2 0	
SVDiag_MtrDrvInitComp_Cnt_M_lgc SVDiag_MtrDrvInitStartTime_mS_M_u32p0 SVDiag_OnStateFltAcc_Cnt_M_u16 SVDiag_ResetWaitLoop_Cnt_M_lgc target_MtrDrvDiag_Per1_FETFaultPhase_Cnt_enum.value target_MtrDrvDiag_Per1_FETFaultType_Cnt_enum.value target_MtrDrvDiag_Per1_GateDriveResetActive_Cnt_lgc.value target_MtrDrvDiag_Per1_MtrDrvrInitComplete_Cnt_lgc.value NTC	1 700000 0 0 3 2 0 1 0x4D	1 700000 ± 1 0 ± 1 0 3 2 0 1 0x4D	
SVDiag_MtrDrvInitComp_Cnt_M_gc SVDiag_MtrDrvInitStartTime_mS_M_u32p0 SVDiag_OnStateFltAcc_Cnt_M_u16 SVDiag_ResetWaitLoop_Cnt_M_lgc target_MtrDrvDiag_Per1_FETFaultPhase_Cnt_enum.value target_MtrDrvDiag_Per1_FETFaultType_Cnt_enum.value target_MtrDrvDiag_Per1_GateDriveResetActive_Cnt_lgc.value target_MtrDrvDiag_Per1_MtrDrvrInitComplete_Cnt_lgc.value NTC Param	1	1 700000 ± 1 0 ± 1 0 3 2 0 1 1 0x4D 0x00	0
SVDiag_MtrDrvInitComp_Cnt_M_gc SVDiag_MtrDrvInitStartTime_mS_M_u32p0 SVDiag_OnStateFltAcc_Cnt_M_u16 SVDiag_ResetWaitLoop_Cnt_M_lgc target_MtrDrvDiag_Per1_FETFaultPhase_Cnt_enum.value target_MtrDrvDiag_Per1_FETFaultType_Cnt_enum.value target_MtrDrvDiag_Per1_GateDriveResetActive_Cnt_lgc.value target_MtrDrvDiag_Per1_MtrDrvrInitComplete_Cnt_lgc.value NTC Param Status	1 700000 0 0 3 2 0 1 0x4D 0x00 0x00	1 700000 ± 1 0 ± 1 0 3 2 0 1 0x4D 0x00 0x00	0
SVDiag_MtrDrvInitComp_Cnt_M_lgc SVDiag_MtrDrvInitStartTime_mS_M_u32p0 SVDiag_OnStateFltAcc_Cnt_M_u16 SVDiag_ResetWaitLoop_Cnt_M_lgc target_MtrDrvDiag_Per1_FETFaultPhase_Cnt_enum.value target_MtrDrvDiag_Per1_FETFaultType_Cnt_enum.value target_MtrDrvDiag_Per1_GateDriveResetActive_Cnt_lgc.value target_MtrDrvDiag_Per1_MtrDrvrInitComplete_Cnt_lgc.value NTC Param Status NTC	1 700000 0 0 0 3 2 2 0 1 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	1 700000 ± 1 0 ± 1 0 3 2 0 1 0×4D 0×00 0×00 0×0E	
SVDiag_MtrDrvInitComp_Cnt_M_lgc SVDiag_MtrDrvInitStartTime_mS_M_u32p0 SVDiag_OnStateFltAcc_Cnt_M_u16 SVDiag_ResetWaitLoop_Cnt_M_lgc target_MtrDrvDiag_Per1_FETFaultPhase_Cnt_enum.value target_MtrDrvDiag_Per1_FETFaultType_Cnt_enum.value target_MtrDrvDiag_Per1_GateDriveResetActive_Cnt_lgc.value target_MtrDrvDiag_Per1_MtrDrvrInitComplete_Cnt_lgc.value NTC Param Status NTC Param	1 700000 0 0 0 3 2 2 0 1 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	1 700000 ± 1 0 ± 1 0 3 2 0 1 0×4D 0×00 0×00 0×0E	
SVDiag_MtrDrvInitComp_Cnt_M_lgc SVDiag_MtrDrvInitStartTime_mS_M_u32p0 SVDiag_OnStateFltAcc_Cnt_M_u16 SVDiag_ResetWaitLoop_Cnt_M_lgc target_MtrDrvDiag_Per1_FETFaultPhase_Cnt_enum.value target_MtrDrvDiag_Per1_FETFaultType_Cnt_enum.value target_MtrDrvDiag_Per1_GateDriveResetActive_Cnt_lgc.value target_MtrDrvDiag_Per1_MtrDrvrInitComplete_Cnt_lgc.value NTC Param Status NTC Param Status	1	1 700000 ± 1 0 ± 1 0 3 2 0 1 0×4D 0×00 0×00 0×0E 0×00 0×00 0×0E	
SVDiag_MtrDrvInitComp_Cnt_M_lgc SVDiag_MtrDrvInitStartTime_mS_M_u32p0 SVDiag_OnStateFltAcc_Cnt_M_u16 SVDiag_ResetWaitLoop_Cnt_M_lgc target_MtrDrvDiag_Per1_FETFaultPhase_Cnt_enum.value target_MtrDrvDiag_Per1_FETFaultType_Cnt_enum.value target_MtrDrvDiag_Per1_GateDriveResetActive_Cnt_lgc.value target_MtrDrvDiag_Per1_MtrDrvrInitComplete_Cnt_lgc.value NTC Param Status NTC Param	1 700000 0 0 0 3 2 2 0 1 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	1 700000 ± 1 0 ± 1 0 3 2 0 1 0×4D 0×00 0×00 0×0E	

Test Step Call Trace						
Actual Function	Count	Expected Function	Count	Result		
Rte_Call_MtrDrvDiag_Per1_CP0_CheckpointReached	1	Rte_Call_MtrDrvDiag_Per1_CP0_CheckpointReached	1	~		
Rte_Call_Sa_MtrDrvDiag_FetFlt1Data_OP_GET	1	Rte_Call_Sa_MtrDrvDiag_FetFlt1Data_OP_GET	1	~		
Rte_Call_Sa_MtrDrvDiag_FetFlt2Clk_OP_GET	1	Rte_Call_Sa_MtrDrvDiag_FetFlt2Clk_OP_GET	1	~		
Rte_Call_Sa_MtrDrvDiag_NxtrDiagMgr_SetNTCStatus	3	Rte_Call_Sa_MtrDrvDiag_NxtrDiagMgr_SetNTCStatus	3	•		
Rte_Call_MtrDrvDiag_Per1_CP1_CheckpointReached	1	Rte_Call_MtrDrvDiag_Per1_CP1_CheckpointReached	1	•		



Test Step 2.19 (Repeat Count = 1) Name	Input Value		
Rte_Call_Sa_MtrDrvDiag_FetFlt2Clk_OP_GET(signal)	target_Rte_Call_Sa_MtrDrvDiag_FetFl	t2Clk OP GET signal	
Rte_Call_Sa_MtrDrvDiag_NxtrDiagMgr_GetNTCFailed(NTCFailed_Ptr_T_lgc)		lzClk_OP_GE1_signal)iagMgr_GetNTCFailed_NTCFailed_Ptr_T	lac
Rte Call Sa MtrDrvDiag SystemTime DtrmnElapsedTime mS u16(ElapsedTime		mTime_DtrmnElapsedTime_mS_u16_Ela	
Rte_Call_Sa_MtrDrvDiag_SystemTime_DtrmnElapsedTime_uS_u16(ElapsedTime_	, , , , , , , , , , , , , , , , , , , ,	emTime_DtrmnElapsedTime_uS_u16_Elap	
Rte Call Sa MtrDrvDiag SystemTime GetSystemTime mS u32(CurrentTime)		emTime_DtiminEtapsedTime_u3_u10_EtapsedTime	
Rte Call Sa MtrDrvDiag SystemTime GetSystemTime us u32(CurrentTime)		emTime_GetSystemTime_uS_u32_Curren	
Rte Inst Sa MtrDrvDiag	target_Rte_Inst_Sa_MtrDrvDiag	minine_GetGystemrine_uG_uG2_Gunen	triine
SVDiag_FETFaultPhase_Cnt_M_enum	2		
SVDiag_FETFaultType_Cnt_M_enum	2		
SVDiag GateDriveFltAcc Cnt M u16	15000		
SVDiag_GenGateDriveFltAcc_Cnt_M_u16	180		
SVDiag MtrDrvInitActive Cnt M lgc	0		
SVDiag_MtrDrvInitComp_Cnt_M_lgc	1		
SVDiag MtrDrvInitStartTime mS M u32p0	800000		
SVDiag OnStateFltAcc Cnt M u16	19100		
SVDiag ResetWaitLoop Cnt M Igc	0		
k_GateDriveDiag_Cnt_str.Threshold	44444		
k_GateDriveDiag_Cnt_str.PStep	18000		
k GateDriveDiag Cnt str.NStep	12221		
k_GateDriveDiag_Crit_str.Nstep	18000		
k OnStateDiag Cnt str.PStep	31000		
k_OnStateDiag_Cnt_str.NStep	3000		
	1		
target_MtrDrvDiag_Per1_MtrDrvInitStart_Cnt_lgc.value	0		
target_Rte_Call_Sa_MtrDrvDiag_FetFlt2Clk_OP_GET_signal target_Rte_Call_Sa_MtrDrvDiag_NxtrDiagMgr_GetNTCFailed_NTCFailed_Ptr_T_I	1		
target_Rte_Call_Sa_MtrDrvDiag_SystemTime_DtrmnElapsedTime_mS_u16_Elaps			
target_Rte_Call_Sa_MtrDrvDiag_SystemTime_btrmnElapsedTime_inS_u10_Elapsetarget Rte Call Sa MtrDrvDiag SystemTime DtrmnElapsedTime uS u16 Elaps			
target_Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_mS_u32_Current			
target_Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32_CurrentT		an Cat onum	
target_Rte_Inst_Sa_MtrDrvDiag.MtrDrvDiag_Per1_FETFaultPhase_Cnt_enum	target_MtrDrvDiag_Per1_FETFaultPha		
target_Rte_Inst_Sa_MtrDrvDiag.MtrDrvDiag_Per1_FETFaultType_Cnt_enum	target_MtrDrvDiag_Per1_FETFaultTyp		
target_Rte_Inst_Sa_MtrDrvDiag.MtrDrvDiag_Per1_GateDriveResetActive_Cnt_Igc			
target_Rte_Inst_Sa_MtrDrvDiag.MtrDrvDiag_Per1_MtrDrvrInitComplete_Cnt_Igc	target_MtrDrvDiag_Per1_MtrDrvrInitCo		
target_Rte_Inst_Sa_MtrDrvDiag.MtrDrvDiag_Per1_MtrDrvrInitStart_Cnt_lgc	target_MtrDrvDiag_Per1_MtrDrvrInitSta		
Name	Actual Value	Expected Value	Resu
SVDiag_FETFaultPhase_Cnt_M_enum	2	2	
SVDiag_FETFaultType_Cnt_M_enum	2	2	
SVDiag_GateDriveFltAcc_Cnt_M_u16	2779	2779 ± 1	
SVDiag_GenGateDriveFltAcc_Cnt_M_u16	180	180 ± 1	
SVDiag_MtrDrvInitActive_Cnt_M_lgc	0	0	
SVDiag_MtrDrvInitComp_Cnt_M_lgc	1	1	
SVDiag_MtrDrvInitStartTime_mS_M_u32p0	800000	800000 ± 1	
SVDiag_OnStateFltAcc_Cnt_M_u16	16100	16100 ± 1	•
SVDiag_ResetWaitLoop_Cnt_M_lgc	0	0	,
target_MtrDrvDiag_Per1_FETFaultPhase_Cnt_enum.value	2	2	
target_MtrDrvDiag_Per1_FETFaultType_Cnt_enum.value	2	2	
target_MtrDrvDiag_Per1_GateDriveResetActive_Cnt_lgc.value	0	0	
target_MtrDrvDiag_Per1_MtrDrvrInitComplete_Cnt_lgc.value	1	1	
NTC	0x4D	0x4D	
Param	0x00	0x00	
Status	0x00	0x00	
	0x4E	0x4E	
NTC		0x00	
NTC Param	0x00	OXOO	
	0x00 0x00	0x00	
Param			
Param Status	0x00	0x00	

Test Step Call Trace ✓							
Actual Function	Count	Expected Function	Count	Result			
Rte_Call_MtrDrvDiag_Per1_CP0_CheckpointReached	1	Rte_Call_MtrDrvDiag_Per1_CP0_CheckpointReached	1	~			
Rte_Call_Sa_MtrDrvDiag_FetFlt1Data_OP_GET	1	Rte_Call_Sa_MtrDrvDiag_FetFlt1Data_OP_GET	1	~			
Rte_Call_Sa_MtrDrvDiag_FetFlt2Clk_OP_GET	1	Rte_Call_Sa_MtrDrvDiag_FetFlt2Clk_OP_GET	1	~			
Rte_Call_Sa_MtrDrvDiag_NxtrDiagMgr_SetNTCStatus	3	Rte_Call_Sa_MtrDrvDiag_NxtrDiagMgr_SetNTCStatus	3	✓			
Pte Call MtrDryDiag Per1 CP1 ChecknointReached	1	Pte Call MtrDn/Diag Per1 CP1 ChecknointReached	1	-			





Test Step 2.20 (Repeat Count = 1)			✓
Name	Input Value		
Rte_Call_Sa_MtrDrvDiag_FetFlt2Clk_OP_GET(signal)	target_Rte_Call_Sa_MtrDrvDiag_FetFlt2Clk_	OP GET signal	
Rte_Call_Sa_MtrDrvDiag_NxtrDiagMgr_GetNTCFailed(NTCFailed_Ptr_T_lgc)	target_Rte_Call_Sa_MtrDrvDiag_NxtrDiagMg		
Rte_Call_Sa_MtrDrvDiag_SystemTime_DtrmnElapsedTime_mS_u16(ElapsedTime)		e_DtrmnElapsedTime_mS_u16_ElapsedTime	
Rte Call Sa MtrDrvDiag SystemTime DtrmnElapsedTime uS u16(ElapsedTime)		e_DtrmnElapsedTime_uS_u16_ElapsedTime	
Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_mS_u32(CurrentTime)	target Rte Call Sa MtrDrvDiag SystemTim		
Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32(CurrentTime)	target_Rte_Call_Sa_MtrDrvDiag_SystemTim		
Rte Inst Sa MtrDrvDiag	target_Rte_Inst_Sa_MtrDrvDiag		
SVDiag FETFaultPhase Cnt M enum	1		
SVDiag FETFaultType Cnt M enum	2		
SVDiag_GateDriveFltAcc_Cnt_M_u16	16000		
SVDiag GenGateDriveFltAcc Cnt M u16	190		
SVDiag_MtrDrvInitActive_Cnt_M_lgc	1		
SVDiag MtrDrvInitComp Cnt M Igc	1		
SVDiag_MtrDrvInitStartTime_mS_M_u32p0	900000		
SVDiag OnStateFitAcc Cnt M u16	20100		
SVDiag_ResetWaitLoop_Cnt_M_lgc	0		
k_GateDriveDiag_Cnt_str.Threshold	55555		
k_GateDriveDiag_Cnt_str.PStep	19000		
k_GateDriveDiag_Cnt_str.NStep	13332		
k_OnStateDiag_Cnt_str.Threshold	19000		
k_OnStateDiag_Cnt_str.PStep	32000		
k_OnStateDiag_Cnt_str.NStep target MtrDrvDiag Per1 MtrDrvrInitStart Cnt lgc.value	11110		
	1		
target_Rte_Call_Sa_MtrDrvDiag_FetFlt2Clk_OP_GET_signal			
target_Rte_Call_Sa_MtrDrvDiag_NxtrDiagMgr_GetNTCFailed_NTCFailed_Ptr_T_lgr target_Rte_Call_Sa_MtrDrvDiag_SystemTime_DtrmnElapsedTime_mS_u16_Elapset_			
target_Rte_Call_Sa_MtrDrvDiag_SystemTime_DtrmnElapsedTime_uS_u16_Elapse			
target_Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_mS_u32_CurrentTi			
target_Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32_CurrentTir			
target_Rte_Inst_Sa_MtrDrvDiag.MtrDrvDiag_Per1_FETFaultPhase_Cnt_enum	target_MtrDrvDiag_Per1_FETFaultPhase_Cr	_	
target_Rte_Inst_Sa_MtrDrvDiag.MtrDrvDiag_Per1_FETFaultType_Cnt_enum	target_MtrDrvDiag_Per1_FETFaultType_Cnt		
target_Rte_Inst_Sa_MtrDrvDiag.MtrDrvDiag_Per1_GateDriveResetActive_Cnt_Igc	target_MtrDrvDiag_Per1_GateDriveResetAct		
target_Rte_Inst_Sa_MtrDrvDiag.MtrDrvDiag_Per1_MtrDrvrInitComplete_Cnt_Igc	target_MtrDrvDiag_Per1_MtrDrvrInitComplete		
target_Rte_Inst_Sa_MtrDrvDiag.MtrDrvDiag_Per1_MtrDrvrInitStart_Cnt_lgc	target_MtrDrvDiag_Per1_MtrDrvrInitStart_Cn		
Name	Actual Value	Expected Value	Result
SVDiag_FETFaultPhase_Cnt_M_enum	3	3	~
SVDiag_FETFaultType_Cnt_M_enum	2	2	•
SVDiag_GateDriveFltAcc_Cnt_M_u16	16000	16000 ± 1	~
SVDiag_GenGateDriveFltAcc_Cnt_M_u16	190	190 ± 1	~
SVDiag_MtrDrvInitActive_Cnt_M_lgc	1	1	~
SVDiag_MtrDrvInitComp_Cnt_M_lgc	1	1	•
SVDiag_MtrDrvInitStartTime_mS_M_u32p0	900000	900000 ± 1	~
SVDiag_OnStateFltAcc_Cnt_M_u16	19000	19000 ± 1	•
SVDiag_ResetWaitLoop_Cnt_M_lgc	0	0	~
target_MtrDrvDiag_Per1_FETFaultPhase_Cnt_enum.value	3	3	~
target_MtrDrvDiag_Per1_FETFaultType_Cnt_enum.value	2	2	~
target_MtrDrvDiag_Per1_GateDriveResetActive_Cnt_lgc.value	1	1	~
target_MtrDrvDiag_Per1_MtrDrvrInitComplete_Cnt_lgc.value	1	1	~
NTC	0x4C	0x4C	~
Param	0x01	0x01	~
Status	0x01	0x01	~

MtrDrvDiag_Per1

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Actual Function		Expected Function		Result
Rte_Call_MtrDrvDiag_Per1_CP0_CheckpointReached	1	Rte_Call_MtrDrvDiag_Per1_CP0_CheckpointReached	1	~
Rte_Call_Sa_MtrDrvDiag_FetFlt1Data_OP_GET	1	Rte_Call_Sa_MtrDrvDiag_FetFlt1Data_OP_GET	1	V
Rte_Call_Sa_MtrDrvDiag_FetFlt2Clk_OP_GET	1	Rte_Call_Sa_MtrDrvDiag_FetFlt2Clk_OP_GET	1	~
Rte_Call_Sa_MtrDrvDiag_NxtrDiagMgr_SetNTCStatus	1	Rte_Call_Sa_MtrDrvDiag_NxtrDiagMgr_SetNTCStatus	1	V
ProcBridgeFit Pto Coll So MtrDr/Diog NytrDiogMar CotNTCEpilod	1	ProcBridgeFlt Rte Call Sa MtrDrvDiag NxtrDiagMgr GetNTCFailed	1	~
Rte_Call_Sa_MtrDrvDiag_NxtrDiagMgr_GetNTCFailed ReadMtrDrvFltData	1	ReadMtrDrvFltData	1	Ž
Rte_Call_Sa_MtrDrvDiag_loHwAbPortConfig_SetFetFlt2ToOutput	1	Rte_Call_Sa_MtrDrvDiag_loHwAbPortConfig_SetFetFlt2ToOutput	1	~
Rte Call Sa MtrDrvDiag FetFlt2Clk OP SET	1	Rte_Call_Sa_MtrDrvDiag_FetFlt2Clk_OP_SET	1	
GateDrvWaitTime	1	GateDrvWaitTime	1	
Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32	1	Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32	1	
Rte_Call_Sa_MtrDrvDiag_SystemTime_DtrmnElapsedTime_uS_u16	1	Rte Call Sa MtrDrvDiag SystemTime DtrmnElapsedTime uS u16	1	~
Rte_Call_Sa_MtrDrvDiag_FetFlt1Data_OP_GET	1	Rte Call Sa MtrDrvDiag FetFlt1Data OP GET	1	_
Rte_Call_Sa_MtrDrvDiag_FetFlt2Clk_OP_SET	1	Rte_Call_Sa_MtrDrvDiag_FetFlt2Clk_OP_SET	1	~
GateDrvWaitTime	1	GateDrvWaitTime	1	_
Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32	1	Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32	1	~
Rte_Call_Sa_MtrDrvDiag_SystemTime_DtrmnElapsedTime_uS_u16	1	Rte_Call_Sa_MtrDrvDiag_SystemTime_DtrmnElapsedTime_uS_u16	1	~
Rte_Call_Sa_MtrDrvDiag_FetFlt2Clk_OP_SET	1	Rte_Call_Sa_MtrDrvDiag_FetFlt2Clk_OP_SET	1	~
GateDrvWaitTime	1	GateDrvWaitTime	1	~
Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32	1	Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32	1	~
Rte_Call_Sa_MtrDrvDiag_SystemTime_DtrmnElapsedTime_uS_u16	1	Rte_Call_Sa_MtrDrvDiag_SystemTime_DtrmnElapsedTime_uS_u16	1	~
Rte_Call_Sa_MtrDrvDiag_FetFlt1Data_OP_GET	1	Rte_Call_Sa_MtrDrvDiag_FetFlt1Data_OP_GET	1	•
Rte_Call_Sa_MtrDrvDiag_FetFlt2Clk_OP_SET	1	Rte_Call_Sa_MtrDrvDiag_FetFlt2Clk_OP_SET	1	~
GateDrvWaitTime	1	GateDrvWaitTime	1	~
Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32	1	Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32	1	~
Rte_Call_Sa_MtrDrvDiag_SystemTime_DtrmnElapsedTime_uS_u16	1	Rte_Call_Sa_MtrDrvDiag_SystemTime_DtrmnElapsedTime_uS_u16	1	~
Rte_Call_Sa_MtrDrvDiag_FetFlt2Clk_OP_SET	1	Rte_Call_Sa_MtrDrvDiag_FetFlt2Clk_OP_SET	1	~
GateDrvWaitTime	1	GateDrvWaitTime	1	~
Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32	1	Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32	1	~
Rte_Call_Sa_MtrDrvDiag_SystemTime_DtrmnElapsedTime_uS_u16	1	Rte_Call_Sa_MtrDrvDiag_SystemTime_DtrmnElapsedTime_uS_u16	1	~
Rte_Call_Sa_MtrDrvDiag_FetFlt1Data_OP_GET	1	Rte_Call_Sa_MtrDrvDiag_FetFlt1Data_OP_GET	1	•
Rte_Call_Sa_MtrDrvDiag_FetFlt2Clk_OP_SET	1	Rte_Call_Sa_MtrDrvDiag_FetFlt2Clk_OP_SET	1	V
GateDrvWaitTime	1	GateDrvWaitTime	1	•
Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32	1	Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32	1	•
Rte_Call_Sa_MtrDrvDiag_SystemTime_DtrmnElapsedTime_uS_u16 Rte_Call_Sa_MtrDrvDiag_FetFlt2Clk_OP_SET	1	Rte_Call_Sa_MtrDrvDiag_SystemTime_DtrmnElapsedTime_uS_u16 Rte_Call_Sa_MtrDrvDiag_FetFlt2Clk_OP_SET	1	~
GateDryWaitTime	1	GateDrvWaitTime	1	
Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32	1	Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32	1	~
Rte Call Sa MtrDrvDiag SystemTime DtrmnElapsedTime uS u16	1	Rte_Call_Sa_MtrDrvDiag_SystemTime_DtrmnElapsedTime_uS_u16	1	
Rte_Call_Sa_MtrDrvDiag_FetFlt1Data_OP_GET	1	Rte_Call_Sa_MtrDrvDiag_FetFlt1Data_OP_GET	1	~
Rte Call Sa MtrDrvDiag FetFlt2Clk OP SET	1	Rte_Call_Sa_MtrDrvDiag_FetFlt2Clk_OP_SET	1	_
GateDrvWaitTime	1	GateDrvWaitTime	1	✓
Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32	1	Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32	1	~
Rte_Call_Sa_MtrDrvDiag_SystemTime_DtrmnElapsedTime_uS_u16	1	Rte_Call_Sa_MtrDrvDiag_SystemTime_DtrmnElapsedTime_uS_u16	1	•
Rte_Call_Sa_MtrDrvDiag_FetFlt2Clk_OP_SET	1	Rte_Call_Sa_MtrDrvDiag_FetFlt2Clk_OP_SET	1	~
GateDrvWaitTime	1	GateDrvWaitTime	1	~
Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32	1	Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32	1	~
Rte_Call_Sa_MtrDrvDiag_SystemTime_DtrmnElapsedTime_uS_u16	1	Rte_Call_Sa_MtrDrvDiag_SystemTime_DtrmnElapsedTime_uS_u16	1	•
Rte_Call_Sa_MtrDrvDiag_FetFlt1Data_OP_GET	1	Rte_Call_Sa_MtrDrvDiag_FetFlt1Data_OP_GET	1	•
Rte_Call_Sa_MtrDrvDiag_FetFlt2Clk_OP_SET	1	Rte_Call_Sa_MtrDrvDiag_FetFlt2Clk_OP_SET	1	•
GateDrvWaitTime	1	GateDrvWaitTime	1	~
Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32	1	Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32	1	~
Rte_Call_Sa_MtrDrvDiag_SystemTime_DtrmnElapsedTime_uS_u16	1	Rte_Call_Sa_MtrDrvDiag_SystemTime_DtrmnElapsedTime_uS_u16	1	~
Rte_Call_Sa_MtrDrvDiag_FetFlt2Clk_OP_SET	1	Rte_Call_Sa_MtrDrvDiag_FetFlt2Clk_OP_SET	1	~
GateDrvWaitTime	1	GateDrvWaitTime	1	~
Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32	1	Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32	1	~
Rte_Call_Sa_MtrDrvDiag_SystemTime_DtrmnElapsedTime_uS_u16	1	Rte_Call_Sa_MtrDrvDiag_SystemTime_DtrmnElapsedTime_uS_u16	1	~
Rte_Call_Sa_MtrDrvDiag_FetFlt1Data_OP_GET	1	Rte_Call_Sa_MtrDrvDiag_FetFlt1Data_OP_GET	1	~
Rte_Call_Sa_MtrDrvDiag_FetFlt2Clk_OP_SET	1	Rte_Call_Sa_MtrDrvDiag_FetFlt2Clk_OP_SET	1	•
GateDrvWaitTime	1	GateDrvWaitTime	1	V
Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32	1	Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32	1	· ·
Rte_Call_Sa_MtrDrvDiag_SystemTime_DtrmnElapsedTime_uS_u16	1	Rte_Call_Sa_MtrDrvDiag_SystemTime_DtrmnElapsedTime_uS_u16	1	V
Rte_Call_Sa_MtrDrvDiag_FetFlt2Clk_OP_SET	1	Rte_Call_Sa_MtrDrvDiag_FetFlt2Clk_OP_SET	1	•
GateDrvWaitTime Pto Coll So MtrDrvDiog SystemTime CotSystemTime us us use	1	GateDrvWaitTime	1	•
Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32	1	Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32	1	~
Rte_Call_Sa_MtrDrvDiag_SystemTime_DtrmnElapsedTime_uS_u16	1	Rte_Call_Sa_MtrDrvDiag_SystemTime_DtrmnElapsedTime_uS_u16	1	· ·
Rte_Call_Sa_MtrDrvDiag_FetFlt1Data_OP_GET	1	Rte_Call_Sa_MtrDrvDiag_FetFlt1Data_OP_GET	1	~
Rte_Call_Sa_MtrDrvDiag_FetFlt2Clk_OP_SET	1	Rte_Call_Sa_MtrDrvDiag_FetFlt2Clk_OP_SET GateDrvWaitTime	1	~
GateDryWaitTime	1	OdioDivvvaitiiiic		
GateDrvWaitTime Rte Call Sa MtrDrvDiag SystemTime GetSystemTime uS u32	1	Rte Call Sa MtrDryDiag SystemTime GetSystemTime us us2	1	
Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32	1	Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32 Rte_Call_Sa_MtrDrvDiag_SystemTime_DtrmnFlansedTime_uS_u16	1	~
	1 1 1	Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32 Rte_Call_Sa_MtrDrvDiag_SystemTime_DtrmnElapsedTime_uS_u16 Rte_Call_Sa_MtrDrvDiag_FetFlt2Clk_OP_SET	1 1	~

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Actual Function	Count	Expected Function	Count	Result
Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32	1	Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32	1	•
Rte_Call_Sa_MtrDrvDiag_SystemTime_DtrmnElapsedTime_uS_u16	1	Rte_Call_Sa_MtrDrvDiag_SystemTime_DtrmnElapsedTime_uS_u16	1	~
Rte_Call_Sa_MtrDrvDiag_FetFlt1Data_OP_GET	1	Rte_Call_Sa_MtrDrvDiag_FetFlt1Data_OP_GET	1	✓
Rte_Call_Sa_MtrDrvDiag_FetFlt2Clk_OP_SET	1	Rte_Call_Sa_MtrDrvDiag_FetFlt2Clk_OP_SET	1	~
GateDrvWaitTime	1	GateDrvWaitTime	1	✓
Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32	1	Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32	1	~
Rte_Call_Sa_MtrDrvDiag_SystemTime_DtrmnElapsedTime_uS_u16	1	Rte_Call_Sa_MtrDrvDiag_SystemTime_DtrmnElapsedTime_uS_u16	1	~
Rte_Call_Sa_MtrDrvDiag_FetFlt2Clk_OP_SET	1	Rte_Call_Sa_MtrDrvDiag_FetFlt2Clk_OP_SET	1	~
GateDrvWaitTime	1	GateDrvWaitTime	1	~
Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32	1	Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32	1	~
Rte_Call_Sa_MtrDrvDiag_SystemTime_DtrmnElapsedTime_uS_u16	1	Rte_Call_Sa_MtrDrvDiag_SystemTime_DtrmnElapsedTime_uS_u16	1	~
Rte_Call_Sa_MtrDrvDiag_FetFlt1Data_OP_GET	1	Rte_Call_Sa_MtrDrvDiag_FetFlt1Data_OP_GET	1	~
Rte_Call_Sa_MtrDrvDiag_FetFlt2Clk_OP_SET	1	Rte_Call_Sa_MtrDrvDiag_FetFlt2Clk_OP_SET	1	•
GateDrvWaitTime	1	GateDrvWaitTime	1	~
Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32	1	Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32	1	•
Rte_Call_Sa_MtrDrvDiag_SystemTime_DtrmnElapsedTime_uS_u16	1	Rte_Call_Sa_MtrDrvDiag_SystemTime_DtrmnElapsedTime_uS_u16	1	~
Rte_Call_Sa_MtrDrvDiag_FetFlt2Clk_OP_SET	1	Rte_Call_Sa_MtrDrvDiag_FetFlt2Clk_OP_SET	1	•
GateDrvWaitTime	1	GateDrvWaitTime	1	~
Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32	1	Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32	1	•
Rte_Call_Sa_MtrDrvDiag_SystemTime_DtrmnElapsedTime_uS_u16	1	Rte_Call_Sa_MtrDrvDiag_SystemTime_DtrmnElapsedTime_uS_u16	1	•
Rte_Call_Sa_MtrDrvDiag_FetFlt1Data_OP_GET	1	Rte_Call_Sa_MtrDrvDiag_FetFlt1Data_OP_GET	1	•
Rte_Call_Sa_MtrDrvDiag_FetFlt2Clk_OP_SET	1	Rte_Call_Sa_MtrDrvDiag_FetFlt2Clk_OP_SET	1	•
GateDrvWaitTime	1	GateDrvWaitTime	1	•
Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32	1	Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32	1	•
Rte_Call_Sa_MtrDrvDiag_SystemTime_DtrmnElapsedTime_uS_u16	1	Rte_Call_Sa_MtrDrvDiag_SystemTime_DtrmnElapsedTime_uS_u16	1	~
Rte_Call_Sa_MtrDrvDiag_IoHwAbPortConfig_SetFetFlt2ToOutput	1	Rte_Call_Sa_MtrDrvDiag_IoHwAbPortConfig_SetFetFlt2ToOutput	1	~
Rte_Call_Sa_MtrDrvDiag_NxtrDiagMgr_SetNTCStatus	1	Rte_Call_Sa_MtrDrvDiag_NxtrDiagMgr_SetNTCStatus	1	~
ResetGateDrive	1	ResetGateDrive	1	~
SuspendAllInterrupts	1	SuspendAllInterrupts	1	~
Rte_Call_Sa_MtrDrvDiag_FetDrvReset_OP_SET	1	Rte_Call_Sa_MtrDrvDiag_FetDrvReset_OP_SET	1	~
GateDrvWaitTime	1	GateDrvWaitTime	1	•
Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32	1	Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32	1	~
Rte_Call_Sa_MtrDrvDiag_SystemTime_DtrmnElapsedTime_uS_u16	1	Rte_Call_Sa_MtrDrvDiag_SystemTime_DtrmnElapsedTime_uS_u16	1	~
Rte_Call_Sa_MtrDrvDiag_FetDrvReset_OP_SET	1	Rte_Call_Sa_MtrDrvDiag_FetDrvReset_OP_SET	1	~
ResumeAllInterrupts	1	ResumeAllInterrupts	1	~
Rte_Call_MtrDrvDiag_Per1_CP1_CheckpointReached	1	Rte_Call_MtrDrvDiag_Per1_CP1_CheckpointReached	1	-

Test Step 2.21 (Repeat Count = 1)			
Name	Input Value		
Rte_Call_Sa_MtrDrvDiag_FetFlt2Clk_OP_GET(signal)	target_Rte_Call_Sa_MtrDrvDiag_FetFlt2Clk_OP_GET_signal		
Rte_Call_Sa_MtrDrvDiag_NxtrDiagMgr_GetNTCFailed(NTCFailed_Ptr_T_lgc)	target_Rte_Call_Sa_MtrDrvDiag_NxtrDiagMgr_GetNTCFailed_NTCFailed_Ptr_T_lgc		
Rte Call Sa MtrDrvDiag SystemTime DtrmnElapsedTime mS u16(ElapsedTime)	target_Rte_Call_Sa_MtrDrvDiag_SystemTime_DtrmnElapsedTime_mS_u16_ElapsedTime		
$Rte_Call_Sa_MtrDrvDiag_SystemTime_DtrmnElapsedTime_uS_u16(ElapsedTime)$	target_Rte_Call_Sa_MtrDrvDiag_SystemTime_DtrmnElapsedTime_uS_u16_ElapsedTime		
Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_mS_u32(CurrentTime)	target_Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_mS_u32_CurrentTime		
Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32(CurrentTime)	target_Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32_CurrentTime		
Rte_Inst_Sa_MtrDrvDiag	target_Rte_Inst_Sa_MtrDrvDiag		
SVDiag_FETFaultPhase_Cnt_M_enum	1		
SVDiag_FETFaultType_Cnt_M_enum	1		
SVDiag_GateDriveFltAcc_Cnt_M_u16	17000		
SVDiag_GenGateDriveFltAcc_Cnt_M_u16	85		
SVDiag_MtrDrvInitActive_Cnt_M_lgc	1		
SVDiag_MtrDrvInitComp_Cnt_M_lgc	1		
SVDiag_MtrDrvInitStartTime_mS_M_u32p0	1000000		
SVDiag_OnStateFltAcc_Cnt_M_u16	21100		
SVDiag_ResetWaitLoop_Cnt_M_lgc	1		
k_GateDriveDiag_Cnt_str.Threshold	11000		
k_GateDriveDiag_Cnt_str.PStep	20000		
k_GateDriveDiag_Cnt_str.NStep	11100		
k_OnStateDiag_Cnt_str.Threshold	20000		
k_OnStateDiag_Cnt_str.PStep	33000		
k_OnStateDiag_Cnt_str.NStep	12221		
target_MtrDrvDiag_Per1_MtrDrvrInitStart_Cnt_Igc.value	0		
target_Rte_Call_Sa_MtrDrvDiag_FetFlt2Clk_OP_GET_signal	1		
target_Rte_Call_Sa_MtrDrvDiag_NxtrDiagMgr_GetNTCFailed_NTCFailed_Ptr_T_lg	0		
$target_Rte_Call_Sa_MtrDrvDiag_SystemTime_DtrmnElapsedTime_mS_u16_Ela$	65000		
target_Rte_Call_Sa_MtrDrvDiag_SystemTime_DtrmnElapsedTime_uS_u16_Elapse	8888		
$target_Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_mS_u32_CurrentTime_ms_u32_CurrentTime_ms_u32_CurrentTime_ms_u32_CurrentTime_ms_u32_CurrentTime_ms_u32_CurrentTime_ms_u32_CurrentTime_ms_u32_CurrentTime_ms_u32_CurrentTime_ms_u32_CurrentTime_ms_u322_CurrentTime_ms_u322_CurrentTime_ms_u322_CurrentTime_ms_u322_CurrentTime$	40000000		
target Rte Call Sa MtrDrvDiag SystemTime GetSystemTime uS u32 CurrentTir	2300000		
target_Rte_Inst_Sa_MtrDrvDiag.MtrDrvDiag_Per1_FETFaultPhase_Cnt_enum	target_MtrDrvDiag_Per1_FETFaultPhase_Cnt_enum		
target_Rte_Inst_Sa_MtrDrvDiag.MtrDrvDiag_Per1_FETFaultType_Cnt_enum	target_MtrDrvDiag_Per1_FETFaultType_Cnt_enum		





Name	Input Value		
target_Rte_Inst_Sa_MtrDrvDiag.MtrDrvDiag_Per1_GateDriveResetActive_Cnt_lgc	target_MtrDrvDiag_Per1_GateDriveResetAct	tive_Cnt_lgc	
target_Rte_Inst_Sa_MtrDrvDiag.MtrDrvDiag_Per1_MtrDrvrInitComplete_Cnt_Igc	target_MtrDrvDiag_Per1_MtrDrvrInitComplet	e_Cnt_lgc	
target_Rte_Inst_Sa_MtrDrvDiag.MtrDrvDiag_Per1_MtrDrvrInitStart_Cnt_Igc	target_MtrDrvDiag_Per1_MtrDrvrInitStart_Cr	nt_lgc	
Name	Actual Value	Expected Value	Result
SVDiag_FETFaultPhase_Cnt_M_enum	1	1	~
SVDiag_FETFaultType_Cnt_M_enum	1	1	✓
SVDiag_GateDriveFltAcc_Cnt_M_u16	17000	17000 ± 1	~
SVDiag_GenGateDriveFltAcc_Cnt_M_u16	85	85 ± 1	✓
SVDiag_MtrDrvInitActive_Cnt_M_lgc	1	1	~
SVDiag_MtrDrvInitComp_Cnt_M_lgc	1	1	✓
SVDiag_MtrDrvInitStartTime_mS_M_u32p0	1000000	1000000 ± 1	~
SVDiag_OnStateFltAcc_Cnt_M_u16	21100	21100 ± 1	✓
SVDiag_ResetWaitLoop_Cnt_M_lgc	0	0	~
target_MtrDrvDiag_Per1_FETFaultPhase_Cnt_enum.value	1	1	•
target_MtrDrvDiag_Per1_FETFaultType_Cnt_enum.value	1	1	~
target_MtrDrvDiag_Per1_GateDriveResetActive_Cnt_lgc.value	0	0	•
target_MtrDrvDiag_Per1_MtrDrvrInitComplete_Cnt_Igc.value	1	1	~

Test Step Call Trace						
Actual Function	Count	Expected Function	Count	Result		
Rte_Call_MtrDrvDiag_Per1_CP0_CheckpointReached	1	Rte_Call_MtrDrvDiag_Per1_CP0_CheckpointReached	1	~		
ResetGateDrive	1	ResetGateDrive	1	~		
SuspendAllInterrupts	1	SuspendAllInterrupts	1	~		
Rte_Call_Sa_MtrDrvDiag_FetDrvReset_OP_SET	1	Rte_Call_Sa_MtrDrvDiag_FetDrvReset_OP_SET	1	•		
GateDrvWaitTime	1	GateDrvWaitTime	1	~		
Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32	1	Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32	1	•		
Rte_Call_Sa_MtrDrvDiag_SystemTime_DtrmnElapsedTime_uS_u16	1	Rte_Call_Sa_MtrDrvDiag_SystemTime_DtrmnElapsedTime_uS_u16	1	~		
Rte_Call_Sa_MtrDrvDiag_FetDrvReset_OP_SET	1	Rte_Call_Sa_MtrDrvDiag_FetDrvReset_OP_SET	1	~		
ResumeAllInterrupts	1	ResumeAllInterrupts	1	~		
Rte_Call_MtrDrvDiag_Per1_CP1_CheckpointReached	1	Rte_Call_MtrDrvDiag_Per1_CP1_CheckpointReached	1	~		

Name	Input Value		
Rte_Call_Sa_MtrDrvDiag_FetFlt2Clk_OP_GET(signal)	target_Rte_Call_Sa_MtrDrvDiag_FetFlt2Clk_	OP_GET_signal	
Rte_Call_Sa_MtrDrvDiag_NxtrDiagMgr_GetNTCFailed(NTCFailed_Ptr_T_lgc)	target_Rte_Call_Sa_MtrDrvDiag_NxtrDiagM	gr_GetNTCFailed_NTCFailed_Ptr_T_lgc	
Rte_Call_Sa_MtrDrvDiag_SystemTime_DtrmnElapsedTime_mS_u16(ElapsedTime)	target_Rte_Call_Sa_MtrDrvDiag_SystemTim	ne_DtrmnElapsedTime_mS_u16_ElapsedTime	
Rte_Call_Sa_MtrDrvDiag_SystemTime_DtrmnElapsedTime_uS_u16(ElapsedTime)	target_Rte_Call_Sa_MtrDrvDiag_SystemTim	ne_DtrmnElapsedTime_uS_u16_ElapsedTime	
Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_mS_u32(CurrentTime)	target_Rte_Call_Sa_MtrDrvDiag_SystemTim	ne_GetSystemTime_mS_u32_CurrentTime	
Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32(CurrentTime)	target_Rte_Call_Sa_MtrDrvDiag_SystemTim	ne_GetSystemTime_uS_u32_CurrentTime	
Rte_Inst_Sa_MtrDrvDiag	target_Rte_Inst_Sa_MtrDrvDiag		
SVDiag_FETFaultPhase_Cnt_M_enum	2		
SVDiag_FETFaultType_Cnt_M_enum	2		
SVDiag_GateDriveFltAcc_Cnt_M_u16	30000		
SVDiag_GenGateDriveFltAcc_Cnt_M_u16	115		
SVDiag_MtrDrvInitActive_Cnt_M_lgc	1		
SVDiag_MtrDrvInitComp_Cnt_M_lgc	1		
SVDiag_MtrDrvInitStartTime_mS_M_u32p0	1321		
SVDiag_OnStateFltAcc_Cnt_M_u16	3333		
SVDiag_ResetWaitLoop_Cnt_M_lgc	0		
<_GateDriveDiag_Cnt_str.Threshold	3000		
k_GateDriveDiag_Cnt_str.PStep	15000		
<_GateDriveDiag_Cnt_str.NStep	33330		
k_OnStateDiag_Cnt_str.Threshold	3333		
k_OnStateDiag_Cnt_str.PStep	13000		
k_OnStateDiag_Cnt_str.NStep	3000		
target_MtrDrvDiag_Per1_MtrDrvrInitStart_Cnt_lgc.value	1		
arget_Rte_Call_Sa_MtrDrvDiag_FetFlt2Clk_OP_GET_signal	0		
target_Rte_Call_Sa_MtrDrvDiag_NxtrDiagMgr_GetNTCFailed_NTCFailed_Ptr_T_lg	1		
target Rte Call Sa MtrDrvDiag SystemTime DtrmnElapsedTime mS u16 Elapse	5000		
$arget_Rte_Call_Sa_MtrDrvDiag_SystemTime_DtrmnElapsedTime_uS_u16_Elapse$	13100		
target_Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_mS_u32_CurrentTi	45000000		
arget_Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32_CurrentTir	300000		
arget_Rte_Inst_Sa_MtrDrvDiag.MtrDrvDiag_Per1_FETFaultPhase_Cnt_enum	target_MtrDrvDiag_Per1_FETFaultPhase_C	nt_enum	
arget_Rte_Inst_Sa_MtrDrvDiag.MtrDrvDiag_Per1_FETFaultType_Cnt_enum	target_MtrDrvDiag_Per1_FETFaultType_Cn	t_enum	
rarget_Rte_Inst_Sa_MtrDrvDiag.MtrDrvDiag_Per1_GateDriveResetActive_Cnt_lgc	target_MtrDrvDiag_Per1_GateDriveResetAc	tive_Cnt_lgc	
target_Rte_Inst_Sa_MtrDrvDiag.MtrDrvDiag_Per1_MtrDrvrInitComplete_Cnt_Igc	target_MtrDrvDiag_Per1_MtrDrvrInitComplet	e_Cnt_lgc	
target_Rte_Inst_Sa_MtrDrvDiag.MtrDrvDiag_Per1_MtrDrvrInitStart_Cnt_Igc	target_MtrDrvDiag_Per1_MtrDrvrInitStart_Cr	nt_lgc	
Name	Actual Value	Expected Value	Resu
SVDiag_FETFaultPhase_Cnt_M_enum	2	2	
SVDiag FETFaultType Cnt M enum	2	2	





Name	Actual Value	Expected Value	Result
SVDiag_GateDriveFltAcc_Cnt_M_u16	0	0 ± 1	~
SVDiag_GenGateDriveFltAcc_Cnt_M_u16	115	115 ± 1	✓
SVDiag_MtrDrvInitActive_Cnt_M_lgc	1	1	✓
SVDiag_MtrDrvInitComp_Cnt_M_lgc	1	1	✓
SVDiag_MtrDrvInitStartTime_mS_M_u32p0	1321	1321 ± 1	✓
SVDiag_OnStateFltAcc_Cnt_M_u16	333	333 ± 1	✓
SVDiag_ResetWaitLoop_Cnt_M_lgc	0	0	✓
target_MtrDrvDiag_Per1_FETFaultPhase_Cnt_enum.value	2	2	✓
target_MtrDrvDiag_Per1_FETFaultType_Cnt_enum.value	2	2	✓
target_MtrDrvDiag_Per1_GateDriveResetActive_Cnt_lgc.value	0	0	✓
target_MtrDrvDiag_Per1_MtrDrvrInitComplete_Cnt_lgc.value	1	1	✓
NTC	0x4D	0x4D	✓
Param	0x00	0x00	✓
Status	0x00	0x00	✓
NTC	0x4E	0x4E	✓
Param	0x00	0x00	✓
Status	0x00	0x00	✓
NTC	0x4F	0x4F	✓
Param	0x00	0x00	~
Status	0x00	0x00	✓

Test Step Call Trace				
Actual Function	Count	Expected Function	Count	Result
Rte_Call_MtrDrvDiag_Per1_CP0_CheckpointReached	1	Rte_Call_MtrDrvDiag_Per1_CP0_CheckpointReached	1	~
Rte_Call_Sa_MtrDrvDiag_FetFlt1Data_OP_GET	1	Rte_Call_Sa_MtrDrvDiag_FetFlt1Data_OP_GET	1	~
Rte_Call_Sa_MtrDrvDiag_FetFlt2Clk_OP_GET	1	Rte_Call_Sa_MtrDrvDiag_FetFlt2Clk_OP_GET	1	~
Rte_Call_Sa_MtrDrvDiag_NxtrDiagMgr_SetNTCStatus	3	Rte_Call_Sa_MtrDrvDiag_NxtrDiagMgr_SetNTCStatus	3	~
Rte_Call_MtrDrvDiag_Per1_CP1_CheckpointReached	1	Rte_Call_MtrDrvDiag_Per1_CP1_CheckpointReached	1	~

Name	Input Value		
Rte_Call_Sa_MtrDrvDiag_FetFlt2Clk_OP_GET(signal)	target_Rte_Call_Sa_MtrDrvDiag_FetFlt2Clk_OP_GET_signal		
Rte_Call_Sa_MtrDrvDiag_NxtrDiagMgr_GetNTCFailed(NTCFailed_Ptr_T_lgc)	target_Rte_Call_Sa_MtrDrvDiag_NxtrDiagM	gr_GetNTCFailed_NTCFailed_Ptr_T_lgc	
Rte_Call_Sa_MtrDrvDiag_SystemTime_DtrmnElapsedTime_mS_u16(ElapsedTime)	e) target_Rte_Call_Sa_MtrDrvDiag_SystemTime_DtrmnElapsedTime_mS_u16_ElapsedTime		
Rte_Call_Sa_MtrDrvDiag_SystemTime_DtrmnElapsedTime_uS_u16(ElapsedTime)	target_Rte_Call_Sa_MtrDrvDiag_SystemTin	ne_DtrmnElapsedTime_uS_u16_ElapsedTir	ne
Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_mS_u32(CurrentTime)	target_Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_mS_u32_CurrentTime		
Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32(CurrentTime)	target_Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32_CurrentTime		
Rte_Inst_Sa_MtrDrvDiag	target_Rte_Inst_Sa_MtrDrvDiag		
SVDiag_FETFaultPhase_Cnt_M_enum	3		
SVDiag_FETFaultType_Cnt_M_enum	0		
SVDiag_GateDriveFltAcc_Cnt_M_u16	40000		
SVDiag_GenGateDriveFltAcc_Cnt_M_u16	178		
SVDiag_MtrDrvInitActive_Cnt_M_lgc	0		
SVDiag_MtrDrvInitComp_Cnt_M_lgc	1		
SVDiag_MtrDrvInitStartTime_mS_M_u32p0	900		
SVDiag_OnStateFltAcc_Cnt_M_u16	4444		
SVDiag_ResetWaitLoop_Cnt_M_lgc	0		
k_GateDriveDiag_Cnt_str.Threshold	4000		
k_GateDriveDiag_Cnt_str.PStep	20000		
k_GateDriveDiag_Cnt_str.NStep	44440		
k_OnStateDiag_Cnt_str.Threshold	4444		
k_OnStateDiag_Cnt_str.PStep	14000		
k_OnStateDiag_Cnt_str.NStep	4000		
target_MtrDrvDiag_Per1_MtrDrvrInitStart_Cnt_lgc.value	1		
target_Rte_Call_Sa_MtrDrvDiag_FetFlt2Clk_OP_GET_signal	1		
$target_Rte_Call_Sa_MtrDrvDiag_NxtrDiagMgr_GetNTCFailed_NTCFailed_Ptr_T_lgrame and target_Rte_Call_Sa_MtrDrvDiag_NxtrDiagMgr_GetNTCFailed_NTCFailed_Ptr_T_lgrame and target_Rte_Call_Sa_MtrDrvDiag_NxtrDiagMgr_GetNTCFailed_NTCFailed_Ptr_T_lgrame and target_Rte_Call_Sa_MtrDrvDiag_NxtrDiagMgr_GetNTCFailed_NTCFailed_Ptr_T_lgrame and target_Rte_Call_Sa_MtrDrvDiag_NxtrDiagMgr_GetNTCFailed_NTCFailed_Ptr_T_lgrame and target_Rte_Call_Sa_MtrDrvDiag_NxtrDiagMgr_GetNTCFailed_NTCFailed_Ptr_T_lgrame and target_Rte_Call_Sa_MtrDrvDiag_NxtrDiagMgr_GetNTCFailed_NTCFailed_NTCFailed_Ptr_T_lgrame and target_Rte_Call_Sa_MtrDrvDiag_NxtrDiagMgr_GetNTCFailed_NTCFailed_NTCFailed_Ptr_T_lgrame and target_Rte_Call_Sa_MtrDrvDiag_NxtrDiagMgr_GetNTCFailed_NTC$	0		
target Rte Call Sa MtrDrvDiag SystemTime DtrmnElapsedTime mS u16 Elapse	8000		
$target_Rte_Call_Sa_MtrDrvDiag_SystemTime_DtrmnElapsedTime_uS_u16_Elapse$: 14100		
$target_Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_mS_u32_CurrentTi$	50000000		
$target_Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32_CurrentTire_uS_u32_CurrentTire_uS_u32_CurrentTire_uS_u32_CurrentTire_uS_u32_CurrentTire_uS_u32_CurrentTire_uS_u332_Current$	r 400000		
target_Rte_Inst_Sa_MtrDrvDiag.MtrDrvDiag_Per1_FETFaultPhase_Cnt_enum	target_MtrDrvDiag_Per1_FETFaultPhase_Cnt_enum		
target_Rte_Inst_Sa_MtrDrvDiag.MtrDrvDiag_Per1_FETFaultType_Cnt_enum	target_MtrDrvDiag_Per1_FETFaultType_Cnt_enum		
target_Rte_Inst_Sa_MtrDrvDiag.MtrDrvDiag_Per1_GateDriveResetActive_Cnt_lgc	target_MtrDrvDiag_Per1_GateDriveResetActive_Cnt_lgc		
target_Rte_Inst_Sa_MtrDrvDiag.MtrDrvDiag_Per1_MtrDrvrInitComplete_Cnt_Igc	target_MtrDrvDiag_Per1_MtrDrvrInitComplete_Cnt_lgc		
target_Rte_Inst_Sa_MtrDrvDiag.MtrDrvDiag_Per1_MtrDrvrInitStart_Cnt_Igc	target_MtrDrvDiag_Per1_MtrDrvrInitStart_Cnt_lgc		
Name	Actual Value	Expected Value	Resul
SVDiag_FETFaultPhase_Cnt_M_enum	3	3	
SVDiag_FETFaultType_Cnt_M_enum	2	2	,
SVDiag_GateDriveFltAcc_Cnt_M_u16	4000	4000 ± 1	٠,
SVDiag GenGateDriveFltAcc Cnt M u16	178	178 ± 1	

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Name	Actual Value	Expected Value	Result
SVDiag_MtrDrvInitActive_Cnt_M_lgc	0	0	~
SVDiag_MtrDrvInitComp_Cnt_M_lgc	1	1	✓
SVDiag_MtrDrvInitStartTime_mS_M_u32p0	900	900 ± 1	~
SVDiag_OnStateFltAcc_Cnt_M_u16	4444	4444 ± 1	✓
SVDiag_ResetWaitLoop_Cnt_M_lgc	0	0	~
target_MtrDrvDiag_Per1_FETFaultPhase_Cnt_enum.value	3	3	✓
target_MtrDrvDiag_Per1_FETFaultType_Cnt_enum.value	2	2	~
target_MtrDrvDiag_Per1_GateDriveResetActive_Cnt_lgc.value	1	1	✓
target_MtrDrvDiag_Per1_MtrDrvrInitComplete_Cnt_lgc.value	1	1	~
NTC	0x4C	0x4C	✓
Param	0x01	0x01	~
Status	0x01	0x01	•

MtrDrvDiag_Per1

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Actual Function		Expected Function		Result
Rte_Call_MtrDrvDiag_Per1_CP0_CheckpointReached	1	Rte_Call_MtrDrvDiag_Per1_CP0_CheckpointReached	1	~
Rte_Call_Sa_MtrDrvDiag_FetFlt1Data_OP_GET	1	Rte_Call_Sa_MtrDrvDiag_FetFlt1Data_OP_GET	1	~
Rte_Call_Sa_MtrDrvDiag_FetFlt2Clk_OP_GET Rte_Call_Sa_MtrDrvDiag_NxtrDiagMgr_SetNTCStatus	1	Rte_Call_Sa_MtrDrvDiag_FetFlt2Clk_OP_GET Rte_Call_Sa_MtrDrvDiag_NxtrDiagMgr_SetNTCStatus	1	*
ProcGateDriveFlt	1	ProcGateDriveFit	1	-
Rte_Call_Sa_MtrDrvDiag_NxtrDiagMgr_SetNTCStatus	1	Rte Call Sa MtrDrvDiag NxtrDiagMgr SetNTCStatus	1	-
ReadMtrDrvFltData	1	ReadMtrDrvFltData	1	-
Rte_Call_Sa_MtrDrvDiag_IoHwAbPortConfig_SetFetFlt2ToOutput	1	Rte_Call_Sa_MtrDrvDiag_loHwAbPortConfig_SetFetFlt2ToOutput	1	•
Rte_Call_Sa_MtrDrvDiag_FetFlt2Clk_OP_SET	1	Rte_Call_Sa_MtrDrvDiag_FetFlt2Clk_OP_SET	1	~
GateDrvWaitTime	1	GateDrvWaitTime	1	~
Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32	1	Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32	1	~
Rte_Call_Sa_MtrDrvDiag_SystemTime_DtrmnElapsedTime_uS_u16	1	Rte_Call_Sa_MtrDrvDiag_SystemTime_DtrmnElapsedTime_uS_u16	1	~
Rte_Call_Sa_MtrDrvDiag_FetFlt1Data_OP_GET	1	Rte_Call_Sa_MtrDrvDiag_FetFlt1Data_OP_GET	1	
Rte_Call_Sa_MtrDrvDiag_FetFlt2Clk_OP_SET	1	Rte_Call_Sa_MtrDrvDiag_FetFlt2Clk_OP_SET	1	V
GateDrvWaitTime Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32	1	GateDrvWaitTime Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32	1	✓ ✓
Rte_Call_Sa_MtrDrvDiag_SystemTime_DtrmnElapsedTime_uS_u16	1	Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32 Rte_Call_Sa_MtrDrvDiag_SystemTime_DtrmnElapsedTime_uS_u16	1	
Rte_Call_Sa_MtrDrvDiag_FetFlt2Clk_OP_SET	1	Rte_Call_Sa_MtrDrvDiag_FetFlt2Clk_OP_SET	1	-
GateDrvWaitTime	1	GateDrvWaitTime	1	-
Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32	1	Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32	1	✓
Rte_Call_Sa_MtrDrvDiag_SystemTime_DtrmnElapsedTime_uS_u16	1	Rte_Call_Sa_MtrDrvDiag_SystemTime_DtrmnElapsedTime_uS_u16	1	~
Rte_Call_Sa_MtrDrvDiag_FetFlt1Data_OP_GET	1	Rte_Call_Sa_MtrDrvDiag_FetFlt1Data_OP_GET	1	~
Rte_Call_Sa_MtrDrvDiag_FetFlt2Clk_OP_SET	1	Rte_Call_Sa_MtrDrvDiag_FetFlt2Clk_OP_SET	1	~
GateDrvWaitTime	1	GateDrvWaitTime	1	~
Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32	1	Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32	1	~
Rte_Call_Sa_MtrDrvDiag_SystemTime_DtrmnElapsedTime_uS_u16	1	Rte_Call_Sa_MtrDrvDiag_SystemTime_DtrmnElapsedTime_uS_u16	1	~
Rte_Call_Sa_MtrDrvDiag_FetFlt2Clk_OP_SET	1	Rte_Call_Sa_MtrDrvDiag_FetFlt2Clk_OP_SET	1	*
GateDrvWaitTime Pto Coll So MtrDn/Diog SystemTime CotSystemTime u.S. u.22	1	GateDrvWaitTime	1	
Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32 Rte_Call_Sa_MtrDrvDiag_SystemTime_DtrmnElapsedTime_uS_u16	1	Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32 Rte_Call_Sa_MtrDrvDiag_SystemTime_DtrmnElapsedTime_uS_u16	1	~
Rte_Call_Sa_MtrDrvDiag_FetFlt1Data_OP_GET	1	Rte_Call_Sa_MtrDrvDiag_FetFlt1Data_OP_GET	1	
Rte_Call_Sa_MtrDrvDiag_FetFlt2Clk_OP_SET	1	Rte_Call_Sa_MtrDrvDiag_FetFlt2Clk_OP_SET	1	~
GateDrvWaitTime	1	GateDrvWaitTime	1	_
Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32	1	Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32	1	✓
Rte_Call_Sa_MtrDrvDiag_SystemTime_DtrmnElapsedTime_uS_u16	1	Rte_Call_Sa_MtrDrvDiag_SystemTime_DtrmnElapsedTime_uS_u16	1	~
Rte_Call_Sa_MtrDrvDiag_FetFlt2Clk_OP_SET	1	Rte_Call_Sa_MtrDrvDiag_FetFlt2Clk_OP_SET	1	~
GateDrvWaitTime	1	GateDrvWaitTime	1	~
Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32	1	Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32	1	~
Rte_Call_Sa_MtrDrvDiag_SystemTime_DtrmnElapsedTime_uS_u16	1	Rte_Call_Sa_MtrDrvDiag_SystemTime_DtrmnElapsedTime_uS_u16	1	~
Rte_Call_Sa_MtrDrvDiag_FetFlt1Data_OP_GET	1	Rte_Call_Sa_MtrDrvDiag_FetFlt1Data_OP_GET	1	~
Rte_Call_Sa_MtrDrvDiag_FetFlt2Clk_OP_SET	1	Rte_Call_Sa_MtrDrvDiag_FetFlt2Clk_OP_SET	1	✓
GateDrvWaitTime Rte Call Sa MtrDrvDiag SystemTime GetSystemTime uS u32	1	GateDrvWaitTime Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32	1	
Rte_Call_Sa_MtrDrvDiag_SystemTime_DtrmnElapsedTime_uS_u16	1	Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32	1	-
Rte_Call_Sa_MtrDrvDiag_FetFlt2Clk_OP_SET	1	Rte_Call_Sa_MtrDrvDiag_FetFlt2Clk_OP_SET	1	
GateDrvWaitTime	1	GateDrvWaitTime	1	~
Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32	1	Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32	1	~
Rte_Call_Sa_MtrDrvDiag_SystemTime_DtrmnElapsedTime_uS_u16	1	Rte_Call_Sa_MtrDrvDiag_SystemTime_DtrmnElapsedTime_uS_u16	1	~
Rte_Call_Sa_MtrDrvDiag_FetFlt1Data_OP_GET	1	Rte_Call_Sa_MtrDrvDiag_FetFlt1Data_OP_GET	1	~
Rte_Call_Sa_MtrDrvDiag_FetFlt2Clk_OP_SET	1	Rte_Call_Sa_MtrDrvDiag_FetFlt2Clk_OP_SET	1	~
GateDrvWaitTime	1	GateDrvWaitTime	1	~
Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32	1	Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32	1	~
Rte_Call_Sa_MtrDrvDiag_SystemTime_DtrmnElapsedTime_uS_u16	1	Rte_Call_Sa_MtrDrvDiag_SystemTime_DtrmnElapsedTime_uS_u16	1	V
Rte_Call_Sa_MtrDrvDiag_FetFlt2Clk_OP_SET	1	Rte_Call_Sa_MtrDrvDiag_FetFlt2Clk_OP_SET	1	~
GateDrvWaitTime Rte Call Sa MtrDrvDiag SystemTime GetSystemTime uS u32	1	GateDrvWaitTime Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32	1	~
Rte_Call_Sa_MtrDrvDiag_SystemTime_DtrmnElapsedTime_uS_u16	1	Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32	1	
Rte_Call_Sa_MtrDrvDiag_FetFlt1Data_OP_GET	1	Rte_Call_Sa_MtrDrvDiag_FetFlt1Data_OP_GET	1	•
Rte_Call_Sa_MtrDrvDiag_FetFlt2Clk_OP_SET	1	Rte_Call_Sa_MtrDrvDiag_FetFlt2Clk_OP_SET	1	-
GateDrvWaitTime	1	GateDrvWaitTime	1	~
Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32	1	Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32	1	~
Rte_Call_Sa_MtrDrvDiag_SystemTime_DtrmnElapsedTime_uS_u16	1	Rte_Call_Sa_MtrDrvDiag_SystemTime_DtrmnElapsedTime_uS_u16	1	~
Rte_Call_Sa_MtrDrvDiag_FetFlt2Clk_OP_SET	1	Rte_Call_Sa_MtrDrvDiag_FetFlt2Clk_OP_SET	1	~
GateDrvWaitTime	1	GateDrvWaitTime	1	~
Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32	1	Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32	1	✓
Rte_Call_Sa_MtrDrvDiag_SystemTime_DtrmnElapsedTime_uS_u16	1	Rte_Call_Sa_MtrDrvDiag_SystemTime_DtrmnElapsedTime_uS_u16	1	V
Rte_Call_Sa_MtrDrvDiag_FetFlt1Data_OP_GET Rte_Call_Sa_MtrDrvDiag_FetFlt2Clk_OP_SET	1	Rte_Call_Sa_MtrDrvDiag_FetFlt1Data_OP_GET Rte_Call_Sa_MtrDrvDiag_FetFlt2Clk_OP_SET	1	V
GateDrvWaitTime	1	GateDrvWaitTime	1	~
Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32	1	Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32	1	·
Rte_Call_Sa_MtrDrvDiag_SystemTime_DtrmnElapsedTime_uS_u16	1	Rte_Call_Sa_MtrDrvDiag_SystemTime_DtrmnElapsedTime_uS_u16	1	-
Rte_Call_Sa_MtrDrvDiag_FetFlt2Clk_OP_SET	1	Rte_Call_Sa_MtrDrvDiag_FetFlt2Clk_OP_SET	1	~
GateDrvWaitTime	1	GateDrvWaitTime	1	-

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Actual Function	Count	Expected Function	Count	Result
Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32	1	Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32	1	-
Rte_Call_Sa_MtrDrvDiag_SystemTime_DtrmnElapsedTime_uS_u16	1	Rte_Call_Sa_MtrDrvDiag_SystemTime_DtrmnElapsedTime_uS_u16	1	-
Rte_Call_Sa_MtrDrvDiag_FetFlt1Data_OP_GET	1	Rte_Call_Sa_MtrDrvDiag_FetFlt1Data_OP_GET	1	-
Rte_Call_Sa_MtrDrvDiag_FetFlt2Clk_OP_SET	1	Rte_Call_Sa_MtrDrvDiag_FetFlt2Clk_OP_SET	1	-
GateDrvWaitTime	1	GateDrvWaitTime	1	-
Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32	1	Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32	1	-
Rte_Call_Sa_MtrDrvDiag_SystemTime_DtrmnElapsedTime_uS_u16	1	Rte_Call_Sa_MtrDrvDiag_SystemTime_DtrmnElapsedTime_uS_u16	1	-
Rte_Call_Sa_MtrDrvDiag_FetFlt2Clk_OP_SET	1	Rte_Call_Sa_MtrDrvDiag_FetFlt2Clk_OP_SET	1	-
GateDrvWaitTime	1	GateDrvWaitTime	1	-
Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32	1	Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32	1	-
Rte_Call_Sa_MtrDrvDiag_SystemTime_DtrmnElapsedTime_uS_u16	1	Rte_Call_Sa_MtrDrvDiag_SystemTime_DtrmnElapsedTime_uS_u16	1	•
Rte_Call_Sa_MtrDrvDiag_FetFlt1Data_OP_GET	1	Rte_Call_Sa_MtrDrvDiag_FetFlt1Data_OP_GET	1	•
Rte_Call_Sa_MtrDrvDiag_FetFlt2Clk_OP_SET	1	Rte_Call_Sa_MtrDrvDiag_FetFlt2Clk_OP_SET	1	•
GateDrvWaitTime	1	GateDrvWaitTime	1	•
Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32	1	Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32	1	-
Rte_Call_Sa_MtrDrvDiag_SystemTime_DtrmnElapsedTime_uS_u16	1	Rte_Call_Sa_MtrDrvDiag_SystemTime_DtrmnElapsedTime_uS_u16	1	•
Rte_Call_Sa_MtrDrvDiag_FetFlt2Clk_OP_SET	1	Rte_Call_Sa_MtrDrvDiag_FetFlt2Clk_OP_SET	1	-
GateDrvWaitTime	1	GateDrvWaitTime	1	-
Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32	1	Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32	1	-
Rte_Call_Sa_MtrDrvDiag_SystemTime_DtrmnElapsedTime_uS_u16	1	Rte_Call_Sa_MtrDrvDiag_SystemTime_DtrmnElapsedTime_uS_u16	1	•
Rte_Call_Sa_MtrDrvDiag_FetFlt1Data_OP_GET	1	Rte_Call_Sa_MtrDrvDiag_FetFlt1Data_OP_GET	1	-
Rte_Call_Sa_MtrDrvDiag_FetFlt2Clk_OP_SET	1	Rte_Call_Sa_MtrDrvDiag_FetFlt2Clk_OP_SET	1	-
GateDrvWaitTime	1	GateDrvWaitTime	1	•
Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32	1	Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32	1	-
Rte_Call_Sa_MtrDrvDiag_SystemTime_DtrmnElapsedTime_uS_u16	1	Rte_Call_Sa_MtrDrvDiag_SystemTime_DtrmnElapsedTime_uS_u16	1	•
Rte_Call_Sa_MtrDrvDiag_IoHwAbPortConfig_SetFetFlt2ToOutput	1	Rte_Call_Sa_MtrDrvDiag_IoHwAbPortConfig_SetFetFlt2ToOutput	1	•
ResetGateDrive	1	ResetGateDrive	1	-
SuspendAllInterrupts	1	SuspendAllInterrupts	1	•
Rte_Call_Sa_MtrDrvDiag_FetDrvReset_OP_SET	1	Rte_Call_Sa_MtrDrvDiag_FetDrvReset_OP_SET	1	•
GateDrvWaitTime	1	GateDrvWaitTime	1	-
Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32	1	Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32	1	-
Rte_Call_Sa_MtrDrvDiag_SystemTime_DtrmnElapsedTime_uS_u16	1	Rte_Call_Sa_MtrDrvDiag_SystemTime_DtrmnElapsedTime_uS_u16	1	-
Rte_Call_Sa_MtrDrvDiag_FetDrvReset_OP_SET	1	Rte_Call_Sa_MtrDrvDiag_FetDrvReset_OP_SET	1	-
ResumeAllInterrupts	1	ResumeAllInterrupts	1	-
Rte Call MtrDrvDiag Per1 CP1 CheckpointReached	1	Rte Call MtrDrvDiag Per1 CP1 CheckpointReached	1	•

Test Step 2.24 (Repeat Count = 1)	🗸
Name	Input Value
Rte_Call_Sa_MtrDrvDiag_FetFlt2Clk_OP_GET(signal)	target_Rte_Call_Sa_MtrDrvDiag_FetFlt2Clk_OP_GET_signal
Rte_Call_Sa_MtrDrvDiag_NxtrDiagMgr_GetNTCFailed(NTCFailed_Ptr_T_lgc)	target_Rte_Call_Sa_MtrDrvDiag_NxtrDiagMgr_GetNTCFailed_NTCFailed_Ptr_T_lgc
Rte_Call_Sa_MtrDrvDiag_SystemTime_DtrmnElapsedTime_mS_u16(ElapsedTime)	target_Rte_Call_Sa_MtrDrvDiag_SystemTime_DtrmnElapsedTime_mS_u16_ElapsedTime
Rte_Call_Sa_MtrDrvDiag_SystemTime_DtrmnElapsedTime_uS_u16(ElapsedTime)	target_Rte_Call_Sa_MtrDrvDiag_SystemTime_DtrmnElapsedTime_uS_u16_ElapsedTime
Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_mS_u32(CurrentTime)	target_Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_mS_u32_CurrentTime
Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32(CurrentTime)	target_Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32_CurrentTime
Rte_Inst_Sa_MtrDrvDiag	target_Rte_Inst_Sa_MtrDrvDiag
SVDiag_FETFaultPhase_Cnt_M_enum	0
SVDiag_FETFaultType_Cnt_M_enum	0
SVDiag_GateDriveFltAcc_Cnt_M_u16	0
SVDiag_GenGateDriveFltAcc_Cnt_M_u16	0
SVDiag_MtrDrvInitActive_Cnt_M_lgc	0
SVDiag_MtrDrvInitComp_Cnt_M_lgc	0
SVDiag_MtrDrvInitStartTime_mS_M_u32p0	0
SVDiag_OnStateFltAcc_Cnt_M_u16	0
SVDiag_ResetWaitLoop_Cnt_M_lgc	0
k_GateDriveDiag_Cnt_str.Threshold	0
k_GateDriveDiag_Cnt_str.PStep	0
k_GateDriveDiag_Cnt_str.NStep	0
k_OnStateDiag_Cnt_str.Threshold	0
k_OnStateDiag_Cnt_str.PStep	0
k_OnStateDiag_Cnt_str.NStep	0
target_MtrDrvDiag_Per1_MtrDrvrInitStart_Cnt_lgc.value	0
target_Rte_Call_Sa_MtrDrvDiag_FetFlt2Clk_OP_GET_signal	0
target_Rte_Call_Sa_MtrDrvDiag_NxtrDiagMgr_GetNTCFailed_NTCFailed_Ptr_T_lgr	0
$target_Rte_Call_Sa_MtrDrvDiag_SystemTime_DtrmnElapsedTime_mS_u16_ElapsedTime_mSu16$	0
target_Rte_Call_Sa_MtrDrvDiag_SystemTime_DtrmnElapsedTime_uS_u16_Elapse	50
$target_Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_mS_u32_CurrentTime_ms_u32_CurrentTime_ms_u32_CurrentTime_ms_u32_CurrentTime_ms_u32_CurrentTime_ms_u32_CurrentTime_ms_u32_CurrentTime_ms_u32_CurrentTime_ms_u32_CurrentTime_ms_u322_CurrentTime_ms_u322_CurrentTime_ms_u322_CurrentTime_ms_u322_CurrentTim$	0
$target_Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32_CurrentTire_ususususususususususususususususususus$	0
target_Rte_Inst_Sa_MtrDrvDiag.MtrDrvDiag_Per1_FETFaultPhase_Cnt_enum	target_MtrDrvDiag_Per1_FETFaultPhase_Cnt_enum
target_Rte_Inst_Sa_MtrDrvDiag.MtrDrvDiag_Per1_FETFaultType_Cnt_enum	target_MtrDrvDiag_Per1_FETFaultType_Cnt_enum
target_Rte_Inst_Sa_MtrDrvDiag.MtrDrvDiag_Per1_GateDriveResetActive_Cnt_lgc	target_MtrDrvDiag_Per1_GateDriveResetActive_Cnt_lgc

target_MtrDrvDiag_Per1_MtrDrvrInitComplete_Cnt_lgc.value

MtrDrvDiag_Per1

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Input Value target_Rte_Inst_Sa_MtrDrvDiag.MtrDrvDiag_Per1_MtrDrvrInitComplete_Cnt_Igc target_MtrDrvDiag_Per1_MtrDrvrInitComplete_Cnt_lgc $target_Rte_Inst_Sa_MtrDrvDiag.MtrDrvDiag_Per1_MtrDrvrInitStart_Cnt_lgc$ target_MtrDrvDiag_Per1_MtrDrvrInitStart_Cnt_lgc Name **Actual Value Expected Value** Result SVDiag_FETFaultPhase_Cnt_M_enum 0 0 SVDiag_FETFaultType_Cnt_M_enum 0 0 SVDiag_GateDriveFltAcc_Cnt_M_u16 0 ± 1 0 SVDiag_GenGateDriveFltAcc_Cnt_M_u16 0 0 ± 1 SVDiag_MtrDrvInitActive_Cnt_M_lgc 0 0 SVDiag_MtrDrvInitComp_Cnt_M_lgc 0 0 SVDiag_MtrDrvInitStartTime_mS_M_u32p0 0 0 ± 1 SVDiag_OnStateFltAcc_Cnt_M_u16 0 0 ± 1 SVDiag_ResetWaitLoop_Cnt_M_lgc 0 0 $target_MtrDrvDiag_Per1_FETFaultPhase_Cnt_enum.value$ 0 0 target_MtrDrvDiag_Per1_FETFaultType_Cnt_enum.value 0 0 $target_MtrDrvDiag_Per1_GateDriveResetActive_Cnt_lgc.value$ 0 0

Test Step Call Trace				
Actual Function	Count	Expected Function	Count	Result
Rte_Call_MtrDrvDiag_Per1_CP0_CheckpointReached	1	Rte_Call_MtrDrvDiag_Per1_CP0_CheckpointReached	1	~
Rte_Call_MtrDrvDiag_Per1_CP1_CheckpointReached	1	Rte_Call_MtrDrvDiag_Per1_CP1_CheckpointReached	1	~

0

0

Name	Input Value		
Rte Call Sa MtrDrvDiag FetFlt2Clk OP GET(signal)	•	OR CET signal	
	target_Rte_Call_Sa_MtrDrvDiag_FetFlt2Clk_OP_GET_signal		
Rte_Call_Sa_MtrDrvDiag_NxtrDiagMgr_GetNTCFailed(NTCFailed_Ptr_T_lgc)	target_Rte_Call_Sa_MtrDrvDiag_NxtrDiagMgr_GetNTCFailed_NTCFailed_Ptr_T_lgc		
Rte_Call_Sa_MtrDrvDiag_SystemTime_DtrmnElapsedTime_mS_u16(ElapsedTime			
Rte_Call_Sa_MtrDrvDiag_SystemTime_DtrmnElapsedTime_uS_u16(ElapsedTime)	target_Rte_Call_Sa_MtrDrvDiag_SystemTime_DtrmnElapsedTime_uS_u16_ElapsedTime		ie
Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_mS_u32(CurrentTime)	target_Rte_Call_Sa_MtrDrvDiag_SystemTin		
Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32(CurrentTime)	target_Rte_Call_Sa_MtrDrvDiag_SystemTin	ne_GetSystemTime_uS_u32_CurrentTime	
Rte_Inst_Sa_MtrDrvDiag	target_Rte_Inst_Sa_MtrDrvDiag		
SVDiag_FETFaultPhase_Cnt_M_enum	3		
SVDiag_FETFaultType_Cnt_M_enum	2		
SVDiag_GateDriveFltAcc_Cnt_M_u16	65535		
SVDiag_GenGateDriveFltAcc_Cnt_M_u16	200		
SVDiag_MtrDrvInitActive_Cnt_M_lgc	1		
SVDiag_MtrDrvInitComp_Cnt_M_lgc	1		
SVDiag_MtrDrvInitStartTime_mS_M_u32p0	4294967295		
SVDiag_OnStateFltAcc_Cnt_M_u16	65535		
SVDiag_ResetWaitLoop_Cnt_M_lgc	1		
C_GateDriveDiag_Cnt_str.Threshold	65535		
c_GateDriveDiag_Cnt_str.PStep	65535		
c_GateDriveDiag_Cnt_str.NStep	65535		
C_OnStateDiag_Cnt_str.Threshold	65535		
C_OnStateDiag_Cnt_str.PStep	65535		
C_OnStateDiag_Cnt_str.NStep	65535		
arget_MtrDrvDiag_Per1_MtrDrvrInitStart_Cnt_lgc.value	1		
arget_Rte_Call_Sa_MtrDrvDiag_FetFlt2Clk_OP_GET_signal	1		
arget_Rte_Call_Sa_MtrDrvDiag_NxtrDiagMgr_GetNTCFailed_NTCFailed_Ptr_T_lg	1		
arget Rte Call Sa MtrDrvDiag SystemTime DtrmnElapsedTime mS u16 Elapse	65535		
arget_Rte_Call_Sa_MtrDrvDiag_SystemTime_DtrmnElapsedTime_uS_u16_Elapse	65535		
arget_Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_mS_u32_CurrentT	i 4294967295		
arget_Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32_CurrentTi	4294967295		
arget_Rte_Inst_Sa_MtrDrvDiag.MtrDrvDiag_Per1_FETFaultPhase_Cnt_enum	target_MtrDrvDiag_Per1_FETFaultPhase_C	nt_enum	
arget_Rte_Inst_Sa_MtrDrvDiag.MtrDrvDiag_Per1_FETFaultType_Cnt_enum	target MtrDrvDiag Per1 FETFaultType Cn	t enum	
arget Rte Inst Sa MtrDrvDiag.MtrDrvDiag Per1 GateDriveResetActive Cnt Igc	target MtrDrvDiag Per1 GateDriveResetAd	tive Cnt Igc	
arget Rte Inst Sa MtrDrvDiag.MtrDrvDiag Per1 MtrDrvrInitComplete Cnt Igc	target MtrDrvDiag Per1 MtrDrvrInitComple	te Cnt Igc	
arget_Rte_Inst_Sa_MtrDrvDiag.MtrDrvDiag_Per1_MtrDrvrInitStart_Cnt_lgc	target_MtrDrvDiag_Per1_MtrDrvrInitStart_C		
Name	Actual Value	Expected Value	Resi
SVDiag FETFaultPhase Cnt M enum	3	3	
SVDiag_FETFaultType Cnt M enum	2	2	
SVDiag_GateDriveFltAcc_Cnt_M_u16	65535	65535 ± 1	
SVDiag GenGateDriveFitAcc Cnt M u16	200	200 ± 1	
SVDiag_OctroateStrect taxes_cit_w_u10 SVDiag_MtrDrvInitActive_Cnt_M_lgc	1	1	
SVDiag_MtrDrvInitComp Cnt M Igc	1	1	
SVDiag_MtrDrvInitStartTime_mS_M_u32p0	4294967295	4294967295 ± 1	
SVDiag_MtrDrVmitstart.me_ms_in_uszpu SVDiag_OnStateFitAcc_Cnt_M_u16	65535	4294967295 ± 1 65535 ± 1	
9	0	0 0 ± 1	
SVDiag_ResetWaitLoop_Cnt_M_lgc			
arget_MtrDrvDiag_Per1_FETFaultPhase_Cnt_enum.value	3 2	3 2	

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MtrDrvDiag_Per1

Name	Actual Value	Expected Value	Result
target_MtrDrvDiag_Per1_GateDriveResetActive_Cnt_lgc.value	0	0	✓
target MtrDrvDiag Per1 MtrDrvrInitComplete Cnt Igc.value	1	1	✓

Test Step Call Trace					
Actual Function	Count	Expected Function	Count	Result	
Rte_Call_MtrDrvDiag_Per1_CP0_CheckpointReached	1	Rte_Call_MtrDrvDiag_Per1_CP0_CheckpointReached	1	~	
ResetGateDrive	1	ResetGateDrive	1	•	
SuspendAllInterrupts	1	SuspendAllInterrupts	1	~	
Rte_Call_Sa_MtrDrvDiag_FetDrvReset_OP_SET	1	Rte_Call_Sa_MtrDrvDiag_FetDrvReset_OP_SET	1	•	
GateDrvWaitTime	1	GateDrvWaitTime	1	~	
Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32	1	Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32	1	~	
Rte_Call_Sa_MtrDrvDiag_SystemTime_DtrmnElapsedTime_uS_u16	1	Rte_Call_Sa_MtrDrvDiag_SystemTime_DtrmnElapsedTime_uS_u16	1	-	
Rte_Call_Sa_MtrDrvDiag_FetDrvReset_OP_SET	1	Rte_Call_Sa_MtrDrvDiag_FetDrvReset_OP_SET	1	•	
ResumeAllInterrupts	1	ResumeAllInterrupts	1	~	
Rte_Call_MtrDrvDiag_Per1_CP1_CheckpointReached	1	Rte_Call_MtrDrvDiag_Per1_CP1_CheckpointReached	1	✓	

Test Case 3: Path Test Specification Performance Metrics (With "None" Instrumentation and WithPS Environment) CPU Cycles: TC3.1 1123 Cycles TC3.2 4263 Cycles TC3.3 11559 Cycles TC3.4 1035 Cycles TC3.5 8755 Cycles TC3.6 18481 Cycles TC3.7 18303 Cycles TC3.7 18303 Cycles TC3.9 18481 Cycles Description Vector Description TS3.1"(TRUE == MtrDrvInitComp_Cnt_T_lgc)=False && (TRUE == MtrDrvrInitStart_Cnt_T_lgc)=False" TS3.2"(TRUE == MtrDrvInitComp_Cnt_T_lgc)=True && (TRUE == SVDiag_ResetWaitLoop_Cnt_M_lgc) =True TS3.3"(TRUE == SVDiag_ResetWaitLoop_Cnt_M_lgc)

=False &&

(FALSE == FF1Set_Cnt_T_lgc)=False &&

(TRUE == FF1Set_Cnt_T_lgc)=True &&

(TRUE != SVDiag_ResetWaitLoop_Cnt_M_lgc)=
True" TS3.4"(TRUE == MtrDrvrInitStart_Cnt_T_lgc) =True" TS3.5"(FALSE == FF1Set_Cnt_T_lgc) =True && | FALSE == FF2Set_Cnt_T_lgc)=False && | (TRUE == FF1Set_Cnt_T_lgc)=False" | TS3.6"(FALSE == FF1Set_Cnt_T_lgc) =True && (FALSE == FF2Set_Cnt_T_lgc)=True && ((GateDriveFltAcc_Cnt_T_u16)>(k_GateDriveDiag_Cnt_str.Nstep))=True && ((OnStateFltAcc_Cnt_T_u16)>(k_OnStateDiag_Cnt_str.Nstep)=False

 $TS3.7((GateDriveFltAcc_Cnt_T_u16)>(k_GateDriveDiag_Cnt_str.Nstep)) = False \\ TS3.8((OnStateFltAcc_Cnt_T_u16)>(k_GateDriveDiag_Cnt_str.Nstep) = True \\ TS3.9 \qquad If (True = MtrDrvInitComp_Cnt_T_lgc) = True, If (True = SVDiag_ResetWaitLoop_Cnt_M_lgc) = False, If (True = FF1Set_Cnt_T_lgc) = False \\ TS3.9 \qquad If (True = MtrDrvInitComp_Cnt_T_lgc) = True, If (True = SVDiag_ResetWaitLoop_Cnt_M_lgc) = False, If (True = FF1Set_Cnt_T_lgc) = False \\ TS3.9 \qquad If (True = MtrDrvInitComp_Cnt_T_lgc) = True, If (True = SVDiag_ResetWaitLoop_Cnt_M_lgc) = False, If (True = FF1Set_Cnt_T_lgc) = False \\ TS3.9 \qquad If (True = MtrDrvInitComp_Cnt_T_lgc) = True, If (True = SVDiag_ResetWaitLoop_Cnt_M_lgc) = False, If (True = FF1Set_Cnt_T_lgc) = False \\ TS3.9 \qquad If (True = MtrDrvInitComp_Cnt_T_lgc) = True, If (True = SVDiag_ResetWaitLoop_Cnt_M_lgc) = False \\ TS3.9 \qquad If (True = MtrDrvInitComp_Cnt_T_lgc) = True, If (True = SVDiag_ResetWaitLoop_Cnt_M_lgc) = True, If (True = SVDiag_ResetWaitLoop_Cnt_M$

Test Step 3.1 (Repeat Count = 1)	
Name	Input Value
Rte_Call_Sa_MtrDrvDiag_FetFlt2Clk_OP_GET(signal)	target_Rte_Call_Sa_MtrDrvDiag_FetFlt2Clk_OP_GET_signal
Rte_Call_Sa_MtrDrvDiag_NxtrDiagMgr_GetNTCFailed(NTCFailed_Ptr_T_lgc)	target_Rte_Call_Sa_MtrDrvDiag_NxtrDiagMgr_GetNTCFailed_NTCFailed_Ptr_T_lgc
$Rte_Call_Sa_MtrDrvDiag_SystemTime_DtrmnElapsedTime_mS_u16(ElapsedTime)$	target_Rte_Call_Sa_MtrDrvDiag_SystemTime_DtrmnElapsedTime_mS_u16_ElapsedTime
$Rte_Call_Sa_MtrDrvDiag_SystemTime_DtrmnElapsedTime_uS_u16(ElapsedTime)$	target_Rte_Call_Sa_MtrDrvDiag_SystemTime_DtrmnElapsedTime_uS_u16_ElapsedTime
Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_mS_u32(CurrentTime)	target_Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_mS_u32_CurrentTime
Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32(CurrentTime)	target_Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32_CurrentTime
Rte_Inst_Sa_MtrDrvDiag	target_Rte_Inst_Sa_MtrDrvDiag
SVDiag_FETFaultPhase_Cnt_M_enum	0
SVDiag_FETFaultType_Cnt_M_enum	0
SVDiag_GateDriveFltAcc_Cnt_M_u16	10000
SVDiag_GenGateDriveFltAcc_Cnt_M_u16	10
SVDiag_MtrDrvInitActive_Cnt_M_lgc	1
SVDiag_MtrDrvInitComp_Cnt_M_lgc	0
SVDiag_MtrDrvInitStartTime_mS_M_u32p0	3125
SVDiag_OnStateFltAcc_Cnt_M_u16	1111
SVDiag_ResetWaitLoop_Cnt_M_lgc	0
k_GateDriveDiag_Cnt_str.Threshold	1000

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Name	Input Value		
k_GateDriveDiag_Cnt_str.PStep	5000		
k_GateDriveDiag_Cnt_str.NStep	11110		
k_OnStateDiag_Cnt_str.Threshold	1111		
k_OnStateDiag_Cnt_str.PStep	11000		
k_OnStateDiag_Cnt_str.NStep	1000		
target_MtrDrvDiag_Per1_MtrDrvrInitStart_Cnt_lgc.value	0		
target_Rte_Call_Sa_MtrDrvDiag_FetFlt2Clk_OP_GET_signal	1		
$target_Rte_Call_Sa_MtrDrvDiag_NxtrDiagMgr_GetNTCFailed_NTCFailed_Ptr_T_lease and the control of the control o$	g 0		
$target_Rte_Call_Sa_MtrDrvDiag_SystemTime_DtrmnElapsedTime_mS_u16_ElapsedTime_mSu16$	se 1000		
$target_Rte_Call_Sa_MtrDrvDiag_SystemTime_DtrmnElapsedTime_uS_u16_Ela$	e 11100		
target_Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_mS_u32_Current1	Ti 5000		
target_Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32_CurrentT	ir 100000		
target_Rte_Inst_Sa_MtrDrvDiag.MtrDrvDiag_Per1_FETFaultPhase_Cnt_enum	target_MtrDrvDiag_Per1_FETFaultPhase_0	Cnt_enum	
target_Rte_Inst_Sa_MtrDrvDiag.MtrDrvDiag_Per1_FETFaultType_Cnt_enum	target_MtrDrvDiag_Per1_FETFaultType_Cnt_enum		
$target_Rte_Inst_Sa_MtrDrvDiag.MtrDrvDiag_Per1_GateDriveResetActive_Cnt_lgc$	target_MtrDrvDiag_Per1_GateDriveResetActive_Cnt_lgc		
$target_Rte_Inst_Sa_MtrDrvDiag_MtrDrvDiag_Per1_MtrDrvrInitComplete_Cnt_Igc$	target_MtrDrvDiag_Per1_MtrDrvrInitComplete_Cnt_lgc		
target_Rte_Inst_Sa_MtrDrvDiag.MtrDrvDiag_Per1_MtrDrvrInitStart_Cnt_Igc	target_MtrDrvDiag_Per1_MtrDrvrInitStart_0	Cnt_lgc	
Name	Actual Value	Expected Value	Result
SVDiag_FETFaultPhase_Cnt_M_enum	0	0	~
SVDiag_FETFaultType_Cnt_M_enum	0	0	~
SVDiag_GateDriveFltAcc_Cnt_M_u16	10000	10000 ± 1	~
SVDiag_GenGateDriveFltAcc_Cnt_M_u16	10	10 ± 1	~
SVDiag_MtrDrvInitActive_Cnt_M_lgc	1	1	~
SVDiag_MtrDrvInitComp_Cnt_M_lgc	0	0	~
SVDiag_MtrDrvInitStartTime_mS_M_u32p0	3125	3125 ± 1	~
SVDiag_OnStateFltAcc_Cnt_M_u16	1111	1111 ± 1	~
SVDiag_ResetWaitLoop_Cnt_M_lgc	0	0	~
target_MtrDrvDiag_Per1_FETFaultPhase_Cnt_enum.value	0	0	~
target_MtrDrvDiag_Per1_FETFaultType_Cnt_enum.value	0	0	~
target_MtrDrvDiag_Per1_GateDriveResetActive_Cnt_lgc.value	0	0	~
target_MtrDrvDiag_Per1_MtrDrvrInitComplete_Cnt_lgc.value	0	0	~

Test Step Call Trace				
Actual Function	Count	Expected Function	Count	Result
Rte_Call_MtrDrvDiag_Per1_CP0_CheckpointReached	1	Rte_Call_MtrDrvDiag_Per1_CP0_CheckpointReached	1	~
Rte Call MtrDrvDiag Per1 CP1 CheckpointReached	1	Rte Call MtrDrvDiag Per1 CP1 CheckpointReached	1	✓

Test Step 3.2 (Repeat Count = 1)	
	Input Value
Rte_Call_Sa_MtrDrvDiag_FetFlt2Clk_OP_GET(signal)	target_Rte_Call_Sa_MtrDrvDiag_FetFlt2Clk_OP_GET_signal
Rte_Call_Sa_MtrDrvDiag_NxtrDiagMgr_GetNTCFailed(NTCFailed_Ptr_T_lgc)	target_Rte_Call_Sa_MtrDrvDiag_NxtrDiagMgr_GetNTCFailed_NTCFailed_Ptr_T_lgc
Rte Call Sa MtrDrvDiag SystemTime DtrmnElapsedTime mS u16(ElapsedTime)	target_Rte_Call_Sa_MtrDrvDiag_SystemTime_DtrmnElapsedTime_mS_u16_ElapsedTime
Rte_Call_Sa_MtrDrvDiag_SystemTime_DtrmnElapsedTime_uS_u16(ElapsedTime)	target_Rte_Call_Sa_MtrDrvDiag_SystemTime_DtrmnElapsedTime_uS_u16_ElapsedTime
Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_mS_u32(CurrentTime)	target_Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_mS_u32_CurrentTime
Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32(CurrentTime)	target_Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32_CurrentTime
Rte_Inst_Sa_MtrDrvDiag	target_Rte_Inst_Sa_MtrDrvDiag
SVDiag_FETFaultPhase_Cnt_M_enum	2
SVDiag_FETFaultType_Cnt_M_enum	0
SVDiag_GateDriveFltAcc_Cnt_M_u16	60000
SVDiag_GenGateDriveFltAcc_Cnt_M_u16	60
SVDiag_MtrDrvInitActive_Cnt_M_lgc	1
SVDiag_MtrDrvInitComp_Cnt_M_lgc	1
SVDiag_MtrDrvInitStartTime_mS_M_u32p0	6653
SVDiag_OnStateFltAcc_Cnt_M_u16	6666
SVDiag_ResetWaitLoop_Cnt_M_lgc	1
k_GateDriveDiag_Cnt_str.Threshold	10000
k_GateDriveDiag_Cnt_str.PStep	30000
k_GateDriveDiag_Cnt_str.NStep	10000
k_OnStateDiag_Cnt_str.Threshold	6666
k_OnStateDiag_Cnt_str.PStep	16000
k_OnStateDiag_Cnt_str.NStep	6000
target_MtrDrvDiag_Per1_MtrDrvrInitStart_Cnt_lgc.value	1
target_Rte_Call_Sa_MtrDrvDiag_FetFlt2Clk_OP_GET_signal	0
target_Rte_Call_Sa_MtrDrvDiag_NxtrDiagMgr_GetNTCFailed_NTCFailed_Ptr_T_lgr	1
target_Rte_Call_Sa_MtrDrvDiag_SystemTime_DtrmnElapsedTime_mS_u16_Elapse	14000
arget_Rte_Call_Sa_MtrDrvDiag_SystemTime_DtrmnElapsedTime_uS_u16_Elapse	16100
target_Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_mS_u32_CurrentTi	20000
target Rte Call Sa MtrDrvDiag SystemTime GetSystemTime uS u32 CurrentTir	600000
target_Rte_Inst_Sa_MtrDrvDiag.MtrDrvDiag_Per1_FETFaultPhase_Cnt_enum	target_MtrDrvDiag_Per1_FETFaultPhase_Cnt_enum
target_Rte_Inst_Sa_MtrDrvDiag.MtrDrvDiag_Per1_FETFaultType_Cnt_enum	target_MtrDrvDiag_Per1_FETFaultType_Cnt_enum





Name	Input Value		
target_Rte_Inst_Sa_MtrDrvDiag.MtrDrvDiag_Per1_GateDriveResetActive_Cnt_lgc	target_MtrDrvDiag_Per1_GateDriveResetActive_Cnt_lgc		
target_Rte_Inst_Sa_MtrDrvDiag.MtrDrvDiag_Per1_MtrDrvrInitComplete_Cnt_Igc	target_MtrDrvDiag_Per1_MtrDrvrInitComplet	e_Cnt_lgc	
target_Rte_Inst_Sa_MtrDrvDiag.MtrDrvDiag_Per1_MtrDrvrInitStart_Cnt_Igc	target_MtrDrvDiag_Per1_MtrDrvrInitStart_Cr	nt_lgc	
Name	Actual Value	Expected Value	Result
SVDiag_FETFaultPhase_Cnt_M_enum	2	2	~
SVDiag_FETFaultType_Cnt_M_enum	0	0	✓
SVDiag_GateDriveFltAcc_Cnt_M_u16	60000	60000 ± 1	~
SVDiag_GenGateDriveFltAcc_Cnt_M_u16	60	60 ± 1	✓
SVDiag_MtrDrvInitActive_Cnt_M_lgc	1	1	~
SVDiag_MtrDrvInitComp_Cnt_M_lgc	1	1	✓
SVDiag_MtrDrvInitStartTime_mS_M_u32p0	6653	6653 ± 1	~
SVDiag_OnStateFltAcc_Cnt_M_u16	6666	6666 ± 1	✓
SVDiag_ResetWaitLoop_Cnt_M_lgc	0	0	~
target_MtrDrvDiag_Per1_FETFaultPhase_Cnt_enum.value	2	2	•
target_MtrDrvDiag_Per1_FETFaultType_Cnt_enum.value	0	0	~
target_MtrDrvDiag_Per1_GateDriveResetActive_Cnt_lgc.value	0	0	~
target_MtrDrvDiag_Per1_MtrDrvrInitComplete_Cnt_Igc.value	1	1	~

Test Step Call Trace				
Actual Function	Count	Expected Function	Count	Result
Rte_Call_MtrDrvDiag_Per1_CP0_CheckpointReached	1	Rte_Call_MtrDrvDiag_Per1_CP0_CheckpointReached	1	~
ResetGateDrive	1	ResetGateDrive	1	~
SuspendAllInterrupts	1	SuspendAllInterrupts	1	~
Rte_Call_Sa_MtrDrvDiag_FetDrvReset_OP_SET	1	Rte_Call_Sa_MtrDrvDiag_FetDrvReset_OP_SET	1	•
GateDrvWaitTime	1	GateDrvWaitTime	1	~
Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32	1	Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32	1	•
Rte_Call_Sa_MtrDrvDiag_SystemTime_DtrmnElapsedTime_uS_u16	1	Rte_Call_Sa_MtrDrvDiag_SystemTime_DtrmnElapsedTime_uS_u16	1	~
Rte_Call_Sa_MtrDrvDiag_FetDrvReset_OP_SET	1	Rte_Call_Sa_MtrDrvDiag_FetDrvReset_OP_SET	1	~
ResumeAllInterrupts	1	ResumeAllInterrupts	1	~
Rte_Call_MtrDrvDiag_Per1_CP1_CheckpointReached	1	Rte_Call_MtrDrvDiag_Per1_CP1_CheckpointReached	1	~

Name	Input Value		
Rte Call Sa MtrDrvDiag FetFlt2Clk OP GET(signal)	target Rte Call Sa MtrDrvDiag FetFlt2Clk	OP GET signal	
Rte Call Sa MtrDrvDiag NxtrDiagMgr GetNTCFailed(NTCFailed Ptr T lgc)	target Rte Call Sa MtrDrvDiag NxtrDiagM	,	
Rte Call Sa MtrDrvDiag SystemTime DtrmnElapsedTime mS u16(ElapsedTime)		ne DtrmnElapsedTime mS u16 ElapsedTime	
Rte Call Sa MtrDrvDiag SystemTime DtrmnElapsedTime uS u16(ElapsedTime)		ne DtrmnElapsedTime uS u16 ElapsedTime	
Rte Call Sa MtrDrvDiag SystemTime GetSystemTime mS u32(CurrentTime)	target Rte Call Sa MtrDrvDiag SystemTim		
Rte Call Sa MtrDrvDiag SystemTime GetSystemTime uS u32(CurrentTime)	target Rte Call Sa MtrDrvDiag SystemTim		
Rte Inst Sa MtrDrvDiag	target Rte Inst Sa MtrDrvDiag	_ ,	
	3		
SVDiag FETFaultType Cnt M enum	2		
SVDiag GateDriveFltAcc Cnt M u16	0		
SVDiag_GenGateDriveFltAcc_Cnt_M_u16	70		
SVDiag_MtrDrvInitActive_Cnt_M_lgc	0		
SVDiag_MtrDrvInitComp_Cnt_M_lgc	1		
SVDiag MtrDrvInitStartTime mS M u32p0	83462		
SVDiag OnStateFltAcc Cnt M u16	7777		
SVDiag ResetWaitLoop Cnt M lgc	0		
k GateDriveDiag Cnt str.Threshold	15000		
k_GateDriveDiag_Cnt_str.PStep	35000		
k_GateDriveDiag_Cnt_str.NStep	20000		
k_OnStateDiag_Cnt_str.Threshold	7777		
k_OnStateDiag_Cnt_str.PStep	17000		
k_OnStateDiag_Cnt_str.NStep	7000		
target_MtrDrvDiag_Per1_MtrDrvrInitStart_Cnt_lgc.value	1		
target_Rte_Call_Sa_MtrDrvDiag_FetFlt2Clk_OP_GET_signal	1		
target_Rte_Call_Sa_MtrDrvDiag_NxtrDiagMgr_GetNTCFailed_NTCFailed_Ptr_T_lgr	1		
target Rte Call Sa MtrDrvDiag SystemTime DtrmnElapsedTime mS u16 Elapse	17000		
target_Rte_Call_Sa_MtrDrvDiag_SystemTime_DtrmnElapsedTime_uS_u16_Elapse	17100		
target_Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_mS_u32_CurrentTi	23000		
target_Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32_CurrentTir	700000		
target_Rte_Inst_Sa_MtrDrvDiag.MtrDrvDiag_Per1_FETFaultPhase_Cnt_enum	target_MtrDrvDiag_Per1_FETFaultPhase_C	nt_enum	
target_Rte_Inst_Sa_MtrDrvDiag.MtrDrvDiag_Per1_FETFaultType_Cnt_enum	target_MtrDrvDiag_Per1_FETFaultType_Cnt	_enum	
target_Rte_Inst_Sa_MtrDrvDiag.MtrDrvDiag_Per1_GateDriveResetActive_Cnt_Igc	target_MtrDrvDiag_Per1_GateDriveResetAc	tive_Cnt_lgc	
target_Rte_Inst_Sa_MtrDrvDiag.MtrDrvDiag_Per1_MtrDrvrInitComplete_Cnt_Igc	target_MtrDrvDiag_Per1_MtrDrvrInitComplet	e_Cnt_lgc	
target_Rte_Inst_Sa_MtrDrvDiag.MtrDrvDiag_Per1_MtrDrvrInitStart_Cnt_lgc	target_MtrDrvDiag_Per1_MtrDrvrInitStart_Cr	nt_lgc	
Name	Actual Value	Expected Value	Resi
SVDiag_FETFaultPhase_Cnt_M_enum	3	3	
SVDiag FETFaultType Cnt M enum	2	2	

MtrDrvDiag_Per1

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Name	Actual Value	Expected Value	Result
SVDiag_GateDriveFltAcc_Cnt_M_u16	15000	15000 ± 1	✓
SVDiag_GenGateDriveFltAcc_Cnt_M_u16	70	70 ± 1	✓
SVDiag_MtrDrvInitActive_Cnt_M_lgc	0	0	✓
SVDiag_MtrDrvInitComp_Cnt_M_lgc	1	1	✓
SVDiag_MtrDrvInitStartTime_mS_M_u32p0	83462	83462 ± 1	✓
SVDiag_OnStateFltAcc_Cnt_M_u16	7777	7777 ± 1	✓
SVDiag_ResetWaitLoop_Cnt_M_lgc	0	0	✓
target_MtrDrvDiag_Per1_FETFaultPhase_Cnt_enum.value	3	3	✓
target_MtrDrvDiag_Per1_FETFaultType_Cnt_enum.value	2	2	✓
target_MtrDrvDiag_Per1_GateDriveResetActive_Cnt_lgc.value	1	1	✓
target_MtrDrvDiag_Per1_MtrDrvrInitComplete_Cnt_lgc.value	1	1	✓
NTC	0x4C	0x4C	✓
Param	0x01	0x01	✓
Status	0x01	0x01	✓

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Test Step Call Trace

MtrDrvDiag_Per1

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Actual Function		Expected Function		Result
Rte_Call_MtrDrvDiag_Per1_CP0_CheckpointReached	1	Rte_Call_MtrDrvDiag_Per1_CP0_CheckpointReached	1	~
Rte_Call_Sa_MtrDrvDiag_FetFlt1Data_OP_GET	1	Rte_Call_Sa_MtrDrvDiag_FetFlt1Data_OP_GET	1	~
Rte_Call_Sa_MtrDrvDiag_FetFlt2Clk_OP_GET	1	Rte_Call_Sa_MtrDrvDiag_FetFlt2Clk_OP_GET	1	~
Rte_Call_Sa_MtrDrvDiag_NxtrDiagMgr_SetNTCStatus	1	Rte_Call_Sa_MtrDrvDiag_NxtrDiagMgr_SetNTCStatus	1	V
ProcGateDriveFlt Pto Coll So MtrDryDiog NytrDiagMar SchNTCStatus	1	ProcGateDriveFlt Pto Coll So MtrDouDing NytrDingMar SotNTCStatus	1	~
Rte_Call_Sa_MtrDrvDiag_NxtrDiagMgr_SetNTCStatus ReadMtrDrvFltData	1	Rte_Call_Sa_MtrDrvDiag_NxtrDiagMgr_SetNTCStatus ReadMtrDrvFltData	1	
Rte_Call_Sa_MtrDrvDiag_loHwAbPortConfig_SetFetFlt2ToOutput	1	Rte_Call_Sa_MtrDrvDiag_loHwAbPortConfig_SetFetFlt2ToOutput	1	~
Rte_Call_Sa_MtrDrvDiag_FetFlt2Clk_OP_SET	1	Rte_Call_Sa_MtrDrvDiag_FetFlt2Clk_OP_SET	1	
GateDrvWaitTime	1	GateDrvWaitTime	1	
Rte Call Sa MtrDrvDiag SystemTime GetSystemTime uS u32	1	Rte Call Sa MtrDrvDiag SystemTime GetSystemTime uS u32	1	_
Rte_Call_Sa_MtrDrvDiag_SystemTime_DtrmnElapsedTime_uS_u16	1	Rte_Call_Sa_MtrDrvDiag_SystemTime_DtrmnElapsedTime_uS_u16	1	~
Rte_Call_Sa_MtrDrvDiag_FetFlt1Data_OP_GET	1	Rte_Call_Sa_MtrDrvDiag_FetFlt1Data_OP_GET	1	~
Rte_Call_Sa_MtrDrvDiag_FetFlt2Clk_OP_SET	1	Rte_Call_Sa_MtrDrvDiag_FetFlt2Clk_OP_SET	1	•
GateDrvWaitTime	1	GateDrvWaitTime	1	~
Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32	1	Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32	1	~
Rte_Call_Sa_MtrDrvDiag_SystemTime_DtrmnElapsedTime_uS_u16	1	Rte_Call_Sa_MtrDrvDiag_SystemTime_DtrmnElapsedTime_uS_u16	1	~
Rte_Call_Sa_MtrDrvDiag_FetFlt2Clk_OP_SET	1	Rte_Call_Sa_MtrDrvDiag_FetFlt2Clk_OP_SET	1	~
GateDrvWaitTime	1	GateDrvWaitTime	1	~
Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32	1	Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32	1	~
Rte_Call_Sa_MtrDrvDiag_SystemTime_DtrmnElapsedTime_uS_u16	1	Rte_Call_Sa_MtrDrvDiag_SystemTime_DtrmnElapsedTime_uS_u16	1	~
Rte_Call_Sa_MtrDrvDiag_FetFlt1Data_OP_GET	1	Rte_Call_Sa_MtrDrvDiag_FetFlt1Data_OP_GET	1	~
Rte_Call_Sa_MtrDrvDiag_FetFlt2Clk_OP_SET	1	Rte_Call_Sa_MtrDrvDiag_FetFlt2Clk_OP_SET	1	~
GateDrvWaitTime	1	GateDrvWaitTime	1	~
Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32	1	Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32	1	•
Rte_Call_Sa_MtrDrvDiag_SystemTime_DtrmnElapsedTime_uS_u16	1	Rte_Call_Sa_MtrDrvDiag_SystemTime_DtrmnElapsedTime_uS_u16	1	~
Rte_Call_Sa_MtrDrvDiag_FetFlt2Clk_OP_SET	1	Rte_Call_Sa_MtrDrvDiag_FetFlt2Clk_OP_SET	1	V
GateDrvWaitTime	1	GateDrvWaitTime	1	~
Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32	1	Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32	1	
Rte_Call_Sa_MtrDrvDiag_SystemTime_DtrmnElapsedTime_uS_u16	1	Rte_Call_Sa_MtrDrvDiag_SystemTime_DtrmnElapsedTime_uS_u16	1	V
Rte_Call_Sa_MtrDrvDiag_FetFlt1Data_OP_GET	1	Rte_Call_Sa_MtrDrvDiag_FetFlt1Data_OP_GET	1	~
Rte_Call_Sa_MtrDrvDiag_FetFlt2Clk_OP_SET GateDrvWaitTime	1	Rte_Call_Sa_MtrDrvDiag_FetFlt2Clk_OP_SET GateDrvWaitTime	1	
Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32	1	Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32	1	~
Rte_Call_Sa_MtrDrvDiag_SystemTime_DtrmnElapsedTime_uS_u16	1	Rte_Call_Sa_MtrDrvDiag_SystemTime_DtrmnElapsedTime_uS_u16	1	
Rte_Call_Sa_MtrDrvDiag_FetFlt2Clk_OP_SET	1	Rte_Call_Sa_MtrDrvDiag_FetFlt2Clk_OP_SET	1	~
GateDrvWaitTime	1	GateDrvWaitTime	1	_
Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32	1	Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32	1	•
Rte Call Sa MtrDrvDiag SystemTime DtrmnElapsedTime uS u16	1	Rte_Call_Sa_MtrDrvDiag_SystemTime_DtrmnElapsedTime_uS_u16	1	_
Rte_Call_Sa_MtrDrvDiag_FetFlt1Data_OP_GET	1	Rte_Call_Sa_MtrDrvDiag_FetFlt1Data_OP_GET	1	~
Rte_Call_Sa_MtrDrvDiag_FetFlt2Clk_OP_SET	1	Rte_Call_Sa_MtrDrvDiag_FetFlt2Clk_OP_SET	1	~
GateDrvWaitTime	1	GateDrvWaitTime	1	~
Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32	1	Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32	1	~
Rte_Call_Sa_MtrDrvDiag_SystemTime_DtrmnElapsedTime_uS_u16	1	Rte_Call_Sa_MtrDrvDiag_SystemTime_DtrmnElapsedTime_uS_u16	1	~
Rte_Call_Sa_MtrDrvDiag_FetFlt2Clk_OP_SET	1	Rte_Call_Sa_MtrDrvDiag_FetFlt2Clk_OP_SET	1	~
GateDrvWaitTime	1	GateDrvWaitTime	1	~
Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32	1	Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32	1	~
Rte_Call_Sa_MtrDrvDiag_SystemTime_DtrmnElapsedTime_uS_u16	1	Rte_Call_Sa_MtrDrvDiag_SystemTime_DtrmnElapsedTime_uS_u16	1	~
Rte_Call_Sa_MtrDrvDiag_FetFlt1Data_OP_GET	1	Rte_Call_Sa_MtrDrvDiag_FetFlt1Data_OP_GET	1	~
Rte_Call_Sa_MtrDrvDiag_FetFlt2Clk_OP_SET	1	Rte_Call_Sa_MtrDrvDiag_FetFlt2Clk_OP_SET	1	~
GateDrvWaitTime	1	GateDrvWaitTime	1	~
Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32	1	Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32	1	~
Rte_Call_Sa_MtrDrvDiag_SystemTime_DtrmnElapsedTime_uS_u16	1	Rte_Call_Sa_MtrDrvDiag_SystemTime_DtrmnElapsedTime_uS_u16	1	~
Rte_Call_Sa_MtrDrvDiag_FetFlt2Clk_OP_SET	1	Rte_Call_Sa_MtrDrvDiag_FetFlt2Clk_OP_SET	1	~
GateDrvWaitTime	1	GateDrvWaitTime	1	•
Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32	1	Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32 Rte_Call_Sa_MtrDrvDiag_SystemTime_DtrmnElapsedTime_uS_u16	1	~
Rte_Call_Sa_MtrDrvDiag_SystemTime_DtrmnElapsedTime_uS_u16 Rte_Call_Sa_MtrDrvDiag_FetFlt1Data_OP_GET	1	Rte Call Sa MtrDrvDiag FetFlt1Data OP GET	1	~
Rte_Call_Sa_MtrDrvDiag_FetFlt2Clk_OP_SET	1	Rte_Call_Sa_MtrDrvDiag_FetFlt2Clk_OP_SET	1	
GateDrvWaitTime	1	GateDrvWaitTime	1	~
Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32	1	Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32	1	-
Rte_Call_Sa_MtrDrvDiag_SystemTime_DtrmnElapsedTime_uS_u16	1	Rte_Call_Sa_MtrDrvDiag_SystemTime_DtrmnElapsedTime_uS_u16	1	*
Rte_Call_Sa_MtrDrvDiag_FetFlt2Clk_OP_SET	1	Rte_Call_Sa_MtrDrvDiag_FetFlt2Clk_OP_SET	1	-
GateDrvWaitTime	1	GateDrvWaitTime	1	*
Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32	1	Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32	1	~
Rte_Call_Sa_MtrDrvDiag_SystemTime_DtrmnElapsedTime_uS_u16	1	Rte_Call_Sa_MtrDrvDiag_SystemTime_DtrmnElapsedTime_uS_u16	1	~
Rte_Call_Sa_MtrDrvDiag_FetFlt1Data_OP_GET	1	Rte_Call_Sa_MtrDrvDiag_FetFlt1Data_OP_GET	1	-
Rte_Call_Sa_MtrDrvDiag_FetFlt2Clk_OP_SET	1	Rte_Call_Sa_MtrDrvDiag_FetFlt2Clk_OP_SET	1	~
GateDrvWaitTime	1	GateDrvWaitTime	1	~
	1	Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32	1	~
Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32				
Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32 Rte_Call_Sa_MtrDrvDiag_SystemTime_DtrmnElapsedTime_uS_u16	1	Rte_Call_Sa_MtrDrvDiag_SystemTime_DtrmnElapsedTime_uS_u16	1	~
			1	~

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Actual Function	Count	Expected Function	Count	Result
Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32	1	Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32	1	•
Rte_Call_Sa_MtrDrvDiag_SystemTime_DtrmnElapsedTime_uS_u16	1	Rte_Call_Sa_MtrDrvDiag_SystemTime_DtrmnElapsedTime_uS_u16	1	~
Rte_Call_Sa_MtrDrvDiag_FetFlt1Data_OP_GET	1	Rte_Call_Sa_MtrDrvDiag_FetFlt1Data_OP_GET	1	~
Rte_Call_Sa_MtrDrvDiag_FetFlt2Clk_OP_SET	1	Rte_Call_Sa_MtrDrvDiag_FetFlt2Clk_OP_SET	1	~
GateDrvWaitTime	1	GateDrvWaitTime	1	~
Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32	1	Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32	1	~
Rte_Call_Sa_MtrDrvDiag_SystemTime_DtrmnElapsedTime_uS_u16	1	Rte_Call_Sa_MtrDrvDiag_SystemTime_DtrmnElapsedTime_uS_u16	1	~
Rte_Call_Sa_MtrDrvDiag_FetFlt2Clk_OP_SET	1	Rte_Call_Sa_MtrDrvDiag_FetFlt2Clk_OP_SET	1	~
GateDrvWaitTime	1	GateDrvWaitTime	1	~
Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32	1	Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32	1	~
Rte_Call_Sa_MtrDrvDiag_SystemTime_DtrmnElapsedTime_uS_u16	1	Rte_Call_Sa_MtrDrvDiag_SystemTime_DtrmnElapsedTime_uS_u16	1	~
Rte_Call_Sa_MtrDrvDiag_FetFlt1Data_OP_GET	1	Rte_Call_Sa_MtrDrvDiag_FetFlt1Data_OP_GET	1	~
Rte_Call_Sa_MtrDrvDiag_FetFlt2Clk_OP_SET	1	Rte_Call_Sa_MtrDrvDiag_FetFlt2Clk_OP_SET	1	~
GateDrvWaitTime	1	GateDrvWaitTime	1	~
Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32	1	Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32	1	~
Rte_Call_Sa_MtrDrvDiag_SystemTime_DtrmnElapsedTime_uS_u16	1	Rte_Call_Sa_MtrDrvDiag_SystemTime_DtrmnElapsedTime_uS_u16	1	~
Rte_Call_Sa_MtrDrvDiag_FetFlt2Clk_OP_SET	1	Rte_Call_Sa_MtrDrvDiag_FetFlt2Clk_OP_SET	1	~
GateDrvWaitTime	1	GateDrvWaitTime	1	~
Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32	1	Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32	1	~
Rte_Call_Sa_MtrDrvDiag_SystemTime_DtrmnElapsedTime_uS_u16	1	Rte_Call_Sa_MtrDrvDiag_SystemTime_DtrmnElapsedTime_uS_u16	1	~
Rte_Call_Sa_MtrDrvDiag_FetFlt1Data_OP_GET	1	Rte_Call_Sa_MtrDrvDiag_FetFlt1Data_OP_GET	1	~
Rte_Call_Sa_MtrDrvDiag_FetFlt2Clk_OP_SET	1	Rte_Call_Sa_MtrDrvDiag_FetFlt2Clk_OP_SET	1	~
GateDrvWaitTime	1	GateDrvWaitTime	1	~
Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32	1	Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32	1	~
Rte_Call_Sa_MtrDrvDiag_SystemTime_DtrmnElapsedTime_uS_u16	1	Rte_Call_Sa_MtrDrvDiag_SystemTime_DtrmnElapsedTime_uS_u16	1	~
Rte_Call_Sa_MtrDrvDiag_loHwAbPortConfig_SetFetFlt2ToOutput	1	Rte_Call_Sa_MtrDrvDiag_loHwAbPortConfig_SetFetFlt2ToOutput	1	~
ResetGateDrive	1	ResetGateDrive	1	~
SuspendAllInterrupts	1	SuspendAllInterrupts	1	~
Rte_Call_Sa_MtrDrvDiag_FetDrvReset_OP_SET	1	Rte_Call_Sa_MtrDrvDiag_FetDrvReset_OP_SET	1	~
GateDrvWaitTime	1	GateDrvWaitTime	1	~
Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32	1	Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32	1	~
Rte_Call_Sa_MtrDrvDiag_SystemTime_DtrmnElapsedTime_uS_u16	1	Rte_Call_Sa_MtrDrvDiag_SystemTime_DtrmnElapsedTime_uS_u16	1	~
Rte_Call_Sa_MtrDrvDiag_FetDrvReset_OP_SET	1	Rte_Call_Sa_MtrDrvDiag_FetDrvReset_OP_SET	1	~
ResumeAllInterrupts	1	ResumeAllInterrupts	1	~
Rte_Call_MtrDrvDiag_Per1_CP1_CheckpointReached	1	Rte_Call_MtrDrvDiag_Per1_CP1_CheckpointReached	1	~

Test Step 3.4 (Repeat Count = 1)			
Name	Input Value		
Rte_Call_Sa_MtrDrvDiag_FetFlt2Clk_OP_GET(signal)	target_Rte_Call_Sa_MtrDrvDiag_FetFlt2Clk_OP_GET_signal		
Rte_Call_Sa_MtrDrvDiag_NxtrDiagMgr_GetNTCFailed(NTCFailed_Ptr_T_lgc)	target_Rte_Call_Sa_MtrDrvDiag_NxtrDiagMgr_GetNTCFailed_NTCFailed_Ptr_T_lgc		
Rte_Call_Sa_MtrDrvDiag_SystemTime_DtrmnElapsedTime_mS_u16(ElapsedTime)	target_Rte_Call_Sa_MtrDrvDiag_SystemTime_DtrmnElapsedTime_mS_u16_ElapsedTime		
Rte_Call_Sa_MtrDrvDiag_SystemTime_DtrmnElapsedTime_uS_u16(ElapsedTime)	target_Rte_Call_Sa_MtrDrvDiag_SystemTime_DtrmnElapsedTime_uS_u16_ElapsedTime		
Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_mS_u32(CurrentTime)	target_Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_mS_u32_CurrentTime		
Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32(CurrentTime)	target_Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32_CurrentTime		
Rte_Inst_Sa_MtrDrvDiag	target_Rte_Inst_Sa_MtrDrvDiag		
SVDiag_FETFaultPhase_Cnt_M_enum	1		
SVDiag_FETFaultType_Cnt_M_enum	1		
SVDiag_GateDriveFltAcc_Cnt_M_u16	20000		
SVDiag_GenGateDriveFltAcc_Cnt_M_u16	20		
SVDiag_MtrDrvInitActive_Cnt_M_lgc	1		
SVDiag_MtrDrvInitComp_Cnt_M_lgc	0		
SVDiag_MtrDrvInitStartTime_mS_M_u32p0	747		
SVDiag_OnStateFltAcc_Cnt_M_u16	2222		
SVDiag_ResetWaitLoop_Cnt_M_lgc	1		
k_GateDriveDiag_Cnt_str.Threshold	2000		
k_GateDriveDiag_Cnt_str.PStep	10000		
k_GateDriveDiag_Cnt_str.NStep	22220		
k_OnStateDiag_Cnt_str.Threshold	2222		
k_OnStateDiag_Cnt_str.PStep	12000		
k_OnStateDiag_Cnt_str.NStep	2000		
target_MtrDrvDiag_Per1_MtrDrvrInitStart_Cnt_lgc.value	1		
target_Rte_Call_Sa_MtrDrvDiag_FetFlt2Clk_OP_GET_signal	1		
$target_Rte_Call_Sa_MtrDrvDiag_NxtrDiagMgr_GetNTCFailed_NTCFailed_Ptr_T_lgrame and the property of the proper$	1		
$target_Rte_Call_Sa_MtrDrvDiag_SystemTime_DtrmnElapsedTime_mS_u16_ElapsedTime_mSu16$	2000		
$target_Rte_Call_Sa_MtrDrvDiag_SystemTime_DtrmnElapsedTime_uS_u16_Ela$	12100		
$target_Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_mS_u32_CurrentTime_ms_u32_CurrentTime_ms_u32_CurrentTime_ms_u32_CurrentTime_ms_u32_CurrentTime_ms_u32_CurrentTime_ms_u32_CurrentTime_ms_u32_CurrentTime_ms_u32_CurrentTime_ms_u32_CurrentTime_ms_u322_CurrentTime_ms_u322_CurrentTime_ms_u322_CurrentTime_ms_u322_CurrentTime$	8000		
$target_Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32_CurrentTire_ususususususususususususususususususus$	200000		
target_Rte_Inst_Sa_MtrDrvDiag.MtrDrvDiag_Per1_FETFaultPhase_Cnt_enum	target_MtrDrvDiag_Per1_FETFaultPhase_Cnt_enum		
target_Rte_Inst_Sa_MtrDrvDiag.MtrDrvDiag_Per1_FETFaultType_Cnt_enum	target_MtrDrvDiag_Per1_FETFaultType_Cnt_enum		
target_Rte_Inst_Sa_MtrDrvDiag.MtrDrvDiag_Per1_GateDriveResetActive_Cnt_lgc	target_MtrDrvDiag_Per1_GateDriveResetActive_Cnt_lgc		





Name	Input Value		
target_Rte_Inst_Sa_MtrDrvDiag.MtrDrvDiag_Per1_MtrDrvrInitComplete_Cnt_lgc	target_MtrDrvDiag_Per1_MtrDrvrInitComplet	e_Cnt_lgc	
target_Rte_Inst_Sa_MtrDrvDiag.MtrDrvDiag_Per1_MtrDrvrInitStart_Cnt_lgc	target_MtrDrvDiag_Per1_MtrDrvrInitStart_Cr	nt_lgc	
Name	Actual Value	Expected Value	Result
SVDiag_FETFaultPhase_Cnt_M_enum	1	1	~
SVDiag_FETFaultType_Cnt_M_enum	1	1	~
SVDiag_GateDriveFltAcc_Cnt_M_u16	20000	20000 ± 1	~
SVDiag_GenGateDriveFltAcc_Cnt_M_u16	20	20 ± 1	~
SVDiag_MtrDrvInitActive_Cnt_M_lgc	0	0	~
SVDiag_MtrDrvInitComp_Cnt_M_lgc	1	1	~
SVDiag_MtrDrvInitStartTime_mS_M_u32p0	747	747 ± 1	~
SVDiag_OnStateFltAcc_Cnt_M_u16	2222	2222 ± 1	~
SVDiag_ResetWaitLoop_Cnt_M_lgc	1	1	~
target_MtrDrvDiag_Per1_FETFaultPhase_Cnt_enum.value	1	1	~
target_MtrDrvDiag_Per1_FETFaultType_Cnt_enum.value	1	1	~
target_MtrDrvDiag_Per1_GateDriveResetActive_Cnt_lgc.value	0	0	~
target_MtrDrvDiag_Per1_MtrDrvrInitComplete_Cnt_lgc.value	1	1	~

Test Step Call Trace				
Actual Function	Count	Expected Function	Count	Result
Rte_Call_MtrDrvDiag_Per1_CP0_CheckpointReached	1	Rte_Call_MtrDrvDiag_Per1_CP0_CheckpointReached	1	~
MotorDriverInit	1	MotorDriverInit	1	~
Rte_Call_Sa_MtrDrvDiag_SystemTime_DtrmnElapsedTime_mS_u16	1	Rte_Call_Sa_MtrDrvDiag_SystemTime_DtrmnElapsedTime_mS_u16	1	~
ResetGateDrive	1	ResetGateDrive	1	~
SuspendAllInterrupts	1	SuspendAllInterrupts	1	~
Rte_Call_Sa_MtrDrvDiag_FetDrvReset_OP_SET	1	Rte_Call_Sa_MtrDrvDiag_FetDrvReset_OP_SET	1	~
GateDrvWaitTime	1	GateDrvWaitTime	1	-
Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32	1	Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32	1	~
Rte_Call_Sa_MtrDrvDiag_SystemTime_DtrmnElapsedTime_uS_u16	1	Rte_Call_Sa_MtrDrvDiag_SystemTime_DtrmnElapsedTime_uS_u16	1	~
Rte_Call_Sa_MtrDrvDiag_FetDrvReset_OP_SET	1	Rte_Call_Sa_MtrDrvDiag_FetDrvReset_OP_SET	1	~
ResumeAllInterrupts	1	ResumeAllInterrupts	1	~
Rte_Call_MtrDrvDiag_Per1_CP1_CheckpointReached	1	Rte_Call_MtrDrvDiag_Per1_CP1_CheckpointReached	1	~

Test Step 3.5 (Repeat Count = 1)			✓
Name	Input Value		
Rte_Call_Sa_MtrDrvDiag_FetFlt2Clk_OP_GET(signal)	target_Rte_Call_Sa_MtrDrvDiag_FetFlt2Clk_	OP_GET_signal	
Rte_Call_Sa_MtrDrvDiag_NxtrDiagMgr_GetNTCFailed(NTCFailed_Ptr_T_lgc)	target_Rte_Call_Sa_MtrDrvDiag_NxtrDiagMg	gr_GetNTCFailed_NTCFailed_Ptr_T_lgc	
Rte_Call_Sa_MtrDrvDiag_SystemTime_DtrmnElapsedTime_mS_u16(ElapsedTime)	target_Rte_Call_Sa_MtrDrvDiag_SystemTim	e_DtrmnElapsedTime_mS_u16_ElapsedTime	
Rte_Call_Sa_MtrDrvDiag_SystemTime_DtrmnElapsedTime_uS_u16(ElapsedTime)	target_Rte_Call_Sa_MtrDrvDiag_SystemTim	e_DtrmnElapsedTime_uS_u16_ElapsedTime	
Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_mS_u32(CurrentTime)	target_Rte_Call_Sa_MtrDrvDiag_SystemTim	e_GetSystemTime_mS_u32_CurrentTime	
Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32(CurrentTime)	target_Rte_Call_Sa_MtrDrvDiag_SystemTim	e_GetSystemTime_uS_u32_CurrentTime	
Rte_Inst_Sa_MtrDrvDiag	target_Rte_Inst_Sa_MtrDrvDiag		
SVDiag_FETFaultPhase_Cnt_M_enum	1		
SVDiag_FETFaultType_Cnt_M_enum	1		
SVDiag_GateDriveFltAcc_Cnt_M_u16	3000		
SVDiag_GenGateDriveFltAcc_Cnt_M_u16	90		
SVDiag_MtrDrvInitActive_Cnt_M_lgc	0		
SVDiag_MtrDrvInitComp_Cnt_M_lgc	1		
SVDiag_MtrDrvInitStartTime_mS_M_u32p0	832		
SVDiag_OnStateFltAcc_Cnt_M_u16	9999		
SVDiag_ResetWaitLoop_Cnt_M_lgc	0		
k_GateDriveDiag_Cnt_str.Threshold	25000		
k_GateDriveDiag_Cnt_str.PStep	45000		
k_GateDriveDiag_Cnt_str.NStep	40000		
k_OnStateDiag_Cnt_str.Threshold	9999		
k_OnStateDiag_Cnt_str.PStep	19000		
k_OnStateDiag_Cnt_str.NStep	9000		
target_MtrDrvDiag_Per1_MtrDrvrInitStart_Cnt_lgc.value	0		
target_Rte_Call_Sa_MtrDrvDiag_FetFlt2Clk_OP_GET_signal	1		
target Rte Call Sa MtrDrvDiag NxtrDiagMgr GetNTCFailed NTCFailed Ptr T Ign	0		
$target_Rte_Call_Sa_MtrDrvDiag_SystemTime_DtrmnElapsedTime_mS_u16_ElapsedTime_mSu16$	23000		
$target_Rte_Call_Sa_MtrDrvDiag_SystemTime_DtrmnElapsedTime_uS_u16_Ela$	19100		
$target_Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_mS_u32_CurrentTime_mS_u32_CurrentTime_mS_u32_CurrentTime_mS_u32_CurrentTime_mS_u32_CurrentTime_mS_u32_CurrentTime_mS_u32_CurrentTime_mS_u32_CurrentTime_mS_u332_CurrentTi$	100000000		
$target_Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32_CurrentTire_uS_u32_CurrentTire_uS_u32_CurrentTire_uS_u32_CurrentTire_uS_u32_CurrentTire_uS_u32_CurrentTire_uS_u332_Current$	900000		
target_Rte_Inst_Sa_MtrDrvDiag.MtrDrvDiag_Per1_FETFaultPhase_Cnt_enum	target_MtrDrvDiag_Per1_FETFaultPhase_Cr	nt_enum	
target_Rte_Inst_Sa_MtrDrvDiag.MtrDrvDiag_Per1_FETFaultType_Cnt_enum	target_MtrDrvDiag_Per1_FETFaultType_Cnt	_enum	
$target_Rte_Inst_Sa_MtrDrvDiag.MtrDrvDiag_Per1_GateDriveResetActive_Cnt_lgc$	target_MtrDrvDiag_Per1_GateDriveResetAct	tive_Cnt_lgc	
$target_Rte_Inst_Sa_MtrDrvDiag.MtrDrvDiag_Per1_MtrDrvrInitComplete_Cnt_lgc$	target_MtrDrvDiag_Per1_MtrDrvrInitComplet	e_Cnt_lgc	
target_Rte_Inst_Sa_MtrDrvDiag.MtrDrvDiag_Per1_MtrDrvrInitStart_Cnt_Igc	target_MtrDrvDiag_Per1_MtrDrvrInitStart_Cr	nt_lgc	
Name	Actual Value	Expected Value	Result
SVDiag_FETFaultPhase_Cnt_M_enum	3	3	~

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Name	Actual Value	Expected Value	Result
SVDiag_FETFaultType_Cnt_M_enum	2	2	~
SVDiag_GateDriveFltAcc_Cnt_M_u16	3000	3000 ± 1	~
SVDiag_GenGateDriveFltAcc_Cnt_M_u16	90	90 ± 1	~
SVDiag_MtrDrvInitActive_Cnt_M_lgc	0	0	~
SVDiag_MtrDrvInitComp_Cnt_M_lgc	1	1	~
SVDiag_MtrDrvInitStartTime_mS_M_u32p0	832	832 ± 1	~
SVDiag_OnStateFltAcc_Cnt_M_u16	9999	9999 ± 1	~
SVDiag_ResetWaitLoop_Cnt_M_lgc	0	0	~
target_MtrDrvDiag_Per1_FETFaultPhase_Cnt_enum.value	3	3	~
target_MtrDrvDiag_Per1_FETFaultType_Cnt_enum.value	2	2	~
target_MtrDrvDiag_Per1_GateDriveResetActive_Cnt_lgc.value	1	1	~
target_MtrDrvDiag_Per1_MtrDrvrInitComplete_Cnt_lgc.value	1	1	~
NTC	0x4C	0x4C	~
Param	0x01	0x01	~
Status	0x01	0x01	~

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Test Step Call Trace

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Actual Function		Expected Function		Result
Rte_Call_MtrDrvDiag_Per1_CP0_CheckpointReached	1	Rte_Call_MtrDrvDiag_Per1_CP0_CheckpointReached	1	~
Rte_Call_Sa_MtrDrvDiag_FetFlt1Data_OP_GET	1	Rte_Call_Sa_MtrDrvDiag_FetFlt1Data_OP_GET	1	V
Rte_Call_Sa_MtrDrvDiag_FetFlt2Clk_OP_GET	1	Rte_Call_Sa_MtrDrvDiag_FetFlt2Clk_OP_GET	1	~
Rte_Call_Sa_MtrDrvDiag_NxtrDiagMgr_SetNTCStatus	1	Rte_Call_Sa_MtrDrvDiag_NxtrDiagMgr_SetNTCStatus	1	V
ProcBridgeFit Pto Coll So MtrDr/Diog NytrDiogMar CotNTCEpilod	1	ProcBridgeFlt Rte Call Sa MtrDrvDiag NxtrDiagMgr GetNTCFailed	1	~
Rte_Call_Sa_MtrDrvDiag_NxtrDiagMgr_GetNTCFailed ReadMtrDrvFltData	1	ReadMtrDrvFltData	1	Ž
Rte_Call_Sa_MtrDrvDiag_loHwAbPortConfig_SetFetFlt2ToOutput	1	Rte_Call_Sa_MtrDrvDiag_loHwAbPortConfig_SetFetFlt2ToOutput	1	~
Rte Call Sa MtrDrvDiag FetFlt2Clk OP SET	1	Rte_Call_Sa_MtrDrvDiag_FetFlt2Clk_OP_SET	1	
GateDrvWaitTime	1	GateDrvWaitTime	1	
Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32	1	Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32	1	
Rte_Call_Sa_MtrDrvDiag_SystemTime_DtrmnElapsedTime_uS_u16	1	Rte Call Sa MtrDrvDiag SystemTime DtrmnElapsedTime uS u16	1	~
Rte_Call_Sa_MtrDrvDiag_FetFlt1Data_OP_GET	1	Rte Call Sa MtrDrvDiag FetFlt1Data OP GET	1	_
Rte_Call_Sa_MtrDrvDiag_FetFlt2Clk_OP_SET	1	Rte_Call_Sa_MtrDrvDiag_FetFlt2Clk_OP_SET	1	~
GateDrvWaitTime	1	GateDrvWaitTime	1	_
Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32	1	Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32	1	~
Rte_Call_Sa_MtrDrvDiag_SystemTime_DtrmnElapsedTime_uS_u16	1	Rte_Call_Sa_MtrDrvDiag_SystemTime_DtrmnElapsedTime_uS_u16	1	~
Rte_Call_Sa_MtrDrvDiag_FetFlt2Clk_OP_SET	1	Rte_Call_Sa_MtrDrvDiag_FetFlt2Clk_OP_SET	1	~
GateDrvWaitTime	1	GateDrvWaitTime	1	~
Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32	1	Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32	1	~
Rte_Call_Sa_MtrDrvDiag_SystemTime_DtrmnElapsedTime_uS_u16	1	Rte_Call_Sa_MtrDrvDiag_SystemTime_DtrmnElapsedTime_uS_u16	1	~
Rte_Call_Sa_MtrDrvDiag_FetFlt1Data_OP_GET	1	Rte_Call_Sa_MtrDrvDiag_FetFlt1Data_OP_GET	1	•
Rte_Call_Sa_MtrDrvDiag_FetFlt2Clk_OP_SET	1	Rte_Call_Sa_MtrDrvDiag_FetFlt2Clk_OP_SET	1	~
GateDrvWaitTime	1	GateDrvWaitTime	1	~
Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32	1	Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32	1	~
Rte_Call_Sa_MtrDrvDiag_SystemTime_DtrmnElapsedTime_uS_u16	1	Rte_Call_Sa_MtrDrvDiag_SystemTime_DtrmnElapsedTime_uS_u16	1	~
Rte_Call_Sa_MtrDrvDiag_FetFlt2Clk_OP_SET	1	Rte_Call_Sa_MtrDrvDiag_FetFlt2Clk_OP_SET	1	~
GateDrvWaitTime	1	GateDrvWaitTime	1	~
Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32	1	Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32	1	~
Rte_Call_Sa_MtrDrvDiag_SystemTime_DtrmnElapsedTime_uS_u16	1	Rte_Call_Sa_MtrDrvDiag_SystemTime_DtrmnElapsedTime_uS_u16	1	~
Rte_Call_Sa_MtrDrvDiag_FetFlt1Data_OP_GET	1	Rte_Call_Sa_MtrDrvDiag_FetFlt1Data_OP_GET	1	•
Rte_Call_Sa_MtrDrvDiag_FetFlt2Clk_OP_SET	1	Rte_Call_Sa_MtrDrvDiag_FetFlt2Clk_OP_SET	1	V
GateDrvWaitTime	1	GateDrvWaitTime	1	•
Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32	1	Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32	1	•
Rte_Call_Sa_MtrDrvDiag_SystemTime_DtrmnElapsedTime_uS_u16 Rte_Call_Sa_MtrDrvDiag_FetFlt2Clk_OP_SET	1	Rte_Call_Sa_MtrDrvDiag_SystemTime_DtrmnElapsedTime_uS_u16 Rte_Call_Sa_MtrDrvDiag_FetFlt2Clk_OP_SET	1	~
GateDryWaitTime	1	GateDrvWaitTime	1	
Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32	1	Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32	1	~
Rte Call Sa MtrDrvDiag SystemTime DtrmnElapsedTime uS u16	1	Rte_Call_Sa_MtrDrvDiag_SystemTime_DtrmnElapsedTime_uS_u16	1	
Rte_Call_Sa_MtrDrvDiag_FetFlt1Data_OP_GET	1	Rte_Call_Sa_MtrDrvDiag_FetFlt1Data_OP_GET	1	~
Rte Call Sa MtrDrvDiag FetFlt2Clk OP SET	1	Rte_Call_Sa_MtrDrvDiag_FetFlt2Clk_OP_SET	1	_
GateDrvWaitTime	1	GateDrvWaitTime	1	✓
Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32	1	Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32	1	~
Rte_Call_Sa_MtrDrvDiag_SystemTime_DtrmnElapsedTime_uS_u16	1	Rte_Call_Sa_MtrDrvDiag_SystemTime_DtrmnElapsedTime_uS_u16	1	•
Rte_Call_Sa_MtrDrvDiag_FetFlt2Clk_OP_SET	1	Rte_Call_Sa_MtrDrvDiag_FetFlt2Clk_OP_SET	1	~
GateDrvWaitTime	1	GateDrvWaitTime	1	~
Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32	1	Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32	1	~
Rte_Call_Sa_MtrDrvDiag_SystemTime_DtrmnElapsedTime_uS_u16	1	Rte_Call_Sa_MtrDrvDiag_SystemTime_DtrmnElapsedTime_uS_u16	1	•
Rte_Call_Sa_MtrDrvDiag_FetFlt1Data_OP_GET	1	Rte_Call_Sa_MtrDrvDiag_FetFlt1Data_OP_GET	1	•
Rte_Call_Sa_MtrDrvDiag_FetFlt2Clk_OP_SET	1	Rte_Call_Sa_MtrDrvDiag_FetFlt2Clk_OP_SET	1	•
GateDrvWaitTime	1	GateDrvWaitTime	1	~
Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32	1	Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32	1	~
Rte_Call_Sa_MtrDrvDiag_SystemTime_DtrmnElapsedTime_uS_u16	1	Rte_Call_Sa_MtrDrvDiag_SystemTime_DtrmnElapsedTime_uS_u16	1	~
Rte_Call_Sa_MtrDrvDiag_FetFlt2Clk_OP_SET	1	Rte_Call_Sa_MtrDrvDiag_FetFlt2Clk_OP_SET	1	~
GateDrvWaitTime	1	GateDrvWaitTime	1	~
Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32	1	Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32	1	~
Rte_Call_Sa_MtrDrvDiag_SystemTime_DtrmnElapsedTime_uS_u16	1	Rte_Call_Sa_MtrDrvDiag_SystemTime_DtrmnElapsedTime_uS_u16	1	~
Rte_Call_Sa_MtrDrvDiag_FetFlt1Data_OP_GET	1	Rte_Call_Sa_MtrDrvDiag_FetFlt1Data_OP_GET	1	~
Rte_Call_Sa_MtrDrvDiag_FetFlt2Clk_OP_SET	1	Rte_Call_Sa_MtrDrvDiag_FetFlt2Clk_OP_SET	1	•
GateDrvWaitTime	1	GateDrvWaitTime	1	V
Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32	1	Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32	1	· ·
Rte_Call_Sa_MtrDrvDiag_SystemTime_DtrmnElapsedTime_uS_u16	1	Rte_Call_Sa_MtrDrvDiag_SystemTime_DtrmnElapsedTime_uS_u16	1	V
Rte_Call_Sa_MtrDrvDiag_FetFlt2Clk_OP_SET	1	Rte_Call_Sa_MtrDrvDiag_FetFlt2Clk_OP_SET	1	•
GateDrvWaitTime Pto Coll So MtrDrvDiog SystemTime CotSystemTime us us use	1	GateDrvWaitTime	1	•
Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32	1	Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32	1	~
Rte_Call_Sa_MtrDrvDiag_SystemTime_DtrmnElapsedTime_uS_u16	1	Rte_Call_Sa_MtrDrvDiag_SystemTime_DtrmnElapsedTime_uS_u16	1	· ·
Rte_Call_Sa_MtrDrvDiag_FetFlt1Data_OP_GET	1	Rte_Call_Sa_MtrDrvDiag_FetFlt1Data_OP_GET	1	~
Rte_Call_Sa_MtrDrvDiag_FetFlt2Clk_OP_SET	1	Rte_Call_Sa_MtrDrvDiag_FetFlt2Clk_OP_SET GateDrvWaitTime	1	~
GateDryWaitTime	1	OdioDivvvaitiiiic		
GateDrvWaitTime Rte Call Sa MtrDrvDiag SystemTime GetSystemTime uS u32	1	Rte Call Sa MtrDryDiag SystemTime GetSystemTime us us2	1	
Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32	1	Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32 Rte_Call_Sa_MtrDrvDiag_SystemTime_DtrmnFlansedTime_uS_u16	1	~
	1 1 1	Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32 Rte_Call_Sa_MtrDrvDiag_SystemTime_DtrmnElapsedTime_uS_u16 Rte_Call_Sa_MtrDrvDiag_FetFlt2Clk_OP_SET	1 1	~

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Actual Function	Count	Expected Function	Count	Result
Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32	1	Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32	1	~
Rte_Call_Sa_MtrDrvDiag_SystemTime_DtrmnElapsedTime_uS_u16	1	Rte_Call_Sa_MtrDrvDiag_SystemTime_DtrmnElapsedTime_uS_u16	1	-
Rte_Call_Sa_MtrDrvDiag_FetFlt1Data_OP_GET	1	Rte_Call_Sa_MtrDrvDiag_FetFlt1Data_OP_GET	1	✓
Rte_Call_Sa_MtrDrvDiag_FetFlt2Clk_OP_SET	1	Rte_Call_Sa_MtrDrvDiag_FetFlt2Clk_OP_SET	1	~
GateDrvWaitTime	1	GateDrvWaitTime	1	~
Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32	1	Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32	1	~
Rte_Call_Sa_MtrDrvDiag_SystemTime_DtrmnElapsedTime_uS_u16	1	Rte_Call_Sa_MtrDrvDiag_SystemTime_DtrmnElapsedTime_uS_u16	1	~
Rte_Call_Sa_MtrDrvDiag_FetFlt2Clk_OP_SET	1	Rte_Call_Sa_MtrDrvDiag_FetFlt2Clk_OP_SET	1	-
GateDrvWaitTime	1	GateDrvWaitTime	1	~
Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32	1	Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32	1	-
Rte_Call_Sa_MtrDrvDiag_SystemTime_DtrmnElapsedTime_uS_u16	1	Rte_Call_Sa_MtrDrvDiag_SystemTime_DtrmnElapsedTime_uS_u16	1	~
Rte_Call_Sa_MtrDrvDiag_FetFlt1Data_OP_GET	1	Rte_Call_Sa_MtrDrvDiag_FetFlt1Data_OP_GET	1	~
Rte_Call_Sa_MtrDrvDiag_FetFlt2Clk_OP_SET	1	Rte_Call_Sa_MtrDrvDiag_FetFlt2Clk_OP_SET	1	~
GateDrvWaitTime	1	GateDrvWaitTime	1	~
Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32	1	Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32	1	~
Rte_Call_Sa_MtrDrvDiag_SystemTime_DtrmnElapsedTime_uS_u16	1	Rte_Call_Sa_MtrDrvDiag_SystemTime_DtrmnElapsedTime_uS_u16	1	~
Rte_Call_Sa_MtrDrvDiag_FetFlt2Clk_OP_SET	1	Rte_Call_Sa_MtrDrvDiag_FetFlt2Clk_OP_SET	1	~
GateDrvWaitTime	1	GateDrvWaitTime	1	~
Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32	1	Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32	1	~
Rte_Call_Sa_MtrDrvDiag_SystemTime_DtrmnElapsedTime_uS_u16	1	Rte_Call_Sa_MtrDrvDiag_SystemTime_DtrmnElapsedTime_uS_u16	1	~
Rte_Call_Sa_MtrDrvDiag_FetFlt1Data_OP_GET	1	Rte_Call_Sa_MtrDrvDiag_FetFlt1Data_OP_GET	1	~
Rte_Call_Sa_MtrDrvDiag_FetFlt2Clk_OP_SET	1	Rte_Call_Sa_MtrDrvDiag_FetFlt2Clk_OP_SET	1	•
GateDrvWaitTime	1	GateDrvWaitTime	1	✓
Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32	1	Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32	1	~
Rte_Call_Sa_MtrDrvDiag_SystemTime_DtrmnElapsedTime_uS_u16	1	Rte_Call_Sa_MtrDrvDiag_SystemTime_DtrmnElapsedTime_uS_u16	1	~
Rte_Call_Sa_MtrDrvDiag_IoHwAbPortConfig_SetFetFlt2ToOutput	1	Rte_Call_Sa_MtrDrvDiag_IoHwAbPortConfig_SetFetFlt2ToOutput	1	~
Rte_Call_Sa_MtrDrvDiag_NxtrDiagMgr_SetNTCStatus	1	Rte_Call_Sa_MtrDrvDiag_NxtrDiagMgr_SetNTCStatus	1	~
ResetGateDrive	1	ResetGateDrive	1	~
SuspendAllInterrupts	1	SuspendAllInterrupts	1	~
Rte_Call_Sa_MtrDrvDiag_FetDrvReset_OP_SET	1	Rte_Call_Sa_MtrDrvDiag_FetDrvReset_OP_SET	1	~
GateDrvWaitTime	1	GateDrvWaitTime	1	~
Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32	1	Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32	1	~
Rte_Call_Sa_MtrDrvDiag_SystemTime_DtrmnElapsedTime_uS_u16	1	Rte_Call_Sa_MtrDrvDiag_SystemTime_DtrmnElapsedTime_uS_u16	1	~
Rte_Call_Sa_MtrDrvDiag_FetDrvReset_OP_SET	1	Rte_Call_Sa_MtrDrvDiag_FetDrvReset_OP_SET	1	~
ResumeAllInterrupts	1	ResumeAllInterrupts	1	~
Rte_Call_MtrDrvDiag_Per1_CP1_CheckpointReached	1	Rte_Call_MtrDrvDiag_Per1_CP1_CheckpointReached	1	~

Test Step 3.6 (Repeat Count = 1)	🗸
Name	Input Value
Rte_Call_Sa_MtrDrvDiag_FetFlt2Clk_OP_GET(signal)	target_Rte_Call_Sa_MtrDrvDiag_FetFlt2Clk_OP_GET_signal
Rte_Call_Sa_MtrDrvDiag_NxtrDiagMgr_GetNTCFailed(NTCFailed_Ptr_T_lgc)	target_Rte_Call_Sa_MtrDrvDiag_NxtrDiagMgr_GetNTCFailed_NTCFailed_Ptr_T_lgc
Rte Call Sa MtrDrvDiag SystemTime DtrmnElapsedTime mS u16(ElapsedTime)	target_Rte_Call_Sa_MtrDrvDiag_SystemTime_DtrmnElapsedTime_mS_u16_ElapsedTime
$Rte_Call_Sa_MtrDrvDiag_SystemTime_DtrmnElapsedTime_uS_u16(ElapsedTime)$	target_Rte_Call_Sa_MtrDrvDiag_SystemTime_DtrmnElapsedTime_uS_u16_ElapsedTime
Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_mS_u32(CurrentTime)	target_Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_mS_u32_CurrentTime
Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32(CurrentTime)	target_Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32_CurrentTime
Rte_Inst_Sa_MtrDrvDiag	target_Rte_Inst_Sa_MtrDrvDiag
SVDiag_FETFaultPhase_Cnt_M_enum	3
SVDiag_FETFaultType_Cnt_M_enum	0
SVDiag_GateDriveFltAcc_Cnt_M_u16	7000
SVDiag_GenGateDriveFltAcc_Cnt_M_u16	100
SVDiag_MtrDrvInitActive_Cnt_M_lgc	0
SVDiag_MtrDrvInitComp_Cnt_M_lgc	1
SVDiag_MtrDrvInitStartTime_mS_M_u32p0	20000
SVDiag_OnStateFltAcc_Cnt_M_u16	0
SVDiag_ResetWaitLoop_Cnt_M_lgc	0
k_GateDriveDiag_Cnt_str.Threshold	45000
k_GateDriveDiag_Cnt_str.PStep	65000
k_GateDriveDiag_Cnt_str.NStep	3333
k_OnStateDiag_Cnt_str.Threshold	14443
k_OnStateDiag_Cnt_str.PStep	23000
k_OnStateDiag_Cnt_str.NStep	1111
target_MtrDrvDiag_Per1_MtrDrvrInitStart_Cnt_lgc.value	1
target_Rte_Call_Sa_MtrDrvDiag_FetFlt2Clk_OP_GET_signal	0
target_Rte_Call_Sa_MtrDrvDiag_NxtrDiagMgr_GetNTCFailed_NTCFailed_Ptr_T_lg	0
$target_Rte_Call_Sa_MtrDrvDiag_SystemTime_DtrmnElapsedTime_mS_u16_Ela$	35000
target_Rte_Call_Sa_MtrDrvDiag_SystemTime_DtrmnElapsedTime_uS_u16_Elapse	23100
$target_Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_mS_u32_CurrentTime_mS_u32_CurrentTime_mS_u32_CurrentTime_mS_u32_CurrentTime_mS_u32_CurrentTime_mS_u32_CurrentTime_mS_u33_Curren$	50000000
target Rte Call Sa MtrDrvDiag SystemTime GetSystemTime uS u32 CurrentTire	1300000
target_Rte_Inst_Sa_MtrDrvDiag.MtrDrvDiag_Per1_FETFaultPhase_Cnt_enum	target_MtrDrvDiag_Per1_FETFaultPhase_Cnt_enum
target_Rte_Inst_Sa_MtrDrvDiag.MtrDrvDiag_Per1_FETFaultType_Cnt_enum	target_MtrDrvDiag_Per1_FETFaultType_Cnt_enum





Name	Input Value		
target_Rte_Inst_Sa_MtrDrvDiag.MtrDrvDiag_Per1_GateDriveResetActive_Cnt_lgc	target_MtrDrvDiag_Per1_GateDriveResetAc	arget_MtrDrvDiag_Per1_GateDriveResetActive_Cnt_lgc	
target_Rte_Inst_Sa_MtrDrvDiag.MtrDrvDiag_Per1_MtrDrvrInitComplete_Cnt_Igc	target_MtrDrvDiag_Per1_MtrDrvrInitComplet	e_Cnt_lgc	
target_Rte_Inst_Sa_MtrDrvDiag.MtrDrvDiag_Per1_MtrDrvrInitStart_Cnt_Igc	target_MtrDrvDiag_Per1_MtrDrvrInitStart_Cr	nt_lgc	
Name	Actual Value	Expected Value	Result
SVDiag_FETFaultPhase_Cnt_M_enum	3	3	~
SVDiag_FETFaultType_Cnt_M_enum	0	0	•
SVDiag_GateDriveFltAcc_Cnt_M_u16	3667	3667 ± 1	~
SVDiag_GenGateDriveFltAcc_Cnt_M_u16	100	100 ± 1	~
SVDiag_MtrDrvInitActive_Cnt_M_lgc	0	0	~
SVDiag_MtrDrvInitComp_Cnt_M_lgc	1	1	~
SVDiag_MtrDrvInitStartTime_mS_M_u32p0	20000	20000 ± 1	~
SVDiag_OnStateFltAcc_Cnt_M_u16	0	0 ± 1	~
SVDiag_ResetWaitLoop_Cnt_M_lgc	0	0	~
target_MtrDrvDiag_Per1_FETFaultPhase_Cnt_enum.value	3	3	~
target_MtrDrvDiag_Per1_FETFaultType_Cnt_enum.value	0	0	~
target_MtrDrvDiag_Per1_GateDriveResetActive_Cnt_lgc.value	0	0	~
target_MtrDrvDiag_Per1_MtrDrvrInitComplete_Cnt_lgc.value	1	1	~
NTC	0x4D	0x4D	~
Param	0x00	0x00	~
Status	0x00	0x00	~
NTC	0x4E	0x4E	~
Param	0x00	0x00	~
Status	0x00	0x00	~
NTC	0x4F	0x4F	~
Param	0x00	0x00	~
Status	0x00	0x00	~

Test Step Call Trace			V	
Actual Function	Count	Expected Function	Count	Result
Rte_Call_MtrDrvDiag_Per1_CP0_CheckpointReached	1	Rte_Call_MtrDrvDiag_Per1_CP0_CheckpointReached	1	~
Rte_Call_Sa_MtrDrvDiag_FetFlt1Data_OP_GET	1	Rte_Call_Sa_MtrDrvDiag_FetFlt1Data_OP_GET	1	•
Rte_Call_Sa_MtrDrvDiag_FetFlt2Clk_OP_GET	1	Rte_Call_Sa_MtrDrvDiag_FetFlt2Clk_OP_GET	1	•
Rte_Call_Sa_MtrDrvDiag_NxtrDiagMgr_SetNTCStatus	3	Rte_Call_Sa_MtrDrvDiag_NxtrDiagMgr_SetNTCStatus	3	~
Rte_Call_MtrDrvDiag_Per1_CP1_CheckpointReached	1	Rte_Call_MtrDrvDiag_Per1_CP1_CheckpointReached	1	-

Test Step 3.7 (Repeat Count = 1)	
Name	Input Value
Rte_Call_Sa_MtrDrvDiag_FetFlt2Clk_OP_GET(signal)	target_Rte_Call_Sa_MtrDrvDiag_FetFlt2Clk_OP_GET_signal
Rte_Call_Sa_MtrDrvDiag_NxtrDiagMgr_GetNTCFailed(NTCFailed_Ptr_T_lgc)	target_Rte_Call_Sa_MtrDrvDiag_NxtrDiagMgr_GetNTCFailed_NTCFailed_Ptr_T_lgc
Rte_Call_Sa_MtrDrvDiag_SystemTime_DtrmnElapsedTime_mS_u16(ElapsedTime)	target_Rte_Call_Sa_MtrDrvDiag_SystemTime_DtrmnElapsedTime_mS_u16_ElapsedTime
Rte_Call_Sa_MtrDrvDiag_SystemTime_DtrmnElapsedTime_uS_u16(ElapsedTime)	target_Rte_Call_Sa_MtrDrvDiag_SystemTime_DtrmnElapsedTime_uS_u16_ElapsedTime
Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_mS_u32(CurrentTime)	target_Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_mS_u32_CurrentTime
Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32(CurrentTime)	target_Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32_CurrentTime
Rte_Inst_Sa_MtrDrvDiag	target_Rte_Inst_Sa_MtrDrvDiag
SVDiag_FETFaultPhase_Cnt_M_enum	0
SVDiag_FETFaultType_Cnt_M_enum	1
SVDiag_GateDriveFltAcc_Cnt_M_u16	11000
SVDiag_GenGateDriveFltAcc_Cnt_M_u16	140
SVDiag_MtrDrvInitActive_Cnt_M_lgc	0
SVDiag_MtrDrvInitComp_Cnt_M_lgc	1
VDiag_MtrDrvInitStartTime_mS_M_u32p0	400000
VDiag_OnStateFltAcc_Cnt_M_u16	15100
SVDiag_ResetWaitLoop_Cnt_M_lgc	0
_GateDriveDiag_Cnt_str.Threshold	65000
_GateDriveDiag_Cnt_str.PStep	14000
_GateDriveDiag_Cnt_str.NStep	65535
_OnStateDiag_Cnt_str.Threshold	14000
_OnStateDiag_Cnt_str.PStep	27000
_OnStateDiag_Cnt_str.NStep	5555
arget_MtrDrvDiag_Per1_MtrDrvrInitStart_Cnt_lgc.value	1
arget_Rte_Call_Sa_MtrDrvDiag_FetFlt2Clk_OP_GET_signal	0
arget_Rte_Call_Sa_MtrDrvDiag_NxtrDiagMgr_GetNTCFailed_NTCFailed_Ptr_T_lgr	0
arget_Rte_Call_Sa_MtrDrvDiag_SystemTime_DtrmnElapsedTime_mS_u16_Elapse	47000
arget_Rte_Call_Sa_MtrDrvDiag_SystemTime_DtrmnElapsedTime_uS_u16_Elapse	2222
arget_Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_mS_u32_CurrentTi	90000000
arget_Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32_CurrentTir	1700000
arget_Rte_Inst_Sa_MtrDrvDiag.MtrDrvDiag_Per1_FETFaultPhase_Cnt_enum	target_MtrDrvDiag_Per1_FETFaultPhase_Cnt_enum
arget_Rte_Inst_Sa_MtrDrvDiag.MtrDrvDiag_Per1_FETFaultType_Cnt_enum	target_MtrDrvDiag_Per1_FETFaultType_Cnt_enum
arget_Rte_Inst_Sa_MtrDrvDiag.MtrDrvDiag_Per1_GateDriveResetActive_Cnt_lgc	target_MtrDrvDiag_Per1_GateDriveResetActive_Cnt_lgc
arget_Rte_Inst_Sa_MtrDrvDiag.MtrDrvDiag_Per1_MtrDrvrInitComplete_Cnt_Igc	target_MtrDrvDiag_Per1_MtrDrvrInitComplete_Cnt_lgc

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Name	Input Value		
target_Rte_Inst_Sa_MtrDrvDiag.MtrDrvDiag_Per1_MtrDrvrInitStart_Cnt_lgc	target_MtrDrvDiag_Per1_MtrDrvrInitStart_0	Cnt_lgc	
Name	Actual Value	Expected Value	Result
SVDiag_FETFaultPhase_Cnt_M_enum	0	0	~
SVDiag_FETFaultType_Cnt_M_enum	1	1	•
SVDiag_GateDriveFltAcc_Cnt_M_u16	0	0 ± 1	•
SVDiag_GenGateDriveFltAcc_Cnt_M_u16	140	140 ± 1	✓
SVDiag_MtrDrvInitActive_Cnt_M_lgc	0	0	•
SVDiag_MtrDrvInitComp_Cnt_M_lgc	1	1	✓
SVDiag_MtrDrvInitStartTime_mS_M_u32p0	400000	400000 ± 1	~
SVDiag_OnStateFltAcc_Cnt_M_u16	9545	9545 ± 1	•
SVDiag_ResetWaitLoop_Cnt_M_lgc	0	0	•
target_MtrDrvDiag_Per1_FETFaultPhase_Cnt_enum.value	0	0	✓
target_MtrDrvDiag_Per1_FETFaultType_Cnt_enum.value	1	1	•
target_MtrDrvDiag_Per1_GateDriveResetActive_Cnt_lgc.value	0	0	✓
target_MtrDrvDiag_Per1_MtrDrvrInitComplete_Cnt_lgc.value	1	1	✓
NTC	0x4D	0x4D	✓
Param	0x00	0x00	~
Status	0x00	0x00	✓
NTC	0x4E	0x4E	•
Param	0x00	0x00	~
Status	0x00	0x00	~
NTC	0x4F	0x4F	~
Param	0x00	0x00	~
Status	0x00	0x00	~

Test Step Call Trace				✓
Actual Function	Count	Expected Function	Count	Result
Rte_Call_MtrDrvDiag_Per1_CP0_CheckpointReached	1	Rte_Call_MtrDrvDiag_Per1_CP0_CheckpointReached	1	~
Rte_Call_Sa_MtrDrvDiag_FetFlt1Data_OP_GET	1	Rte_Call_Sa_MtrDrvDiag_FetFlt1Data_OP_GET	1	~
Rte_Call_Sa_MtrDrvDiag_FetFlt2Clk_OP_GET	1	Rte_Call_Sa_MtrDrvDiag_FetFlt2Clk_OP_GET	1	~
Rte_Call_Sa_MtrDrvDiag_NxtrDiagMgr_SetNTCStatus	3	Rte_Call_Sa_MtrDrvDiag_NxtrDiagMgr_SetNTCStatus	3	~
Rte_Call_MtrDrvDiag_Per1_CP1_CheckpointReached	1	Rte_Call_MtrDrvDiag_Per1_CP1_CheckpointReached	1	-



Test Step 3.8 (Repeat Count = 1)			V
Name	Input Value		
Rte Call Sa MtrDrvDiag FetFlt2Clk OP GET(signal)	target Rte Call Sa MtrDrvDiag FetFlt2Clk	OR GET signal	
Rte_Call_Sa_MtrDrvDiag_NxtrDiagMgr_GetNTCFailed(NTCFailed_Ptr_T_lgc)	<u> </u>	target_Rte_Call_Sa_MtrDrvDiag_NxtrDiagMgr_GetNTCFailed_NTCFailed_Ptr_T_lgc	
Rte_Call_Sa_MtrDrvDiag_SystemTime_DtrmnElapsedTime_mS_u16(ElapsedTime			
Rte_Call_Sa_MtrDrvDiag_SystemTime_DtrmnElapsedTime_uS_u16(ElapsedTime)		ne_DtrmnElapsedTime_uS_u16_ElapsedTime	
Rte Call Sa MtrDrvDiag SystemTime GetSystemTime ms u32(CurrentTime)	target Rte Call Sa MtrDrvDiag SystemTin		
Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32(CurrentTime)	0 = = = 0= /	- /	
Rte Inst Sa MtrDrvDiag	target_Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32_CurrentTime target_Rte_Inst_Sa_MtrDrvDiag		
SVDiag FETFaultPhase Cnt M enum	1		
SVDiag_FETFaultType_Cnt_M_enum	1		
SVDiag GateDriveFltAcc Cnt M u16	8000		
SVDiag_GenGateDriveFltAcc_Cnt_M_u16	110		
SVDiag MtrDrvInitActive Cnt M Igc	0		
SVDiag_MtrDrvInitComp_Cnt_M_lgc	1		
SVDiag MtrDrvInitStartTime mS M u32p0	100000		
SVDiag OnStateFltAcc Cnt M u16	65535		
SVDiag ResetWaitLoop Cnt M lgc	0		
k_GateDriveDiag_Cnt_str.Threshold	50000		
k_GateDriveDiag_Cnt_str.PStep	11000		
k_GateDriveDiag_Cnt_str.NStep	4444		
k_OnStateDiag_Cnt_str.Threshold	11000		
k_OnStateDiag_Cnt_str.PStep	24000		
k_OnStateDiag_Cnt_str.NStep	2222		
target_MtrDrvDiag_Per1_MtrDrvrInitStart_Cnt_lgc.value	0		
target_Rte_Call_Sa_MtrDrvDiag_FetFlt2Clk_OP_GET_signal	0		
target_Rte_Call_Sa_MtrDrvDiag_NxtrDiagMgr_GetNTCFailed_NTCFailed_Ptr_T_lg	g _i 1		
target_Rte_Call_Sa_MtrDrvDiag_SystemTime_DtrmnElapsedTime_mS_u16_Elapse	€ 38000		
target_Rte_Call_Sa_MtrDrvDiag_SystemTime_DtrmnElapsedTime_uS_u16_Elapse	24100		
target_Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_mS_u32_CurrentT	600000000		
target_Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32_CurrentTi			
target_Rte_Inst_Sa_MtrDrvDiag.MtrDrvDiag_Per1_FETFaultPhase_Cnt_enum	target_MtrDrvDiag_Per1_FETFaultPhase_Cnt_enum		
target_Rte_Inst_Sa_MtrDrvDiag.MtrDrvDiag_Per1_FETFaultType_Cnt_enum	target_MtrDrvDiag_Per1_FETFaultType_Cnt_enum		
target_Rte_Inst_Sa_MtrDrvDiag_MtrDrvDiag_Per1_GateDriveResetActive_Cnt_lgc	target_MtrDrvDiag_Per1_GateDriveResetAc	ctive_Cnt_lgc	
target_Rte_Inst_Sa_MtrDrvDiag.MtrDrvDiag_Per1_MtrDrvrInitComplete_Cnt_lgc	target_MtrDrvDiag_Per1_MtrDrvrInitComple	te_Cnt_lgc	
target_Rte_Inst_Sa_MtrDrvDiag.MtrDrvDiag_Per1_MtrDrvrInitStart_Cnt_lgc	target_MtrDrvDiag_Per1_MtrDrvrInitStart_C	nt_lgc	
Name	Actual Value	Expected Value	Result
SVDiag_FETFaultPhase_Cnt_M_enum	1	1	~
SVDiag_FETFaultType_Cnt_M_enum	1	1	•
SVDiag_GateDriveFltAcc_Cnt_M_u16	3556	3556 ± 1	~
SVDiag_GenGateDriveFltAcc_Cnt_M_u16	110	110 ± 1	•
SVDiag_MtrDrvInitActive_Cnt_M_lgc	0	0	~
SVDiag_MtrDrvInitComp_Cnt_M_lgc	1	1	~
SVDiag_MtrDrvInitStartTime_mS_M_u32p0	100000	100000 ± 1	~
SVDiag_OnStateFltAcc_Cnt_M_u16	63313	63313 ± 1	~
SVDiag_ResetWaitLoop_Cnt_M_lgc	0	0	~
target_MtrDrvDiag_Per1_FETFaultPhase_Cnt_enum.value	1	1	~
target_MtrDrvDiag_Per1_FETFaultType_Cnt_enum.value	1	1	~
target_MtrDrvDiag_Per1_GateDriveResetActive_Cnt_lgc.value	0	0	~
target_MtrDrvDiag_Per1_MtrDrvrInitComplete_Cnt_lgc.value	1	1	~
NTC	0x4D	0x4D	~
Param	0x00	0x00	~
Status	0x00	0x00	~
NTC	0x4E	0x4E	~
Param	0x00	0x00	~
Status	I	0.00	✓
Status	0x00	0x00	-
NTC	0x00 0x4F	0x4F	•
			V

Test Step Call Trace				V
Actual Function	Count	Expected Function	Count	Result
Rte_Call_MtrDrvDiag_Per1_CP0_CheckpointReached	1	Rte_Call_MtrDrvDiag_Per1_CP0_CheckpointReached	1	~
Rte_Call_Sa_MtrDrvDiag_FetFlt1Data_OP_GET	1	Rte_Call_Sa_MtrDrvDiag_FetFlt1Data_OP_GET	1	✓
Rte_Call_Sa_MtrDrvDiag_FetFlt2Clk_OP_GET	1	Rte_Call_Sa_MtrDrvDiag_FetFlt2Clk_OP_GET	1	~
Rte_Call_Sa_MtrDrvDiag_NxtrDiagMgr_SetNTCStatus	3	Rte_Call_Sa_MtrDrvDiag_NxtrDiagMgr_SetNTCStatus	3	✓
Pto Call MtrDryDiag Port CP1 ChackpointPeached	1	Pto Call MtrDryDiag Part CP1 ChackpointPeached	1	





Name	Input Value		
Rte Call Sa MtrDrvDiag FetFlt2Clk OP GET(signal)	target Rte Call Sa MtrDrvDiag FetFlt	2Clk OP GET signal	
Rte Call Sa MtrDrvDiag NxtrDiagMgr GetNTCFailed(NTCFailed Ptr T lgc)	target Rte Call Sa MtrDrvDiag NxtrD	iagMgr GetNTCFailed NTCFailed Ptr	T Igc
Rte Call Sa MtrDrvDiag SystemTime DtrmnElapsedTime mS u16(ElapsedTime)	target Rte Call Sa MtrDrvDiag Syste	mTime DtrmnElapsedTime mS u16 El	apsedTime
Rte Call Sa MtrDrvDiag SystemTime DtrmnElapsedTime uS u16(ElapsedTime)	target Rte Call Sa MtrDrvDiag Syste	mTime DtrmnElapsedTime uS u16 Ela	apsedTime
Rte Call Sa MtrDrvDiag SystemTime GetSystemTime mS u32(CurrentTime)	target Rte Call Sa MtrDrvDiag Syste	mTime_GetSystemTime_mS_u32_Curre	entTime
Rte Call Sa MtrDrvDiag SystemTime GetSystemTime uS u32(CurrentTime)		mTime GetSystemTime uS u32 Curre	
Rte_Inst_Sa_MtrDrvDiag	target_Rte_Inst_Sa_MtrDrvDiag		
SVDiag_FETFaultPhase_Cnt_M_enum	1		
SVDiag_FETFaultType_Cnt_M_enum	1		
SVDiag_GateDriveFltAcc_Cnt_M_u16	20000		
SVDiag_GenGateDriveFltAcc_Cnt_M_u16	20		
SVDiag_MtrDrvInitActive_Cnt_M_lgc	1		
SVDiag_MtrDrvInitComp_Cnt_M_lgc	1		
SVDiag_MtrDrvInitStartTime_mS_M_u32p0	747		
SVDiag_OnStateFltAcc_Cnt_M_u16	2222		
SVDiag_ResetWaitLoop_Cnt_M_lgc	0		
k_GateDriveDiag_Cnt_str.Threshold	2000		
k_GateDriveDiag_Cnt_str.PStep	10000		
k_GateDriveDiag_Cnt_str.NStep	22220		
k_OnStateDiag_Cnt_str.Threshold	2222		
k_OnStateDiag_Cnt_str.PStep	12000		
k_OnStateDiag_Cnt_str.NStep	2000		
target_MtrDrvDiag_Per1_MtrDrvrInitStart_Cnt_lgc.value	1		
target_Rte_Call_Sa_MtrDrvDiag_FetFlt2Clk_OP_GET_signal	1		
target_Rte_Call_Sa_MtrDrvDiag_NxtrDiagMgr_GetNTCFailed_NTCFailed_Ptr_T_lgr	0		
target_Rte_Call_Sa_MtrDrvDiag_SystemTime_DtrmnElapsedTime_mS_u16_Elapse	2000		
target_Rte_Call_Sa_MtrDrvDiag_SystemTime_DtrmnElapsedTime_uS_u16_Elapse	12100		
target_Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_mS_u32_CurrentTi	8000		
target_Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32_CurrentTir	200000		
target_Rte_Inst_Sa_MtrDrvDiag.MtrDrvDiag_Per1_FETFaultPhase_Cnt_enum	target_MtrDrvDiag_Per1_FETFaultPhas	se_Cnt_enum	
target_Rte_Inst_Sa_MtrDrvDiag.MtrDrvDiag_Per1_FETFaultType_Cnt_enum	target_MtrDrvDiag_Per1_FETFaultType	e_Cnt_enum	
target_Rte_Inst_Sa_MtrDrvDiag.MtrDrvDiag_Per1_GateDriveResetActive_Cnt_Igc	target_MtrDrvDiag_Per1_GateDriveRes	setActive_Cnt_lgc	
target_Rte_Inst_Sa_MtrDrvDiag.MtrDrvDiag_Per1_MtrDrvrInitComplete_Cnt_Igc	target_MtrDrvDiag_Per1_MtrDrvrInitCo	mplete_Cnt_lgc	
target_Rte_Inst_Sa_MtrDrvDiag.MtrDrvDiag_Per1_MtrDrvrInitStart_Cnt_lgc	target_MtrDrvDiag_Per1_MtrDrvrInitSta	irt_Cnt_lgc	
Name	Actual Value	Expected Value	Resu
SVDiag_FETFaultPhase_Cnt_M_enum	1	1	
SVDiag_FETFaultType_Cnt_M_enum	1	1	
SVDiag_GateDriveFltAcc_Cnt_M_u16	20000	20000 ± 1	
SVDiag_GenGateDriveFltAcc_Cnt_M_u16	20	20 ± 1	
SVDiag_MtrDrvInitActive_Cnt_M_lgc	1	1	
SVDiag_MtrDrvInitComp_Cnt_M_lgc	1	1	
SVDiag_MtrDrvInitStartTime_mS_M_u32p0	747	747 ± 1	
SVDiag_OnStateFltAcc_Cnt_M_u16	0	0 ± 1	
SVDiag_ResetWaitLoop_Cnt_M_lgc	1	1	
target_MtrDrvDiag_Per1_FETFaultPhase_Cnt_enum.value	1	1	
target_MtrDrvDiag_Per1_FETFaultType_Cnt_enum.value	1	1	
target_MtrDrvDiag_Per1_GateDriveResetActive_Cnt_lgc.value	1	1	
target_MtrDrvDiag_Per1_MtrDrvrInitComplete_Cnt_lgc.value	1	1	

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Test Step Call Trace

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Actual Function		Expected Function		Result
Rte_Call_MtrDrvDiag_Per1_CP0_CheckpointReached	1	Rte_Call_MtrDrvDiag_Per1_CP0_CheckpointReached	1	~
Rte_Call_Sa_MtrDrvDiag_FetFlt1Data_OP_GET	1	Rte_Call_Sa_MtrDrvDiag_FetFlt1Data_OP_GET	1	V
Rte_Call_Sa_MtrDrvDiag_FetFlt2Clk_OP_GET	1	Rte_Call_Sa_MtrDrvDiag_FetFlt2Clk_OP_GET	1	~
Rte_Call_Sa_MtrDrvDiag_NxtrDiagMgr_SetNTCStatus	1	Rte_Call_Sa_MtrDrvDiag_NxtrDiagMgr_SetNTCStatus	1	V
ProcBridgeFit Pto Coll So MtrDr/Diog NytrDiogMar CotNTCEpilod	1	ProcBridgeFlt Rte Call Sa MtrDrvDiag NxtrDiagMgr GetNTCFailed	1	~
Rte_Call_Sa_MtrDrvDiag_NxtrDiagMgr_GetNTCFailed ReadMtrDrvFltData	1	ReadMtrDrvFltData	1	Ž
Rte_Call_Sa_MtrDrvDiag_loHwAbPortConfig_SetFetFlt2ToOutput	1	Rte_Call_Sa_MtrDrvDiag_loHwAbPortConfig_SetFetFlt2ToOutput	1	~
Rte Call Sa MtrDrvDiag FetFlt2Clk OP SET	1	Rte_Call_Sa_MtrDrvDiag_FetFlt2Clk_OP_SET	1	
GateDrvWaitTime	1	GateDrvWaitTime	1	
Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32	1	Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32	1	
Rte_Call_Sa_MtrDrvDiag_SystemTime_DtrmnElapsedTime_uS_u16	1	Rte Call Sa MtrDrvDiag SystemTime DtrmnElapsedTime uS u16	1	~
Rte_Call_Sa_MtrDrvDiag_FetFlt1Data_OP_GET	1	Rte Call Sa MtrDrvDiag FetFlt1Data OP GET	1	_
Rte_Call_Sa_MtrDrvDiag_FetFlt2Clk_OP_SET	1	Rte_Call_Sa_MtrDrvDiag_FetFlt2Clk_OP_SET	1	~
GateDrvWaitTime	1	GateDrvWaitTime	1	_
Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32	1	Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32	1	~
Rte_Call_Sa_MtrDrvDiag_SystemTime_DtrmnElapsedTime_uS_u16	1	Rte_Call_Sa_MtrDrvDiag_SystemTime_DtrmnElapsedTime_uS_u16	1	~
Rte_Call_Sa_MtrDrvDiag_FetFlt2Clk_OP_SET	1	Rte_Call_Sa_MtrDrvDiag_FetFlt2Clk_OP_SET	1	~
GateDrvWaitTime	1	GateDrvWaitTime	1	~
Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32	1	Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32	1	~
Rte_Call_Sa_MtrDrvDiag_SystemTime_DtrmnElapsedTime_uS_u16	1	Rte_Call_Sa_MtrDrvDiag_SystemTime_DtrmnElapsedTime_uS_u16	1	~
Rte_Call_Sa_MtrDrvDiag_FetFlt1Data_OP_GET	1	Rte_Call_Sa_MtrDrvDiag_FetFlt1Data_OP_GET	1	•
Rte_Call_Sa_MtrDrvDiag_FetFlt2Clk_OP_SET	1	Rte_Call_Sa_MtrDrvDiag_FetFlt2Clk_OP_SET	1	~
GateDrvWaitTime	1	GateDrvWaitTime	1	~
Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32	1	Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32	1	~
Rte_Call_Sa_MtrDrvDiag_SystemTime_DtrmnElapsedTime_uS_u16	1	Rte_Call_Sa_MtrDrvDiag_SystemTime_DtrmnElapsedTime_uS_u16	1	~
Rte_Call_Sa_MtrDrvDiag_FetFlt2Clk_OP_SET	1	Rte_Call_Sa_MtrDrvDiag_FetFlt2Clk_OP_SET	1	~
GateDrvWaitTime	1	GateDrvWaitTime	1	~
Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32	1	Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32	1	~
Rte_Call_Sa_MtrDrvDiag_SystemTime_DtrmnElapsedTime_uS_u16	1	Rte_Call_Sa_MtrDrvDiag_SystemTime_DtrmnElapsedTime_uS_u16	1	~
Rte_Call_Sa_MtrDrvDiag_FetFlt1Data_OP_GET	1	Rte_Call_Sa_MtrDrvDiag_FetFlt1Data_OP_GET	1	•
Rte_Call_Sa_MtrDrvDiag_FetFlt2Clk_OP_SET	1	Rte_Call_Sa_MtrDrvDiag_FetFlt2Clk_OP_SET	1	V
GateDrvWaitTime	1	GateDrvWaitTime	1	•
Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32	1	Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32	1	•
Rte_Call_Sa_MtrDrvDiag_SystemTime_DtrmnElapsedTime_uS_u16 Rte_Call_Sa_MtrDrvDiag_FetFlt2Clk_OP_SET	1	Rte_Call_Sa_MtrDrvDiag_SystemTime_DtrmnElapsedTime_uS_u16 Rte_Call_Sa_MtrDrvDiag_FetFlt2Clk_OP_SET	1	~
GateDryWaitTime	1	GateDrvWaitTime	1	
Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32	1	Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32	1	~
Rte Call Sa MtrDrvDiag SystemTime DtrmnElapsedTime uS u16	1	Rte_Call_Sa_MtrDrvDiag_SystemTime_DtrmnElapsedTime_uS_u16	1	
Rte_Call_Sa_MtrDrvDiag_FetFlt1Data_OP_GET	1	Rte_Call_Sa_MtrDrvDiag_FetFlt1Data_OP_GET	1	~
Rte Call Sa MtrDrvDiag FetFlt2Clk OP SET	1	Rte_Call_Sa_MtrDrvDiag_FetFlt2Clk_OP_SET	1	_
GateDrvWaitTime	1	GateDrvWaitTime	1	✓
Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32	1	Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32	1	~
Rte_Call_Sa_MtrDrvDiag_SystemTime_DtrmnElapsedTime_uS_u16	1	Rte_Call_Sa_MtrDrvDiag_SystemTime_DtrmnElapsedTime_uS_u16	1	•
Rte_Call_Sa_MtrDrvDiag_FetFlt2Clk_OP_SET	1	Rte_Call_Sa_MtrDrvDiag_FetFlt2Clk_OP_SET	1	~
GateDrvWaitTime	1	GateDrvWaitTime	1	~
Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32	1	Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32	1	~
Rte_Call_Sa_MtrDrvDiag_SystemTime_DtrmnElapsedTime_uS_u16	1	Rte_Call_Sa_MtrDrvDiag_SystemTime_DtrmnElapsedTime_uS_u16	1	•
Rte_Call_Sa_MtrDrvDiag_FetFlt1Data_OP_GET	1	Rte_Call_Sa_MtrDrvDiag_FetFlt1Data_OP_GET	1	•
Rte_Call_Sa_MtrDrvDiag_FetFlt2Clk_OP_SET	1	Rte_Call_Sa_MtrDrvDiag_FetFlt2Clk_OP_SET	1	•
GateDrvWaitTime	1	GateDrvWaitTime	1	~
Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32	1	Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32	1	~
Rte_Call_Sa_MtrDrvDiag_SystemTime_DtrmnElapsedTime_uS_u16	1	Rte_Call_Sa_MtrDrvDiag_SystemTime_DtrmnElapsedTime_uS_u16	1	~
Rte_Call_Sa_MtrDrvDiag_FetFlt2Clk_OP_SET	1	Rte_Call_Sa_MtrDrvDiag_FetFlt2Clk_OP_SET	1	~
GateDrvWaitTime	1	GateDrvWaitTime	1	~
Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32	1	Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32	1	~
Rte_Call_Sa_MtrDrvDiag_SystemTime_DtrmnElapsedTime_uS_u16	1	Rte_Call_Sa_MtrDrvDiag_SystemTime_DtrmnElapsedTime_uS_u16	1	~
Rte_Call_Sa_MtrDrvDiag_FetFlt1Data_OP_GET	1	Rte_Call_Sa_MtrDrvDiag_FetFlt1Data_OP_GET	1	~
Rte_Call_Sa_MtrDrvDiag_FetFlt2Clk_OP_SET	1	Rte_Call_Sa_MtrDrvDiag_FetFlt2Clk_OP_SET	1	•
GateDrvWaitTime	1	GateDrvWaitTime	1	✓
Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32	1	Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32	1	· ·
Rte_Call_Sa_MtrDrvDiag_SystemTime_DtrmnElapsedTime_uS_u16	1	Rte_Call_Sa_MtrDrvDiag_SystemTime_DtrmnElapsedTime_uS_u16	1	V
Rte_Call_Sa_MtrDrvDiag_FetFlt2Clk_OP_SET	1	Rte_Call_Sa_MtrDrvDiag_FetFlt2Clk_OP_SET	1	•
GateDrvWaitTime Pto Coll So MtrDrvDiog SystemTime CotSystemTime us us use	1	GateDrvWaitTime	1	•
Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32	1	Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32	1	~
Rte_Call_Sa_MtrDrvDiag_SystemTime_DtrmnElapsedTime_uS_u16	1	Rte_Call_Sa_MtrDrvDiag_SystemTime_DtrmnElapsedTime_uS_u16	1	· ·
Rte_Call_Sa_MtrDrvDiag_FetFlt1Data_OP_GET	1	Rte_Call_Sa_MtrDrvDiag_FetFlt1Data_OP_GET	1	~
Rte_Call_Sa_MtrDrvDiag_FetFlt2Clk_OP_SET	1	Rte_Call_Sa_MtrDrvDiag_FetFlt2Clk_OP_SET GateDrvWaitTime	1	~
GateDryWaitTime	1	OdioDivvvaitiiiic		
GateDrvWaitTime Rte Call Sa MtrDrvDiag SystemTime GetSystemTime uS u32	1	Rte Call Sa MtrDryDiag SystemTime GetSystemTime us us2	1	
Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32	1	Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32 Rte_Call_Sa_MtrDrvDiag_SystemTime_DtrmnFlansedTime_uS_u16	1	~
	1 1 1	Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32 Rte_Call_Sa_MtrDrvDiag_SystemTime_DtrmnElapsedTime_uS_u16 Rte_Call_Sa_MtrDrvDiag_FetFlt2Clk_OP_SET	1 1	~

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Actual Function	Count	Expected Function	Count	Result
Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32	1	Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32	1	~
Rte_Call_Sa_MtrDrvDiag_SystemTime_DtrmnElapsedTime_uS_u16	1	Rte_Call_Sa_MtrDrvDiag_SystemTime_DtrmnElapsedTime_uS_u16	1	~
Rte_Call_Sa_MtrDrvDiag_FetFlt1Data_OP_GET	1	Rte_Call_Sa_MtrDrvDiag_FetFlt1Data_OP_GET	1	~
Rte_Call_Sa_MtrDrvDiag_FetFlt2Clk_OP_SET	1	Rte_Call_Sa_MtrDrvDiag_FetFlt2Clk_OP_SET	1	~
GateDrvWaitTime	1	GateDrvWaitTime	1	•
Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32	1	Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32	1	~
Rte_Call_Sa_MtrDrvDiag_SystemTime_DtrmnElapsedTime_uS_u16	1	Rte_Call_Sa_MtrDrvDiag_SystemTime_DtrmnElapsedTime_uS_u16	1	•
Rte_Call_Sa_MtrDrvDiag_FetFlt2Clk_OP_SET	1	Rte_Call_Sa_MtrDrvDiag_FetFlt2Clk_OP_SET	1	~
GateDrvWaitTime	1	GateDrvWaitTime	1	•
Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32	1	Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32	1	~
Rte_Call_Sa_MtrDrvDiag_SystemTime_DtrmnElapsedTime_uS_u16	1	Rte_Call_Sa_MtrDrvDiag_SystemTime_DtrmnElapsedTime_uS_u16	1	•
Rte_Call_Sa_MtrDrvDiag_FetFlt1Data_OP_GET	1	Rte_Call_Sa_MtrDrvDiag_FetFlt1Data_OP_GET	1	~
Rte_Call_Sa_MtrDrvDiag_FetFlt2Clk_OP_SET	1	Rte_Call_Sa_MtrDrvDiag_FetFlt2Clk_OP_SET	1	•
GateDrvWaitTime	1	GateDrvWaitTime	1	~
Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32	1	Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32	1	•
Rte_Call_Sa_MtrDrvDiag_SystemTime_DtrmnElapsedTime_uS_u16	1	Rte_Call_Sa_MtrDrvDiag_SystemTime_DtrmnElapsedTime_uS_u16	1	~
Rte_Call_Sa_MtrDrvDiag_FetFlt2Clk_OP_SET	1	Rte_Call_Sa_MtrDrvDiag_FetFlt2Clk_OP_SET	1	~
GateDrvWaitTime	1	GateDrvWaitTime	1	~
Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32	1	Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32	1	•
Rte_Call_Sa_MtrDrvDiag_SystemTime_DtrmnElapsedTime_uS_u16	1	Rte_Call_Sa_MtrDrvDiag_SystemTime_DtrmnElapsedTime_uS_u16	1	~
Rte_Call_Sa_MtrDrvDiag_FetFlt1Data_OP_GET	1	Rte_Call_Sa_MtrDrvDiag_FetFlt1Data_OP_GET	1	•
Rte_Call_Sa_MtrDrvDiag_FetFlt2Clk_OP_SET	1	Rte_Call_Sa_MtrDrvDiag_FetFlt2Clk_OP_SET	1	•
GateDrvWaitTime	1	GateDrvWaitTime	1	•
Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32	1	Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32	1	~
Rte_Call_Sa_MtrDrvDiag_SystemTime_DtrmnElapsedTime_uS_u16	1	Rte_Call_Sa_MtrDrvDiag_SystemTime_DtrmnElapsedTime_uS_u16	1	•
Rte_Call_Sa_MtrDrvDiag_IoHwAbPortConfig_SetFetFlt2ToOutput	1	Rte_Call_Sa_MtrDrvDiag_IoHwAbPortConfig_SetFetFlt2ToOutput	1	~
Rte_Call_Sa_MtrDrvDiag_NxtrDiagMgr_SetNTCStatus	1	Rte_Call_Sa_MtrDrvDiag_NxtrDiagMgr_SetNTCStatus	1	~
Rte_Call_MtrDrvDiag_Per1_CP1_CheckpointReached	1	Rte_Call_MtrDrvDiag_Per1_CP1_CheckpointReached	1	~

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ProcBridgeFlt

Project	MtrDrvDiag
Module	MtrDrvDiag
Test Object	ProcBridgeFlt

Instrumentation: Test Object Only

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

Statistics

Total Testcases	3	
Successful	3	~
Failed	0	
Not Executed	0	

Module Properties

Project Root Directory	D:\Synergy_Work_Area\CBD_MtrDrvDiag
Configuration File	D:\Synergy_Work_Area\CBD_MtrDrvDiag\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)\MtrDrvDiag\src\Sa_MtrDrvDiag.c
Compiler Options	-Dconst= -D_DATA_ACCESS= -DSKIP_MAGIC_NUMBER= -Dstatic= -I\$(PROJECTROOT)\NxtrLib\include -I\$(PROJECTROOT)\StdDef \include -I\$(PROJECTROOT)\MtrDrvDiag\utp\contract\Sa_MtrDrvDiag -I\$(PROJECTROOT)\MtrDrvDiag\utp\contract -I\$(Compiler Install Path)\include

Comments/Description/Spe	cification
Name	Text





Module 'MtrDrvDiag'

Name of Tester: Spoorti Mali

Code File(s) Under Test: Sa_MtrDrvDiag.c Code File(s) Version: 22 Module Design Document:Motor_Driver_Diagnostics_MDD.doc

Module Design Document:Motor_Driver_Diagnostics_MDD.doc
Module Design Document Version: 11
Data Dictionary Version: 11
Unit Test Plan Version: 3
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 1.31
Total FLASH Used (Bytes): 1334
Total RAM Used (Bytes): 17
Total CALS Used (Bytes): 50
Special Test Requirements:
Test Date:01-29-2015
Comments:

Comments:

Note 1:Inline function defined in ""Gloabalmacro.h""

is not unit Tested.

Note 2:In ""GateDrvWaitTime"" function extra code is added in VBA, to exit the while loop and to replicate the usercode functionality of TESSY.

Note 3:In ""ReadMtrDrvFltData""function,""DataHigh_Cnt_T_lgc"" temporary variable and ""Rte_Call_SystemTime_DtrmnElapsedTime_uS_u16"" stub are used as ""DataHigh_Cnt_T_lgc_Array[10]"" and ""Rte_Call_FetFlt1Data_OP_GET_Array[11]"" to replicate the usercode functionality of TESSY.

Note 4:In functions ""ProcGateDriveFlt"" , ""ProcBridgeFlt"" , ""MtrDrvDiag_Per1"", ""ReadMtrDrvFltData"" functions, ""Rte_Call_SystemTime_DtrmnElapsedTime_uS_u16""is not tested with its Min value, to avoid the infinite loop.

Note 5:""CBD_Sandbox_dbg.map"" file is embedded for reference."

Attributes	
Name	Value
Compiler Install Path	\$(ProgramFiles)\Texas Instruments\ccsv4\tools\compiler\tms470_4.9.5
Float Precision	9
InitObjDir	\$(PROJECTROOT)\UnitTestEnv\static_build_files\obj
InitSrcDir	\$(PROJECTROOT)\UnitTestEnv\static_build_files\src
Linker File	\$(PROJECTROOT)\UnitTestEnv\static_build_files\sys_link.cmd
Makefile Template	\$(PROJECTROOT)\UnitTestEnv\config\Nexteer_ts_make_ude_ti_tms570_ps.tpl
Target Install Path	\$(ProgramFiles)\pls
Time Unit	Cycles
Timer Enabled	false
Timer Prescale	0
Timer Resolution	1
UDE Config File	\$(PROJECTROOT)\UnitTestEnv\config\TMS570_UDE_12PIN_JTAG.cfg
Workspace File	D:\Synergy_Work_Area\CBD_MtrDrvDiag\UnitTestEnv\config\UDE_TMS570_DEBUG.WSP



Test Case 1: Metrics Test

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

TC1.1 68 Cycles TC1.2 1190725 Cycles

Description Vector Description

TS1.1"Shortest Execution Path:

((*OnStateFitAccPtr_Cnt_T_u16)<((k_GateDriveDiag_Cnt_str.Threshold)-(k_GateDriveDiag_Cnt_str.PStep) =False && ((*OnStateFitAccPtr_Cnt_T_u16)<((k_GateDriveDiag_Cnt_str.Threshold)-(k_GateDriveDiag_Cnt_str.PStep) =True && (TRUE == DiagFailed_m(*OnStateFitAccPtr_Cnt_T_u16, k_OnStateDiag_Cnt_str))=False

$$\label{thm:control_transform} \begin{split} &TS1.2\text{"Longest Execution Path:} \\ &((^*OnStateFitAccPtr_Cnt_T_u16)<((k_GateDriveDiag_Cnt_str.Threshold)-(k_GateDriveDiag_Cnt_str.PStep) \\ &= &False \&\& \\ &((^*OnStateFitAccPtr_Cnt_T_u16)<((k_GateDriveDiag_Cnt_str.Threshold)-(k_GateDriveDiag_Cnt_str.PStep) \\ &= &GateDriveDiag_Cnt_str.PStep) \end{split}$$

=False && (("OnStateFitAccPtr_Cnt_I_u16)<((k_GateDriveDiag_Cnt_str.1 hreshold)-(k_GateDriveDiag_Cnt_str.1 hreshold)-(k_Gat

Test Step 1.1 (Repeat Count = 1)			~
Name	Input Value		
GenGateDriveFltAccPtr_Cnt_T_u16	target_GenGateDriveFltAccPtr_Cnt_T_u16		
OnStateFltAccPtr_Cnt_T_u16	target_OnStateFltAccPtr_Cnt_T_u16		
Rte_Call_Sa_MtrDrvDiag_NxtrDiagMgr_GetNTCFailed(NTCFailed_Ptr_T_lgc)	target_Rte_Call_Sa_MtrDrvDiag_NxtrDiagMg	r_GetNTCFailed_NTCFailed_Ptr_T_lgc	
Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32(CurrentTime)	target_Rte_Call_Sa_MtrDrvDiag_SystemTime	e_GetSystemTime_uS_u32_CurrentTime	
SVDiag_FETFaultPhase_Cnt_M_enum	2		
SVDiag_FETFaultType_Cnt_M_enum	2		
SVDiag_ResetWaitLoop_Cnt_M_lgc	1		
k_OnStateDiag_Cnt_str.Threshold	65535		
k_OnStateDiag_Cnt_str.PStep	1318		
target_GenGateDriveFltAccPtr_Cnt_T_u16	20		
target_OnStateFltAccPtr_Cnt_T_u16	713		
$target_Rte_Call_Sa_MtrDrvDiag_NxtrDiagMgr_GetNTCFailed_NTCFailed_Ptr_T_lgrame and target_Rte_Call_Sa_MtrDrvDiag_NxtrDiagMgr_GetNTCFailed_NTCFailed_Ptr_T_lgrame and target_Rte_Call_Sa_MtrDrvDiag_NxtrDiagMgr_GetNTCFailed_NxtrDiag$	1		
$target_Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32_CurrentTire_ususususususususususususususususususus$	4000		
Name	Actual Value	Expected Value	Result

Name	Actual Value	Expected Value	Result
Rte_Call_Sa_MtrDrvDiag_NxtrDiagMgr_SetNTCStatus(NTC_Cnt_T_enum)	0	*none*	~
Rte_Call_Sa_MtrDrvDiag_NxtrDiagMgr_SetNTCStatus(Param_Cnt_T_u08)	0	*none*	~
Rte_Call_Sa_MtrDrvDiag_NxtrDiagMgr_SetNTCStatus(Status_Cnt_T_enum)	0	*none*	~
SVDiag_FETFaultPhase_Cnt_M_enum	2	2	✓
SVDiag_FETFaultType_Cnt_M_enum	2	2	~
SVDiag_ResetWaitLoop_Cnt_M_lgc	1	1	•
target_GenGateDriveFltAccPtr_Cnt_T_u16	20	20	~
target_OnStateFltAccPtr_Cnt_T_u16	2031	2031	✓

Test Step Call Trace				✓
Actual Function	Count	Expected Function	Count	Result
none	0	*** No Call Expected ***	0	~

Name	Input Value		
GenGateDriveFltAccPtr_Cnt_T_u16	target_GenGateDriveFltAccPtr_Cnt_T_u16		
OnStateFltAccPtr_Cnt_T_u16	target_OnStateFltAccPtr_Cnt_T_u16		
Rte_Call_Sa_MtrDrvDiag_NxtrDiagMgr_GetNTCFailed(NTCFailed_Ptr_T_lgc)	target_Rte_Call_Sa_MtrDrvDiag_NxtrDiagM	gr_GetNTCFailed_NTCFailed_Ptr_T_lgc	
Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32(CurrentTime)	target_Rte_Call_Sa_MtrDrvDiag_SystemTim	ne_GetSystemTime_uS_u32_CurrentTime	
SVDiag_FETFaultPhase_Cnt_M_enum	2		
SVDiag_FETFaultType_Cnt_M_enum	0		
SVDiag_ResetWaitLoop_Cnt_M_lgc	1		
k_OnStateDiag_Cnt_str.Threshold	455		
k_OnStateDiag_Cnt_str.PStep	376		
target_GenGateDriveFltAccPtr_Cnt_T_u16	200		
target_OnStateFltAccPtr_Cnt_T_u16	134		
$target_Rte_Call_Sa_MtrDrvDiag_NxtrDiagMgr_GetNTCFailed_NTCFailed_Ptr_T_lgrame and the property of the proper$	0		
$target_Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32_CurrentTime_us_u32_CurrentTime_us_u32_CurrentTime_us_u32_CurrentTime_us_u32_CurrentTime_us_u32_CurrentTime_us_u32_CurrentTime_us_u332_CurrentT$	r 4294967295		
Name	Actual Value	Expected Value	Result
Rte_Call_Sa_MtrDrvDiag_NxtrDiagMgr_SetNTCStatus(NTC_Cnt_T_enum)	79	79	-
Rte_Call_Sa_MtrDrvDiag_NxtrDiagMgr_SetNTCStatus(Param_Cnt_T_u08)	1	1	-
Rte_Call_Sa_MtrDrvDiag_NxtrDiagMgr_SetNTCStatus(Status_Cnt_T_enum)	1	1	•
			•

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ProcBridgeFlt

Name	Actual Value	Expected Value	Result
SVDiag_FETFaultPhase_Cnt_M_enum	3	3	
SVDiag_FETFaultType_Cnt_M_enum	2	2	✓
SVDiag_ResetWaitLoop_Cnt_M_lgc	1	1	✓
target_GenGateDriveFltAccPtr_Cnt_T_u16	200	200	✓
target_OnStateFltAccPtr_Cnt_T_u16	455	455	✓

ProcBridgeFlt

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ProcBridgeFlt



Actual Function		Expected Function	Count	Result
Rte_Call_Sa_MtrDrvDiag_NxtrDiagMgr_GetNTCFailed	1	Rte_Call_Sa_MtrDrvDiag_NxtrDiagMgr_GetNTCFailed	1	~
ReadMtrDrvFltData	1	ReadMtrDrvFltData	1	~
Rte_Call_Sa_MtrDrvDiag_loHwAbPortConfig_SetFetFlt2ToOutput Rte_Call_Sa_MtrDrvDiag_FetFlt2Clk_OP_SET	1	Rte_Call_Sa_MtrDrvDiag_IoHwAbPortConfig_SetFetFlt2ToOutput Rte_Call_Sa_MtrDrvDiag_FetFlt2Clk_OP_SET	1	~
GateDrvWaitTime	1	GateDrvWaitTime	1	
Rte Call Sa MtrDrvDiag SystemTime GetSystemTime uS u32	1	Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32	1	~
Rte_Call_Sa_MtrDrvDiag_SystemTime_DtrmnElapsedTime_uS_u16	1	Rte_Call_Sa_MtrDrvDiag_SystemTime_DtrmnElapsedTime_uS_u16	1	~
Rte_Call_Sa_MtrDrvDiag_FetFlt1Data_OP_GET	1	Rte_Call_Sa_MtrDrvDiag_FetFlt1Data_OP_GET	1	•
Rte_Call_Sa_MtrDrvDiag_FetFlt2Clk_OP_SET	1	Rte_Call_Sa_MtrDrvDiag_FetFlt2Clk_OP_SET	1	~
GateDrvWaitTime	1	GateDrvWaitTime	1	~
Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32	1	Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32	1	~
Rte_Call_Sa_MtrDrvDiag_SystemTime_DtrmnElapsedTime_uS_u16	1	Rte_Call_Sa_MtrDrvDiag_SystemTime_DtrmnElapsedTime_uS_u16	1	~
Rte_Call_Sa_MtrDrvDiag_FetFlt2Clk_OP_SET	1	Rte_Call_Sa_MtrDrvDiag_FetFlt2Clk_OP_SET	1	•
GateDrvWaitTime Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32	1	GateDrvWaitTime Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32	1	
Rte_Call_Sa_MtrDrvDiag_SystemTime_DtrmnElapsedTime_uS_u16	1	Rte_Call_Sa_MtrDrvDiag_SystemTime_DtrmnElapsedTime_uS_u16	1	~
Rte_Call_Sa_MtrDrvDiag_FetFlt1Data_OP_GET	1	Rte_Call_Sa_MtrDrvDiag_FetFlt1Data_OP_GET	1	•
Rte_Call_Sa_MtrDrvDiag_FetFlt2Clk_OP_SET	1	Rte_Call_Sa_MtrDrvDiag_FetFlt2Clk_OP_SET	1	~
GateDrvWaitTime	1	GateDrvWaitTime	1	~
Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32	1	Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32	1	•
Rte_Call_Sa_MtrDrvDiag_SystemTime_DtrmnElapsedTime_uS_u16	1	Rte_Call_Sa_MtrDrvDiag_SystemTime_DtrmnElapsedTime_uS_u16	1	~
Rte_Call_Sa_MtrDrvDiag_FetFlt2Clk_OP_SET	1	Rte_Call_Sa_MtrDrvDiag_FetFlt2Clk_OP_SET	1	~
GateDrvWaitTime	1	GateDrvWaitTime	1	•
Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32 Rte_Call_Sa_MtrDrvDiag_SystemTime_DtrmnElapsedTime_uS_u16	1 253	Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32	1 253	~
Rte Call Sa MtrDrvDiag FetFlt1Data OP GET	1	Rte_Call_Sa_MtrDrvDiag_SystemTime_DtrmnElapsedTime_uS_u16 Rte_Call_Sa_MtrDrvDiag_FetFlt1Data_OP_GET	1	~
Rte Call Sa MtrDrvDiag FetFlt2Clk OP SET	1	Rte_Call_Sa_MtrDrvDiag_FetFlt2Clk_OP_SET	1	
GateDrvWaitTime	1	GateDrvWaitTime	1	~
Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32	1	Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32	1	~
Rte_Call_Sa_MtrDrvDiag_SystemTime_DtrmnElapsedTime_uS_u16	1	Rte_Call_Sa_MtrDrvDiag_SystemTime_DtrmnElapsedTime_uS_u16	1	•
Rte_Call_Sa_MtrDrvDiag_FetFlt2Clk_OP_SET	1	Rte_Call_Sa_MtrDrvDiag_FetFlt2Clk_OP_SET	1	~
GateDrvWaitTime	1	GateDrvWaitTime	1	•
Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32	1	Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32	1	~
Rte_Call_Sa_MtrDrvDiag_SystemTime_DtrmnElapsedTime_uS_u16	1	Rte_Call_Sa_MtrDrvDiag_SystemTime_DtrmnElapsedTime_uS_u16	1	~
Rte_Call_Sa_MtrDrvDiag_FetFlt1Data_OP_GET	1	Rte_Call_Sa_MtrDrvDiag_FetFlt1Data_OP_GET	1	~
Rte_Call_Sa_MtrDrvDiag_FetFlt2Clk_OP_SET	1	Rte_Call_Sa_MtrDrvDiag_FetFlt2Clk_OP_SET	1	~
GateDrvWaitTime Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32	1	GateDrvWaitTime Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32	1	~
Rte Call Sa MtrDrvDiag SystemTime DtrmnElapsedTime uS u16	1	Rte_Call_Sa_MtrDrvDiag_SystemTime_DtrmnElapsedTime_uS_u16	1	
Rte_Call_Sa_MtrDrvDiag_FetFlt2Clk_OP_SET	1	Rte_Call_Sa_MtrDrvDiag_FetFlt2Clk_OP_SET	1	V
GateDrvWaitTime	1	GateDrvWaitTime	1	~
Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32	1	Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32	1	~
Rte_Call_Sa_MtrDrvDiag_SystemTime_DtrmnElapsedTime_uS_u16	253	Rte_Call_Sa_MtrDrvDiag_SystemTime_DtrmnElapsedTime_uS_u16	253	~
Rte_Call_Sa_MtrDrvDiag_FetFlt1Data_OP_GET	1	Rte_Call_Sa_MtrDrvDiag_FetFlt1Data_OP_GET	1	•
Rte_Call_Sa_MtrDrvDiag_FetFlt2Clk_OP_SET	1	Rte_Call_Sa_MtrDrvDiag_FetFlt2Clk_OP_SET	1	~
GateDrvWaitTime	1	GateDrvWaitTime	1	~
Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32 Rte_Call_Sa_MtrDrvDiag_SystemTime_DtrmnElapsedTime_uS_u16	1	Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32 Rte_Call_Sa_MtrDrvDiag_SystemTime_DtrmnElapsedTime_uS_u16	1	~
Rte Call Sa MtrDrvDiag FetFlt2Clk OP SET	1	Rte Call Sa MtrDrvDiag FetFlt2Clk OP SET	1	
GateDrvWaitTime	1	GateDrvWaitTime	1	•
Rte Call Sa MtrDrvDiag SystemTime GetSystemTime uS u32	1	Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32	1	•
Rte_Call_Sa_MtrDrvDiag_SystemTime_DtrmnElapsedTime_uS_u16	1	Rte_Call_Sa_MtrDrvDiag_SystemTime_DtrmnElapsedTime_uS_u16	1	~
Rte_Call_Sa_MtrDrvDiag_FetFlt1Data_OP_GET	1	Rte_Call_Sa_MtrDrvDiag_FetFlt1Data_OP_GET	1	~
Rte_Call_Sa_MtrDrvDiag_FetFlt2Clk_OP_SET	1	Rte_Call_Sa_MtrDrvDiag_FetFlt2Clk_OP_SET	1	~
GateDrvWaitTime	1	GateDrvWaitTime	1	~
Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32	1	Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32	1	~
Rte_Call_Sa_MtrDrvDiag_SystemTime_DtrmnElapsedTime_uS_u16	1	Rte_Call_Sa_MtrDrvDiag_SystemTime_DtrmnElapsedTime_uS_u16	1	V
Rte_Call_Sa_MtrDrvDiag_FetFlt2Clk_OP_SET GateDrvWaitTime	1	Rte_Call_Sa_MtrDrvDiag_FetFlt2Clk_OP_SET GateDrvWaitTime	1	V
Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32	1	Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32	1	~
Rte_Call_Sa_MtrDrvDiag_SystemTime_DtrmnElapsedTime_uS_u16	253	Rte_Call_Sa_MtrDrvDiag_SystemTime_DtrmnElapsedTime_uS_u16	253	~
Rte_Call_Sa_MtrDrvDiag_FetFlt1Data_OP_GET	1	Rte_Call_Sa_MtrDrvDiag_FetFlt1Data_OP_GET	1	~
Rte_Call_Sa_MtrDrvDiag_FetFlt2Clk_OP_SET	1	Rte_Call_Sa_MtrDrvDiag_FetFlt2Clk_OP_SET	1	~
GateDrvWaitTime	1	GateDrvWaitTime	1	~
Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32	1	Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32	1	•
Rte_Call_Sa_MtrDrvDiag_SystemTime_DtrmnElapsedTime_uS_u16	1	Rte_Call_Sa_MtrDrvDiag_SystemTime_DtrmnElapsedTime_uS_u16	1	•
Rte_Call_Sa_MtrDrvDiag_FetFlt2Clk_OP_SET	1	Rte_Call_Sa_MtrDrvDiag_FetFlt2Clk_OP_SET	1	~
GateDrvWaitTime	1	GateDrvWaitTime	1	V
Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32	1	Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32	1	V
Dto Coll Co MtsDn Diog Contractions Dto 51 17 C	1	Rte_Call_Sa_MtrDrvDiag_SystemTime_DtrmnElapsedTime_uS_u16	1	✓
Rte_Call_Sa_MtrDrvDiag_SystemTime_DtrmnElapsedTime_uS_u16			4	
Rte_Call_Sa_MtrDrvDiag_SystemTime_DtrmnElapsedTime_uS_u16 Rte_Call_Sa_MtrDrvDiag_FetFlt1Data_OP_GET Rte_Call_Sa_MtrDrvDiag_FetFlt2Clk_OP_SET	1	Rte_Call_Sa_MtrDrvDiag_FetFlt1Data_OP_GET Rte_Call_Sa_MtrDrvDiag_FetFlt2Clk_OP_SET	1	~

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Actual Function	Count	Expected Function	Count	Result
Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32	1	Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32	1	•
Rte_Call_Sa_MtrDrvDiag_SystemTime_DtrmnElapsedTime_uS_u16	1	Rte_Call_Sa_MtrDrvDiag_SystemTime_DtrmnElapsedTime_uS_u16	1	•
Rte_Call_Sa_MtrDrvDiag_FetFlt2Clk_OP_SET	1	Rte_Call_Sa_MtrDrvDiag_FetFlt2Clk_OP_SET	1	•
GateDrvWaitTime	1	GateDrvWaitTime	1	~
Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32	1	Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32	1	•
Rte_Call_Sa_MtrDrvDiag_SystemTime_DtrmnElapsedTime_uS_u16	253	Rte_Call_Sa_MtrDrvDiag_SystemTime_DtrmnElapsedTime_uS_u16	253	~
Rte_Call_Sa_MtrDrvDiag_FetFlt1Data_OP_GET	1	Rte_Call_Sa_MtrDrvDiag_FetFlt1Data_OP_GET	1	~
Rte_Call_Sa_MtrDrvDiag_FetFlt2Clk_OP_SET	1	Rte_Call_Sa_MtrDrvDiag_FetFlt2Clk_OP_SET	1	~
GateDrvWaitTime	1	GateDrvWaitTime	1	•
Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32	1	Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32	1	~
Rte_Call_Sa_MtrDrvDiag_SystemTime_DtrmnElapsedTime_uS_u16	1	Rte_Call_Sa_MtrDrvDiag_SystemTime_DtrmnElapsedTime_uS_u16	1	~
Rte_Call_Sa_MtrDrvDiag_FetFlt2Clk_OP_SET	1	Rte_Call_Sa_MtrDrvDiag_FetFlt2Clk_OP_SET	1	~
GateDrvWaitTime	1	GateDrvWaitTime	1	•
Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32	1	Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32	1	~
Rte_Call_Sa_MtrDrvDiag_SystemTime_DtrmnElapsedTime_uS_u16	1	Rte_Call_Sa_MtrDrvDiag_SystemTime_DtrmnElapsedTime_uS_u16	1	•
Rte_Call_Sa_MtrDrvDiag_FetFlt1Data_OP_GET	1	Rte_Call_Sa_MtrDrvDiag_FetFlt1Data_OP_GET	1	~
Rte_Call_Sa_MtrDrvDiag_FetFlt2Clk_OP_SET	1	Rte_Call_Sa_MtrDrvDiag_FetFlt2Clk_OP_SET	1	•
GateDrvWaitTime	1	GateDrvWaitTime	1	~
Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32	1	Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32	1	✓
Rte_Call_Sa_MtrDrvDiag_SystemTime_DtrmnElapsedTime_uS_u16	1	Rte_Call_Sa_MtrDrvDiag_SystemTime_DtrmnElapsedTime_uS_u16	1	•
Rte_Call_Sa_MtrDrvDiag_loHwAbPortConfig_SetFetFlt2ToOutput	1	Rte_Call_Sa_MtrDrvDiag_IoHwAbPortConfig_SetFetFlt2ToOutput	1	•
Rte_Call_Sa_MtrDrvDiag_NxtrDiagMgr_SetNTCStatus	1	Rte_Call_Sa_MtrDrvDiag_NxtrDiagMgr_SetNTCStatus	1	~



Test Case 2: Boundary Test

Specification

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

TC2.1 1202989 Cycles
TC2.2 1198188 Cycles
TC2.3 1198036 Cycles
TC2.3 1198036 Cycles
TC2.4 1197712 Cycles
TC2.5 1198050 Cycles
TC2.5 1198050 Cycles
TC2.7 1203125 Cycles
TC2.7 1203125 Cycles
TC2.8 68 Cycles
TC2.9 1198621 Cycles
TC2.10 54 Cycles
TC2.11 1197449 Cycles
TC2.12 54 Cycles
TC2.12 54 Cycles
TC2.13 1207741 Cycles
TC2.14 1205823 Cycles
TC2.15 1198495 Cycles
TC2.16 1329144 Cycles
Vector Description

Description Vector Description

TS2.1OnStateFitAccPtr_Cnt_T_u16=min
TS2.2OnStateFitAccPtr_Cnt_T_u16=max
TS2.3OnStateFitAccPtr_Cnt_T_u16=pos
TS2.4GenGateDriveFitAccPtr_Cnt_T_u16=min
TS2.5GenGateDriveFitAccPtr_Cnt_T_u16=max
TS2.6GenGateDriveFitAccPtr_Cnt_T_u16=max
TS2.7k_OnStateDiag_Cnt_str.Threshold=min
TS2.8k_OnStateDiag_Cnt_str.Threshold=min
TS2.8k_OnStateDiag_Cnt_str.Threshold=pos
TS2.10k_OnStateDiag_Cnt_str.Pstep=min
TS2.11k_OnStateDiag_Cnt_str.Pstep=max
TS2.12k_OnStateDiag_Cnt_str.Pstep=pos
TS2.13Rte_Call_NxtrDiagMgr_GetNTCFailed=min
TS2.14Rte_Call_NxtrDiagMgr_GetNTCFailed=max
TS2.15All Min
TS2.16All Max TS2.16All Max

Test Step 2.1 (Repeat Count = 1)	✓
Name	Input Value
GenGateDriveFltAccPtr_Cnt_T_u16	target_GenGateDriveFltAccPtr_Cnt_T_u16
OnStateFltAccPtr_Cnt_T_u16	target_OnStateFltAccPtr_Cnt_T_u16
Rte_Call_Sa_MtrDrvDiag_NxtrDiagMgr_GetNTCFailed(NTCFailed_Ptr_T_lgc)	target_Rte_Call_Sa_MtrDrvDiag_NxtrDiagMgr_GetNTCFailed_NTCFailed_Ptr_T_lgc
Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32(CurrentTime)	target_Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32_CurrentTime
SVDiag_FETFaultPhase_Cnt_M_enum	0
SVDiag_FETFaultType_Cnt_M_enum	0
SVDiag_ResetWaitLoop_Cnt_M_lgc	0
k_OnStateDiag_Cnt_str.Threshold	123
k_OnStateDiag_Cnt_str.PStep	567
target_GenGateDriveFltAccPtr_Cnt_T_u16	120
target_OnStateFltAccPtr_Cnt_T_u16	0
$target_Rte_Call_Sa_MtrDrvDiag_NxtrDiagMgr_GetNTCFailed_NTCFailed_Ptr_T_lgrame and target_Rte_Call_Sa_MtrDrvDiag_NxtrDiagMgr_GetNTCFailed_NTCFailed_Ptr_T_lgrame and target_Rte_Call_Sa_MtrDrvDiag_NxtrDiagMgr_GetNTCFailed_NxtrDiag$	0
$target_Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32_CurrentTire_ususususususususususususususususususus$	5000

Name	Actual Value	Expected Value	Result
Rte_Call_Sa_MtrDrvDiag_NxtrDiagMgr_SetNTCStatus(NTC_Cnt_T_enum)	79	79	~
Rte_Call_Sa_MtrDrvDiag_NxtrDiagMgr_SetNTCStatus(Param_Cnt_T_u08)	1	1	•
Rte_Call_Sa_MtrDrvDiag_NxtrDiagMgr_SetNTCStatus(Status_Cnt_T_enum)	1	1	~
SVDiag_FETFaultPhase_Cnt_M_enum	3	3	•
SVDiag_FETFaultType_Cnt_M_enum	2	2	~
SVDiag_ResetWaitLoop_Cnt_M_lgc	0	0	•
target_GenGateDriveFltAccPtr_Cnt_T_u16	120	120	~
target_OnStateFltAccPtr_Cnt_T_u16	123	123	~

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Actual Function	Count	Expected Function	Count	Result
Rte_Call_Sa_MtrDrvDiag_NxtrDiagMgr_GetNTCFailed	1	Rte_Call_Sa_MtrDrvDiag_NxtrDiagMgr_GetNTCFailed	1	~
ReadMtrDrvFltData	1	ReadMtrDrvFltData	1	~
Rte_Call_Sa_MtrDrvDiag_loHwAbPortConfig_SetFetFlt2ToOutput	1	Rte_Call_Sa_MtrDrvDiag_IoHwAbPortConfig_SetFetFlt2ToOutput	1	_
Rte_Call_Sa_MtrDrvDiag_FetFlt2Clk_OP_SET	1	Rte_Call_Sa_MtrDrvDiag_FetFlt2Clk_OP_SET	1	V
GateDrvWaitTime	1	GateDrvWaitTime	1	~
Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32 Rte_Call_Sa_MtrDrvDiag_SystemTime_DtrmnElapsedTime_uS_u16	1	Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32 Rte_Call_Sa_MtrDrvDiag_SystemTime_DtrmnElapsedTime_uS_u16	1	Ž
Rte_Call_Sa_MtrDrvDiag_FetFlt1Data_OP_GET	1	Rte_Call_Sa_MtrDrvDiag_EtFlt1Data_OP_GET	1	·
Rte_Call_Sa_MtrDrvDiag_FetFlt2Clk_OP_SET	1	Rte_Call_Sa_MtrDrvDiag_FetFlt2Clk_OP_SET	1	
GateDrvWaitTime	1	GateDrvWaitTime	1	*
Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32	1	Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32	1	
Rte_Call_Sa_MtrDrvDiag_SystemTime_DtrmnElapsedTime_uS_u16	1	Rte_Call_Sa_MtrDrvDiag_SystemTime_DtrmnElapsedTime_uS_u16	1	~
Rte_Call_Sa_MtrDrvDiag_FetFlt2Clk_OP_SET	1	Rte_Call_Sa_MtrDrvDiag_FetFlt2Clk_OP_SET	1	-
GateDrvWaitTime	1	GateDrvWaitTime	1	~
Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32	1	Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32	1	~
Rte_Call_Sa_MtrDrvDiag_SystemTime_DtrmnElapsedTime_uS_u16	1	Rte_Call_Sa_MtrDrvDiag_SystemTime_DtrmnElapsedTime_uS_u16	1	~
Rte_Call_Sa_MtrDrvDiag_FetFlt1Data_OP_GET	1	Rte_Call_Sa_MtrDrvDiag_FetFlt1Data_OP_GET	1	~
Rte_Call_Sa_MtrDrvDiag_FetFlt2Clk_OP_SET	1	Rte_Call_Sa_MtrDrvDiag_FetFlt2Clk_OP_SET	1	~
GateDrvWaitTime	1	GateDrvWaitTime	1	~
Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32	1	Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32	1	~
Rte_Call_Sa_MtrDrvDiag_SystemTime_DtrmnElapsedTime_uS_u16	1	Rte_Call_Sa_MtrDrvDiag_SystemTime_DtrmnElapsedTime_uS_u16	1	~
Rte_Call_Sa_MtrDrvDiag_FetFlt2Clk_OP_SET	1	Rte_Call_Sa_MtrDrvDiag_FetFlt2Clk_OP_SET	1	~
GateDrvWaitTime	1	GateDrvWaitTime	1	~
Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32	1	Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32	1	✓
Rte_Call_Sa_MtrDrvDiag_SystemTime_DtrmnElapsedTime_uS_u16	253	Rte_Call_Sa_MtrDrvDiag_SystemTime_DtrmnElapsedTime_uS_u16	253	~
Rte_Call_Sa_MtrDrvDiag_FetFlt1Data_OP_GET	1	Rte_Call_Sa_MtrDrvDiag_FetFlt1Data_OP_GET	1	~
Rte_Call_Sa_MtrDrvDiag_FetFlt2Clk_OP_SET	1	Rte_Call_Sa_MtrDrvDiag_FetFlt2Clk_OP_SET	1	~
GateDrvWaitTime	1	GateDrvWaitTime	1	~
Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32	1	Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32	1	~
Rte_Call_Sa_MtrDrvDiag_SystemTime_DtrmnElapsedTime_uS_u16	1	Rte_Call_Sa_MtrDrvDiag_SystemTime_DtrmnElapsedTime_uS_u16	1	V
Rte_Call_Sa_MtrDrvDiag_FetFlt2Clk_OP_SET	1	Rte_Call_Sa_MtrDrvDiag_FetFlt2Clk_OP_SET	1	~
GateDrvWaitTime	1	GateDrvWaitTime	1	
Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32	1	Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32 Rte_Call_Sa_MtrDrvDiag_SystemTime_DtrmnElapsedTime_uS_u16	1	~
Rte_Call_Sa_MtrDrvDiag_SystemTime_DtrmnElapsedTime_uS_u16 Rte_Call_Sa_MtrDrvDiag_FetFlt1Data_OP_GET	1	Rte_Call_Sa_MtrDrvDiag_System** Inte_Dtrime_lapsed** Time_ds_u** Rte_Call_Sa_MtrDrvDiag_FetFlt1Data_OP_GET	1	
Rte_Call_Sa_MtrDrvDiag_FetFlt2Clk_OP_SET	1	Rte_Call_Sa_MtrDrvDiag_FetFlt2Clk_OP_SET	1	· ·
GateDrvWaitTime	1	GateDrvWaitTime	1	
Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32	1	Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32	1	~
Rte_Call_Sa_MtrDrvDiag_SystemTime_DtrmnElapsedTime_uS_u16	1	Rte_Call_Sa_MtrDrvDiag_SystemTime_DtrmnElapsedTime_uS_u16	1	_
Rte_Call_Sa_MtrDrvDiag_FetFlt2Clk_OP_SET	1	Rte_Call_Sa_MtrDrvDiag_FetFlt2Clk_OP_SET	1	~
GateDrvWaitTime	1	GateDrvWaitTime	1	~
Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32	1	Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32	1	~
Rte_Call_Sa_MtrDrvDiag_SystemTime_DtrmnElapsedTime_uS_u16	253	Rte_Call_Sa_MtrDrvDiag_SystemTime_DtrmnElapsedTime_uS_u16	253	~
Rte_Call_Sa_MtrDrvDiag_FetFlt1Data_OP_GET	1	Rte_Call_Sa_MtrDrvDiag_FetFlt1Data_OP_GET	1	~
Rte_Call_Sa_MtrDrvDiag_FetFlt2Clk_OP_SET	1	Rte_Call_Sa_MtrDrvDiag_FetFlt2Clk_OP_SET	1	~
GateDrvWaitTime	1	GateDrvWaitTime	1	~
Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32	1	Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32	1	~
Rte_Call_Sa_MtrDrvDiag_SystemTime_DtrmnElapsedTime_uS_u16	1	Rte_Call_Sa_MtrDrvDiag_SystemTime_DtrmnElapsedTime_uS_u16	1	~
Rte_Call_Sa_MtrDrvDiag_FetFlt2Clk_OP_SET	1	Rte_Call_Sa_MtrDrvDiag_FetFlt2Clk_OP_SET	1	~
GateDrvWaitTime	1	GateDrvWaitTime	1	~
Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32	1	Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32	1	~
Rte_Call_Sa_MtrDrvDiag_SystemTime_DtrmnElapsedTime_uS_u16	1	Rte_Call_Sa_MtrDrvDiag_SystemTime_DtrmnElapsedTime_uS_u16	1	~
Rte_Call_Sa_MtrDrvDiag_FetFlt1Data_OP_GET	1	Rte_Call_Sa_MtrDrvDiag_FetFlt1Data_OP_GET	1	~
Rte_Call_Sa_MtrDrvDiag_FetFlt2Clk_OP_SET	1	Rte_Call_Sa_MtrDrvDiag_FetFlt2Clk_OP_SET	1	~
GateDrvWaitTime	1	GateDrvWaitTime	1	~
Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32	1	Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32	1	~
Rte_Call_Sa_MtrDrvDiag_SystemTime_DtrmnElapsedTime_uS_u16	1	Rte_Call_Sa_MtrDrvDiag_SystemTime_DtrmnElapsedTime_uS_u16	1	V
Rte_Call_Sa_MtrDrvDiag_FetFlt2Clk_OP_SET	1	Rte_Call_Sa_MtrDrvDiag_FetFlt2Clk_OP_SET	1	V
GateDrvWaitTime	1	GateDrvWaitTime	1	V
Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32 Rte_Call_Sa_MtrDrvDiag_SystemTime_DtrmnElapsedTime_uS_u16	253	Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32 Rte_Call_Sa_MtrDrvDiag_SystemTime_DtrmnElapsedTime_uS_u16	253	*
Rte_Call_Sa_MtrDrvDiag_SystemTime_DtrimielapsedTime_uS_uT6 Rte_Call_Sa_MtrDrvDiag_FetFlt1Data_OP_GET	1	Rte_Call_Sa_MtrDrvDiag_SystemTime_DtrimielapsedTime_us_u16 Rte_Call_Sa_MtrDrvDiag_FetFlt1Data_OP_GET	1	~
Rte_Call_Sa_MtrDrvDiag_FetFit1Data_OP_GE1 Rte_Call_Sa_MtrDrvDiag_FetFlt2Clk_OP_SET	1	Rte_Call_Sa_MtrDrvDiag_FetFit1Data_OP_GE1 Rte_Call_Sa_MtrDrvDiag_FetFlt2Clk_OP_SET	1	
GateDrvWaitTime	1	GateDrvWaitTime	1	~
Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32	1	Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32	1	
Rte_Call_Sa_MtrDrvDiag_SystemTime_DtrmnElapsedTime_uS_u16	1	Rte_Call_Sa_MtrDrvDiag_SystemTime_Uscall_Sa_MtrDrvDiag_SystemTime_DtrmnElapsedTime_uS_u16	1	
Rte_Call_Sa_MtrDrvDiag_FetFlt2Clk_OP_SET	1	Rte_Call_Sa_MtrDrvDiag_FetFlt2Clk_OP_SET	1	
GateDrvWaitTime	1	GateDrvWaitTime	1	~
Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32	1	Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32	1	-
	1	Rte_Call_Sa_MtrDrvDiag_SystemTime_DtrmnElapsedTime_uS_u16	1	V
Rte_Call_Sa_MtrDrvDiag_SystemTime DtrmnElapsedTime uS u16				
Rte_Call_Sa_MtrDrvDiag_SystemTime_DtrmnElapsedTime_uS_u16 Rte_Call_Sa_MtrDrvDiag_FetFlt1Data_OP_GET	1	Rte_Call_Sa_MtrDrvDiag_FetFlt1Data_OP_GET	1	✓
	1	Rte_Call_Sa_MtrDrvDiag_FetFlt1Data_OP_GET Rte_Call_Sa_MtrDrvDiag_FetFlt2Clk_OP_SET	1	✓ ✓

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Actual Function	Count	Expected Function	Count	Result
Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32	1	Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32	1	~
Rte_Call_Sa_MtrDrvDiag_SystemTime_DtrmnElapsedTime_uS_u16	1	Rte_Call_Sa_MtrDrvDiag_SystemTime_DtrmnElapsedTime_uS_u16	1	~
Rte_Call_Sa_MtrDrvDiag_FetFlt2Clk_OP_SET	1	Rte_Call_Sa_MtrDrvDiag_FetFlt2Clk_OP_SET	1	~
GateDrvWaitTime	1	GateDrvWaitTime	1	~
Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32	1	Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32	1	✓
Rte_Call_Sa_MtrDrvDiag_SystemTime_DtrmnElapsedTime_uS_u16	253	Rte_Call_Sa_MtrDrvDiag_SystemTime_DtrmnElapsedTime_uS_u16	253	~
Rte_Call_Sa_MtrDrvDiag_FetFlt1Data_OP_GET	1	Rte_Call_Sa_MtrDrvDiag_FetFlt1Data_OP_GET	1	~
Rte_Call_Sa_MtrDrvDiag_FetFlt2Clk_OP_SET	1	Rte_Call_Sa_MtrDrvDiag_FetFlt2Clk_OP_SET	1	~
GateDrvWaitTime	1	GateDrvWaitTime	1	~
Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32	1	Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32	1	~
Rte_Call_Sa_MtrDrvDiag_SystemTime_DtrmnElapsedTime_uS_u16	1	Rte_Call_Sa_MtrDrvDiag_SystemTime_DtrmnElapsedTime_uS_u16	1	•
Rte_Call_Sa_MtrDrvDiag_FetFlt2Clk_OP_SET	1	Rte_Call_Sa_MtrDrvDiag_FetFlt2Clk_OP_SET	1	~
GateDrvWaitTime	1	GateDrvWaitTime	1	•
Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32	1	Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32	1	•
Rte_Call_Sa_MtrDrvDiag_SystemTime_DtrmnElapsedTime_uS_u16	1	Rte_Call_Sa_MtrDrvDiag_SystemTime_DtrmnElapsedTime_uS_u16	1	•
Rte_Call_Sa_MtrDrvDiag_FetFlt1Data_OP_GET	1	Rte_Call_Sa_MtrDrvDiag_FetFlt1Data_OP_GET	1	~
Rte_Call_Sa_MtrDrvDiag_FetFlt2Clk_OP_SET	1	Rte_Call_Sa_MtrDrvDiag_FetFlt2Clk_OP_SET	1	•
GateDrvWaitTime	1	GateDrvWaitTime	1	~
Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32	1	Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32	1	~
Rte_Call_Sa_MtrDrvDiag_SystemTime_DtrmnElapsedTime_uS_u16	1	Rte_Call_Sa_MtrDrvDiag_SystemTime_DtrmnElapsedTime_uS_u16	1	~
Rte_Call_Sa_MtrDrvDiag_loHwAbPortConfig_SetFetFlt2ToOutput	1	Rte_Call_Sa_MtrDrvDiag_IoHwAbPortConfig_SetFetFlt2ToOutput	1	•
Rte_Call_Sa_MtrDrvDiag_NxtrDiagMgr_SetNTCStatus	1	Rte_Call_Sa_MtrDrvDiag_NxtrDiagMgr_SetNTCStatus	1	~

Test Step 2.2 (Repeat Count = 1)			✓
Name	Input Value		
GenGateDriveFltAccPtr_Cnt_T_u16	target_GenGateDriveFltAccPtr_Cnt_T_u16		
OnStateFltAccPtr_Cnt_T_u16	target_OnStateFltAccPtr_Cnt_T_u16		
Rte_Call_Sa_MtrDrvDiag_NxtrDiagMgr_GetNTCFailed(NTCFailed_Ptr_T_lgc)	target_Rte_Call_Sa_MtrDrvDiag_NxtrDiagMg	gr_GetNTCFailed_NTCFailed_Ptr_T_lgc	
Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32(CurrentTime)	target_Rte_Call_Sa_MtrDrvDiag_SystemTim	e_GetSystemTime_uS_u32_CurrentTime	
SVDiag_FETFaultPhase_Cnt_M_enum	2		
SVDiag_FETFaultType_Cnt_M_enum	1		
SVDiag_ResetWaitLoop_Cnt_M_lgc	1		
k_OnStateDiag_Cnt_str.Threshold	900		
k_OnStateDiag_Cnt_str.PStep	675		
target_GenGateDriveFltAccPtr_Cnt_T_u16	150		
target_OnStateFltAccPtr_Cnt_T_u16	65535		
$target_Rte_Call_Sa_MtrDrvDiag_NxtrDiagMgr_GetNTCFailed_NTCFailed_Ptr_T_lgrame and target_Rte_Call_Sa_MtrDrvDiag_NxtrDiagMgr_GetNTCFailed_NTCFailed_Ptr_T_lgrame and target_Rte_Call_Sa_MtrDrvDiag_NxtrDiagMgr_GetNTCFailed_NTCFailed_Ptr_T_lgrame and target_Rte_Call_Sa_MtrDrvDiag_NxtrDiagMgr_GetNTCFailed_NTCFailed_Ptr_T_lgrame and target_Rte_Call_Sa_MtrDrvDiag_NxtrDiagMgr_GetNTCFailed_NTCFailed_Ptr_T_lgrame and target_Rte_Call_Sa_MtrDrvDiag_NxtrDiagMgr_GetNTCFailed_NTCFailed_Ptr_T_lgrame and target_Rte_Call_Sa_MtrDrvDiag_NxtrDiagMgr_GetNTCFailed_NTCFailed_NTCFailed_Ptr_T_lgrame and target_Rte_Call_Sa_MtrDrvDiag_NxtrDiagMgr_GetNTCFailed_NTCFailed_Ptr_T_lgrame and target_Rte_Call_Sa_MtrDrvDiag_NxtrDiagMgr_GetNTCFailed_NTCFailed_NTCFailed_Ptr_T_lgrame and target_Rte_Call_Sa_MtrDrvDiag_NxtrDiagMgr_GetNTCFailed_N$	1		
$target_Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32_CurrentTire_uS_u32_CurrentTire_uS_u32_CurrentTire_uS_u32_CurrentTire_uS_u32_CurrentTire_uS_u32_CurrentTire_uS_u33_Curren$	1000		
Name	Actual Value	Expected Value	Result
Rte_Call_Sa_MtrDrvDiag_NxtrDiagMgr_SetNTCStatus(NTC_Cnt_T_enum)	79	79	~
Rte_Call_Sa_MtrDrvDiag_NxtrDiagMgr_SetNTCStatus(Param_Cnt_T_u08)	1	1	✓
Rte_Call_Sa_MtrDrvDiag_NxtrDiagMgr_SetNTCStatus(Status_Cnt_T_enum)	1	1	-
SVDiag_FETFaultPhase_Cnt_M_enum	2	2	✓
SVDiag_FETFaultType_Cnt_M_enum	1	1	~
SVDiag_ResetWaitLoop_Cnt_M_lgc	1	1	~
target_GenGateDriveFltAccPtr_Cnt_T_u16	150	150	~
target_OnStateFltAccPtr_Cnt_T_u16	900	900	✓

Test Step Call Trace				
Actual Function	Count	Expected Function	Count	Result
Rte_Call_Sa_MtrDrvDiag_NxtrDiagMgr_GetNTCFailed	1	Rte_Call_Sa_MtrDrvDiag_NxtrDiagMgr_GetNTCFailed	1	~
Rte_Call_Sa_MtrDrvDiag_NxtrDiagMgr_SetNTCStatus	1	Rte_Call_Sa_MtrDrvDiag_NxtrDiagMgr_SetNTCStatus	1	~

Name	Input Value
GenGateDriveFltAccPtr_Cnt_T_u16	target_GenGateDriveFltAccPtr_Cnt_T_u16
OnStateFltAccPtr_Cnt_T_u16	target_OnStateFltAccPtr_Cnt_T_u16
Rte_Call_Sa_MtrDrvDiag_NxtrDiagMgr_GetNTCFailed(NTCFailed_Ptr_T_lgc)	target_Rte_Call_Sa_MtrDrvDiag_NxtrDiagMgr_GetNTCFailed_NTCFailed_Ptr_T_lgc
Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32(CurrentTime)	target_Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32_CurrentTime
SVDiag_FETFaultPhase_Cnt_M_enum	3
SVDiag_FETFaultType_Cnt_M_enum	2
SVDiag_ResetWaitLoop_Cnt_M_lgc	1
k_OnStateDiag_Cnt_str.Threshold	44
k_OnStateDiag_Cnt_str.PStep	842
target_GenGateDriveFltAccPtr_Cnt_T_u16	180
target_OnStateFitAccPtr_Cnt_T_u16	477
target Rte Call Sa MtrDrvDiag NxtrDiagMgr GetNTCFailed NTCFailed Ptr T I	g) 0

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Name	Input Value		
$target_Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32_CurrentTiresum_{A} = 0.0000000000000000000000000000000000$	2000		
Name	Actual Value	Expected Value	Result
Rte_Call_Sa_MtrDrvDiag_NxtrDiagMgr_SetNTCStatus(NTC_Cnt_T_enum)	78	78	~
Rte_Call_Sa_MtrDrvDiag_NxtrDiagMgr_SetNTCStatus(Param_Cnt_T_u08)	2	2	~
Rte_Call_Sa_MtrDrvDiag_NxtrDiagMgr_SetNTCStatus(Status_Cnt_T_enum)	1	1	~
SVDiag_FETFaultPhase_Cnt_M_enum	1	1	~
SVDiag_FETFaultType_Cnt_M_enum	1	1	~
SVDiag_ResetWaitLoop_Cnt_M_lgc	1	1	~
target_GenGateDriveFltAccPtr_Cnt_T_u16	180	180	~
target_OnStateFltAccPtr_Cnt_T_u16	0	0	~

ProcBridgeFlt

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Test Step Call Trace

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Actual Function	Count	Expected Function	Count	Result
Rte_Call_Sa_MtrDrvDiag_NxtrDiagMgr_GetNTCFailed	1	Rte_Call_Sa_MtrDrvDiag_NxtrDiagMgr_GetNTCFailed	1	~
ReadMtrDrvFltData	1	ReadMtrDrvFltData	1	~
Rte_Call_Sa_MtrDrvDiag_loHwAbPortConfig_SetFetFlt2ToOutput	1	Rte_Call_Sa_MtrDrvDiag_IoHwAbPortConfig_SetFetFlt2ToOutput	1	_
Rte_Call_Sa_MtrDrvDiag_FetFlt2Clk_OP_SET	1	Rte_Call_Sa_MtrDrvDiag_FetFlt2Clk_OP_SET	1	V
GateDrvWaitTime Rte Call Sa MtrDrvDiag SystemTime GetSystemTime uS u32	1	GateDrvWaitTime	1	~
Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_uS2 Rte_Call_Sa_MtrDrvDiag_SystemTime_DtrmnElapsedTime_uS_u16	1	Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32 Rte_Call_Sa_MtrDrvDiag_SystemTime_DtrmnElapsedTime_uS_u16	1	Ž
Rte_Call_Sa_MtrDrvDiag_FetFlt1Data_OP_GET	1	Rte_Call_Sa_MtrDrvDiag_EtFlt1Data_OP_GET	1	·
Rte_Call_Sa_MtrDrvDiag_FetFlt2Clk_OP_SET	1	Rte_Call_Sa_MtrDrvDiag_FetFlt2Clk_OP_SET	1	
GateDrvWaitTime	1	GateDrvWaitTime	1	*
Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32	1	Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32	1	
Rte_Call_Sa_MtrDrvDiag_SystemTime_DtrmnElapsedTime_uS_u16	1	Rte_Call_Sa_MtrDrvDiag_SystemTime_DtrmnElapsedTime_uS_u16	1	~
Rte_Call_Sa_MtrDrvDiag_FetFlt2Clk_OP_SET	1	Rte_Call_Sa_MtrDrvDiag_FetFlt2Clk_OP_SET	1	-
GateDrvWaitTime	1	GateDrvWaitTime	1	~
Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32	1	Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32	1	~
Rte_Call_Sa_MtrDrvDiag_SystemTime_DtrmnElapsedTime_uS_u16	1	Rte_Call_Sa_MtrDrvDiag_SystemTime_DtrmnElapsedTime_uS_u16	1	~
Rte_Call_Sa_MtrDrvDiag_FetFlt1Data_OP_GET	1	Rte_Call_Sa_MtrDrvDiag_FetFlt1Data_OP_GET	1	~
Rte_Call_Sa_MtrDrvDiag_FetFlt2Clk_OP_SET	1	Rte_Call_Sa_MtrDrvDiag_FetFlt2Clk_OP_SET	1	~
GateDrvWaitTime	1	GateDrvWaitTime	1	~
Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32	1	Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32	1	~
Rte_Call_Sa_MtrDrvDiag_SystemTime_DtrmnElapsedTime_uS_u16	1	Rte_Call_Sa_MtrDrvDiag_SystemTime_DtrmnElapsedTime_uS_u16	1	~
Rte_Call_Sa_MtrDrvDiag_FetFlt2Clk_OP_SET	1	Rte_Call_Sa_MtrDrvDiag_FetFlt2Clk_OP_SET	1	~
GateDrvWaitTime	1	GateDrvWaitTime	1	~
Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32	1	Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32	1	✓
Rte_Call_Sa_MtrDrvDiag_SystemTime_DtrmnElapsedTime_uS_u16	253	Rte_Call_Sa_MtrDrvDiag_SystemTime_DtrmnElapsedTime_uS_u16	253	~
Rte_Call_Sa_MtrDrvDiag_FetFlt1Data_OP_GET	1	Rte_Call_Sa_MtrDrvDiag_FetFlt1Data_OP_GET	1	~
Rte_Call_Sa_MtrDrvDiag_FetFlt2Clk_OP_SET	1	Rte_Call_Sa_MtrDrvDiag_FetFlt2Clk_OP_SET	1	~
GateDrvWaitTime	1	GateDrvWaitTime	1	~
Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32	1	Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32	1	~
Rte_Call_Sa_MtrDrvDiag_SystemTime_DtrmnElapsedTime_uS_u16	1	Rte_Call_Sa_MtrDrvDiag_SystemTime_DtrmnElapsedTime_uS_u16	1	V
Rte_Call_Sa_MtrDrvDiag_FetFlt2Clk_OP_SET	1	Rte_Call_Sa_MtrDrvDiag_FetFlt2Clk_OP_SET	1	~
GateDrvWaitTime	1	GateDrvWaitTime	1	
Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32	1	Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32 Rte_Call_Sa_MtrDrvDiag_SystemTime_DtrmnElapsedTime_uS_u16	1	~
Rte_Call_Sa_MtrDrvDiag_SystemTime_DtrmnElapsedTime_uS_u16 Rte_Call_Sa_MtrDrvDiag_FetFlt1Data_OP_GET	1	Rte_Call_Sa_MtrDrvDiag_System** Inte_Dtrime_lapsed** Time_ds_u** Rte_Call_Sa_MtrDrvDiag_FetFlt1Data_OP_GET	1	
Rte_Call_Sa_MtrDrvDiag_FetFlt2Clk_OP_SET	1	Rte_Call_Sa_MtrDrvDiag_FetFlt2Clk_OP_SET	1	· ·
GateDrvWaitTime	1	GateDrvWaitTime	1	
Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32	1	Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32	1	~
Rte_Call_Sa_MtrDrvDiag_SystemTime_DtrmnElapsedTime_uS_u16	1	Rte_Call_Sa_MtrDrvDiag_SystemTime_DtrmnElapsedTime_uS_u16	1	_
Rte_Call_Sa_MtrDrvDiag_FetFlt2Clk_OP_SET	1	Rte_Call_Sa_MtrDrvDiag_FetFlt2Clk_OP_SET	1	~
GateDrvWaitTime	1	GateDrvWaitTime	1	~
Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32	1	Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32	1	~
Rte_Call_Sa_MtrDrvDiag_SystemTime_DtrmnElapsedTime_uS_u16	253	Rte_Call_Sa_MtrDrvDiag_SystemTime_DtrmnElapsedTime_uS_u16	253	~
Rte_Call_Sa_MtrDrvDiag_FetFlt1Data_OP_GET	1	Rte_Call_Sa_MtrDrvDiag_FetFlt1Data_OP_GET	1	~
Rte_Call_Sa_MtrDrvDiag_FetFlt2Clk_OP_SET	1	Rte_Call_Sa_MtrDrvDiag_FetFlt2Clk_OP_SET	1	~
GateDrvWaitTime	1	GateDrvWaitTime	1	~
Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32	1	Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32	1	~
Rte_Call_Sa_MtrDrvDiag_SystemTime_DtrmnElapsedTime_uS_u16	1	Rte_Call_Sa_MtrDrvDiag_SystemTime_DtrmnElapsedTime_uS_u16	1	~
Rte_Call_Sa_MtrDrvDiag_FetFlt2Clk_OP_SET	1	Rte_Call_Sa_MtrDrvDiag_FetFlt2Clk_OP_SET	1	~
GateDrvWaitTime	1	GateDrvWaitTime	1	~
Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32	1	Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32	1	~
Rte_Call_Sa_MtrDrvDiag_SystemTime_DtrmnElapsedTime_uS_u16	1	Rte_Call_Sa_MtrDrvDiag_SystemTime_DtrmnElapsedTime_uS_u16	1	~
Rte_Call_Sa_MtrDrvDiag_FetFlt1Data_OP_GET	1	Rte_Call_Sa_MtrDrvDiag_FetFlt1Data_OP_GET	1	~
Rte_Call_Sa_MtrDrvDiag_FetFlt2Clk_OP_SET	1	Rte_Call_Sa_MtrDrvDiag_FetFlt2Clk_OP_SET	1	~
GateDrvWaitTime	1	GateDrvWaitTime	1	~
Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32	1	Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32	1	~
Rte_Call_Sa_MtrDrvDiag_SystemTime_DtrmnElapsedTime_uS_u16	1	Rte_Call_Sa_MtrDrvDiag_SystemTime_DtrmnElapsedTime_uS_u16	1	V
Rte_Call_Sa_MtrDrvDiag_FetFlt2Clk_OP_SET	1	Rte_Call_Sa_MtrDrvDiag_FetFlt2Clk_OP_SET	1	V
GateDrvWaitTime	1	GateDrvWaitTime	1	V
Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32 Rte_Call_Sa_MtrDrvDiag_SystemTime_DtrmnElapsedTime_uS_u16	253	Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32 Rte_Call_Sa_MtrDrvDiag_SystemTime_DtrmnElapsedTime_uS_u16	253	*
Rte_Call_Sa_MtrDrvDiag_SystemTime_DtrimielapsedTime_uS_uT6 Rte_Call_Sa_MtrDrvDiag_FetFlt1Data_OP_GET	1	Rte_Call_Sa_MtrDrvDiag_SystemTime_DtrimielapsedTime_us_u16 Rte_Call_Sa_MtrDrvDiag_FetFlt1Data_OP_GET	1	~
Rte_Call_Sa_MtrDrvDiag_FetFit1Data_OP_GE1 Rte_Call_Sa_MtrDrvDiag_FetFlt2Clk_OP_SET	1	Rte_Call_Sa_MtrDrvDiag_FetFit1Data_OP_GE1 Rte_Call_Sa_MtrDrvDiag_FetFlt2Clk_OP_SET	1	
GateDrvWaitTime	1	GateDrvWaitTime	1	~
Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32	1	Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32	1	
Rte_Call_Sa_MtrDrvDiag_SystemTime_DtrmnElapsedTime_uS_u16	1	Rte_Call_Sa_MtrDrvDiag_SystemTime_Uscall_Sa_MtrDrvDiag_SystemTime_DtrmnElapsedTime_uS_u16	1	
Rte_Call_Sa_MtrDrvDiag_FetFlt2Clk_OP_SET	1	Rte_Call_Sa_MtrDrvDiag_FetFlt2Clk_OP_SET	1	
GateDrvWaitTime	1	GateDrvWaitTime	1	~
Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32	1	Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32	1	-
	1	Rte_Call_Sa_MtrDrvDiag_SystemTime_DtrmnElapsedTime_uS_u16	1	V
Rte_Call_Sa_MtrDrvDiag_SystemTime DtrmnElapsedTime uS u16				
Rte_Call_Sa_MtrDrvDiag_SystemTime_DtrmnElapsedTime_uS_u16 Rte_Call_Sa_MtrDrvDiag_FetFlt1Data_OP_GET	1	Rte_Call_Sa_MtrDrvDiag_FetFlt1Data_OP_GET	1	✓
	1	Rte_Call_Sa_MtrDrvDiag_FetFlt1Data_OP_GET Rte_Call_Sa_MtrDrvDiag_FetFlt2Clk_OP_SET	1	✓ ✓

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Actual Function	Count	Expected Function	Count	Result
Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32	1	Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32	1	~
Rte_Call_Sa_MtrDrvDiag_SystemTime_DtrmnElapsedTime_uS_u16	1	Rte_Call_Sa_MtrDrvDiag_SystemTime_DtrmnElapsedTime_uS_u16	1	~
Rte_Call_Sa_MtrDrvDiag_FetFlt2Clk_OP_SET	1	Rte_Call_Sa_MtrDrvDiag_FetFlt2Clk_OP_SET	1	~
GateDrvWaitTime	1	GateDrvWaitTime	1	~
Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32	1	Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32	1	~
Rte_Call_Sa_MtrDrvDiag_SystemTime_DtrmnElapsedTime_uS_u16	253	Rte_Call_Sa_MtrDrvDiag_SystemTime_DtrmnElapsedTime_uS_u16	253	~
Rte_Call_Sa_MtrDrvDiag_FetFlt1Data_OP_GET	1	Rte_Call_Sa_MtrDrvDiag_FetFlt1Data_OP_GET	1	~
Rte_Call_Sa_MtrDrvDiag_FetFlt2Clk_OP_SET	1	Rte_Call_Sa_MtrDrvDiag_FetFlt2Clk_OP_SET	1	~
GateDrvWaitTime	1	GateDrvWaitTime	1	~
Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32	1	Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32	1	~
Rte_Call_Sa_MtrDrvDiag_SystemTime_DtrmnElapsedTime_uS_u16	1	Rte_Call_Sa_MtrDrvDiag_SystemTime_DtrmnElapsedTime_uS_u16	1	~
Rte_Call_Sa_MtrDrvDiag_FetFlt2Clk_OP_SET	1	Rte_Call_Sa_MtrDrvDiag_FetFlt2Clk_OP_SET	1	~
GateDrvWaitTime	1	GateDrvWaitTime	1	~
Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32	1	Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32	1	~
Rte_Call_Sa_MtrDrvDiag_SystemTime_DtrmnElapsedTime_uS_u16	1	Rte_Call_Sa_MtrDrvDiag_SystemTime_DtrmnElapsedTime_uS_u16	1	~
Rte_Call_Sa_MtrDrvDiag_FetFlt1Data_OP_GET	1	Rte_Call_Sa_MtrDrvDiag_FetFlt1Data_OP_GET	1	~
Rte_Call_Sa_MtrDrvDiag_FetFlt2Clk_OP_SET	1	Rte_Call_Sa_MtrDrvDiag_FetFlt2Clk_OP_SET	1	~
GateDrvWaitTime	1	GateDrvWaitTime	1	~
Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32	1	Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32	1	~
Rte_Call_Sa_MtrDrvDiag_SystemTime_DtrmnElapsedTime_uS_u16	1	Rte_Call_Sa_MtrDrvDiag_SystemTime_DtrmnElapsedTime_uS_u16	1	~
Rte_Call_Sa_MtrDrvDiag_loHwAbPortConfig_SetFetFlt2ToOutput	1	Rte_Call_Sa_MtrDrvDiag_loHwAbPortConfig_SetFetFlt2ToOutput	1	~
Rte_Call_Sa_MtrDrvDiag_NxtrDiagMgr_SetNTCStatus	1	Rte_Call_Sa_MtrDrvDiag_NxtrDiagMgr_SetNTCStatus	1	~

Test Step 2.4 (Repeat Count = 1)			✓
Name	Input Value		
GenGateDriveFltAccPtr_Cnt_T_u16	target_GenGateDriveFltAccPtr_Cnt_T_u1	6	
OnStateFltAccPtr_Cnt_T_u16	target_OnStateFltAccPtr_Cnt_T_u16		
Rte_Call_Sa_MtrDrvDiag_NxtrDiagMgr_GetNTCFailed(NTCFailed_Ptr_T_lgc)	target_Rte_Call_Sa_MtrDrvDiag_NxtrDiag	gMgr_GetNTCFailed_NTCFailed_Ptr_T_lgc	
Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32(CurrentTime)	target_Rte_Call_Sa_MtrDrvDiag_System	Fime_GetSystemTime_uS_u32_CurrentTime	
SVDiag_FETFaultPhase_Cnt_M_enum	1		
SVDiag_FETFaultType_Cnt_M_enum	1		
SVDiag_ResetWaitLoop_Cnt_M_lgc	1		
k_OnStateDiag_Cnt_str.Threshold	2345		
k_OnStateDiag_Cnt_str.PStep	9211		
target_GenGateDriveFltAccPtr_Cnt_T_u16	0		
target_OnStateFltAccPtr_Cnt_T_u16	4577		
$target_Rte_Call_Sa_MtrDrvDiag_NxtrDiagMgr_GetNTCFailed_NTCFailed_Ptr_T_lgrame and the control of the control $	0		
target_Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32_CurrentTir	0		
Name	Actual Value	Expected Value	Result
Rte_Call_Sa_MtrDrvDiag_NxtrDiagMgr_SetNTCStatus(NTC_Cnt_T_enum)	78	*none*	-
Rte_Call_Sa_MtrDrvDiag_NxtrDiagMgr_SetNTCStatus(Param_Cnt_T_u08)	2	*none*	•
Rte_Call_Sa_MtrDrvDiag_NxtrDiagMgr_SetNTCStatus(Status_Cnt_T_enum)	1	*none*	-
SVDiag_FETFaultPhase_Cnt_M_enum	0	0	-
SVDiag_FETFaultType_Cnt_M_enum	0	0	-
SVDiag_ResetWaitLoop_Cnt_M_lgc	1	1	-
target_GenGateDriveFltAccPtr_Cnt_T_u16	1	1	-
target OnStateFltAccPtr Cnt T u16	0	0	-

ProcBridgeFlt

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Actual Function		Expected Function		Result
Rte_Call_Sa_MtrDrvDiag_NxtrDiagMgr_GetNTCFailed	1	Rte_Call_Sa_MtrDrvDiag_NxtrDiagMgr_GetNTCFailed	1	~
ReadMtrDrvFltData	1	ReadMtrDrvFltData	1	V
Rte_Call_Sa_MtrDrvDiag_loHwAbPortConfig_SetFetFlt2ToOutput Rte_Call_Sa_MtrDrvDiag_FetFlt2Clk_OP_SET	1	Rte_Call_Sa_MtrDrvDiag_loHwAbPortConfig_SetFetFlt2ToOutput Rte_Call_Sa_MtrDrvDiag_FetFlt2Clk_OP_SET	1	✓
GateDryWaitTime	1	GateDryWaitTime	1	J
Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32	1	Rte Call Sa MtrDrvDiag SystemTime GetSystemTime uS u32	1	~
Rte_Call_Sa_MtrDrvDiag_SystemTime_DtrmnElapsedTime_uS_u16	1	Rte_Call_Sa_MtrDrvDiag_SystemTime_DtrmnElapsedTime_uS_u16	1	-
Rte_Call_Sa_MtrDrvDiag_FetFlt1Data_OP_GET	1	Rte_Call_Sa_MtrDrvDiag_FetFlt1Data_OP_GET	1	~
Rte_Call_Sa_MtrDrvDiag_FetFlt2Clk_OP_SET	1	Rte_Call_Sa_MtrDrvDiag_FetFlt2Clk_OP_SET	1	~
GateDrvWaitTime	1	GateDrvWaitTime	1	~
Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32	1	Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32	1	~
Rte_Call_Sa_MtrDrvDiag_SystemTime_DtrmnElapsedTime_uS_u16	1	Rte_Call_Sa_MtrDrvDiag_SystemTime_DtrmnElapsedTime_uS_u16	1	~
Rte_Call_Sa_MtrDrvDiag_FetFlt2Clk_OP_SET	1	Rte_Call_Sa_MtrDrvDiag_FetFlt2Clk_OP_SET	1	~
GateDrvWaitTime	1	GateDrvWaitTime	1	~
Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32	1	Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32	1	
Rte_Call_Sa_MtrDrvDiag_SystemTime_DtrmnElapsedTime_uS_u16	1	Rte_Call_Sa_MtrDrvDiag_SystemTime_DtrmnElapsedTime_uS_u16	1	V
Rte_Call_Sa_MtrDrvDiag_FetFlt1Data_OP_GET	1	Rte_Call_Sa_MtrDrvDiag_FetFlt1Data_OP_GET	1	V
Rte_Call_Sa_MtrDrvDiag_FetFlt2Clk_OP_SET GateDrvWaitTime	1	Rte_Call_Sa_MtrDrvDiag_FetFlt2Clk_OP_SET GateDrvWaitTime	1	Ž
Rte Call Sa MtrDrvDiag SystemTime GetSystemTime uS u32	1	Rte Call Sa MtrDrvDiag SystemTime GetSystemTime uS u32	1	~
Rte_Call_Sa_MtrDrvDiag_SystemTime_DtrmnElapsedTime_uS_u16	1	Rte_Call_Sa_MtrDrvDiag_SystemTime_DtrmnElapsedTime_uS_u16	1	,
Rte Call Sa MtrDrvDiag FetFlt2Clk OP SET	1	Rte_Call_Sa_MtrDrvDiag_FetFlt2Clk_OP_SET	1	•
GateDrvWaitTime	1	GateDrvWaitTime	1	•
Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32	1	Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32	1	V
Rte_Call_Sa_MtrDrvDiag_SystemTime_DtrmnElapsedTime_uS_u16	253	Rte_Call_Sa_MtrDrvDiag_SystemTime_DtrmnElapsedTime_uS_u16	253	~
Rte_Call_Sa_MtrDrvDiag_FetFlt1Data_OP_GET	1	Rte_Call_Sa_MtrDrvDiag_FetFlt1Data_OP_GET	1	~
Rte_Call_Sa_MtrDrvDiag_FetFlt2Clk_OP_SET	1	Rte_Call_Sa_MtrDrvDiag_FetFlt2Clk_OP_SET	1	~
GateDrvWaitTime	1	GateDrvWaitTime	1	~
Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32	1	Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32	1	~
Rte_Call_Sa_MtrDrvDiag_SystemTime_DtrmnElapsedTime_uS_u16	1	Rte_Call_Sa_MtrDrvDiag_SystemTime_DtrmnElapsedTime_uS_u16	1	~
Rte_Call_Sa_MtrDrvDiag_FetFlt2Clk_OP_SET	1	Rte_Call_Sa_MtrDrvDiag_FetFlt2Clk_OP_SET	1	
GateDrvWaitTime	1	GateDrvWaitTime	1	V
Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32	1	Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32	1	V
Rte_Call_Sa_MtrDrvDiag_SystemTime_DtrmnElapsedTime_uS_u16 Rte_Call_Sa_MtrDrvDiag_FetFlt1Data_OP_GET	1	Rte_Call_Sa_MtrDrvDiag_SystemTime_DtrmnElapsedTime_uS_u16 Rte_Call_Sa_MtrDrvDiag_FetFlt1Data_OP_GET	1	
Rte_Call_Sa_MtrDrvDiag_FetFlt2Clk_OP_SET	1	Rte_Call_Sa_MtrDrvDiag_FetFlt2Clk_OP_SET	1	-
GateDrvWaitTime	1	GateDrvWaitTime	1	
Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32	1	Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32	1	•
Rte_Call_Sa_MtrDrvDiag_SystemTime_DtrmnElapsedTime_uS_u16	1	Rte_Call_Sa_MtrDrvDiag_SystemTime_DtrmnElapsedTime_uS_u16	1	~
Rte_Call_Sa_MtrDrvDiag_FetFlt2Clk_OP_SET	1	Rte_Call_Sa_MtrDrvDiag_FetFlt2Clk_OP_SET	1	~
GateDrvWaitTime	1	GateDrvWaitTime	1	~
Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32	1	Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32	1	~
Rte_Call_Sa_MtrDrvDiag_SystemTime_DtrmnElapsedTime_uS_u16	253	Rte_Call_Sa_MtrDrvDiag_SystemTime_DtrmnElapsedTime_uS_u16	253	~
Rte_Call_Sa_MtrDrvDiag_FetFlt1Data_OP_GET	1	Rte_Call_Sa_MtrDrvDiag_FetFlt1Data_OP_GET	1	~
Rte_Call_Sa_MtrDrvDiag_FetFlt2Clk_OP_SET	1	Rte_Call_Sa_MtrDrvDiag_FetFlt2Clk_OP_SET	1	~
GateDrvWaitTime	1	GateDrvWaitTime	1	~
Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32	1	Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32	1	
Rte_Call_Sa_MtrDrvDiag_SystemTime_DtrmnElapsedTime_uS_u16 Rte_Call_Sa_MtrDrvDiag_FetFlt2Clk_OP_SET	1	Rte_Call_Sa_MtrDrvDiag_SystemTime_DtrmnElapsedTime_uS_u16 Rte_Call_Sa_MtrDrvDiag_FetFlt2Clk_OP_SET	1	V
Rte_Call_Sa_MtrDrvDlag_FetFit2Clk_OP_SE1 GateDrvWaitTime	1	GateDrvWaitTime	1	· ·
Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32	1	Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32	1	
Rte Call Sa MtrDrvDiag SystemTime_GetsystemTime_u3_u32	1	Rte Call Sa MtrDrvDiag SystemTime DtrmnElapsedTime uS u16	1	*
Rte Call Sa MtrDrvDiag FetFlt1Data OP GET	1	Rte_Call_Sa_MtrDrvDiag_FetFlt1Data_OP_GET	1	
Rte_Call_Sa_MtrDrvDiag_FetFlt2Clk_OP_SET	1	Rte Call Sa MtrDrvDiag FetFlt2Clk OP SET	1	~
GateDrvWaitTime	1	GateDrvWaitTime	1	-
Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32	1	Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32	1	~
Rte_Call_Sa_MtrDrvDiag_SystemTime_DtrmnElapsedTime_uS_u16	1	Rte_Call_Sa_MtrDrvDiag_SystemTime_DtrmnElapsedTime_uS_u16	1	•
Rte_Call_Sa_MtrDrvDiag_FetFlt2Clk_OP_SET	1	Rte_Call_Sa_MtrDrvDiag_FetFlt2Clk_OP_SET	1	•
GateDrvWaitTime	1	GateDrvWaitTime	1	~
Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32	1	Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32	1	~
Rte_Call_Sa_MtrDrvDiag_SystemTime_DtrmnElapsedTime_uS_u16	253	Rte_Call_Sa_MtrDrvDiag_SystemTime_DtrmnElapsedTime_uS_u16	253	~
Rte_Call_Sa_MtrDrvDiag_FetFlt1Data_OP_GET	1	Rte_Call_Sa_MtrDrvDiag_FetFlt1Data_OP_GET	1	~
Rte_Call_Sa_MtrDrvDiag_FetFlt2Clk_OP_SET	1	Rte_Call_Sa_MtrDrvDiag_FetFlt2Clk_OP_SET	1	
GateDrvWaitTime	1	GateDrvWaitTime	1	V
Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32	1	Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32	1	· ·
Rte_Call_Sa_MtrDrvDiag_SystemTime_DtrmnElapsedTime_uS_u16	1	Rte_Call_Sa_MtrDrvDiag_SystemTime_DtrmnElapsedTime_uS_u16	1	V
Rte_Call_Sa_MtrDrvDiag_FetFlt2Clk_OP_SET	1	Rte_Call_Sa_MtrDrvDiag_FetFlt2Clk_OP_SET	1	V
GateDrvWaitTime	1	GateDrvWaitTime Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32	1	~
Rte Call Sa MtrDryDiag SystemTime CetSystemTime us use	1.1	mic_cai_ca_iviii bi v biag_cysteii i iiiie_cetcysteii i iiiie_uc_ucz	1	
Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32 Rte_Call_Sa_MtrDrvDiag_SystemTime_DtrmnElapsedTime_uS_u16		Rte Call Sa MtrDryDiag SystemTime DtrmnFlansedTime uS u16	1	_
Rte_Call_Sa_MtrDrvDiag_SystemTime_DtrmnElapsedTime_uS_u16	1	Rte_Call_Sa_MtrDrvDiag_SystemTime_DtrmnElapsedTime_uS_u16 Rte_Call_Sa_MtrDrvDiag_FetFlt1Data_OP_GET	1	~
	1	Rte_Call_Sa_MtrDrvDiag_SystemTime_DtrmnElapsedTime_uS_u16 Rte_Call_Sa_MtrDrvDiag_FetFlt1Data_OP_GET Rte_Call_Sa_MtrDrvDiag_FetFlt2Clk_OP_SET		

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Actual Function	Count	Expected Function	Count	Result
Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32	1	Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32	1	•
Rte_Call_Sa_MtrDrvDiag_SystemTime_DtrmnElapsedTime_uS_u16	1	Rte_Call_Sa_MtrDrvDiag_SystemTime_DtrmnElapsedTime_uS_u16	1	~
Rte_Call_Sa_MtrDrvDiag_FetFlt2Clk_OP_SET	1	Rte_Call_Sa_MtrDrvDiag_FetFlt2Clk_OP_SET	1	~
GateDrvWaitTime	1	GateDrvWaitTime	1	~
Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32	1	Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32	1	•
Rte_Call_Sa_MtrDrvDiag_SystemTime_DtrmnElapsedTime_uS_u16	253	Rte_Call_Sa_MtrDrvDiag_SystemTime_DtrmnElapsedTime_uS_u16	253	•
Rte_Call_Sa_MtrDrvDiag_FetFlt1Data_OP_GET	1	Rte_Call_Sa_MtrDrvDiag_FetFlt1Data_OP_GET	1	•
Rte_Call_Sa_MtrDrvDiag_FetFlt2Clk_OP_SET	1	Rte_Call_Sa_MtrDrvDiag_FetFlt2Clk_OP_SET	1	~
GateDrvWaitTime	1	GateDrvWaitTime	1	•
Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32	1	Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32	1	~
Rte_Call_Sa_MtrDrvDiag_SystemTime_DtrmnElapsedTime_uS_u16	1	Rte_Call_Sa_MtrDrvDiag_SystemTime_DtrmnElapsedTime_uS_u16	1	•
Rte_Call_Sa_MtrDrvDiag_FetFlt2Clk_OP_SET	1	Rte_Call_Sa_MtrDrvDiag_FetFlt2Clk_OP_SET	1	~
GateDrvWaitTime	1	GateDrvWaitTime	1	✓
Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32	1	Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32	1	~
Rte_Call_Sa_MtrDrvDiag_SystemTime_DtrmnElapsedTime_uS_u16	1	Rte_Call_Sa_MtrDrvDiag_SystemTime_DtrmnElapsedTime_uS_u16	1	~
Rte_Call_Sa_MtrDrvDiag_FetFlt1Data_OP_GET	1	Rte_Call_Sa_MtrDrvDiag_FetFlt1Data_OP_GET	1	~
Rte_Call_Sa_MtrDrvDiag_FetFlt2Clk_OP_SET	1	Rte_Call_Sa_MtrDrvDiag_FetFlt2Clk_OP_SET	1	✓
GateDrvWaitTime	1	GateDrvWaitTime	1	~
Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32	1	Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32	1	~
Rte_Call_Sa_MtrDrvDiag_SystemTime_DtrmnElapsedTime_uS_u16	1	Rte_Call_Sa_MtrDrvDiag_SystemTime_DtrmnElapsedTime_uS_u16	1	~
Rte_Call_Sa_MtrDrvDiag_IoHwAbPortConfig_SetFetFlt2ToOutput	1	Rte_Call_Sa_MtrDrvDiag_IoHwAbPortConfig_SetFetFlt2ToOutput	1	~

Test Step 2.5 (Repeat Count = 1)			~
Name	Input Value		
GenGateDriveFltAccPtr_Cnt_T_u16	target_GenGateDriveFltAccPtr_Cnt_T_u16		
OnStateFitAccPtr_Cnt_T_u16	target_OnStateFltAccPtr_Cnt_T_u16		
Rte_Call_Sa_MtrDrvDiag_NxtrDiagMgr_GetNTCFailed(NTCFailed_Ptr_T_lgc)	target_Rte_Call_Sa_MtrDrvDiag_NxtrDiagM	gr_GetNTCFailed_NTCFailed_Ptr_T_lgc	
Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32(CurrentTime)	target_Rte_Call_Sa_MtrDrvDiag_SystemTim	e_GetSystemTime_uS_u32_CurrentTime	
SVDiag_FETFaultPhase_Cnt_M_enum	2		
SVDiag_FETFaultType_Cnt_M_enum	0		
SVDiag_ResetWaitLoop_Cnt_M_lgc	1		
k_OnStateDiag_Cnt_str.Threshold	455		
k_OnStateDiag_Cnt_str.PStep	376		
target_GenGateDriveFltAccPtr_Cnt_T_u16	200		
target_OnStateFltAccPtr_Cnt_T_u16	134		
$target_Rte_Call_Sa_MtrDrvDiag_NxtrDiagMgr_GetNTCFailed_NTCFailed_Ptr_T_lgrame and the control of the control $	0		
target_Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32_CurrentTi	r 4294967295		
Name	Actual Value	Expected Value	Result
Rte_Call_Sa_MtrDrvDiag_NxtrDiagMgr_SetNTCStatus(NTC_Cnt_T_enum)	77	77	~
Rte_Call_Sa_MtrDrvDiag_NxtrDiagMgr_SetNTCStatus(Param_Cnt_T_u08)	2	2	✓
Rte_Call_Sa_MtrDrvDiag_NxtrDiagMgr_SetNTCStatus(Status_Cnt_T_enum)	1	1	-
SVDiag_FETFaultPhase_Cnt_M_enum	0	0	✓
SVDiag_FETFaultType_Cnt_M_enum	0	0	-
SVDiag_ResetWaitLoop_Cnt_M_lgc	1	1	~
target_GenGateDriveFltAccPtr_Cnt_T_u16	100	100	~
target_OnStateFltAccPtr_Cnt_T_u16	0	0	~

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Actual Function		Expected Function		Result
Rte_Call_Sa_MtrDrvDiag_NxtrDiagMgr_GetNTCFailed	1	Rte_Call_Sa_MtrDrvDiag_NxtrDiagMgr_GetNTCFailed	1	~
ReadMtrDrvFltData	1	ReadMtrDrvFltData	1	~
Rte_Call_Sa_MtrDrvDiag_loHwAbPortConfig_SetFetFlt2ToOutput	1	Rte_Call_Sa_MtrDrvDiag_IoHwAbPortConfig_SetFetFlt2ToOutput	1	V
Rte_Call_Sa_MtrDrvDiag_FetFlt2Clk_OP_SET GateDrvWaitTime	1	Rte_Call_Sa_MtrDrvDiag_FetFlt2Clk_OP_SET GateDrvWaitTime	1	₩
Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32	1	Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32	1	~
Rte_Call_Sa_MtrDrvDiag_SystemTime_DtrmnElapsedTime_uS_u16	1	Rte_Call_Sa_MtrDrvDiag_SystemTime_DtrmnElapsedTime_uS_u16	1	,
Rte_Call_Sa_MtrDrvDiag_FetFlt1Data_OP_GET	1	Rte_Call_Sa_MtrDrvDiag_FetFlt1Data_OP_GET	1	-
Rte_Call_Sa_MtrDrvDiag_FetFlt2Clk_OP_SET	1	Rte Call Sa MtrDrvDiag FetFlt2Clk OP SET	1	-
GateDrvWaitTime	1	GateDrvWaitTime	1	•
Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32	1	Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32	1	-
Rte_Call_Sa_MtrDrvDiag_SystemTime_DtrmnElapsedTime_uS_u16	1	Rte_Call_Sa_MtrDrvDiag_SystemTime_DtrmnElapsedTime_uS_u16	1	•
Rte_Call_Sa_MtrDrvDiag_FetFlt2Clk_OP_SET	1	Rte_Call_Sa_MtrDrvDiag_FetFlt2Clk_OP_SET	1	•
GateDrvWaitTime	1	GateDrvWaitTime	1	~
Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32	1	Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32	1	•
Rte_Call_Sa_MtrDrvDiag_SystemTime_DtrmnElapsedTime_uS_u16	1	Rte_Call_Sa_MtrDrvDiag_SystemTime_DtrmnElapsedTime_uS_u16	1	~
Rte_Call_Sa_MtrDrvDiag_FetFlt1Data_OP_GET	1	Rte_Call_Sa_MtrDrvDiag_FetFlt1Data_OP_GET	1	~
Rte_Call_Sa_MtrDrvDiag_FetFlt2Clk_OP_SET	1	Rte_Call_Sa_MtrDrvDiag_FetFlt2Clk_OP_SET	1	~
GateDrvWaitTime	1	GateDrvWaitTime	1	~
Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32	1	Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32	1	~
Rte_Call_Sa_MtrDrvDiag_SystemTime_DtrmnElapsedTime_uS_u16	1	Rte_Call_Sa_MtrDrvDiag_SystemTime_DtrmnElapsedTime_uS_u16	1	V
Rte_Call_Sa_MtrDrvDiag_FetFlt2Clk_OP_SET	1	Rte_Call_Sa_MtrDrvDiag_FetFlt2Clk_OP_SET	1	•
GateDrvWaitTime	1	GateDrvWaitTime	1	•
Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32	1	Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32	1	V
Rte_Call_Sa_MtrDrvDiag_SystemTime_DtrmnElapsedTime_uS_u16	253	Rte_Call_Sa_MtrDrvDiag_SystemTime_DtrmnElapsedTime_uS_u16	253	✓
Rte_Call_Sa_MtrDrvDiag_FetFlt1Data_OP_GET	1	Rte_Call_Sa_MtrDrvDiag_FetFlt1Data_OP_GET	1	
Rte_Call_Sa_MtrDrvDiag_FetFlt2Clk_OP_SET GateDrvWaitTime	1	Rte_Call_Sa_MtrDrvDiag_FetFlt2Clk_OP_SET GateDrvWaitTime	1	-
Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32	1	Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32	1	
Rte_Call_Sa_MtrDrvDiag_SystemTime_DtrmnElapsedTime_uS_u16	1	Rte_Call_Sa_MtrDrvDiag_SystemTime_DtrmnElapsedTime_uS_u16	1	·
Rte_Call_Sa_MtrDrvDiag_FetFlt2Clk_OP_SET	1	Rte_Call_Sa_MtrDrvDiag_FetFlt2Clk_OP_SET	1	
GateDrvWaitTime	1	GateDrvWaitTime	1	-
Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32	1	Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32	1	-
Rte_Call_Sa_MtrDrvDiag_SystemTime_DtrmnElapsedTime_uS_u16	1	Rte_Call_Sa_MtrDrvDiag_SystemTime_DtrmnElapsedTime_uS_u16	1	~
Rte_Call_Sa_MtrDrvDiag_FetFlt1Data_OP_GET	1	Rte_Call_Sa_MtrDrvDiag_FetFlt1Data_OP_GET	1	~
Rte_Call_Sa_MtrDrvDiag_FetFlt2Clk_OP_SET	1	Rte_Call_Sa_MtrDrvDiag_FetFlt2Clk_OP_SET	1	•
GateDrvWaitTime	1	GateDrvWaitTime	1	~
Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32	1	Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32	1	~
Rte_Call_Sa_MtrDrvDiag_SystemTime_DtrmnElapsedTime_uS_u16	1	Rte_Call_Sa_MtrDrvDiag_SystemTime_DtrmnElapsedTime_uS_u16	1	~
Rte_Call_Sa_MtrDrvDiag_FetFlt2Clk_OP_SET	1	Rte_Call_Sa_MtrDrvDiag_FetFlt2Clk_OP_SET	1	~
GateDrvWaitTime	1	GateDrvWaitTime	1	~
Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32	1	Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32	1	~
Rte_Call_Sa_MtrDrvDiag_SystemTime_DtrmnElapsedTime_uS_u16	253	Rte_Call_Sa_MtrDrvDiag_SystemTime_DtrmnElapsedTime_uS_u16	253	~
Rte_Call_Sa_MtrDrvDiag_FetFlt1Data_OP_GET	1	Rte_Call_Sa_MtrDrvDiag_FetFlt1Data_OP_GET	1	✓
Rte_Call_Sa_MtrDrvDiag_FetFlt2Clk_OP_SET	1	Rte_Call_Sa_MtrDrvDiag_FetFlt2Clk_OP_SET	1	~
GateDrvWaitTime	1	GateDrvWaitTime	1	V
Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32	1	Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32	1	✓
Rte_Call_Sa_MtrDrvDiag_SystemTime_DtrmnElapsedTime_uS_u16	1	Rte_Call_Sa_MtrDrvDiag_SystemTime_DtrmnElapsedTime_uS_u16	1	· ·
Rte_Call_Sa_MtrDrvDiag_FetFlt2Clk_OP_SET GateDrvWaitTime	1	Rte_Call_Sa_MtrDrvDiag_FetFlt2Clk_OP_SET GateDrvWaitTime	1	~
	1		1	-
Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32 Rte_Call_Sa_MtrDrvDiag_SystemTime_DtrmnElapsedTime_uS_u16	1	Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32 Rte_Call_Sa_MtrDrvDiag_SystemTime_DtrmnElapsedTime_uS_u16	1	~
Rte_Call_Sa_MtrDrvDiag_FetFlt1Data_OP_GET	1	Rte_Call_Sa_MtrDrvDiag_FetFlt1Data_OP_GET	1	,
Rte_Call_Sa_MtrDrvDiag_FetFlt2Clk_OP_SET	1	Rte_Call_Sa_MtrDrvDiag_FetFlt2Clk_OP_SET	1	·
GateDrvWaitTime	1	GateDrvWaitTime	1	-
Rte Call Sa MtrDrvDiag SystemTime GetSystemTime uS u32	1	Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32	1	*
Rte Call Sa MtrDrvDiag SystemTime DtrmnElapsedTime uS u16	1	Rte Call Sa MtrDrvDiag SystemTime DtrmnElapsedTime uS u16	1	-
Rte_Call_Sa_MtrDrvDiag_FetFlt2Clk_OP_SET	1	Rte_Call_Sa_MtrDrvDiag_FetFlt2Clk_OP_SET	1	✓
GateDrvWaitTime	1	GateDrvWaitTime	1	~
Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32	1	Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32	1	•
Rte_Call_Sa_MtrDrvDiag_SystemTime_DtrmnElapsedTime_uS_u16	253	Rte_Call_Sa_MtrDrvDiag_SystemTime_DtrmnElapsedTime_uS_u16	253	~
Rte_Call_Sa_MtrDrvDiag_FetFlt1Data_OP_GET	1	Rte_Call_Sa_MtrDrvDiag_FetFlt1Data_OP_GET	1	•
Rte_Call_Sa_MtrDrvDiag_FetFlt2Clk_OP_SET	1	Rte_Call_Sa_MtrDrvDiag_FetFlt2Clk_OP_SET	1	•
GateDrvWaitTime	1	GateDrvWaitTime	1	✓
Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32	1	Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32	1	~
Rte_Call_Sa_MtrDrvDiag_SystemTime_DtrmnElapsedTime_uS_u16	1	Rte_Call_Sa_MtrDrvDiag_SystemTime_DtrmnElapsedTime_uS_u16	1	✓
Rte_Call_Sa_MtrDrvDiag_FetFlt2Clk_OP_SET	1	Rte_Call_Sa_MtrDrvDiag_FetFlt2Clk_OP_SET	1	~
GateDrvWaitTime	1	GateDrvWaitTime	1	✓
Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32	1	Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32	1	~
Rte_Call_Sa_MtrDrvDiag_SystemTime_DtrmnElapsedTime_uS_u16	1	Rte_Call_Sa_MtrDrvDiag_SystemTime_DtrmnElapsedTime_uS_u16	1	✓
Rte_Call_Sa_MtrDrvDiag_FetFlt1Data_OP_GET	1	Rte_Call_Sa_MtrDrvDiag_FetFlt1Data_OP_GET	1	*
				- 0
Rte_Call_Sa_MtrDrvDiag_FetFlt2Clk_OP_SET GateDrvWaitTime	1	Rte_Call_Sa_MtrDrvDiag_FetFlt2Clk_OP_SET GateDrvWaitTime	1	•

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Actual Function	Count	Expected Function	Count	Result
Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32	1	Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32	1	~
Rte_Call_Sa_MtrDrvDiag_SystemTime_DtrmnElapsedTime_uS_u16	1	Rte_Call_Sa_MtrDrvDiag_SystemTime_DtrmnElapsedTime_uS_u16	1	~
Rte_Call_Sa_MtrDrvDiag_FetFlt2Clk_OP_SET	1	Rte_Call_Sa_MtrDrvDiag_FetFlt2Clk_OP_SET	1	~
GateDrvWaitTime	1	GateDrvWaitTime	1	~
Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32	1	Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32	1	~
Rte_Call_Sa_MtrDrvDiag_SystemTime_DtrmnElapsedTime_uS_u16	253	Rte_Call_Sa_MtrDrvDiag_SystemTime_DtrmnElapsedTime_uS_u16	253	~
Rte_Call_Sa_MtrDrvDiag_FetFlt1Data_OP_GET	1	Rte_Call_Sa_MtrDrvDiag_FetFlt1Data_OP_GET	1	~
Rte_Call_Sa_MtrDrvDiag_FetFlt2Clk_OP_SET	1	Rte_Call_Sa_MtrDrvDiag_FetFlt2Clk_OP_SET	1	~
GateDrvWaitTime	1	GateDrvWaitTime	1	~
Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32	1	Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32	1	~
Rte_Call_Sa_MtrDrvDiag_SystemTime_DtrmnElapsedTime_uS_u16	1	Rte_Call_Sa_MtrDrvDiag_SystemTime_DtrmnElapsedTime_uS_u16	1	~
Rte_Call_Sa_MtrDrvDiag_FetFlt2Clk_OP_SET	1	Rte_Call_Sa_MtrDrvDiag_FetFlt2Clk_OP_SET	1	~
GateDrvWaitTime	1	GateDrvWaitTime	1	~
Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32	1	Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32	1	~
Rte_Call_Sa_MtrDrvDiag_SystemTime_DtrmnElapsedTime_uS_u16	1	Rte_Call_Sa_MtrDrvDiag_SystemTime_DtrmnElapsedTime_uS_u16	1	~
Rte_Call_Sa_MtrDrvDiag_FetFlt1Data_OP_GET	1	Rte_Call_Sa_MtrDrvDiag_FetFlt1Data_OP_GET	1	~
Rte_Call_Sa_MtrDrvDiag_FetFlt2Clk_OP_SET	1	Rte_Call_Sa_MtrDrvDiag_FetFlt2Clk_OP_SET	1	~
GateDrvWaitTime	1	GateDrvWaitTime	1	~
Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32	1	Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32	1	~
Rte_Call_Sa_MtrDrvDiag_SystemTime_DtrmnElapsedTime_uS_u16	1	Rte_Call_Sa_MtrDrvDiag_SystemTime_DtrmnElapsedTime_uS_u16	1	~
Rte_Call_Sa_MtrDrvDiag_loHwAbPortConfig_SetFetFlt2ToOutput	1	Rte_Call_Sa_MtrDrvDiag_loHwAbPortConfig_SetFetFlt2ToOutput	1	~
Rte_Call_Sa_MtrDrvDiag_NxtrDiagMgr_SetNTCStatus	1	Rte_Call_Sa_MtrDrvDiag_NxtrDiagMgr_SetNTCStatus	1	~

Name	Input Value		
GenGateDriveFltAccPtr_Cnt_T_u16	target_GenGateDriveFltAccPtr_Cnt_T_u16		
OnStateFltAccPtr_Cnt_T_u16	target_OnStateFltAccPtr_Cnt_T_u16		
Rte_Call_Sa_MtrDrvDiag_NxtrDiagMgr_GetNTCFailed(NTCFailed_Ptr_T_lgc)	target_Rte_Call_Sa_MtrDrvDiag_NxtrDiagM	gr_GetNTCFailed_NTCFailed_Ptr_T_lgc	
Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32(CurrentTime)	target_Rte_Call_Sa_MtrDrvDiag_SystemTim	ne_GetSystemTime_uS_u32_CurrentTime	
SVDiag_FETFaultPhase_Cnt_M_enum	0		
SVDiag_FETFaultType_Cnt_M_enum	2		
SVDiag_ResetWaitLoop_Cnt_M_lgc	0		
k_OnStateDiag_Cnt_str.Threshold	100		
k_OnStateDiag_Cnt_str.PStep	690		
target_GenGateDriveFltAccPtr_Cnt_T_u16	100		
target_OnStateFltAccPtr_Cnt_T_u16	366		
target_Rte_Call_Sa_MtrDrvDiag_NxtrDiagMgr_GetNTCFailed_NTCFailed_Ptr_T_lgr	0		
target_Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32_CurrentTir	15000		
Name	Actual Value	Expected Value	Result
Rte_Call_Sa_MtrDrvDiag_NxtrDiagMgr_SetNTCStatus(NTC_Cnt_T_enum)	77	77	-
Rte_Call_Sa_MtrDrvDiag_NxtrDiagMgr_SetNTCStatus(Param_Cnt_T_u08)	2	2	-
Rte_Call_Sa_MtrDrvDiag_NxtrDiagMgr_SetNTCStatus(Status_Cnt_T_enum)	1	1	-
SVDiag_FETFaultPhase_Cnt_M_enum	0	0	-
SVDiag_FETFaultType_Cnt_M_enum	0	0	-
SVDiag_ResetWaitLoop_Cnt_M_lgc	0	0	-
target_GenGateDriveFltAccPtr_Cnt_T_u16	100	100	~
target OnStateFltAccPtr Cnt T u16	0	0	✓

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Actual Function		Expected Function		Result
Rte_Call_Sa_MtrDrvDiag_NxtrDiagMgr_GetNTCFailed	1	Rte_Call_Sa_MtrDrvDiag_NxtrDiagMgr_GetNTCFailed	1	~
ReadMtrDrvFltData	1	ReadMtrDrvFltData	1	~
Rte_Call_Sa_MtrDrvDiag_loHwAbPortConfig_SetFetFlt2ToOutput	1	Rte_Call_Sa_MtrDrvDiag_IoHwAbPortConfig_SetFetFlt2ToOutput	1	V
Rte_Call_Sa_MtrDrvDiag_FetFlt2Clk_OP_SET GateDrvWaitTime	1	Rte_Call_Sa_MtrDrvDiag_FetFlt2Clk_OP_SET GateDrvWaitTime	1	₩
Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32	1	Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32	1	~
Rte_Call_Sa_MtrDrvDiag_SystemTime_DtrmnElapsedTime_uS_u16	1	Rte_Call_Sa_MtrDrvDiag_SystemTime_DtrmnElapsedTime_uS_u16	1	,
Rte_Call_Sa_MtrDrvDiag_FetFlt1Data_OP_GET	1	Rte_Call_Sa_MtrDrvDiag_FetFlt1Data_OP_GET	1	-
Rte_Call_Sa_MtrDrvDiag_FetFlt2Clk_OP_SET	1	Rte Call Sa MtrDrvDiag FetFlt2Clk OP SET	1	-
GateDrvWaitTime	1	GateDrvWaitTime	1	•
Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32	1	Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32	1	-
Rte_Call_Sa_MtrDrvDiag_SystemTime_DtrmnElapsedTime_uS_u16	1	Rte_Call_Sa_MtrDrvDiag_SystemTime_DtrmnElapsedTime_uS_u16	1	•
Rte_Call_Sa_MtrDrvDiag_FetFlt2Clk_OP_SET	1	Rte_Call_Sa_MtrDrvDiag_FetFlt2Clk_OP_SET	1	•
GateDrvWaitTime	1	GateDrvWaitTime	1	~
Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32	1	Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32	1	•
Rte_Call_Sa_MtrDrvDiag_SystemTime_DtrmnElapsedTime_uS_u16	1	Rte_Call_Sa_MtrDrvDiag_SystemTime_DtrmnElapsedTime_uS_u16	1	~
Rte_Call_Sa_MtrDrvDiag_FetFlt1Data_OP_GET	1	Rte_Call_Sa_MtrDrvDiag_FetFlt1Data_OP_GET	1	~
Rte_Call_Sa_MtrDrvDiag_FetFlt2Clk_OP_SET	1	Rte_Call_Sa_MtrDrvDiag_FetFlt2Clk_OP_SET	1	~
GateDrvWaitTime	1	GateDrvWaitTime	1	~
Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32	1	Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32	1	~
Rte_Call_Sa_MtrDrvDiag_SystemTime_DtrmnElapsedTime_uS_u16	1	Rte_Call_Sa_MtrDrvDiag_SystemTime_DtrmnElapsedTime_uS_u16	1	V
Rte_Call_Sa_MtrDrvDiag_FetFlt2Clk_OP_SET	1	Rte_Call_Sa_MtrDrvDiag_FetFlt2Clk_OP_SET	1	•
GateDrvWaitTime	1	GateDrvWaitTime	1	•
Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32	1	Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32	1	V
Rte_Call_Sa_MtrDrvDiag_SystemTime_DtrmnElapsedTime_uS_u16	253	Rte_Call_Sa_MtrDrvDiag_SystemTime_DtrmnElapsedTime_uS_u16	253	✓
Rte_Call_Sa_MtrDrvDiag_FetFlt1Data_OP_GET	1	Rte_Call_Sa_MtrDrvDiag_FetFlt1Data_OP_GET	1	
Rte_Call_Sa_MtrDrvDiag_FetFlt2Clk_OP_SET GateDrvWaitTime	1	Rte_Call_Sa_MtrDrvDiag_FetFlt2Clk_OP_SET GateDrvWaitTime	1	-
Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32	1	Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32	1	
Rte_Call_Sa_MtrDrvDiag_SystemTime_DtrmnElapsedTime_uS_u16	1	Rte_Call_Sa_MtrDrvDiag_SystemTime_DtrmnElapsedTime_uS_u16	1	·
Rte_Call_Sa_MtrDrvDiag_FetFlt2Clk_OP_SET	1	Rte_Call_Sa_MtrDrvDiag_FetFlt2Clk_OP_SET	1	
GateDrvWaitTime	1	GateDrvWaitTime	1	-
Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32	1	Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32	1	-
Rte_Call_Sa_MtrDrvDiag_SystemTime_DtrmnElapsedTime_uS_u16	1	Rte_Call_Sa_MtrDrvDiag_SystemTime_DtrmnElapsedTime_uS_u16	1	~
Rte_Call_Sa_MtrDrvDiag_FetFlt1Data_OP_GET	1	Rte_Call_Sa_MtrDrvDiag_FetFlt1Data_OP_GET	1	~
Rte_Call_Sa_MtrDrvDiag_FetFlt2Clk_OP_SET	1	Rte_Call_Sa_MtrDrvDiag_FetFlt2Clk_OP_SET	1	•
GateDrvWaitTime	1	GateDrvWaitTime	1	~
Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32	1	Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32	1	~
Rte_Call_Sa_MtrDrvDiag_SystemTime_DtrmnElapsedTime_uS_u16	1	Rte_Call_Sa_MtrDrvDiag_SystemTime_DtrmnElapsedTime_uS_u16	1	~
Rte_Call_Sa_MtrDrvDiag_FetFlt2Clk_OP_SET	1	Rte_Call_Sa_MtrDrvDiag_FetFlt2Clk_OP_SET	1	~
GateDrvWaitTime	1	GateDrvWaitTime	1	~
Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32	1	Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32	1	~
Rte_Call_Sa_MtrDrvDiag_SystemTime_DtrmnElapsedTime_uS_u16	253	Rte_Call_Sa_MtrDrvDiag_SystemTime_DtrmnElapsedTime_uS_u16	253	~
Rte_Call_Sa_MtrDrvDiag_FetFlt1Data_OP_GET	1	Rte_Call_Sa_MtrDrvDiag_FetFlt1Data_OP_GET	1	✓
Rte_Call_Sa_MtrDrvDiag_FetFlt2Clk_OP_SET	1	Rte_Call_Sa_MtrDrvDiag_FetFlt2Clk_OP_SET	1	~
GateDrvWaitTime	1	GateDrvWaitTime	1	V
Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32	1	Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32	1	✓
Rte_Call_Sa_MtrDrvDiag_SystemTime_DtrmnElapsedTime_uS_u16	1	Rte_Call_Sa_MtrDrvDiag_SystemTime_DtrmnElapsedTime_uS_u16	1	· ·
Rte_Call_Sa_MtrDrvDiag_FetFlt2Clk_OP_SET GateDrvWaitTime	1	Rte_Call_Sa_MtrDrvDiag_FetFlt2Clk_OP_SET GateDrvWaitTime	1	~
	1		1	-
Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32 Rte_Call_Sa_MtrDrvDiag_SystemTime_DtrmnElapsedTime_uS_u16	1	Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32 Rte_Call_Sa_MtrDrvDiag_SystemTime_DtrmnElapsedTime_uS_u16	1	~
Rte_Call_Sa_MtrDrvDiag_FetFlt1Data_OP_GET	1	Rte_Call_Sa_MtrDrvDiag_FetFlt1Data_OP_GET	1	,
Rte_Call_Sa_MtrDrvDiag_FetFlt2Clk_OP_SET	1	Rte_Call_Sa_MtrDrvDiag_FetFlt2Clk_OP_SET	1	·
GateDrvWaitTime	1	GateDrvWaitTime	1	-
Rte Call Sa MtrDrvDiag SystemTime GetSystemTime uS u32	1	Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32	1	*
Rte Call Sa MtrDrvDiag SystemTime DtrmnElapsedTime uS u16	1	Rte Call Sa MtrDrvDiag SystemTime DtrmnElapsedTime uS u16	1	-
Rte_Call_Sa_MtrDrvDiag_FetFlt2Clk_OP_SET	1	Rte_Call_Sa_MtrDrvDiag_FetFlt2Clk_OP_SET	1	✓
GateDrvWaitTime	1	GateDrvWaitTime	1	~
Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32	1	Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32	1	•
Rte_Call_Sa_MtrDrvDiag_SystemTime_DtrmnElapsedTime_uS_u16	253	Rte_Call_Sa_MtrDrvDiag_SystemTime_DtrmnElapsedTime_uS_u16	253	~
Rte_Call_Sa_MtrDrvDiag_FetFlt1Data_OP_GET	1	Rte_Call_Sa_MtrDrvDiag_FetFlt1Data_OP_GET	1	•
Rte_Call_Sa_MtrDrvDiag_FetFlt2Clk_OP_SET	1	Rte_Call_Sa_MtrDrvDiag_FetFlt2Clk_OP_SET	1	•
GateDrvWaitTime	1	GateDrvWaitTime	1	✓
Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32	1	Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32	1	~
Rte_Call_Sa_MtrDrvDiag_SystemTime_DtrmnElapsedTime_uS_u16	1	Rte_Call_Sa_MtrDrvDiag_SystemTime_DtrmnElapsedTime_uS_u16	1	✓
Rte_Call_Sa_MtrDrvDiag_FetFlt2Clk_OP_SET	1	Rte_Call_Sa_MtrDrvDiag_FetFlt2Clk_OP_SET	1	~
GateDrvWaitTime	1	GateDrvWaitTime	1	✓
Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32	1	Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32	1	~
Rte_Call_Sa_MtrDrvDiag_SystemTime_DtrmnElapsedTime_uS_u16	1	Rte_Call_Sa_MtrDrvDiag_SystemTime_DtrmnElapsedTime_uS_u16	1	✓
Rte_Call_Sa_MtrDrvDiag_FetFlt1Data_OP_GET	1	Rte_Call_Sa_MtrDrvDiag_FetFlt1Data_OP_GET	1	*
				- 0
Rte_Call_Sa_MtrDrvDiag_FetFlt2Clk_OP_SET GateDrvWaitTime	1	Rte_Call_Sa_MtrDrvDiag_FetFlt2Clk_OP_SET GateDrvWaitTime	1	•

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Actual Function	Count	Expected Function	Count	Result
Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32	1	Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32	1	~
Rte_Call_Sa_MtrDrvDiag_SystemTime_DtrmnElapsedTime_uS_u16	1	Rte_Call_Sa_MtrDrvDiag_SystemTime_DtrmnElapsedTime_uS_u16	1	~
Rte_Call_Sa_MtrDrvDiag_FetFlt2Clk_OP_SET	1	Rte_Call_Sa_MtrDrvDiag_FetFlt2Clk_OP_SET	1	~
GateDrvWaitTime	1	GateDrvWaitTime	1	~
Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32	1	Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32	1	✓
Rte_Call_Sa_MtrDrvDiag_SystemTime_DtrmnElapsedTime_uS_u16	253	Rte_Call_Sa_MtrDrvDiag_SystemTime_DtrmnElapsedTime_uS_u16	253	~
Rte_Call_Sa_MtrDrvDiag_FetFlt1Data_OP_GET	1	Rte_Call_Sa_MtrDrvDiag_FetFlt1Data_OP_GET	1	✓
Rte_Call_Sa_MtrDrvDiag_FetFlt2Clk_OP_SET	1	Rte_Call_Sa_MtrDrvDiag_FetFlt2Clk_OP_SET	1	~
GateDrvWaitTime	1	GateDrvWaitTime	1	~
Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32	1	Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32	1	~
Rte_Call_Sa_MtrDrvDiag_SystemTime_DtrmnElapsedTime_uS_u16	1	Rte_Call_Sa_MtrDrvDiag_SystemTime_DtrmnElapsedTime_uS_u16	1	•
Rte_Call_Sa_MtrDrvDiag_FetFlt2Clk_OP_SET	1	Rte_Call_Sa_MtrDrvDiag_FetFlt2Clk_OP_SET	1	~
GateDrvWaitTime	1	GateDrvWaitTime	1	•
Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32	1	Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32	1	•
Rte_Call_Sa_MtrDrvDiag_SystemTime_DtrmnElapsedTime_uS_u16	1	Rte_Call_Sa_MtrDrvDiag_SystemTime_DtrmnElapsedTime_uS_u16	1	•
Rte_Call_Sa_MtrDrvDiag_FetFlt1Data_OP_GET	1	Rte_Call_Sa_MtrDrvDiag_FetFlt1Data_OP_GET	1	~
Rte_Call_Sa_MtrDrvDiag_FetFlt2Clk_OP_SET	1	Rte_Call_Sa_MtrDrvDiag_FetFlt2Clk_OP_SET	1	•
GateDrvWaitTime	1	GateDrvWaitTime	1	~
Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32	1	Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32	1	~
Rte_Call_Sa_MtrDrvDiag_SystemTime_DtrmnElapsedTime_uS_u16	1	Rte_Call_Sa_MtrDrvDiag_SystemTime_DtrmnElapsedTime_uS_u16	1	~
Rte_Call_Sa_MtrDrvDiag_loHwAbPortConfig_SetFetFlt2ToOutput	1	Rte_Call_Sa_MtrDrvDiag_IoHwAbPortConfig_SetFetFlt2ToOutput	1	•
Rte_Call_Sa_MtrDrvDiag_NxtrDiagMgr_SetNTCStatus	1	Rte_Call_Sa_MtrDrvDiag_NxtrDiagMgr_SetNTCStatus	1	~

Test Step 2.7 (Repeat Count = 1)			· ·
Name	Input Value		
GenGateDriveFltAccPtr_Cnt_T_u16	target_GenGateDriveFltAccPtr_Cnt_T_u16		
OnStateFltAccPtr_Cnt_T_u16	target_OnStateFltAccPtr_Cnt_T_u16		
Rte_Call_Sa_MtrDrvDiag_NxtrDiagMgr_GetNTCFailed(NTCFailed_Ptr_T_lgc)	target_Rte_Call_Sa_MtrDrvDiag_NxtrDiagM	gr_GetNTCFailed_NTCFailed_Ptr_T_lgc	
Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32(CurrentTime)	target_Rte_Call_Sa_MtrDrvDiag_SystemTim	ne_GetSystemTime_uS_u32_CurrentTime	
SVDiag_FETFaultPhase_Cnt_M_enum	1		
SVDiag_FETFaultType_Cnt_M_enum	1		
SVDiag_ResetWaitLoop_Cnt_M_lgc	0		
k_OnStateDiag_Cnt_str.Threshold	0		
k_OnStateDiag_Cnt_str.PStep	1004		
target_GenGateDriveFltAccPtr_Cnt_T_u16	10		
target_OnStateFltAccPtr_Cnt_T_u16	854		
$target_Rte_Call_Sa_MtrDrvDiag_NxtrDiagMgr_GetNTCFailed_NTCFailed_Ptr_T_lg$	0		
$target_Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32_CurrentTireus_us_us_us_us_us_us_us_us_us_us_us_us_u$	0		
Name	Actual Value	Expected Value	Result
Rte_Call_Sa_MtrDrvDiag_NxtrDiagMgr_SetNTCStatus(NTC_Cnt_T_enum)	79	79	-
Rte_Call_Sa_MtrDrvDiag_NxtrDiagMgr_SetNTCStatus(Param_Cnt_T_u08)	1	1	-
Rte_Call_Sa_MtrDrvDiag_NxtrDiagMgr_SetNTCStatus(Status_Cnt_T_enum)	1	1	•
SVDiag_FETFaultPhase_Cnt_M_enum	3	3	-
SVDiag_FETFaultType_Cnt_M_enum	2	2	-
SVDiag_ResetWaitLoop_Cnt_M_lgc	0	0	-
target_GenGateDriveFltAccPtr_Cnt_T_u16	10	10	-
target_OnStateFltAccPtr_Cnt_T_u16	0	0	-

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Actual Function		Expected Function	Count	Result
Rte_Call_Sa_MtrDrvDiag_NxtrDiagMgr_GetNTCFailed	1	Rte_Call_Sa_MtrDrvDiag_NxtrDiagMgr_GetNTCFailed	1	~
ReadMtrDrvFltData	1	ReadMtrDrvFltData	1	~
Rte_Call_Sa_MtrDrvDiag_loHwAbPortConfig_SetFetFlt2ToOutput Rte_Call_Sa_MtrDrvDiag_FetFlt2Clk_OP_SET	1	Rte_Call_Sa_MtrDrvDiag_IoHwAbPortConfig_SetFetFlt2ToOutput Rte_Call_Sa_MtrDrvDiag_FetFlt2Clk_OP_SET	1	~
GateDrvWaitTime	1	GateDrvWaitTime	1	
Rte Call Sa MtrDrvDiag SystemTime GetSystemTime uS u32	1	Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32	1	~
Rte_Call_Sa_MtrDrvDiag_SystemTime_DtrmnElapsedTime_uS_u16	1	Rte_Call_Sa_MtrDrvDiag_SystemTime_DtrmnElapsedTime_uS_u16	1	~
Rte_Call_Sa_MtrDrvDiag_FetFlt1Data_OP_GET	1	Rte_Call_Sa_MtrDrvDiag_FetFlt1Data_OP_GET	1	•
Rte_Call_Sa_MtrDrvDiag_FetFlt2Clk_OP_SET	1	Rte_Call_Sa_MtrDrvDiag_FetFlt2Clk_OP_SET	1	~
GateDrvWaitTime	1	GateDrvWaitTime	1	~
Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32	1	Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32	1	~
Rte_Call_Sa_MtrDrvDiag_SystemTime_DtrmnElapsedTime_uS_u16	1	Rte_Call_Sa_MtrDrvDiag_SystemTime_DtrmnElapsedTime_uS_u16	1	~
Rte_Call_Sa_MtrDrvDiag_FetFlt2Clk_OP_SET	1	Rte_Call_Sa_MtrDrvDiag_FetFlt2Clk_OP_SET	1	•
GateDrvWaitTime Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32	1	GateDrvWaitTime Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32	1	
Rte_Call_Sa_MtrDrvDiag_SystemTime_DtrmnElapsedTime_uS_u16	1	Rte_Call_Sa_MtrDrvDiag_SystemTime_DtrmnElapsedTime_uS_u16	1	~
Rte_Call_Sa_MtrDrvDiag_FetFlt1Data_OP_GET	1	Rte_Call_Sa_MtrDrvDiag_FetFlt1Data_OP_GET	1	•
Rte_Call_Sa_MtrDrvDiag_FetFlt2Clk_OP_SET	1	Rte_Call_Sa_MtrDrvDiag_FetFlt2Clk_OP_SET	1	~
GateDrvWaitTime	1	GateDrvWaitTime	1	~
Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32	1	Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32	1	•
Rte_Call_Sa_MtrDrvDiag_SystemTime_DtrmnElapsedTime_uS_u16	1	Rte_Call_Sa_MtrDrvDiag_SystemTime_DtrmnElapsedTime_uS_u16	1	~
Rte_Call_Sa_MtrDrvDiag_FetFlt2Clk_OP_SET	1	Rte_Call_Sa_MtrDrvDiag_FetFlt2Clk_OP_SET	1	~
GateDrvWaitTime	1	GateDrvWaitTime	1	•
Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32 Rte_Call_Sa_MtrDrvDiag_SystemTime_DtrmnElapsedTime_uS_u16	1 253	Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32	1 253	~
Rte Call Sa MtrDrvDiag FetFlt1Data OP GET	1	Rte_Call_Sa_MtrDrvDiag_SystemTime_DtrmnElapsedTime_uS_u16 Rte_Call_Sa_MtrDrvDiag_FetFlt1Data_OP_GET	1	~
Rte Call Sa MtrDrvDiag FetFlt2Clk OP SET	1	Rte_Call_Sa_MtrDrvDiag_FetFlt2Clk_OP_SET	1	
GateDrvWaitTime	1	GateDrvWaitTime	1	~
Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32	1	Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32	1	~
Rte_Call_Sa_MtrDrvDiag_SystemTime_DtrmnElapsedTime_uS_u16	1	Rte_Call_Sa_MtrDrvDiag_SystemTime_DtrmnElapsedTime_uS_u16	1	•
Rte_Call_Sa_MtrDrvDiag_FetFlt2Clk_OP_SET	1	Rte_Call_Sa_MtrDrvDiag_FetFlt2Clk_OP_SET	1	~
GateDrvWaitTime	1	GateDrvWaitTime	1	•
Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32	1	Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32	1	~
Rte_Call_Sa_MtrDrvDiag_SystemTime_DtrmnElapsedTime_uS_u16	1	Rte_Call_Sa_MtrDrvDiag_SystemTime_DtrmnElapsedTime_uS_u16	1	~
Rte_Call_Sa_MtrDrvDiag_FetFlt1Data_OP_GET	1	Rte_Call_Sa_MtrDrvDiag_FetFlt1Data_OP_GET	1	~
Rte_Call_Sa_MtrDrvDiag_FetFlt2Clk_OP_SET	1	Rte_Call_Sa_MtrDrvDiag_FetFlt2Clk_OP_SET	1	~
GateDrvWaitTime Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32	1	GateDrvWaitTime Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32	1	~
Rte Call Sa MtrDrvDiag SystemTime DtrmnElapsedTime uS u16	1	Rte_Call_Sa_MtrDrvDiag_SystemTime_DtrmnElapsedTime_uS_u16	1	
Rte_Call_Sa_MtrDrvDiag_FetFlt2Clk_OP_SET	1	Rte_Call_Sa_MtrDrvDiag_FetFlt2Clk_OP_SET	1	V
GateDrvWaitTime	1	GateDrvWaitTime	1	~
Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32	1	Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32	1	~
Rte_Call_Sa_MtrDrvDiag_SystemTime_DtrmnElapsedTime_uS_u16	253	Rte_Call_Sa_MtrDrvDiag_SystemTime_DtrmnElapsedTime_uS_u16	253	~
Rte_Call_Sa_MtrDrvDiag_FetFlt1Data_OP_GET	1	Rte_Call_Sa_MtrDrvDiag_FetFlt1Data_OP_GET	1	•
Rte_Call_Sa_MtrDrvDiag_FetFlt2Clk_OP_SET	1	Rte_Call_Sa_MtrDrvDiag_FetFlt2Clk_OP_SET	1	~
GateDrvWaitTime	1	GateDrvWaitTime	1	~
Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32 Rte_Call_Sa_MtrDrvDiag_SystemTime_DtrmnElapsedTime_uS_u16	1	Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32 Rte_Call_Sa_MtrDrvDiag_SystemTime_DtrmnElapsedTime_uS_u16	1	~
Rte Call Sa MtrDrvDiag FetFlt2Clk OP SET	1	Rte Call Sa MtrDrvDiag FetFlt2Clk OP SET	1	
GateDrvWaitTime	1	GateDrvWaitTime	1	•
Rte Call Sa MtrDrvDiag SystemTime GetSystemTime uS u32	1	Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32	1	•
Rte_Call_Sa_MtrDrvDiag_SystemTime_DtrmnElapsedTime_uS_u16	1	Rte_Call_Sa_MtrDrvDiag_SystemTime_DtrmnElapsedTime_uS_u16	1	~
Rte_Call_Sa_MtrDrvDiag_FetFlt1Data_OP_GET	1	Rte_Call_Sa_MtrDrvDiag_FetFlt1Data_OP_GET	1	~
Rte_Call_Sa_MtrDrvDiag_FetFlt2Clk_OP_SET	1	Rte_Call_Sa_MtrDrvDiag_FetFlt2Clk_OP_SET	1	~
GateDrvWaitTime	1	GateDrvWaitTime	1	~
Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32	1	Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32	1	~
Rte_Call_Sa_MtrDrvDiag_SystemTime_DtrmnElapsedTime_uS_u16	1	Rte_Call_Sa_MtrDrvDiag_SystemTime_DtrmnElapsedTime_uS_u16	1	V
Rte_Call_Sa_MtrDrvDiag_FetFlt2Clk_OP_SET GateDrvWaitTime	1	Rte_Call_Sa_MtrDrvDiag_FetFlt2Clk_OP_SET GateDrvWaitTime	1	V
Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32	1	Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32	1	~
Rte_Call_Sa_MtrDrvDiag_SystemTime_DtrmnElapsedTime_uS_u16	253	Rte_Call_Sa_MtrDrvDiag_SystemTime_DtrmnElapsedTime_uS_u16	253	-
Rte_Call_Sa_MtrDrvDiag_FetFlt1Data_OP_GET	1	Rte_Call_Sa_MtrDrvDiag_FetFlt1Data_OP_GET	1	~
Rte_Call_Sa_MtrDrvDiag_FetFlt2Clk_OP_SET	1	Rte_Call_Sa_MtrDrvDiag_FetFlt2Clk_OP_SET	1	~
GateDrvWaitTime	1	GateDrvWaitTime	1	~
Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32	1	Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32	1	•
Rte_Call_Sa_MtrDrvDiag_SystemTime_DtrmnElapsedTime_uS_u16	1	Rte_Call_Sa_MtrDrvDiag_SystemTime_DtrmnElapsedTime_uS_u16	1	•
Rte_Call_Sa_MtrDrvDiag_FetFlt2Clk_OP_SET	1	Rte_Call_Sa_MtrDrvDiag_FetFlt2Clk_OP_SET	1	~
GateDrvWaitTime	1	GateDrvWaitTime	1	V
Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32	1	Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32	1	V
Dto Coll Co MtsDn Dion Contractions Dto 51 17 C	1	Rte_Call_Sa_MtrDrvDiag_SystemTime_DtrmnElapsedTime_uS_u16	1	✓
Rte_Call_Sa_MtrDrvDiag_SystemTime_DtrmnElapsedTime_uS_u16			4	
Rte_Call_Sa_MtrDrvDiag_SystemTime_DtrmnElapsedTime_uS_u16 Rte_Call_Sa_MtrDrvDiag_FetFlt1Data_OP_GET Rte_Call_Sa_MtrDrvDiag_FetFlt2Clk_OP_SET	1	Rte_Call_Sa_MtrDrvDiag_FetFlt1Data_OP_GET Rte_Call_Sa_MtrDrvDiag_FetFlt2Clk_OP_SET	1	~

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Actual Function	Count	Expected Function	Count	Result
Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32	1	Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32	1	~
Rte_Call_Sa_MtrDrvDiag_SystemTime_DtrmnElapsedTime_uS_u16	1	Rte_Call_Sa_MtrDrvDiag_SystemTime_DtrmnElapsedTime_uS_u16	1	~
Rte_Call_Sa_MtrDrvDiag_FetFlt2Clk_OP_SET	1	Rte_Call_Sa_MtrDrvDiag_FetFlt2Clk_OP_SET	1	~
GateDrvWaitTime	1	GateDrvWaitTime	1	~
Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32	1	Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32	1	•
Rte_Call_Sa_MtrDrvDiag_SystemTime_DtrmnElapsedTime_uS_u16	253	Rte_Call_Sa_MtrDrvDiag_SystemTime_DtrmnElapsedTime_uS_u16	253	~
Rte_Call_Sa_MtrDrvDiag_FetFlt1Data_OP_GET	1	Rte_Call_Sa_MtrDrvDiag_FetFlt1Data_OP_GET	1	~
Rte_Call_Sa_MtrDrvDiag_FetFlt2Clk_OP_SET	1	Rte_Call_Sa_MtrDrvDiag_FetFlt2Clk_OP_SET	1	~
GateDrvWaitTime	1	GateDrvWaitTime	1	~
Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32	1	Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32	1	~
Rte_Call_Sa_MtrDrvDiag_SystemTime_DtrmnElapsedTime_uS_u16	1	Rte_Call_Sa_MtrDrvDiag_SystemTime_DtrmnElapsedTime_uS_u16	1	~
Rte_Call_Sa_MtrDrvDiag_FetFlt2Clk_OP_SET	1	Rte_Call_Sa_MtrDrvDiag_FetFlt2Clk_OP_SET	1	~
GateDrvWaitTime	1	GateDrvWaitTime	1	✓
Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32	1	Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32	1	~
Rte_Call_Sa_MtrDrvDiag_SystemTime_DtrmnElapsedTime_uS_u16	1	Rte_Call_Sa_MtrDrvDiag_SystemTime_DtrmnElapsedTime_uS_u16	1	~
Rte_Call_Sa_MtrDrvDiag_FetFlt1Data_OP_GET	1	Rte_Call_Sa_MtrDrvDiag_FetFlt1Data_OP_GET	1	~
Rte_Call_Sa_MtrDrvDiag_FetFlt2Clk_OP_SET	1	Rte_Call_Sa_MtrDrvDiag_FetFlt2Clk_OP_SET	1	~
GateDrvWaitTime	1	GateDrvWaitTime	1	~
Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32	1	Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32	1	~
Rte_Call_Sa_MtrDrvDiag_SystemTime_DtrmnElapsedTime_uS_u16	1	Rte_Call_Sa_MtrDrvDiag_SystemTime_DtrmnElapsedTime_uS_u16	1	~
Rte_Call_Sa_MtrDrvDiag_IoHwAbPortConfig_SetFetFlt2ToOutput	1	Rte_Call_Sa_MtrDrvDiag_IoHwAbPortConfig_SetFetFlt2ToOutput	1	~
Rte_Call_Sa_MtrDrvDiag_NxtrDiagMgr_SetNTCStatus	1	Rte_Call_Sa_MtrDrvDiag_NxtrDiagMgr_SetNTCStatus	1	•

Name	Input Value		
GenGateDriveFltAccPtr Cnt T u16	target GenGateDriveFltAccPtr Cnt T u1	6	
OnStateFltAccPtr Cnt T u16	target OnStateFltAccPtr Cnt T u16		
Rte Call Sa MtrDrvDiag NxtrDiagMgr GetNTCFailed(NTCFailed Ptr T lgc)	target Rte Call Sa MtrDrvDiag NxtrDiag	Mgr_GetNTCFailed_NTCFailed_Ptr_T_lgc	
Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32(CurrentTime)		Fime_GetSystemTime_uS_u32_CurrentTime	
SVDiag FETFaultPhase Cnt M enum	2	_ ,	
SVDiag_FETFaultType_Cnt_M_enum	2		
SVDiag ResetWaitLoop Cnt M lgc	1		
k_OnStateDiag_Cnt_str.Threshold	65535		
k_OnStateDiag_Cnt_str.PStep	1318		
target_GenGateDriveFltAccPtr_Cnt_T_u16	20		
target_OnStateFltAccPtr_Cnt_T_u16	713		
target_Rte_Call_Sa_MtrDrvDiag_NxtrDiagMgr_GetNTCFailed_NTCFailed_Ptr_T_lgr	1		
target_Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32_CurrentTir	4000		
Name	Actual Value	Expected Value	Result
Rte_Call_Sa_MtrDrvDiag_NxtrDiagMgr_SetNTCStatus(NTC_Cnt_T_enum)	79	*none*	-
Rte_Call_Sa_MtrDrvDiag_NxtrDiagMgr_SetNTCStatus(Param_Cnt_T_u08)	1	*none*	-
Rte_Call_Sa_MtrDrvDiag_NxtrDiagMgr_SetNTCStatus(Status_Cnt_T_enum)	1	*none*	-
SVDiag_FETFaultPhase_Cnt_M_enum	2	2	-
SVDiag_FETFaultType_Cnt_M_enum	2	2	-
SVDiag_ResetWaitLoop_Cnt_M_lgc	1	1	-
target_GenGateDriveFltAccPtr_Cnt_T_u16	20	20	-
target OnStateFltAccPtr Cnt T u16	2031	2031	

Test Step Call Trace					
Actual Function	Count	Expected Function	Count	Result	
none	0	*** No Call Expected ***	0	_	

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Test Step 2.9 (Repeat Count = 1)			V
Name	Input Value		
GenGateDriveFltAccPtr_Cnt_T_u16	target_GenGateDriveFltAccPtr_Cnt_T_u16		
OnStateFitAccPtr_Cnt_T_u16	target_OnStateFltAccPtr_Cnt_T_u16		
Rte_Call_Sa_MtrDrvDiag_NxtrDiagMgr_GetNTCFailed(NTCFailed_Ptr_T_lgc)	target_Rte_Call_Sa_MtrDrvDiag_NxtrDiagM	gr_GetNTCFailed_NTCFailed_Ptr_T_lgc	
Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32(CurrentTime)	target_Rte_Call_Sa_MtrDrvDiag_SystemTim	e_GetSystemTime_uS_u32_CurrentTime	
SVDiag_FETFaultPhase_Cnt_M_enum	3		
SVDiag_FETFaultType_Cnt_M_enum	0		
SVDiag_ResetWaitLoop_Cnt_M_lgc	1		
k_OnStateDiag_Cnt_str.Threshold	775		
k_OnStateDiag_Cnt_str.PStep	1632		
target_GenGateDriveFltAccPtr_Cnt_T_u16	30		
target_OnStateFltAccPtr_Cnt_T_u16	92		
$target_Rte_Call_Sa_MtrDrvDiag_NxtrDiagMgr_GetNTCFailed_NTCFailed_Ptr_T_lg$	0		
$target_Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32_CurrentTime_us_u32_CurrentTime_us_u32_CurrentTime_us_u32_CurrentTime_us_u32_CurrentTime_us_u32_CurrentTime_us_u32_CurrentTime_us_u332_CurrentT$	4500		
Name	Actual Value	Expected Value	Result
Rte_Call_Sa_MtrDrvDiag_NxtrDiagMgr_SetNTCStatus(NTC_Cnt_T_enum)	79	79	~
Rte_Call_Sa_MtrDrvDiag_NxtrDiagMgr_SetNTCStatus(Param_Cnt_T_u08)	1	1	~
Rte_Call_Sa_MtrDrvDiag_NxtrDiagMgr_SetNTCStatus(Status_Cnt_T_enum)	1	1	•
SVDiag_FETFaultPhase_Cnt_M_enum	3	3	~
SVDiag_FETFaultType_Cnt_M_enum	2	2	~
SVDiag_ResetWaitLoop_Cnt_M_lgc	1	1	~
target_GenGateDriveFltAccPtr_Cnt_T_u16	30	30	~
target_OnStateFltAccPtr_Cnt_T_u16	775	775	~

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Actual Function		Expected Function		Result
Rte_Call_Sa_MtrDrvDiag_NxtrDiagMgr_GetNTCFailed	1	Rte_Call_Sa_MtrDrvDiag_NxtrDiagMgr_GetNTCFailed	1	~
ReadMtrDrvFltData	1	ReadMtrDrvFltData	1	~
Rte_Call_Sa_MtrDrvDiag_loHwAbPortConfig_SetFetFlt2ToOutput	1	Rte_Call_Sa_MtrDrvDiag_IoHwAbPortConfig_SetFetFlt2ToOutput	1	V
Rte_Call_Sa_MtrDrvDiag_FetFlt2Clk_OP_SET GateDrvWaitTime	1	Rte_Call_Sa_MtrDrvDiag_FetFlt2Clk_OP_SET GateDrvWaitTime	1	₩
Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32	1	Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32	1	~
Rte_Call_Sa_MtrDrvDiag_SystemTime_DtrmnElapsedTime_uS_u16	1	Rte_Call_Sa_MtrDrvDiag_SystemTime_DtrmnElapsedTime_uS_u16	1	,
Rte_Call_Sa_MtrDrvDiag_FetFlt1Data_OP_GET	1	Rte_Call_Sa_MtrDrvDiag_FetFlt1Data_OP_GET	1	-
Rte_Call_Sa_MtrDrvDiag_FetFlt2Clk_OP_SET	1	Rte Call Sa MtrDrvDiag FetFlt2Clk OP SET	1	-
GateDrvWaitTime	1	GateDrvWaitTime	1	•
Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32	1	Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32	1	-
Rte_Call_Sa_MtrDrvDiag_SystemTime_DtrmnElapsedTime_uS_u16	1	Rte_Call_Sa_MtrDrvDiag_SystemTime_DtrmnElapsedTime_uS_u16	1	•
Rte_Call_Sa_MtrDrvDiag_FetFlt2Clk_OP_SET	1	Rte_Call_Sa_MtrDrvDiag_FetFlt2Clk_OP_SET	1	•
GateDrvWaitTime	1	GateDrvWaitTime	1	~
Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32	1	Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32	1	•
Rte_Call_Sa_MtrDrvDiag_SystemTime_DtrmnElapsedTime_uS_u16	1	Rte_Call_Sa_MtrDrvDiag_SystemTime_DtrmnElapsedTime_uS_u16	1	~
Rte_Call_Sa_MtrDrvDiag_FetFlt1Data_OP_GET	1	Rte_Call_Sa_MtrDrvDiag_FetFlt1Data_OP_GET	1	~
Rte_Call_Sa_MtrDrvDiag_FetFlt2Clk_OP_SET	1	Rte_Call_Sa_MtrDrvDiag_FetFlt2Clk_OP_SET	1	~
GateDrvWaitTime	1	GateDrvWaitTime	1	~
Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32	1	Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32	1	~
Rte_Call_Sa_MtrDrvDiag_SystemTime_DtrmnElapsedTime_uS_u16	1	Rte_Call_Sa_MtrDrvDiag_SystemTime_DtrmnElapsedTime_uS_u16	1	V
Rte_Call_Sa_MtrDrvDiag_FetFlt2Clk_OP_SET	1	Rte_Call_Sa_MtrDrvDiag_FetFlt2Clk_OP_SET	1	•
GateDrvWaitTime	1	GateDrvWaitTime	1	•
Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32	1	Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32	1	V
Rte_Call_Sa_MtrDrvDiag_SystemTime_DtrmnElapsedTime_uS_u16	253	Rte_Call_Sa_MtrDrvDiag_SystemTime_DtrmnElapsedTime_uS_u16	253	✓
Rte_Call_Sa_MtrDrvDiag_FetFlt1Data_OP_GET	1	Rte_Call_Sa_MtrDrvDiag_FetFlt1Data_OP_GET	1	
Rte_Call_Sa_MtrDrvDiag_FetFlt2Clk_OP_SET GateDrvWaitTime	1	Rte_Call_Sa_MtrDrvDiag_FetFlt2Clk_OP_SET GateDrvWaitTime	1	-
Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32	1	Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32	1	
Rte_Call_Sa_MtrDrvDiag_SystemTime_DtrmnElapsedTime_uS_u16	1	Rte_Call_Sa_MtrDrvDiag_SystemTime_DtrmnElapsedTime_uS_u16	1	·
Rte_Call_Sa_MtrDrvDiag_FetFlt2Clk_OP_SET	1	Rte_Call_Sa_MtrDrvDiag_FetFlt2Clk_OP_SET	1	
GateDrvWaitTime	1	GateDrvWaitTime	1	-
Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32	1	Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32	1	-
Rte_Call_Sa_MtrDrvDiag_SystemTime_DtrmnElapsedTime_uS_u16	1	Rte_Call_Sa_MtrDrvDiag_SystemTime_DtrmnElapsedTime_uS_u16	1	~
Rte_Call_Sa_MtrDrvDiag_FetFlt1Data_OP_GET	1	Rte_Call_Sa_MtrDrvDiag_FetFlt1Data_OP_GET	1	~
Rte_Call_Sa_MtrDrvDiag_FetFlt2Clk_OP_SET	1	Rte_Call_Sa_MtrDrvDiag_FetFlt2Clk_OP_SET	1	•
GateDrvWaitTime	1	GateDrvWaitTime	1	~
Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32	1	Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32	1	~
Rte_Call_Sa_MtrDrvDiag_SystemTime_DtrmnElapsedTime_uS_u16	1	Rte_Call_Sa_MtrDrvDiag_SystemTime_DtrmnElapsedTime_uS_u16	1	~
Rte_Call_Sa_MtrDrvDiag_FetFlt2Clk_OP_SET	1	Rte_Call_Sa_MtrDrvDiag_FetFlt2Clk_OP_SET	1	~
GateDrvWaitTime	1	GateDrvWaitTime	1	~
Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32	1	Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32	1	~
Rte_Call_Sa_MtrDrvDiag_SystemTime_DtrmnElapsedTime_uS_u16	253	Rte_Call_Sa_MtrDrvDiag_SystemTime_DtrmnElapsedTime_uS_u16	253	~
Rte_Call_Sa_MtrDrvDiag_FetFlt1Data_OP_GET	1	Rte_Call_Sa_MtrDrvDiag_FetFlt1Data_OP_GET	1	✓
Rte_Call_Sa_MtrDrvDiag_FetFlt2Clk_OP_SET	1	Rte_Call_Sa_MtrDrvDiag_FetFlt2Clk_OP_SET	1	~
GateDrvWaitTime	1	GateDrvWaitTime	1	V
Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32	1	Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32	1	✓
Rte_Call_Sa_MtrDrvDiag_SystemTime_DtrmnElapsedTime_uS_u16	1	Rte_Call_Sa_MtrDrvDiag_SystemTime_DtrmnElapsedTime_uS_u16	1	· ·
Rte_Call_Sa_MtrDrvDiag_FetFlt2Clk_OP_SET GateDrvWaitTime	1	Rte_Call_Sa_MtrDrvDiag_FetFlt2Clk_OP_SET GateDrvWaitTime	1	~
	1		1	-
Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32 Rte_Call_Sa_MtrDrvDiag_SystemTime_DtrmnElapsedTime_uS_u16	1	Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32 Rte_Call_Sa_MtrDrvDiag_SystemTime_DtrmnElapsedTime_uS_u16	1	~
Rte_Call_Sa_MtrDrvDiag_FetFlt1Data_OP_GET	1	Rte_Call_Sa_MtrDrvDiag_FetFlt1Data_OP_GET	1	,
Rte_Call_Sa_MtrDrvDiag_FetFlt2Clk_OP_SET	1	Rte_Call_Sa_MtrDrvDiag_FetFlt2Clk_OP_SET	1	·
GateDrvWaitTime	1	GateDrvWaitTime	1	-
Rte Call Sa MtrDrvDiag SystemTime GetSystemTime uS u32	1	Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32	1	*
Rte Call Sa MtrDrvDiag SystemTime DtrmnElapsedTime uS u16	1	Rte Call Sa MtrDrvDiag SystemTime DtrmnElapsedTime uS u16	1	-
Rte_Call_Sa_MtrDrvDiag_FetFlt2Clk_OP_SET	1	Rte_Call_Sa_MtrDrvDiag_FetFlt2Clk_OP_SET	1	✓
GateDrvWaitTime	1	GateDrvWaitTime	1	~
Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32	1	Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32	1	•
Rte_Call_Sa_MtrDrvDiag_SystemTime_DtrmnElapsedTime_uS_u16	253	Rte_Call_Sa_MtrDrvDiag_SystemTime_DtrmnElapsedTime_uS_u16	253	~
Rte_Call_Sa_MtrDrvDiag_FetFlt1Data_OP_GET	1	Rte_Call_Sa_MtrDrvDiag_FetFlt1Data_OP_GET	1	~
Rte_Call_Sa_MtrDrvDiag_FetFlt2Clk_OP_SET	1	Rte_Call_Sa_MtrDrvDiag_FetFlt2Clk_OP_SET	1	•
GateDrvWaitTime	1	GateDrvWaitTime	1	✓
Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32	1	Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32	1	~
Rte_Call_Sa_MtrDrvDiag_SystemTime_DtrmnElapsedTime_uS_u16	1	Rte_Call_Sa_MtrDrvDiag_SystemTime_DtrmnElapsedTime_uS_u16	1	✓
Rte_Call_Sa_MtrDrvDiag_FetFlt2Clk_OP_SET	1	Rte_Call_Sa_MtrDrvDiag_FetFlt2Clk_OP_SET	1	~
GateDrvWaitTime	1	GateDrvWaitTime	1	✓
Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32	1	Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32	1	~
Rte_Call_Sa_MtrDrvDiag_SystemTime_DtrmnElapsedTime_uS_u16	1	Rte_Call_Sa_MtrDrvDiag_SystemTime_DtrmnElapsedTime_uS_u16	1	✓
Rte_Call_Sa_MtrDrvDiag_FetFlt1Data_OP_GET	1	Rte_Call_Sa_MtrDrvDiag_FetFlt1Data_OP_GET	1	*
				- 0
Rte_Call_Sa_MtrDrvDiag_FetFlt2Clk_OP_SET GateDrvWaitTime	1	Rte_Call_Sa_MtrDrvDiag_FetFlt2Clk_OP_SET GateDrvWaitTime	1	•

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Actual Function	Count	Expected Function	Count	Result
Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32	1	Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32	1	~
Rte_Call_Sa_MtrDrvDiag_SystemTime_DtrmnElapsedTime_uS_u16	1	Rte_Call_Sa_MtrDrvDiag_SystemTime_DtrmnElapsedTime_uS_u16	1	~
Rte_Call_Sa_MtrDrvDiag_FetFlt2Clk_OP_SET	1	Rte_Call_Sa_MtrDrvDiag_FetFlt2Clk_OP_SET	1	~
GateDrvWaitTime	1	GateDrvWaitTime	1	~
Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32	1	Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32	1	•
Rte_Call_Sa_MtrDrvDiag_SystemTime_DtrmnElapsedTime_uS_u16	253	Rte_Call_Sa_MtrDrvDiag_SystemTime_DtrmnElapsedTime_uS_u16	253	~
Rte_Call_Sa_MtrDrvDiag_FetFlt1Data_OP_GET	1	Rte_Call_Sa_MtrDrvDiag_FetFlt1Data_OP_GET	1	~
Rte_Call_Sa_MtrDrvDiag_FetFlt2Clk_OP_SET	1	Rte_Call_Sa_MtrDrvDiag_FetFlt2Clk_OP_SET	1	~
GateDrvWaitTime	1	GateDrvWaitTime	1	~
Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32	1	Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32	1	~
Rte_Call_Sa_MtrDrvDiag_SystemTime_DtrmnElapsedTime_uS_u16	1	Rte_Call_Sa_MtrDrvDiag_SystemTime_DtrmnElapsedTime_uS_u16	1	~
Rte_Call_Sa_MtrDrvDiag_FetFlt2Clk_OP_SET	1	Rte_Call_Sa_MtrDrvDiag_FetFlt2Clk_OP_SET	1	~
GateDrvWaitTime	1	GateDrvWaitTime	1	✓
Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32	1	Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32	1	~
Rte_Call_Sa_MtrDrvDiag_SystemTime_DtrmnElapsedTime_uS_u16	1	Rte_Call_Sa_MtrDrvDiag_SystemTime_DtrmnElapsedTime_uS_u16	1	~
Rte_Call_Sa_MtrDrvDiag_FetFlt1Data_OP_GET	1	Rte_Call_Sa_MtrDrvDiag_FetFlt1Data_OP_GET	1	~
Rte_Call_Sa_MtrDrvDiag_FetFlt2Clk_OP_SET	1	Rte_Call_Sa_MtrDrvDiag_FetFlt2Clk_OP_SET	1	~
GateDrvWaitTime	1	GateDrvWaitTime	1	~
Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32	1	Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32	1	~
Rte_Call_Sa_MtrDrvDiag_SystemTime_DtrmnElapsedTime_uS_u16	1	Rte_Call_Sa_MtrDrvDiag_SystemTime_DtrmnElapsedTime_uS_u16	1	~
Rte_Call_Sa_MtrDrvDiag_IoHwAbPortConfig_SetFetFlt2ToOutput	1	Rte_Call_Sa_MtrDrvDiag_IoHwAbPortConfig_SetFetFlt2ToOutput	1	~
Rte_Call_Sa_MtrDrvDiag_NxtrDiagMgr_SetNTCStatus	1	Rte_Call_Sa_MtrDrvDiag_NxtrDiagMgr_SetNTCStatus	1	•

Test Step 2.10 (Repeat Count = 1)			~
Name	Input Value		
GenGateDriveFltAccPtr_Cnt_T_u16	target_GenGateDriveFltAccPtr_Cnt_T_u16	i	
OnStateFltAccPtr_Cnt_T_u16	target_OnStateFltAccPtr_Cnt_T_u16		
Rte_Call_Sa_MtrDrvDiag_NxtrDiagMgr_GetNTCFailed(NTCFailed_Ptr_T_lgc)	target_Rte_Call_Sa_MtrDrvDiag_NxtrDiagl	Mgr_GetNTCFailed_NTCFailed_Ptr_T_lgc	
Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32(CurrentTime)	target_Rte_Call_Sa_MtrDrvDiag_SystemT	ime_GetSystemTime_uS_u32_CurrentTime	
SVDiag_FETFaultPhase_Cnt_M_enum	1		
SVDiag_FETFaultType_Cnt_M_enum	2		
SVDiag_ResetWaitLoop_Cnt_M_lgc	0		
k_OnStateDiag_Cnt_str.Threshold	900		
k_OnStateDiag_Cnt_str.PStep	0		
target_GenGateDriveFltAccPtr_Cnt_T_u16	40		
target_OnStateFltAccPtr_Cnt_T_u16	66		
target_Rte_Call_Sa_MtrDrvDiag_NxtrDiagMgr_GetNTCFailed_NTCFailed_Ptr_T_lgr	1		
target_Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32_CurrentTir	50000		
Name	Actual Value	Expected Value	Result
Rte_Call_Sa_MtrDrvDiag_NxtrDiagMgr_SetNTCStatus(NTC_Cnt_T_enum)	79	*none*	~
Rte_Call_Sa_MtrDrvDiag_NxtrDiagMgr_SetNTCStatus(Param_Cnt_T_u08)	1	*none*	✓
Rte_Call_Sa_MtrDrvDiag_NxtrDiagMgr_SetNTCStatus(Status_Cnt_T_enum)	1	*none*	•
SVDiag_FETFaultPhase_Cnt_M_enum	1	1	•
SVDiag_FETFaultType_Cnt_M_enum	2	2	✓
SVDiag_ResetWaitLoop_Cnt_M_lgc	0	0	•
target_GenGateDriveFltAccPtr_Cnt_T_u16	40	40	~
target OnStateFltAccPtr Cnt T u16	66	66	V

Test Step Call Trace					
Actual Function	Count	Expected Function	Count	Result	
none	0	*** No Call Expected ***	0	~	





Test Step 2.11 (Repeat Count = 1)			✓
Name	Input Value		
GenGateDriveFltAccPtr_Cnt_T_u16	target_GenGateDriveFltAccPtr_Cnt_T_u16		
OnStateFltAccPtr_Cnt_T_u16	target_OnStateFltAccPtr_Cnt_T_u16		
Rte_Call_Sa_MtrDrvDiag_NxtrDiagMgr_GetNTCFailed(NTCFailed_Ptr_T_lgc)	target_Rte_Call_Sa_MtrDrvDiag_NxtrDiagMg	r_GetNTCFailed_NTCFailed_Ptr_T_lgc	
Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32(CurrentTime)	target_Rte_Call_Sa_MtrDrvDiag_SystemTime	e_GetSystemTime_uS_u32_CurrentTime	
SVDiag_FETFaultPhase_Cnt_M_enum	0		
SVDiag_FETFaultType_Cnt_M_enum	1		
SVDiag_ResetWaitLoop_Cnt_M_lgc	1		
k_OnStateDiag_Cnt_str.Threshold	44		
k_OnStateDiag_Cnt_str.PStep	65535		
target_GenGateDriveFltAccPtr_Cnt_T_u16	50		
target_OnStateFltAccPtr_Cnt_T_u16	200		
$target_Rte_Call_Sa_MtrDrvDiag_NxtrDiagMgr_GetNTCFailed_NTCFailed_Ptr_T_lgrams and target_Rte_Call_Sa_MtrDrvDiag_NxtrDiagMgr_GetNTCFailed_NTCFailed_Ptr_T_lgrams and target_Rte_Call_Sa_MtrDrvDiag_NxtrDiagMgr_GetNTCFailed_NTCFailed_Ptr_T_lgrams and target_Rte_Call_Sa_MtrDrvDiag_NxtrDiagMgr_GetNTCFailed_NTCFailed_Ptr_T_lgrams and target_Rte_Call_Sa_MtrDrvDiag_NxtrDiagMgr_GetNTCFailed_NTCFailed_Ptr_T_lgrams and target_Rte_Call_Sa_MtrDrvDiag_NxtrDiagMgr_GetNTCFailed_NTCFailed_Ptr_T_lgrams and target_Rte_Call_Sa_MtrDrvDiag_NxtrDiagMgr_GetNTCFailed_NTCFailed_NTCFailed_Ptr_T_lgrams and target_Rte_Call_Sa_MtrDrvDiag_NxtrDiagMgr_GetNTCFailed_NTCFailed_Ptr_T_lgrams and target_Rte_Call_Sa_MtrDrvDiag_NxtrDiagMgr_GetNTCFailed_NxtrDiagMgr_GetNTCFaile$	1		
$target_Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32_CurrentTire_uS_u32_CurrentTire_uS_u32_CurrentTire_uS_u32_CurrentTire_uS_u32_CurrentTire_uS_u32_CurrentTire_uS_u32_CurrentTire_uS_u32_CurrentTire_uS_u32_CurrentTire_uS_u33_Curren$	60000		
Name	Actual Value	Expected Value	Result
Rte_Call_Sa_MtrDrvDiag_NxtrDiagMgr_SetNTCStatus(NTC_Cnt_T_enum)	79	79	~

target_rite_cail_sa_ivitiblyblag_systemrime_detsystemrime_ds_dsz_cdirentrii	00000		
Name	Actual Value	Expected Value	Result
Rte_Call_Sa_MtrDrvDiag_NxtrDiagMgr_SetNTCStatus(NTC_Cnt_T_enum)	79	79	~
Rte_Call_Sa_MtrDrvDiag_NxtrDiagMgr_SetNTCStatus(Param_Cnt_T_u08)	1	1	~
Rte_Call_Sa_MtrDrvDiag_NxtrDiagMgr_SetNTCStatus(Status_Cnt_T_enum)	1	1	~
SVDiag_FETFaultPhase_Cnt_M_enum	0	0	~
SVDiag_FETFaultType_Cnt_M_enum	1	1	~
SVDiag_ResetWaitLoop_Cnt_M_lgc	1	1	~
target_GenGateDriveFltAccPtr_Cnt_T_u16	50	50	~
target_OnStateFltAccPtr_Cnt_T_u16	44	44	~

Test Step Call Trace				
Actual Function	Count	Expected Function	Count	Result
Rte_Call_Sa_MtrDrvDiag_NxtrDiagMgr_GetNTCFailed	1	Rte_Call_Sa_MtrDrvDiag_NxtrDiagMgr_GetNTCFailed	1	~
Rte_Call_Sa_MtrDrvDiag_NxtrDiagMgr_SetNTCStatus	1	Rte_Call_Sa_MtrDrvDiag_NxtrDiagMgr_SetNTCStatus	1	~

Test Step 2.12 (Repeat Count = 1)			✓
Name	Input Value		
GenGateDriveFltAccPtr_Cnt_T_u16	target_GenGateDriveFltAccPtr_Cnt_T_u16		
OnStateFltAccPtr_Cnt_T_u16	target_OnStateFltAccPtr_Cnt_T_u16		
Rte_Call_Sa_MtrDrvDiag_NxtrDiagMgr_GetNTCFailed(NTCFailed_Ptr_T_lgc)	target_Rte_Call_Sa_MtrDrvDiag_NxtrDiagM	gr_GetNTCFailed_NTCFailed_Ptr_T_lgc	
Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32(CurrentTime)	target_Rte_Call_Sa_MtrDrvDiag_SystemTin	ne_GetSystemTime_uS_u32_CurrentTime	
SVDiag_FETFaultPhase_Cnt_M_enum	2		
SVDiag_FETFaultType_Cnt_M_enum	0		
SVDiag_ResetWaitLoop_Cnt_M_lgc	1		
k_OnStateDiag_Cnt_str.Threshold	2345		
k_OnStateDiag_Cnt_str.PStep	555		
target_GenGateDriveFltAccPtr_Cnt_T_u16	60		
target_OnStateFltAccPtr_Cnt_T_u16	546		
$target_Rte_Call_Sa_MtrDrvDiag_NxtrDiagMgr_GetNTCFailed_NTCFailed_Ptr_T_I$	g ₁ 0		
$target_Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32_CurrentTime_uS_u32_CurrentTime_uS_u32_CurrentTime_uS_u32_CurrentTime_uS_u32_CurrentTime_uS_u32_CurrentTime_uS_u332_Current$	ir 83000		
Name	Actual Value	Expected Value	Result
Rte_Call_Sa_MtrDrvDiag_NxtrDiagMgr_SetNTCStatus(NTC_Cnt_T_enum)	79	*none*	~
Rte_Call_Sa_MtrDrvDiag_NxtrDiagMgr_SetNTCStatus(Param_Cnt_T_u08)	1	*none*	~
Rte_Call_Sa_MtrDrvDiag_NxtrDiagMgr_SetNTCStatus(Status_Cnt_T_enum)	1	*none*	~
SVDiag_FETFaultPhase_Cnt_M_enum	2	2	~
SVDiag_FETFaultType_Cnt_M_enum	0	0	~

Test Step Call Trace					
Actual Function	Count	Expected Function	Count	Result	
none	0	*** No Call Expected ***	0	•	

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Test Step 2.13 (Repeat Count = 1)		
Name	Input Value	
GenGateDriveFltAccPtr_Cnt_T_u16	target_GenGateDriveFltAccPtr_Cnt_T_u16	
OnStateFltAccPtr_Cnt_T_u16	target_OnStateFltAccPtr_Cnt_T_u16	
Rte_Call_Sa_MtrDrvDiag_NxtrDiagMgr_GetNTCFailed(NTCFailed_Ptr_T_lgc)	target_Rte_Call_Sa_MtrDrvDiag_NxtrDiagMgr_GetNTCFailed_NTCFailed_Ptr_T_lgc	
Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32(CurrentTime)	target_Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32_CurrentTime	
SVDiag_FETFaultPhase_Cnt_M_enum	2	

SVDiag_ResetWaitLoop_Cnt_M_lgc target_GenGateDriveFltAccPtr_Cnt_T_u16

target_OnStateFltAccPtr_Cnt_T_u16

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SVDiag_FETFaultType_Cnt_M_enum SVDiag_ResetWaitLoop_Cnt_M_lgc target_GenGateDriveFltAccPtr_Cnt_T_u16

target_OnStateFltAccPtr_Cnt_T_u16

Name	Input Value		
SVDiag_FETFaultType_Cnt_M_enum	0		
SVDiag_ResetWaitLoop_Cnt_M_lgc	1		
k_OnStateDiag_Cnt_str.Threshold	20		
k_OnStateDiag_Cnt_str.PStep	555		
target_GenGateDriveFltAccPtr_Cnt_T_u16	100		
target_OnStateFltAccPtr_Cnt_T_u16	546		
target Rte Call Sa MtrDrvDiag NxtrDiagMgr GetNTCFailed NTCFailed Ptr T	lgi 0		
target_Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32_Curren	tTir 83000		
Name	Actual Value	Expected Value	Result
Rte_Call_Sa_MtrDrvDiag_NxtrDiagMgr_SetNTCStatus(NTC_Cnt_T_enum)	77	77	~
Rte_Call_Sa_MtrDrvDiag_NxtrDiagMgr_SetNTCStatus(Param_Cnt_T_u08)	2	2	~
Rte_Call_Sa_MtrDrvDiag_NxtrDiagMgr_SetNTCStatus(Status_Cnt_T_enum)	1	1	~
SVDiag FETFaultPhase Cnt M enum	0	0	✓

1

0

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1

100

0

ProcBridgeFlt

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Actual Function		Expected Function		Result
Rte_Call_Sa_MtrDrvDiag_NxtrDiagMgr_GetNTCFailed	1	Rte_Call_Sa_MtrDrvDiag_NxtrDiagMgr_GetNTCFailed	1	~
ReadMtrDrvFltData	1	ReadMtrDrvFltData	1	V
Rte_Call_Sa_MtrDrvDiag_loHwAbPortConfig_SetFetFlt2ToOutput Rte_Call_Sa_MtrDrvDiag_FetFlt2Clk_OP_SET	1	Rte_Call_Sa_MtrDrvDiag_loHwAbPortConfig_SetFetFlt2ToOutput Rte_Call_Sa_MtrDrvDiag_FetFlt2Clk_OP_SET	1	✓
GateDryWaitTime	1	GateDryWaitTime	1	J
Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32	1	Rte Call Sa MtrDrvDiag SystemTime GetSystemTime uS u32	1	~
Rte_Call_Sa_MtrDrvDiag_SystemTime_DtrmnElapsedTime_uS_u16	1	Rte_Call_Sa_MtrDrvDiag_SystemTime_DtrmnElapsedTime_uS_u16	1	-
Rte_Call_Sa_MtrDrvDiag_FetFlt1Data_OP_GET	1	Rte_Call_Sa_MtrDrvDiag_FetFlt1Data_OP_GET	1	~
Rte_Call_Sa_MtrDrvDiag_FetFlt2Clk_OP_SET	1	Rte_Call_Sa_MtrDrvDiag_FetFlt2Clk_OP_SET	1	~
GateDrvWaitTime	1	GateDrvWaitTime	1	~
Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32	1	Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32	1	~
Rte_Call_Sa_MtrDrvDiag_SystemTime_DtrmnElapsedTime_uS_u16	1	Rte_Call_Sa_MtrDrvDiag_SystemTime_DtrmnElapsedTime_uS_u16	1	~
Rte_Call_Sa_MtrDrvDiag_FetFlt2Clk_OP_SET	1	Rte_Call_Sa_MtrDrvDiag_FetFlt2Clk_OP_SET	1	~
GateDrvWaitTime	1	GateDrvWaitTime	1	~
Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32	1	Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32	1	
Rte_Call_Sa_MtrDrvDiag_SystemTime_DtrmnElapsedTime_uS_u16	1	Rte_Call_Sa_MtrDrvDiag_SystemTime_DtrmnElapsedTime_uS_u16	1	V
Rte_Call_Sa_MtrDrvDiag_FetFlt1Data_OP_GET	1	Rte_Call_Sa_MtrDrvDiag_FetFlt1Data_OP_GET	1	V
Rte_Call_Sa_MtrDrvDiag_FetFlt2Clk_OP_SET GateDrvWaitTime	1	Rte_Call_Sa_MtrDrvDiag_FetFlt2Clk_OP_SET GateDrvWaitTime	1	Ž
Rte Call Sa MtrDrvDiag SystemTime GetSystemTime uS u32	1	Rte Call Sa MtrDrvDiag SystemTime GetSystemTime uS u32	1	~
Rte_Call_Sa_MtrDrvDiag_SystemTime_DtrmnElapsedTime_uS_u16	1	Rte_Call_Sa_MtrDrvDiag_SystemTime_DtrmnElapsedTime_uS_u16	1	,
Rte Call Sa MtrDrvDiag FetFlt2Clk OP SET	1	Rte_Call_Sa_MtrDrvDiag_FetFlt2Clk_OP_SET	1	•
GateDrvWaitTime	1	GateDrvWaitTime	1	-
Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32	1	Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32	1	V
Rte_Call_Sa_MtrDrvDiag_SystemTime_DtrmnElapsedTime_uS_u16	253	Rte_Call_Sa_MtrDrvDiag_SystemTime_DtrmnElapsedTime_uS_u16	253	~
Rte_Call_Sa_MtrDrvDiag_FetFlt1Data_OP_GET	1	Rte_Call_Sa_MtrDrvDiag_FetFlt1Data_OP_GET	1	~
Rte_Call_Sa_MtrDrvDiag_FetFlt2Clk_OP_SET	1	Rte_Call_Sa_MtrDrvDiag_FetFlt2Clk_OP_SET	1	~
GateDrvWaitTime	1	GateDrvWaitTime	1	~
Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32	1	Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32	1	~
Rte_Call_Sa_MtrDrvDiag_SystemTime_DtrmnElapsedTime_uS_u16	1	Rte_Call_Sa_MtrDrvDiag_SystemTime_DtrmnElapsedTime_uS_u16	1	~
Rte_Call_Sa_MtrDrvDiag_FetFlt2Clk_OP_SET	1	Rte_Call_Sa_MtrDrvDiag_FetFlt2Clk_OP_SET	1	
GateDrvWaitTime	1	GateDrvWaitTime	1	V
Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32	1	Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32	1	V
Rte_Call_Sa_MtrDrvDiag_SystemTime_DtrmnElapsedTime_uS_u16 Rte_Call_Sa_MtrDrvDiag_FetFlt1Data_OP_GET	1	Rte_Call_Sa_MtrDrvDiag_SystemTime_DtrmnElapsedTime_uS_u16 Rte_Call_Sa_MtrDrvDiag_FetFlt1Data_OP_GET	1	
Rte_Call_Sa_MtrDrvDiag_FetFlt2Clk_OP_SET	1	Rte_Call_Sa_MtrDrvDiag_FetFlt2Clk_OP_SET	1	-
GateDrvWaitTime	1	GateDrvWaitTime	1	
Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32	1	Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32	1	•
Rte_Call_Sa_MtrDrvDiag_SystemTime_DtrmnElapsedTime_uS_u16	1	Rte_Call_Sa_MtrDrvDiag_SystemTime_DtrmnElapsedTime_uS_u16	1	-
Rte_Call_Sa_MtrDrvDiag_FetFlt2Clk_OP_SET	1	Rte_Call_Sa_MtrDrvDiag_FetFlt2Clk_OP_SET	1	~
GateDrvWaitTime	1	GateDrvWaitTime	1	~
Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32	1	Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32	1	~
Rte_Call_Sa_MtrDrvDiag_SystemTime_DtrmnElapsedTime_uS_u16	253	Rte_Call_Sa_MtrDrvDiag_SystemTime_DtrmnElapsedTime_uS_u16	253	~
Rte_Call_Sa_MtrDrvDiag_FetFlt1Data_OP_GET	1	Rte_Call_Sa_MtrDrvDiag_FetFlt1Data_OP_GET	1	~
Rte_Call_Sa_MtrDrvDiag_FetFlt2Clk_OP_SET	1	Rte_Call_Sa_MtrDrvDiag_FetFlt2Clk_OP_SET	1	~
GateDrvWaitTime	1	GateDrvWaitTime	1	~
Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32	1	Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32	1	
Rte_Call_Sa_MtrDrvDiag_SystemTime_DtrmnElapsedTime_uS_u16 Rte_Call_Sa_MtrDrvDiag_FetFlt2Clk_OP_SET	1	Rte_Call_Sa_MtrDrvDiag_SystemTime_DtrmnElapsedTime_uS_u16 Rte_Call_Sa_MtrDrvDiag_FetFlt2Clk_OP_SET	1	V
Rte_Call_Sa_MtrDrvDlag_FetFit2Clk_OP_SE1 GateDrvWaitTime	1	GateDrvWaitTime	1	· ·
Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32	1	Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32	1	
Rte Call Sa MtrDrvDiag SystemTime_GetsystemTime_u3_u32	1	Rte Call Sa MtrDrvDiag SystemTime DtrmnElapsedTime uS u16	1	*
Rte Call Sa MtrDrvDiag FetFlt1Data OP GET	1	Rte_Call_Sa_MtrDrvDiag_FetFlt1Data_OP_GET	1	
Rte_Call_Sa_MtrDrvDiag_FetFlt2Clk_OP_SET	1	Rte Call Sa MtrDrvDiag FetFlt2Clk OP SET	1	~
GateDrvWaitTime	1	GateDrvWaitTime	1	-
Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32	1	Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32	1	~
Rte_Call_Sa_MtrDrvDiag_SystemTime_DtrmnElapsedTime_uS_u16	1	Rte_Call_Sa_MtrDrvDiag_SystemTime_DtrmnElapsedTime_uS_u16	1	•
Rte_Call_Sa_MtrDrvDiag_FetFlt2Clk_OP_SET	1	Rte_Call_Sa_MtrDrvDiag_FetFlt2Clk_OP_SET	1	•
GateDrvWaitTime	1	GateDrvWaitTime	1	~
Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32	1	Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32	1	~
Rte_Call_Sa_MtrDrvDiag_SystemTime_DtrmnElapsedTime_uS_u16	253	Rte_Call_Sa_MtrDrvDiag_SystemTime_DtrmnElapsedTime_uS_u16	253	~
Rte_Call_Sa_MtrDrvDiag_FetFlt1Data_OP_GET	1	Rte_Call_Sa_MtrDrvDiag_FetFlt1Data_OP_GET	1	~
Rte_Call_Sa_MtrDrvDiag_FetFlt2Clk_OP_SET	1	Rte_Call_Sa_MtrDrvDiag_FetFlt2Clk_OP_SET	1	
GateDrvWaitTime	1	GateDrvWaitTime	1	V
Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32	1	Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32	1	· ·
Rte_Call_Sa_MtrDrvDiag_SystemTime_DtrmnElapsedTime_uS_u16	1	Rte_Call_Sa_MtrDrvDiag_SystemTime_DtrmnElapsedTime_uS_u16	1	V
Rte_Call_Sa_MtrDrvDiag_FetFlt2Clk_OP_SET	1	Rte_Call_Sa_MtrDrvDiag_FetFlt2Clk_OP_SET	1	V
GateDrvWaitTime	1	GateDrvWaitTime Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32	1	~
Rte Call Sa MtrDryDiag SystemTime CetSystemTime us use	1.1	mic_cai_ca_iviii bi v biag_cysteii i iiiie_cetcysteii i iiiie_uc_ucz	1	
Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32 Rte_Call_Sa_MtrDrvDiag_SystemTime_DtrmnElapsedTime_uS_u16		Rte Call Sa MtrDryDiag SystemTime DtrmnFlansedTime uS u16	1	_
Rte_Call_Sa_MtrDrvDiag_SystemTime_DtrmnElapsedTime_uS_u16	1	Rte_Call_Sa_MtrDrvDiag_SystemTime_DtrmnElapsedTime_uS_u16 Rte_Call_Sa_MtrDrvDiag_FetFlt1Data_OP_GET	1	~
	1	Rte_Call_Sa_MtrDrvDiag_SystemTime_DtrmnElapsedTime_uS_u16 Rte_Call_Sa_MtrDrvDiag_FetFlt1Data_OP_GET Rte_Call_Sa_MtrDrvDiag_FetFlt2Clk_OP_SET		

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Actual Function	Count	Expected Function	Count	Result
Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32	1	Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32	1	~
Rte_Call_Sa_MtrDrvDiag_SystemTime_DtrmnElapsedTime_uS_u16	1	Rte_Call_Sa_MtrDrvDiag_SystemTime_DtrmnElapsedTime_uS_u16	1	~
Rte_Call_Sa_MtrDrvDiag_FetFlt2Clk_OP_SET	1	Rte_Call_Sa_MtrDrvDiag_FetFlt2Clk_OP_SET	1	•
GateDrvWaitTime	1	GateDrvWaitTime	1	~
Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32	1	Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32	1	~
Rte_Call_Sa_MtrDrvDiag_SystemTime_DtrmnElapsedTime_uS_u16	253	Rte_Call_Sa_MtrDrvDiag_SystemTime_DtrmnElapsedTime_uS_u16	253	~
Rte_Call_Sa_MtrDrvDiag_FetFlt1Data_OP_GET	1	Rte_Call_Sa_MtrDrvDiag_FetFlt1Data_OP_GET	1	✓
Rte_Call_Sa_MtrDrvDiag_FetFlt2Clk_OP_SET	1	Rte_Call_Sa_MtrDrvDiag_FetFlt2Clk_OP_SET	1	~
GateDrvWaitTime	1	GateDrvWaitTime	1	~
Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32	1	Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32	1	~
Rte_Call_Sa_MtrDrvDiag_SystemTime_DtrmnElapsedTime_uS_u16	1	Rte_Call_Sa_MtrDrvDiag_SystemTime_DtrmnElapsedTime_uS_u16	1	~
Rte_Call_Sa_MtrDrvDiag_FetFlt2Clk_OP_SET	1	Rte_Call_Sa_MtrDrvDiag_FetFlt2Clk_OP_SET	1	~
GateDrvWaitTime	1	GateDrvWaitTime	1	~
Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32	1	Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32	1	~
Rte_Call_Sa_MtrDrvDiag_SystemTime_DtrmnElapsedTime_uS_u16	1	Rte_Call_Sa_MtrDrvDiag_SystemTime_DtrmnElapsedTime_uS_u16	1	~
Rte_Call_Sa_MtrDrvDiag_FetFlt1Data_OP_GET	1	Rte_Call_Sa_MtrDrvDiag_FetFlt1Data_OP_GET	1	~
Rte_Call_Sa_MtrDrvDiag_FetFlt2Clk_OP_SET	1	Rte_Call_Sa_MtrDrvDiag_FetFlt2Clk_OP_SET	1	~
GateDrvWaitTime	1	GateDrvWaitTime	1	~
Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32	1	Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32	1	~
Rte_Call_Sa_MtrDrvDiag_SystemTime_DtrmnElapsedTime_uS_u16	1	Rte_Call_Sa_MtrDrvDiag_SystemTime_DtrmnElapsedTime_uS_u16	1	~
Rte_Call_Sa_MtrDrvDiag_IoHwAbPortConfig_SetFetFlt2ToOutput	1	Rte_Call_Sa_MtrDrvDiag_IoHwAbPortConfig_SetFetFlt2ToOutput	1	~
Rte_Call_Sa_MtrDrvDiag_NxtrDiagMgr_SetNTCStatus	1	Rte_Call_Sa_MtrDrvDiag_NxtrDiagMgr_SetNTCStatus	1	~

Test Step 2.14 (Repeat Count = 1)			✓
Name	Input Value		
GenGateDriveFltAccPtr_Cnt_T_u16	target_GenGateDriveFltAccPtr_Cnt_T_u16		
OnStateFltAccPtr_Cnt_T_u16	target_OnStateFltAccPtr_Cnt_T_u16		
Rte_Call_Sa_MtrDrvDiag_NxtrDiagMgr_GetNTCFailed(NTCFailed_Ptr_T_lgc)	target_Rte_Call_Sa_MtrDrvDiag_NxtrDiagl	Mgr_GetNTCFailed_NTCFailed_Ptr_T_lgc	
Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32(CurrentTime)	target_Rte_Call_Sa_MtrDrvDiag_SystemTi	me_GetSystemTime_uS_u32_CurrentTime	
SVDiag_FETFaultPhase_Cnt_M_enum	3		
SVDiag_FETFaultType_Cnt_M_enum	1		
SVDiag_ResetWaitLoop_Cnt_M_lgc	0		
k_OnStateDiag_Cnt_str.Threshold	500		
k_OnStateDiag_Cnt_str.PStep	235		
target_GenGateDriveFltAccPtr_Cnt_T_u16	110		
target_OnStateFltAccPtr_Cnt_T_u16	892		
$target_Rte_Call_Sa_MtrDrvDiag_NxtrDiagMgr_GetNTCFailed_NTCFailed_Ptr_T_lgrams and the property of the proper$	1		
$target_Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32_CurrentTire_uS_u32_CurrentTire_uS_u32_CurrentTire_uS_u32_CurrentTire_uS_u32_CurrentTire_uS_u32_CurrentTire_uS_u332_Current$	104350		
Name	Actual Value	Expected Value	Result
Rte_Call_Sa_MtrDrvDiag_NxtrDiagMgr_SetNTCStatus(NTC_Cnt_T_enum)	79	79	-
Rte_Call_Sa_MtrDrvDiag_NxtrDiagMgr_SetNTCStatus(Param_Cnt_T_u08)	1	1	•
Rte_Call_Sa_MtrDrvDiag_NxtrDiagMgr_SetNTCStatus(Status_Cnt_T_enum)	1	1	-
SVDiag_FETFaultPhase_Cnt_M_enum	3	3	•
SVDiag_FETFaultType_Cnt_M_enum	1	1	-
SVDiag_ResetWaitLoop_Cnt_M_lgc	0	0	-
target_GenGateDriveFltAccPtr_Cnt_T_u16	110	110	•
target OnStateFitAccPtr Cnt T u16	500	500	-4

Test Step Call Trace					
Actual Function	Count	Expected Function	Count	Result	
Rte_Call_Sa_MtrDrvDiag_NxtrDiagMgr_GetNTCFailed	1	Rte_Call_Sa_MtrDrvDiag_NxtrDiagMgr_GetNTCFailed	1	~	
Rte_Call_Sa_MtrDrvDiag_NxtrDiagMgr_SetNTCStatus	1	Rte_Call_Sa_MtrDrvDiag_NxtrDiagMgr_SetNTCStatus	1	✓	

Test Step 2.15 (Repeat Count = 1)	🗸
Name	Input Value
GenGateDriveFltAccPtr_Cnt_T_u16	target_GenGateDriveFltAccPtr_Cnt_T_u16
OnStateFitAccPtr_Cnt_T_u16	target_OnStateFltAccPtr_Cnt_T_u16
Rte_Call_Sa_MtrDrvDiag_NxtrDiagMgr_GetNTCFailed(NTCFailed_Ptr_T_lgc)	target_Rte_Call_Sa_MtrDrvDiag_NxtrDiagMgr_GetNTCFailed_NTCFailed_Ptr_T_lgc
Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32(CurrentTime)	target_Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32_CurrentTime
SVDiag_FETFaultPhase_Cnt_M_enum	0
SVDiag_FETFaultType_Cnt_M_enum	0
SVDiag_ResetWaitLoop_Cnt_M_lgc	0
k_OnStateDiag_Cnt_str.Threshold	0
k_OnStateDiag_Cnt_str.PStep	0
target_GenGateDriveFltAccPtr_Cnt_T_u16	0
target_OnStateFltAccPtr_Cnt_T_u16	0
target Rte Call Sa MtrDrvDiag NxtrDiagMgr GetNTCFailed NTCFailed Ptr T lg	0

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Name	Input Value		
target_Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32_CurrentTime_us_us_us_currentTime_us_us_us_currentTime_us_us_us_currentTime_us_us_us_currentTime_us_us_us_currentTime_us_us_us_currentTime_us_us_us_currentTime_us_us_currentTime_us_us_currentTime_us_us_currentTime_u	0		
Name	Actual Value	Expected Value	Result
Rte_Call_Sa_MtrDrvDiag_NxtrDiagMgr_SetNTCStatus(NTC_Cnt_T_enum)	79	*none*	~
Rte_Call_Sa_MtrDrvDiag_NxtrDiagMgr_SetNTCStatus(Param_Cnt_T_u08)	1	*none*	•
Rte_Call_Sa_MtrDrvDiag_NxtrDiagMgr_SetNTCStatus(Status_Cnt_T_enum)	1	*none*	~
SVDiag_FETFaultPhase_Cnt_M_enum	0	0	•
SVDiag_FETFaultType_Cnt_M_enum	0	0	~
SVDiag_ResetWaitLoop_Cnt_M_lgc	0	0	•
target_GenGateDriveFltAccPtr_Cnt_T_u16	1	1	~
target_OnStateFltAccPtr_Cnt_T_u16	0	0	✓

ProcBridgeFlt

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Actual Function	Count	•		Result
Rte_Call_Sa_MtrDrvDiag_NxtrDiagMgr_GetNTCFailed	1	Rte_Call_Sa_MtrDrvDiag_NxtrDiagMgr_GetNTCFailed	1	~
ReadMtrDrvFltData	1	ReadMtrDrvFltData	1	•
Rte_Call_Sa_MtrDrvDiag_IoHwAbPortConfig_SetFetFlt2ToOutput	1	Rte_Call_Sa_MtrDrvDiag_loHwAbPortConfig_SetFetFlt2ToOutput	1	•
Rte_Call_Sa_MtrDrvDiag_FetFlt2Clk_OP_SET	1	Rte_Call_Sa_MtrDrvDiag_FetFlt2Clk_OP_SET	1	Ĭ
GateDrvWaitTime	1	GateDrvWaitTime	1	
Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32	2	Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32	2	Ĭ
Rte_Call_Sa_MtrDrvDiag_SystemTime_DtrmnElapsedTime_uS_u16 Rte_Call_Sa_MtrDrvDiag_FetFlt1Data_OP_GET	1	Rte_Call_Sa_MtrDrvDiag_SystemTime_DtrmnElapsedTime_uS_u16 Rte_Call_Sa_MtrDrvDiag_FetFlt1Data_OP_GET	1	
Rte_Call_Sa_MtrDrvDiag_FetFlt2Clk_OP_SET	1	Rte_Call_Sa_MtrDrvDiag_FetFlt2Clk_OP_SET	1	
GateDrvWaitTime	1	GateDryWaitTime	1	
Rte Call Sa MtrDrvDiag SystemTime GetSystemTime uS u32	1	Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32	1	
Rte Call Sa MtrDrvDiag SystemTime DtrmnElapsedTime uS u16	1	Rte_Call_Sa_MtrDrvDiag_SystemTime_DtrmnElapsedTime_uS_u16	1	•
Rte_Call_Sa_MtrDrvDiag_FetFlt2Clk_OP_SET	1	Rte_Call_Sa_MtrDrvDiag_FetFlt2Clk_OP_SET	1	
GateDrvWaitTime	1	GateDrvWaitTime	1	
Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32	1	Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32	1	
Rte_Call_Sa_MtrDrvDiag_SystemTime_DtrmnElapsedTime_uS_u16	255	Rte_Call_Sa_MtrDrvDiag_SystemTime_DtrmnElapsedTime_uS_u16	255	•
Rte_Call_Sa_MtrDrvDiag_FetFlt1Data_OP_GET	1	Rte_Call_Sa_MtrDrvDiag_FetFlt1Data_OP_GET	1	
Rte_Call_Sa_MtrDrvDiag_FetFlt2Clk_OP_SET	1	Rte_Call_Sa_MtrDrvDiag_FetFlt2Clk_OP_SET	1	-
GateDrvWaitTime	1	GateDrvWaitTime	1	-
Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32	1	Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32	1	•
Rte_Call_Sa_MtrDrvDiag_SystemTime_DtrmnElapsedTime_uS_u16	1	Rte_Call_Sa_MtrDrvDiag_SystemTime_DtrmnElapsedTime_uS_u16	1	•
Rte_Call_Sa_MtrDrvDiag_FetFlt2Clk_OP_SET	1	Rte_Call_Sa_MtrDrvDiag_FetFlt2Clk_OP_SET	1	•
GateDrvWaitTime	1	GateDrvWaitTime	1	•
Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32	1	Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32	1	•
Rte_Call_Sa_MtrDrvDiag_SystemTime_DtrmnElapsedTime_uS_u16	255	Rte_Call_Sa_MtrDrvDiag_SystemTime_DtrmnElapsedTime_uS_u16	255	•
Rte_Call_Sa_MtrDrvDiag_FetFlt1Data_OP_GET	1	Rte_Call_Sa_MtrDrvDiag_FetFlt1Data_OP_GET	1	•
Rte_Call_Sa_MtrDrvDiag_FetFlt2Clk_OP_SET	1	Rte_Call_Sa_MtrDrvDiag_FetFlt2Clk_OP_SET	1	-
GateDrvWaitTime	1	GateDrvWaitTime	1	•
Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32	1	Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32	1	-
Rte_Call_Sa_MtrDrvDiag_SystemTime_DtrmnElapsedTime_uS_u16	1	Rte_Call_Sa_MtrDrvDiag_SystemTime_DtrmnElapsedTime_uS_u16	1	•
Rte_Call_Sa_MtrDrvDiag_FetFlt2Clk_OP_SET	1	Rte_Call_Sa_MtrDrvDiag_FetFlt2Clk_OP_SET	1	-
GateDrvWaitTime	1	GateDrvWaitTime	1	•
Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32	1	Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32	1	-
Rte_Call_Sa_MtrDrvDiag_SystemTime_DtrmnElapsedTime_uS_u16	255	Rte_Call_Sa_MtrDrvDiag_SystemTime_DtrmnElapsedTime_uS_u16	255	•
Rte_Call_Sa_MtrDrvDiag_FetFlt1Data_OP_GET	1	Rte_Call_Sa_MtrDrvDiag_FetFlt1Data_OP_GET	1	-
Rte_Call_Sa_MtrDrvDiag_FetFlt2Clk_OP_SET	1	Rte_Call_Sa_MtrDrvDiag_FetFlt2Clk_OP_SET	1	•
GateDrvWaitTime	1	GateDrvWaitTime	1	~
Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32	1	Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32	1	•
Rte_Call_Sa_MtrDrvDiag_SystemTime_DtrmnElapsedTime_uS_u16	1	Rte_Call_Sa_MtrDrvDiag_SystemTime_DtrmnElapsedTime_uS_u16	1	~
Rte_Call_Sa_MtrDrvDiag_FetFlt2Clk_OP_SET	1	Rte_Call_Sa_MtrDrvDiag_FetFlt2Clk_OP_SET	1	•
GateDrvWaitTime	1	GateDrvWaitTime	1	~
Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32	1	Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32	1	~
Rte_Call_Sa_MtrDrvDiag_SystemTime_DtrmnElapsedTime_uS_u16	255	Rte_Call_Sa_MtrDrvDiag_SystemTime_DtrmnElapsedTime_uS_u16	255	•
Rte_Call_Sa_MtrDrvDiag_FetFlt1Data_OP_GET	1	Rte_Call_Sa_MtrDrvDiag_FetFlt1Data_OP_GET	1	•
Rte_Call_Sa_MtrDrvDiag_FetFlt2Clk_OP_SET	1	Rte_Call_Sa_MtrDrvDiag_FetFlt2Clk_OP_SET	1	~
GateDrvWaitTime	1	GateDrvWaitTime	1	•
Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32	1	Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32	1	•
Rte_Call_Sa_MtrDrvDiag_SystemTime_DtrmnElapsedTime_uS_u16	1	Rte_Call_Sa_MtrDrvDiag_SystemTime_DtrmnElapsedTime_uS_u16	1	•
Rte_Call_Sa_MtrDrvDiag_FetFlt2Clk_OP_SET	1	Rte_Call_Sa_MtrDrvDiag_FetFlt2Clk_OP_SET	1	•
GateDrvWaitTime	1	GateDrvWaitTime	1	•
Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32	1 255	Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32	1 255	•
Rte_Call_Sa_MtrDrvDiag_SystemTime_DtrmnElapsedTime_uS_u16 Rte Call Sa MtrDrvDiag FetFlt1Data OP GET	255	Rte_Call_Sa_MtrDrvDiag_SystemTime_DtrmnElapsedTime_uS_u16	1	
Rte_Call_Sa_MtrDrvDiag_FetFitData_OP_GET Rte_Call_Sa_MtrDrvDiag_FetFit2Clk_OP_SET	1	Rte_Call_Sa_MtrDrvDiag_FetFlt1Data_OP_GET Rte_Call_Sa_MtrDrvDiag_FetFlt2Clk_OP_SET	1	
	1		1	
GateDrvWaitTime Pto Call Sa MtrDrvDiag SystemTime GetSystemTime uS u22	1	GateDrvWaitTime Pto Call Sa MtrDrvDiag SystemTime CotSystemTime us us 22	1	
Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32 Rte Call Sa MtrDrvDiag SystemTime DtrmnElapsedTime uS u16	1	Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32 Rte_Call_Sa_MtrDrvDiag_SystemTime_DtrmnElapsedTime_uS_u16	1	Ĭ
Rte_Call_Sa_MtrDrvDiag_SystemTime_btrmnElapsedTime_uS_u16 Rte_Call_Sa_MtrDrvDiag_FetFlt2Clk_OP_SET	1	Rte_Call_Sa_MtrDrvDiag_SystemTime_DtrmnElapsedTime_uS_uTo Rte_Call_Sa_MtrDrvDiag_FetFlt2Clk_OP_SET	1	
Rte_Call_Sa_MtrDrvDlag_FetFit2Clk_OP_SE I GateDrvWaitTime	1	GateDrvWaitTime	1	Ĭ
Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32	1	Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32	1	
Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_us2 Rte_Call_Sa_MtrDrvDiag_SystemTime_DtrmnElapsedTime_uS_u16	255	Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32 Rte_Call_Sa_MtrDrvDiag_SystemTime_DtrmnElapsedTime_uS_u16	255	Ĭ
Rte_Call_Sa_MtrDrvDiag_System**Inne_BtrmilLiapsed**Inne_ds_d10	1	Rte_Call_Sa_MtrDrvDiag_FetFlt1Data_OP_GET	1	
Rte_Call_Sa_MtrDrvDiag_FetFlt2Clk_OP_SET	1	Rte_Call_Sa_MtrDrvDiag_FetFlt2Clk_OP_SET	1	
GateDrvWaitTime	1	GateDrvWaitTime	1	
Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32	1	Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32	1	
Rte_Call_Sa_MtrDrvDiag_SystemTime_DtrmnElapsedTime_uS_u16	1	Rte_Call_Sa_MtrDrvDiag_SystemTime_DtrmnElapsedTime_uS_u16	1	
Rte_Call_Sa_MtrDrvDiag_System#ine_Buffillclapsed#ine_us_uff0	1	Rte_Call_Sa_MtrDrvDiag_FetFlt2Clk_OP_SET	1	
GateDrvWaitTime	1	GateDrvWaitTime	1	
Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32	1	Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32	1	
Rte_Call_Sa_MtrDrvDiag_SystemTime_DtrmnElapsedTime_uS_u16	255	Rte_Call_Sa_MtrDrvDiag_SystemTime_DtrmnElapsedTime_uS_u16	255	
Rte_Call_Sa_MtrDrvDiag_FetFlt1Data_OP_GET	1	Rte_Call_Sa_MtrDrvDiag_FetFlt1Data_OP_GET	1	
Rte_Call_Sa_MtrDrvDiag_FetFlt2Clk_OP_SET	1	Rte_Call_Sa_MtrDrvDiag_FetFlt2Clk_OP_SET	1	→

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Actual Function	Count	Expected Function	Count	Result
Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32	1	Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32	1	•
Rte_Call_Sa_MtrDrvDiag_SystemTime_DtrmnElapsedTime_uS_u16	1	Rte_Call_Sa_MtrDrvDiag_SystemTime_DtrmnElapsedTime_uS_u16	1	~
Rte_Call_Sa_MtrDrvDiag_FetFlt2Clk_OP_SET	1	Rte_Call_Sa_MtrDrvDiag_FetFlt2Clk_OP_SET	1	~
GateDrvWaitTime	1	GateDrvWaitTime	1	~
Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32	1	Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32	1	~
Rte_Call_Sa_MtrDrvDiag_SystemTime_DtrmnElapsedTime_uS_u16	255	Rte_Call_Sa_MtrDrvDiag_SystemTime_DtrmnElapsedTime_uS_u16	255	~
Rte_Call_Sa_MtrDrvDiag_FetFlt1Data_OP_GET	1	Rte_Call_Sa_MtrDrvDiag_FetFlt1Data_OP_GET	1	~
Rte_Call_Sa_MtrDrvDiag_FetFlt2Clk_OP_SET	1	Rte_Call_Sa_MtrDrvDiag_FetFlt2Clk_OP_SET	1	~
GateDrvWaitTime	1	GateDrvWaitTime	1	~
Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32	1	Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32	1	~
Rte_Call_Sa_MtrDrvDiag_SystemTime_DtrmnElapsedTime_uS_u16	1	Rte_Call_Sa_MtrDrvDiag_SystemTime_DtrmnElapsedTime_uS_u16	1	~
Rte_Call_Sa_MtrDrvDiag_FetFlt2Clk_OP_SET	1	Rte_Call_Sa_MtrDrvDiag_FetFlt2Clk_OP_SET	1	~
GateDrvWaitTime	1	GateDrvWaitTime	1	~
Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32	1	Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32	1	~
Rte_Call_Sa_MtrDrvDiag_SystemTime_DtrmnElapsedTime_uS_u16	255	Rte_Call_Sa_MtrDrvDiag_SystemTime_DtrmnElapsedTime_uS_u16	255	~
Rte_Call_Sa_MtrDrvDiag_FetFlt1Data_OP_GET	1	Rte_Call_Sa_MtrDrvDiag_FetFlt1Data_OP_GET	1	~
Rte_Call_Sa_MtrDrvDiag_FetFlt2Clk_OP_SET	1	Rte_Call_Sa_MtrDrvDiag_FetFlt2Clk_OP_SET	1	~
GateDrvWaitTime	1	GateDrvWaitTime	1	~
Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32	1	Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32	1	~
Rte_Call_Sa_MtrDrvDiag_SystemTime_DtrmnElapsedTime_uS_u16	1	Rte_Call_Sa_MtrDrvDiag_SystemTime_DtrmnElapsedTime_uS_u16	1	~
Rte_Call_Sa_MtrDrvDiag_loHwAbPortConfig_SetFetFlt2ToOutput	1	Rte_Call_Sa_MtrDrvDiag_IoHwAbPortConfig_SetFetFlt2ToOutput	1	~

Test Step 2.16 (Repeat Count = 1)			✓
Name	Input Value		
GenGateDriveFltAccPtr_Cnt_T_u16	target_GenGateDriveFltAccPtr_Cnt_T_u16		
OnStateFltAccPtr_Cnt_T_u16	target_OnStateFltAccPtr_Cnt_T_u16		
Rte_Call_Sa_MtrDrvDiag_NxtrDiagMgr_GetNTCFailed(NTCFailed_Ptr_T_lgc)	target_Rte_Call_Sa_MtrDrvDiag_NxtrDiagM	gr_GetNTCFailed_NTCFailed_Ptr_T_lgc	
Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32(CurrentTime)	target_Rte_Call_Sa_MtrDrvDiag_SystemTim	e_GetSystemTime_uS_u32_CurrentTime	
SVDiag_FETFaultPhase_Cnt_M_enum	3		
SVDiag_FETFaultType_Cnt_M_enum	2		
SVDiag_ResetWaitLoop_Cnt_M_lgc	1		
k_OnStateDiag_Cnt_str.Threshold	65535		
k_OnStateDiag_Cnt_str.PStep	65535		
target_GenGateDriveFltAccPtr_Cnt_T_u16	200		
target_OnStateFltAccPtr_Cnt_T_u16	65535		
$target_Rte_Call_Sa_MtrDrvDiag_NxtrDiagMgr_GetNTCFailed_NTCFailed_Ptr_T_lg$	1		
$target_Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32_CurrentTime_us_u32_CurrentTime_us_u32_CurrentTime_us_u32_CurrentTime_us_u32_CurrentTime_us_u32_CurrentTime_us_u32_CurrentTime_us_u332_CurrentT$	4294967295		
Name	Actual Value	Expected Value	Result
Rte_Call_Sa_MtrDrvDiag_NxtrDiagMgr_SetNTCStatus(NTC_Cnt_T_enum)	79	79	~
Rte_Call_Sa_MtrDrvDiag_NxtrDiagMgr_SetNTCStatus(Param_Cnt_T_u08)	1	1	•
Rte_Call_Sa_MtrDrvDiag_NxtrDiagMgr_SetNTCStatus(Status_Cnt_T_enum)	1	1	~
SVDiag_FETFaultPhase_Cnt_M_enum	3	3	✓
SVDiag_FETFaultType_Cnt_M_enum	2	2	~
SVDiag_ResetWaitLoop_Cnt_M_lgc	1	1	~
target_GenGateDriveFltAccPtr_Cnt_T_u16	200	200	~
target_OnStateFltAccPtr_Cnt_T_u16	65535	65535	~

Test Step Call Trace				
Actual Function	Count	Expected Function	Count	Result
Rte_Call_Sa_MtrDrvDiag_NxtrDiagMgr_GetNTCFailed	1	Rte_Call_Sa_MtrDrvDiag_NxtrDiagMgr_GetNTCFailed	1	~
Rte_Call_Sa_MtrDrvDiag_NxtrDiagMgr_SetNTCStatus	1	Rte_Call_Sa_MtrDrvDiag_NxtrDiagMgr_SetNTCStatus	1	✓



Test Case 3: Path Test

Specification

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

TC3.1 1168975 Cycles
TC3.2 68 Cycles
TC3.3 1173591 Cycles
TC3.4 1173766 Cycles
TC3.5 1175178 Cycles
TC3.6 1180297 Cycles

Description

Vector Description

 $TS3.1" ((*OnStateFltAccPtr_Cnt_T_u16) < ((k_GateDriveDiag_Cnt_str.Threshold) - (k_GateDriveDiag_Cnt_str.PStep) \\$

False &&
(TRUE == OnStateFltActive_Cnt_T_lgc)= False &&
(FaultedPhases_Cnt_T_u16 > 1U)

=True &&

-("GenGateDriveFltAccPtr_Cnt_T_u16 >=100U)=False " TS3.6("GenGateDriveFltAccPtr_Cnt_T_u16 >=100U)=True

Test Step 3.1 (Repeat Count = 1)			_	
Name	Input Value			
GenGateDriveFltAccPtr_Cnt_T_u16	target_GenGateDriveFltAccPtr_Cnt_T_u	16		
OnStateFltAccPtr_Cnt_T_u16	target_OnStateFltAccPtr_Cnt_T_u16	target_OnStateFltAccPtr_Cnt_T_u16		
Rte_Call_Sa_MtrDrvDiag_NxtrDiagMgr_GetNTCFailed(NTCFailed_Ptr_T_lgc)	target_Rte_Call_Sa_MtrDrvDiag_NxtrDia	gMgr_GetNTCFailed_NTCFailed_Ptr_T_lgc		
Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32(CurrentTime)	target_Rte_Call_Sa_MtrDrvDiag_System	Time_GetSystemTime_uS_u32_CurrentTime		
SVDiag_FETFaultPhase_Cnt_M_enum	0			
SVDiag_FETFaultType_Cnt_M_enum	0			
SVDiag_ResetWaitLoop_Cnt_M_lgc	0			
k_OnStateDiag_Cnt_str.Threshold	123			
k_OnStateDiag_Cnt_str.PStep	567			
target_GenGateDriveFltAccPtr_Cnt_T_u16	120			
target_OnStateFltAccPtr_Cnt_T_u16	0			
$target_Rte_Call_Sa_MtrDrvDiag_NxtrDiagMgr_GetNTCFailed_NTCFailed_Ptr_T_Signature = 0.0000000000000000000000000000000000$	g ₁ 0			
$target_Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32_Current = 0.0000000000000000000000000000000000$	ir 5000			
Name	Actual Value	Expected Value	Result	
Rte_Call_Sa_MtrDrvDiag_NxtrDiagMgr_SetNTCStatus(NTC_Cnt_T_enum)	79	79	-	
Rte_Call_Sa_MtrDrvDiag_NxtrDiagMgr_SetNTCStatus(Param_Cnt_T_u08)	1	1	-	
Rte_Call_Sa_MtrDrvDiag_NxtrDiagMgr_SetNTCStatus(Status_Cnt_T_enum)	1	1	-	
SVDiag_FETFaultPhase_Cnt_M_enum	3	3	-	
SVDiag_FETFaultType_Cnt_M_enum	2	2	-	
SVDiag_ResetWaitLoop_Cnt_M_lgc	0	0	-	
target_GenGateDriveFltAccPtr_Cnt_T_u16	120	120	-	
target OnStateFltAccPtr Cnt T u16	123	123	-	

ProcBridgeFlt

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Actual Function		Expected Function	Count	Result
Rte_Call_Sa_MtrDrvDiag_NxtrDiagMgr_GetNTCFailed	1	Rte_Call_Sa_MtrDrvDiag_NxtrDiagMgr_GetNTCFailed	1	~
ReadMtrDrvFltData	1	ReadMtrDrvFltData	1	~
Rte_Call_Sa_MtrDrvDiag_loHwAbPortConfig_SetFetFlt2ToOutput	1	Rte_Call_Sa_MtrDrvDiag_IoHwAbPortConfig_SetFetFlt2ToOutput	1	•
Rte_Call_Sa_MtrDrvDiag_FetFlt2Clk_OP_SET GateDrvWaitTime	1	Rte_Call_Sa_MtrDrvDiag_FetFlt2Clk_OP_SET	1	*
Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32	1	GateDrvWaitTime Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32	1	-
Rte_Call_Sa_MtrDrvDiag_SystemTime_detSystemTime_us_us2	1	Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32 Rte_Call_Sa_MtrDrvDiag_SystemTime_DtrmnElapsedTime_uS_u16	1	
Rte_Call_Sa_MtrDrvDiag_FetFlt1Data_OP_GET	1	Rte_Call_Sa_MtrDrvDiag_FetFlt1Data_OP_GET	1	•
Rte Call Sa MtrDrvDiag FetFlt2Clk OP SET	1	Rte_Call_Sa_MtrDrvDiag_FetFlt2Clk_OP_SET	1	-
GateDrvWaitTime	1	GateDrvWaitTime	1	✓
Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32	1	Rte Call Sa MtrDrvDiag SystemTime GetSystemTime uS u32	1	-
Rte_Call_Sa_MtrDrvDiag_SystemTime_DtrmnElapsedTime_uS_u16	1	Rte_Call_Sa_MtrDrvDiag_SystemTime_DtrmnElapsedTime_uS_u16	1	-
Rte_Call_Sa_MtrDrvDiag_FetFlt2Clk_OP_SET	1	Rte_Call_Sa_MtrDrvDiag_FetFlt2Clk_OP_SET	1	-
GateDrvWaitTime	1	GateDrvWaitTime	1	•
Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32	1	Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32	1	-
Rte_Call_Sa_MtrDrvDiag_SystemTime_DtrmnElapsedTime_uS_u16	1	Rte_Call_Sa_MtrDrvDiag_SystemTime_DtrmnElapsedTime_uS_u16	1	•
Rte_Call_Sa_MtrDrvDiag_FetFlt1Data_OP_GET	1	Rte_Call_Sa_MtrDrvDiag_FetFlt1Data_OP_GET	1	~
Rte_Call_Sa_MtrDrvDiag_FetFlt2Clk_OP_SET	1	Rte_Call_Sa_MtrDrvDiag_FetFlt2Clk_OP_SET	1	✓
GateDrvWaitTime	1	GateDrvWaitTime	1	~
Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32	1	Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32	1	V
Rte_Call_Sa_MtrDrvDiag_SystemTime_DtrmnElapsedTime_uS_u16	1	Rte_Call_Sa_MtrDrvDiag_SystemTime_DtrmnElapsedTime_uS_u16	1	•
Rte_Call_Sa_MtrDrvDiag_FetFlt2Clk_OP_SET GateDrvWaitTime	1	Rte_Call_Sa_MtrDrvDiag_FetFlt2Clk_OP_SET GateDrvWaitTime	1	7
Rte Call Sa MtrDrvDiag SystemTime GetSystemTime uS u32	1	Rte Call Sa MtrDrvDiag SystemTime GetSystemTime uS u32	1	-
Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_us_us2 Rte_Call_Sa_MtrDrvDiag_SystemTime_DtrmnElapsedTime_uS_u16	253	Rte_Call_Sa_MtrDrvDiag_SystemTime_GetsystemTime_us_u32 Rte_Call_Sa_MtrDrvDiag_SystemTime_DtrmnElapsedTime_uS_u16	253	Ž
Rte_Call_Sa_MtrDrvDiag_SystemTime_btrimiEiapsedTime_us_u16 Rte_Call_Sa_MtrDrvDiag_FetFlt1Data_OP_GET	1	Rte_Call_Sa_MtrDrvDiag_SystemTime_Dtrime_lapsedTime_us_u16 Rte_Call_Sa_MtrDrvDiag_FetFlt1Data_OP_GET	1	
Rte Call Sa MtrDrvDiag FetFlt2Clk OP SET	1	Rte_Call_Sa_MtrDrvDiag_FetFlt2Clk_OP_SET	1	
GateDrvWaitTime	1	GateDryWaitTime	1	•
Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32	1	Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32	1	-
Rte_Call_Sa_MtrDrvDiag_SystemTime_DtrmnElapsedTime_uS_u16	1	Rte_Call_Sa_MtrDrvDiag_SystemTime_DtrmnElapsedTime_uS_u16	1	-
Rte_Call_Sa_MtrDrvDiag_FetFlt2Clk_OP_SET	1	Rte_Call_Sa_MtrDrvDiag_FetFlt2Clk_OP_SET	1	-
GateDrvWaitTime	1	GateDrvWaitTime	1	~
Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32	1	Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32	1	-
Rte_Call_Sa_MtrDrvDiag_SystemTime_DtrmnElapsedTime_uS_u16	1	Rte_Call_Sa_MtrDrvDiag_SystemTime_DtrmnElapsedTime_uS_u16	1	~
Rte_Call_Sa_MtrDrvDiag_FetFlt1Data_OP_GET	1	Rte_Call_Sa_MtrDrvDiag_FetFlt1Data_OP_GET	1	~
Rte_Call_Sa_MtrDrvDiag_FetFlt2Clk_OP_SET	1	Rte_Call_Sa_MtrDrvDiag_FetFlt2Clk_OP_SET	1	~
GateDrvWaitTime	1	GateDrvWaitTime	1	~
Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32	1	Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32	1	•
Rte_Call_Sa_MtrDrvDiag_SystemTime_DtrmnElapsedTime_uS_u16	1	Rte_Call_Sa_MtrDrvDiag_SystemTime_DtrmnElapsedTime_uS_u16	1	•
Rte_Call_Sa_MtrDrvDiag_FetFlt2Clk_OP_SET	1	Rte_Call_Sa_MtrDrvDiag_FetFlt2Clk_OP_SET GateDrvWaitTime	1	•
GateDrvWaitTime Rte Call Sa MtrDrvDiag SystemTime GetSystemTime uS u32	1	Rte Call Sa MtrDrvDiag SystemTime GetSystemTime uS u32	1	-
Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_us_us2	253	Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32 Rte_Call_Sa_MtrDrvDiag_SystemTime_DtrmnElapsedTime_uS_u16	253	
Rte_Call_Sa_MtrDrvDiag_FetFlt1Data_OP_GET	1	Rte Call Sa MtrDrvDiag FetFlt1Data OP GET	1	•
Rte_Call_Sa_MtrDrvDiag_FetFlt2Clk_OP_SET	1	Rte_Call_Sa_MtrDrvDiag_FetFlt2Clk_OP_SET	1	-
GateDrvWaitTime	1	GateDrvWaitTime	1	✓
Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32	1	Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32	1	-
Rte_Call_Sa_MtrDrvDiag_SystemTime_DtrmnElapsedTime_uS_u16	1	Rte_Call_Sa_MtrDrvDiag_SystemTime_DtrmnElapsedTime_uS_u16	1	•
Rte_Call_Sa_MtrDrvDiag_FetFlt2Clk_OP_SET	1	Rte_Call_Sa_MtrDrvDiag_FetFlt2Clk_OP_SET	1	-
GateDrvWaitTime	1	GateDrvWaitTime	1	-
Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32	1	Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32	1	-
Rte_Call_Sa_MtrDrvDiag_SystemTime_DtrmnElapsedTime_uS_u16	1	Rte_Call_Sa_MtrDrvDiag_SystemTime_DtrmnElapsedTime_uS_u16	1	-
Rte_Call_Sa_MtrDrvDiag_FetFlt1Data_OP_GET	1	Rte_Call_Sa_MtrDrvDiag_FetFlt1Data_OP_GET	1	-
Rte_Call_Sa_MtrDrvDiag_FetFlt2Clk_OP_SET	1	Rte_Call_Sa_MtrDrvDiag_FetFlt2Clk_OP_SET	1	-
GateDrvWaitTime	1	GateDrvWaitTime	1	-
Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32	1	Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32	1	•
Rte_Call_Sa_MtrDrvDiag_SystemTime_DtrmnElapsedTime_uS_u16	1	Rte_Call_Sa_MtrDrvDiag_SystemTime_DtrmnElapsedTime_uS_u16	1	~
Rte_Call_Sa_MtrDrvDiag_FetFlt2Clk_OP_SET	1	Rte_Call_Sa_MtrDrvDiag_FetFlt2Clk_OP_SET	1	~
GateDrvWaitTime	1	GateDrvWaitTime	1	~
Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32	1	Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32	1	•
Rte_Call_Sa_MtrDrvDiag_SystemTime_DtrmnElapsedTime_uS_u16	253	Rte_Call_Sa_MtrDrvDiag_SystemTime_DtrmnElapsedTime_uS_u16	253	•
Rte_Call_Sa_MtrDrvDiag_FetFlt1Data_OP_GET	1	Rte_Call_Sa_MtrDrvDiag_FetFlt1Data_OP_GET	1	•
Rte_Call_Sa_MtrDrvDiag_FetFlt2Clk_OP_SET	1	Rte_Call_Sa_MtrDrvDiag_FetFlt2Clk_OP_SET	1	-
GateDrvWaitTime Pta Call Sa MtrDrvDiag SystemTime GetSystemTime u.S. u.32	1	GateDrvWaitTime Pta Call Sa MtrDrvDiag SystemTime GetSystemTime us us us 2	1	-
Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32 Rte_Call_Sa_MtrDrvDiag_SystemTime_DtrmnElapsedTime_uS_u16	1	Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32 Rte_Call_Sa_MtrDrvDiag_SystemTime_DtrmnElapsedTime_uS_u16	1	~
Rte_Call_Sa_MtrDrvDiag_SystemTime_DtrmnElapsedTime_us_u16 Rte_Call_Sa_MtrDrvDiag_FetFlt2Clk_OP_SET	1	Rte_Call_Sa_MtrDrvDiag_SystemTime_DtrmnElapsedTime_us_u16 Rte_Call_Sa_MtrDrvDiag_FetFlt2Clk_OP_SET	1	Ž
GateDrvWaitTime	1	GateDrvWaitTime	1	
Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32	1	Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32	1	
Rte_Call_Sa_MtrDrvDiag_SystemTime_DtrmnElapsedTime_uS_u16	1	Rte_Call_Sa_MtrDrvDiag_SystemTime_DtrmnElapsedTime_uS_u16	1	•
Rte_Call_Sa_MtrDrvDiag_FetFlt1Data_OP_GET	1	Rte_Call_Sa_MtrDrvDiag_FetFlt1Data_OP_GET	1	_
Rte_Call_Sa_MtrDrvDiag_FetFlt2Clk_OP_SET	1	Rte_Call_Sa_MtrDrvDiag_FetFlt2Clk_OP_SET	1	V
RIE_Caii_3a_WiliDivDiay_FelFil2Cik OF 3E1		Tric_Gail_Ga_WitDivDiag_Tett itzGir Gir GET		

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Actual Function	Count	Expected Function	Count	Result
Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32	1	Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32	1	~
Rte_Call_Sa_MtrDrvDiag_SystemTime_DtrmnElapsedTime_uS_u16	1	Rte_Call_Sa_MtrDrvDiag_SystemTime_DtrmnElapsedTime_uS_u16	1	~
Rte_Call_Sa_MtrDrvDiag_FetFlt2Clk_OP_SET	1	Rte_Call_Sa_MtrDrvDiag_FetFlt2Clk_OP_SET	1	~
GateDrvWaitTime	1	GateDrvWaitTime	1	~
Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32	1	Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32	1	~
Rte_Call_Sa_MtrDrvDiag_SystemTime_DtrmnElapsedTime_uS_u16	253	Rte_Call_Sa_MtrDrvDiag_SystemTime_DtrmnElapsedTime_uS_u16	253	~
Rte_Call_Sa_MtrDrvDiag_FetFlt1Data_OP_GET	1	Rte_Call_Sa_MtrDrvDiag_FetFlt1Data_OP_GET	1	~
Rte_Call_Sa_MtrDrvDiag_FetFlt2Clk_OP_SET	1	Rte_Call_Sa_MtrDrvDiag_FetFlt2Clk_OP_SET	1	~
GateDrvWaitTime	1	GateDrvWaitTime	1	~
Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32	1	Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32	1	~
Rte_Call_Sa_MtrDrvDiag_SystemTime_DtrmnElapsedTime_uS_u16	1	Rte_Call_Sa_MtrDrvDiag_SystemTime_DtrmnElapsedTime_uS_u16	1	~
Rte_Call_Sa_MtrDrvDiag_FetFlt2Clk_OP_SET	1	Rte_Call_Sa_MtrDrvDiag_FetFlt2Clk_OP_SET	1	~
GateDrvWaitTime	1	GateDrvWaitTime	1	~
Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32	1	Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32	1	~
Rte_Call_Sa_MtrDrvDiag_SystemTime_DtrmnElapsedTime_uS_u16	1	Rte_Call_Sa_MtrDrvDiag_SystemTime_DtrmnElapsedTime_uS_u16	1	~
Rte_Call_Sa_MtrDrvDiag_FetFlt1Data_OP_GET	1	Rte_Call_Sa_MtrDrvDiag_FetFlt1Data_OP_GET	1	~
Rte_Call_Sa_MtrDrvDiag_FetFlt2Clk_OP_SET	1	Rte_Call_Sa_MtrDrvDiag_FetFlt2Clk_OP_SET	1	~
GateDrvWaitTime	1	GateDrvWaitTime	1	~
Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32	1	Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32	1	~
Rte_Call_Sa_MtrDrvDiag_SystemTime_DtrmnElapsedTime_uS_u16	1	Rte_Call_Sa_MtrDrvDiag_SystemTime_DtrmnElapsedTime_uS_u16	1	~
Rte_Call_Sa_MtrDrvDiag_loHwAbPortConfig_SetFetFlt2ToOutput	1	Rte_Call_Sa_MtrDrvDiag_loHwAbPortConfig_SetFetFlt2ToOutput	1	~
Rte_Call_Sa_MtrDrvDiag_NxtrDiagMgr_SetNTCStatus	1	Rte_Call_Sa_MtrDrvDiag_NxtrDiagMgr_SetNTCStatus	1	~

Name	Input Value		
GenGateDriveFltAccPtr_Cnt_T_u16	target_GenGateDriveFltAccPtr_Cnt_T_u16		
OnStateFltAccPtr_Cnt_T_u16	target_OnStateFltAccPtr_Cnt_T_u16		
Rte_Call_Sa_MtrDrvDiag_NxtrDiagMgr_GetNTCFailed(NTCFailed_Ptr_T_lgc)	target_Rte_Call_Sa_MtrDrvDiag_NxtrDiagM	gr_GetNTCFailed_NTCFailed_Ptr_T_lgc	
Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32(CurrentTime)	target_Rte_Call_Sa_MtrDrvDiag_SystemTin	ne_GetSystemTime_uS_u32_CurrentTime	
SVDiag_FETFaultPhase_Cnt_M_enum	2		
SVDiag_FETFaultType_Cnt_M_enum	2		
SVDiag_ResetWaitLoop_Cnt_M_lgc	1		
k_OnStateDiag_Cnt_str.Threshold	65535		
k_OnStateDiag_Cnt_str.PStep	1318		
target_GenGateDriveFltAccPtr_Cnt_T_u16	20		
target_OnStateFltAccPtr_Cnt_T_u16	713		
target_Rte_Call_Sa_MtrDrvDiag_NxtrDiagMgr_GetNTCFailed_NTCFailed_Ptr_T_lgr	1		
target_Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32_CurrentTir	4000		
Name	Actual Value	Expected Value	Result
Rte_Call_Sa_MtrDrvDiag_NxtrDiagMgr_SetNTCStatus(NTC_Cnt_T_enum)	79	*none*	-
Rte_Call_Sa_MtrDrvDiag_NxtrDiagMgr_SetNTCStatus(Param_Cnt_T_u08)	1	*none*	-
Rte_Call_Sa_MtrDrvDiag_NxtrDiagMgr_SetNTCStatus(Status_Cnt_T_enum)	1	*none*	-
SVDiag_FETFaultPhase_Cnt_M_enum	2	2	-
SVDiag_FETFaultType_Cnt_M_enum	2	2	-
SVDiag_ResetWaitLoop_Cnt_M_lgc	1	1	-
target_GenGateDriveFltAccPtr_Cnt_T_u16	20	20	-
target OnStateFltAccPtr Cnt T u16	2031	2031	-

Test Step Call Trace				
Actual Function	Count	Expected Function	Count	Result
none	0	*** No Call Expected ***	0	_





Test Step 3.3 (Repeat Count = 1)			~
Name	Input Value		
GenGateDriveFltAccPtr_Cnt_T_u16	target_GenGateDriveFltAccPtr_Cnt_T_u16		
OnStateFltAccPtr_Cnt_T_u16	target_OnStateFltAccPtr_Cnt_T_u16		
Rte_Call_Sa_MtrDrvDiag_NxtrDiagMgr_GetNTCFailed(NTCFailed_Ptr_T_lgc)	target_Rte_Call_Sa_MtrDrvDiag_NxtrDiagN	lgr_GetNTCFailed_NTCFailed_Ptr_T_lgc	
Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32(CurrentTime)	target_Rte_Call_Sa_MtrDrvDiag_SystemTir	me_GetSystemTime_uS_u32_CurrentTime	
SVDiag_FETFaultPhase_Cnt_M_enum	2		
SVDiag_FETFaultType_Cnt_M_enum	1		
SVDiag_ResetWaitLoop_Cnt_M_lgc	1		
k_OnStateDiag_Cnt_str.Threshold	900		
k_OnStateDiag_Cnt_str.PStep	675		
target_GenGateDriveFltAccPtr_Cnt_T_u16	150		
target_OnStateFltAccPtr_Cnt_T_u16	65535		
$target_Rte_Call_Sa_MtrDrvDiag_NxtrDiagMgr_GetNTCFailed_NTCFailed_Ptr_T_Signature = 0.0000000000000000000000000000000000$	_lg _' 1		
target_Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32_Current	Tir 1000		
Name	Actual Value	Expected Value	Result
Rte Call Sa MtrDryDiag NxtrDiagMgr SetNTCStatus(NTC Cnt T enum)	79	79	

target_Rte_Call_3a_MitDivDiag_SystemTime_GetSystemTime_u3_u32_CurrentTime	1000		
Name	Actual Value	Expected Value	Result
Rte_Call_Sa_MtrDrvDiag_NxtrDiagMgr_SetNTCStatus(NTC_Cnt_T_enum)	79	79	~
Rte_Call_Sa_MtrDrvDiag_NxtrDiagMgr_SetNTCStatus(Param_Cnt_T_u08)	1	1	•
Rte_Call_Sa_MtrDrvDiag_NxtrDiagMgr_SetNTCStatus(Status_Cnt_T_enum)	1	1	~
SVDiag_FETFaultPhase_Cnt_M_enum	2	2	~
SVDiag_FETFaultType_Cnt_M_enum	1	1	~
SVDiag_ResetWaitLoop_Cnt_M_lgc	1	1	~
target_GenGateDriveFltAccPtr_Cnt_T_u16	150	150	~
target_OnStateFltAccPtr_Cnt_T_u16	900	900	✓

Test Step Call Trace				✓
Actual Function	Count	Expected Function	Count	Result
Rte_Call_Sa_MtrDrvDiag_NxtrDiagMgr_GetNTCFailed	1	Rte_Call_Sa_MtrDrvDiag_NxtrDiagMgr_GetNTCFailed	1	~
Rte_Call_Sa_MtrDrvDiag_NxtrDiagMgr_SetNTCStatus	1	Rte_Call_Sa_MtrDrvDiag_NxtrDiagMgr_SetNTCStatus	1	~

Test Step 3.4 (Repeat Count = 1)			✓
Name	Input Value		
GenGateDriveFltAccPtr_Cnt_T_u16	target_GenGateDriveFltAccPtr_Cnt_T_u	16	
OnStateFitAccPtr_Cnt_T_u16	target_OnStateFltAccPtr_Cnt_T_u16		
Rte_Call_Sa_MtrDrvDiag_NxtrDiagMgr_GetNTCFailed(NTCFailed_Ptr_T_lgc)	target_Rte_Call_Sa_MtrDrvDiag_NxtrDia	gMgr_GetNTCFailed_NTCFailed_Ptr_T_lgc	
$Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32(CurrentTime)$	target_Rte_Call_Sa_MtrDrvDiag_System	Time_GetSystemTime_uS_u32_CurrentTime	
SVDiag_FETFaultPhase_Cnt_M_enum	3		
SVDiag_FETFaultType_Cnt_M_enum	2		
SVDiag_ResetWaitLoop_Cnt_M_lgc	1		
k_OnStateDiag_Cnt_str.Threshold	44		
k_OnStateDiag_Cnt_str.PStep	842		
target_GenGateDriveFltAccPtr_Cnt_T_u16	180		
target_OnStateFltAccPtr_Cnt_T_u16	477		
$target_Rte_Call_Sa_MtrDrvDiag_NxtrDiagMgr_GetNTCFailed_NTCFailed_Ptr_Talled$	'_lg _' 0		
$target_Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32_Currenter (SystemTime_uS) and (SystemTime_uS) are also considered as a function of the contraction of$	tTir 2000		
Name	Actual Value	Expected Value	Result
Rte_Call_Sa_MtrDrvDiag_NxtrDiagMgr_SetNTCStatus(NTC_Cnt_T_enum)	78	78	•
Rte_Call_Sa_MtrDrvDiag_NxtrDiagMgr_SetNTCStatus(Param_Cnt_T_u08)	2	2	✓
Rte_Call_Sa_MtrDrvDiag_NxtrDiagMgr_SetNTCStatus(Status_Cnt_T_enum)	1	1	•
SVDiag_FETFaultPhase_Cnt_M_enum	1	1	✓
SVDiag_FETFaultType_Cnt_M_enum	1	1	✓
SVDiag_ResetWaitLoop_Cnt_M_lgc	1	1	✓
target_GenGateDriveFltAccPtr_Cnt_T_u16	180	180	✓
target_OnStateFltAccPtr_Cnt_T_u16	0	0	~

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Test Step Call Trace

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Actual Function		Expected Function	Count	Result
Rte_Call_Sa_MtrDrvDiag_NxtrDiagMgr_GetNTCFailed	1	Rte_Call_Sa_MtrDrvDiag_NxtrDiagMgr_GetNTCFailed	1	~
ReadMtrDrvFltData	1	ReadMtrDrvFltData	1	~
Rte_Call_Sa_MtrDrvDiag_loHwAbPortConfig_SetFetFlt2ToOutput	1	Rte_Call_Sa_MtrDrvDiag_IoHwAbPortConfig_SetFetFlt2ToOutput	1	•
Rte_Call_Sa_MtrDrvDiag_FetFlt2Clk_OP_SET GateDrvWaitTime	1	Rte_Call_Sa_MtrDrvDiag_FetFlt2Clk_OP_SET	1	*
Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32	1	GateDrvWaitTime Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32	1	-
Rte_Call_Sa_MtrDrvDiag_SystemTime_detSystemTime_us_us2	1	Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32 Rte_Call_Sa_MtrDrvDiag_SystemTime_DtrmnElapsedTime_uS_u16	1	
Rte_Call_Sa_MtrDrvDiag_FetFlt1Data_OP_GET	1	Rte_Call_Sa_MtrDrvDiag_FetFlt1Data_OP_GET	1	•
Rte Call Sa MtrDrvDiag FetFlt2Clk OP SET	1	Rte_Call_Sa_MtrDrvDiag_FetFlt2Clk_OP_SET	1	-
GateDrvWaitTime	1	GateDrvWaitTime	1	✓
Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32	1	Rte Call Sa MtrDrvDiag SystemTime GetSystemTime uS u32	1	-
Rte_Call_Sa_MtrDrvDiag_SystemTime_DtrmnElapsedTime_uS_u16	1	Rte_Call_Sa_MtrDrvDiag_SystemTime_DtrmnElapsedTime_uS_u16	1	-
Rte_Call_Sa_MtrDrvDiag_FetFlt2Clk_OP_SET	1	Rte_Call_Sa_MtrDrvDiag_FetFlt2Clk_OP_SET	1	-
GateDrvWaitTime	1	GateDrvWaitTime	1	•
Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32	1	Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32	1	-
Rte_Call_Sa_MtrDrvDiag_SystemTime_DtrmnElapsedTime_uS_u16	1	Rte_Call_Sa_MtrDrvDiag_SystemTime_DtrmnElapsedTime_uS_u16	1	•
Rte_Call_Sa_MtrDrvDiag_FetFlt1Data_OP_GET	1	Rte_Call_Sa_MtrDrvDiag_FetFlt1Data_OP_GET	1	~
Rte_Call_Sa_MtrDrvDiag_FetFlt2Clk_OP_SET	1	Rte_Call_Sa_MtrDrvDiag_FetFlt2Clk_OP_SET	1	✓
GateDrvWaitTime	1	GateDrvWaitTime	1	~
Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32	1	Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32	1	V
Rte_Call_Sa_MtrDrvDiag_SystemTime_DtrmnElapsedTime_uS_u16	1	Rte_Call_Sa_MtrDrvDiag_SystemTime_DtrmnElapsedTime_uS_u16	1	•
Rte_Call_Sa_MtrDrvDiag_FetFlt2Clk_OP_SET GateDrvWaitTime	1	Rte_Call_Sa_MtrDrvDiag_FetFlt2Clk_OP_SET GateDrvWaitTime	1	7
Rte Call Sa MtrDrvDiag SystemTime GetSystemTime uS u32	1	Rte Call Sa MtrDrvDiag SystemTime GetSystemTime uS u32	1	-
Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_us_us2 Rte_Call_Sa_MtrDrvDiag_SystemTime_DtrmnElapsedTime_uS_u16	253	Rte_Call_Sa_MtrDrvDiag_SystemTime_GetsystemTime_us_u32 Rte_Call_Sa_MtrDrvDiag_SystemTime_DtrmnElapsedTime_uS_u16	253	Ž
Rte_Call_Sa_MtrDrvDiag_SystemTime_btrimiEiapsedTime_us_u16 Rte_Call_Sa_MtrDrvDiag_FetFlt1Data_OP_GET	1	Rte_Call_Sa_MtrDrvDiag_SystemTime_Dtrime_lapsedTime_us_u16 Rte_Call_Sa_MtrDrvDiag_FetFlt1Data_OP_GET	1	
Rte Call Sa MtrDrvDiag FetFlt2Clk OP SET	1	Rte_Call_Sa_MtrDrvDiag_FetFlt2Clk_OP_SET	1	
GateDrvWaitTime	1	GateDryWaitTime	1	•
Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32	1	Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32	1	-
Rte_Call_Sa_MtrDrvDiag_SystemTime_DtrmnElapsedTime_uS_u16	1	Rte_Call_Sa_MtrDrvDiag_SystemTime_DtrmnElapsedTime_uS_u16	1	-
Rte_Call_Sa_MtrDrvDiag_FetFlt2Clk_OP_SET	1	Rte_Call_Sa_MtrDrvDiag_FetFlt2Clk_OP_SET	1	-
GateDrvWaitTime	1	GateDrvWaitTime	1	~
Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32	1	Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32	1	-
Rte_Call_Sa_MtrDrvDiag_SystemTime_DtrmnElapsedTime_uS_u16	1	Rte_Call_Sa_MtrDrvDiag_SystemTime_DtrmnElapsedTime_uS_u16	1	~
Rte_Call_Sa_MtrDrvDiag_FetFlt1Data_OP_GET	1	Rte_Call_Sa_MtrDrvDiag_FetFlt1Data_OP_GET	1	~
Rte_Call_Sa_MtrDrvDiag_FetFlt2Clk_OP_SET	1	Rte_Call_Sa_MtrDrvDiag_FetFlt2Clk_OP_SET	1	~
GateDrvWaitTime	1	GateDrvWaitTime	1	~
Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32	1	Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32	1	•
Rte_Call_Sa_MtrDrvDiag_SystemTime_DtrmnElapsedTime_uS_u16	1	Rte_Call_Sa_MtrDrvDiag_SystemTime_DtrmnElapsedTime_uS_u16	1	•
Rte_Call_Sa_MtrDrvDiag_FetFlt2Clk_OP_SET	1	Rte_Call_Sa_MtrDrvDiag_FetFlt2Clk_OP_SET GateDrvWaitTime	1	•
GateDrvWaitTime Rte Call Sa MtrDrvDiag SystemTime GetSystemTime uS u32	1	Rte Call Sa MtrDrvDiag SystemTime GetSystemTime uS u32	1	-
Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_us_us2	253	Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32 Rte_Call_Sa_MtrDrvDiag_SystemTime_DtrmnElapsedTime_uS_u16	253	
Rte_Call_Sa_MtrDrvDiag_FetFlt1Data_OP_GET	1	Rte Call Sa MtrDrvDiag FetFlt1Data OP GET	1	•
Rte_Call_Sa_MtrDrvDiag_FetFlt2Clk_OP_SET	1	Rte_Call_Sa_MtrDrvDiag_FetFlt2Clk_OP_SET	1	-
GateDrvWaitTime	1	GateDrvWaitTime	1	✓
Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32	1	Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32	1	-
Rte_Call_Sa_MtrDrvDiag_SystemTime_DtrmnElapsedTime_uS_u16	1	Rte_Call_Sa_MtrDrvDiag_SystemTime_DtrmnElapsedTime_uS_u16	1	•
Rte_Call_Sa_MtrDrvDiag_FetFlt2Clk_OP_SET	1	Rte_Call_Sa_MtrDrvDiag_FetFlt2Clk_OP_SET	1	-
GateDrvWaitTime	1	GateDrvWaitTime	1	-
Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32	1	Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32	1	-
Rte_Call_Sa_MtrDrvDiag_SystemTime_DtrmnElapsedTime_uS_u16	1	Rte_Call_Sa_MtrDrvDiag_SystemTime_DtrmnElapsedTime_uS_u16	1	-
Rte_Call_Sa_MtrDrvDiag_FetFlt1Data_OP_GET	1	Rte_Call_Sa_MtrDrvDiag_FetFlt1Data_OP_GET	1	-
Rte_Call_Sa_MtrDrvDiag_FetFlt2Clk_OP_SET	1	Rte_Call_Sa_MtrDrvDiag_FetFlt2Clk_OP_SET	1	-
GateDrvWaitTime	1	GateDrvWaitTime	1	-
Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32	1	Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32	1	•
Rte_Call_Sa_MtrDrvDiag_SystemTime_DtrmnElapsedTime_uS_u16	1	Rte_Call_Sa_MtrDrvDiag_SystemTime_DtrmnElapsedTime_uS_u16	1	~
Rte_Call_Sa_MtrDrvDiag_FetFlt2Clk_OP_SET	1	Rte_Call_Sa_MtrDrvDiag_FetFlt2Clk_OP_SET	1	~
GateDrvWaitTime	1	GateDrvWaitTime	1	~
Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32	1	Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32	1	•
Rte_Call_Sa_MtrDrvDiag_SystemTime_DtrmnElapsedTime_uS_u16	253	Rte_Call_Sa_MtrDrvDiag_SystemTime_DtrmnElapsedTime_uS_u16	253	•
Rte_Call_Sa_MtrDrvDiag_FetFlt1Data_OP_GET	1	Rte_Call_Sa_MtrDrvDiag_FetFlt1Data_OP_GET	1	•
Rte_Call_Sa_MtrDrvDiag_FetFlt2Clk_OP_SET	1	Rte_Call_Sa_MtrDrvDiag_FetFlt2Clk_OP_SET	1	-
GateDrvWaitTime Pta Call Sa MtrDrvDiag SystemTime GetSystemTime u.S. u.32	1	GateDrvWaitTime Pta Call Sa MtrDrvDiag SystemTime GetSystemTime us us us 2	1	-
Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32 Rte_Call_Sa_MtrDrvDiag_SystemTime_DtrmnElapsedTime_uS_u16	1	Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32 Rte_Call_Sa_MtrDrvDiag_SystemTime_DtrmnElapsedTime_uS_u16	1	~
Rte_Call_Sa_MtrDrvDiag_SystemTime_DtrmnElapsedTime_us_u16 Rte_Call_Sa_MtrDrvDiag_FetFlt2Clk_OP_SET	1	Rte_Call_Sa_MtrDrvDiag_SystemTime_DtrmnElapsedTime_us_u16 Rte_Call_Sa_MtrDrvDiag_FetFlt2Clk_OP_SET	1	Ž
GateDrvWaitTime	1	GateDrvWaitTime	1	
Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32	1	Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32	1	
Rte_Call_Sa_MtrDrvDiag_SystemTime_DtrmnElapsedTime_uS_u16	1	Rte_Call_Sa_MtrDrvDiag_SystemTime_DtrmnElapsedTime_uS_u16	1	•
Rte_Call_Sa_MtrDrvDiag_FetFlt1Data_OP_GET	1	Rte_Call_Sa_MtrDrvDiag_FetFlt1Data_OP_GET	1	_
Rte_Call_Sa_MtrDrvDiag_FetFlt2Clk_OP_SET	1	Rte_Call_Sa_MtrDrvDiag_FetFlt2Clk_OP_SET	1	V
RIE_Caii_3a_WiliDivDiay_FelFil2Cik OF 3E1		Tric_Gail_Ga_WitDivDiag_Tett itzGir Gir GET		

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Actual Function	Count	Expected Function	Count	Result
Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32	1	Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32	1	•
Rte_Call_Sa_MtrDrvDiag_SystemTime_DtrmnElapsedTime_uS_u16	1	Rte_Call_Sa_MtrDrvDiag_SystemTime_DtrmnElapsedTime_uS_u16	1	~
Rte_Call_Sa_MtrDrvDiag_FetFlt2Clk_OP_SET	1	Rte_Call_Sa_MtrDrvDiag_FetFlt2Clk_OP_SET	1	~
GateDrvWaitTime	1	GateDrvWaitTime	1	~
Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32	1	Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32	1	~
Rte_Call_Sa_MtrDrvDiag_SystemTime_DtrmnElapsedTime_uS_u16	253	Rte_Call_Sa_MtrDrvDiag_SystemTime_DtrmnElapsedTime_uS_u16	253	~
Rte_Call_Sa_MtrDrvDiag_FetFlt1Data_OP_GET	1	Rte_Call_Sa_MtrDrvDiag_FetFlt1Data_OP_GET	1	~
Rte_Call_Sa_MtrDrvDiag_FetFlt2Clk_OP_SET	1	Rte_Call_Sa_MtrDrvDiag_FetFlt2Clk_OP_SET	1	~
GateDrvWaitTime	1	GateDrvWaitTime	1	~
Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32	1	Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32	1	~
Rte_Call_Sa_MtrDrvDiag_SystemTime_DtrmnElapsedTime_uS_u16	1	Rte_Call_Sa_MtrDrvDiag_SystemTime_DtrmnElapsedTime_uS_u16	1	~
Rte_Call_Sa_MtrDrvDiag_FetFlt2Clk_OP_SET	1	Rte_Call_Sa_MtrDrvDiag_FetFlt2Clk_OP_SET	1	~
GateDrvWaitTime	1	GateDrvWaitTime	1	•
Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32	1	Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32	1	~
Rte_Call_Sa_MtrDrvDiag_SystemTime_DtrmnElapsedTime_uS_u16	1	Rte_Call_Sa_MtrDrvDiag_SystemTime_DtrmnElapsedTime_uS_u16	1	•
Rte_Call_Sa_MtrDrvDiag_FetFlt1Data_OP_GET	1	Rte_Call_Sa_MtrDrvDiag_FetFlt1Data_OP_GET	1	~
Rte_Call_Sa_MtrDrvDiag_FetFlt2Clk_OP_SET	1	Rte_Call_Sa_MtrDrvDiag_FetFlt2Clk_OP_SET	1	~
GateDrvWaitTime	1	GateDrvWaitTime	1	~
Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32	1	Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32	1	~
Rte_Call_Sa_MtrDrvDiag_SystemTime_DtrmnElapsedTime_uS_u16	1	Rte_Call_Sa_MtrDrvDiag_SystemTime_DtrmnElapsedTime_uS_u16	1	~
Rte_Call_Sa_MtrDrvDiag_IoHwAbPortConfig_SetFetFlt2ToOutput	1	Rte_Call_Sa_MtrDrvDiag_IoHwAbPortConfig_SetFetFlt2ToOutput	1	~
Rte_Call_Sa_MtrDrvDiag_NxtrDiagMgr_SetNTCStatus	1	Rte_Call_Sa_MtrDrvDiag_NxtrDiagMgr_SetNTCStatus	1	~

Name	Input Value		
GenGateDriveFltAccPtr_Cnt_T_u16	target_GenGateDriveFltAccPtr_Cnt_T_u16		
OnStateFltAccPtr_Cnt_T_u16	target_OnStateFltAccPtr_Cnt_T_u16		
Rte_Call_Sa_MtrDrvDiag_NxtrDiagMgr_GetNTCFailed(NTCFailed_Ptr_T_lgc)	target_Rte_Call_Sa_MtrDrvDiag_NxtrDiagM	gr_GetNTCFailed_NTCFailed_Ptr_T_lgc	
Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32(CurrentTime)	target_Rte_Call_Sa_MtrDrvDiag_SystemTin	ne_GetSystemTime_uS_u32_CurrentTime	
SVDiag_FETFaultPhase_Cnt_M_enum	1		
SVDiag_FETFaultType_Cnt_M_enum	1		
SVDiag_ResetWaitLoop_Cnt_M_lgc	1		
k_OnStateDiag_Cnt_str.Threshold	2345		
k_OnStateDiag_Cnt_str.PStep	9211		
target_GenGateDriveFltAccPtr_Cnt_T_u16	0		
target_OnStateFltAccPtr_Cnt_T_u16	4577		
target_Rte_Call_Sa_MtrDrvDiag_NxtrDiagMgr_GetNTCFailed_NTCFailed_Ptr_T_lgr	_T_lg ₁ 0		
target_Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32_CurrentTir	urrentTir 0		
Name	Actual Value	Expected Value	Result
Rte_Call_Sa_MtrDrvDiag_NxtrDiagMgr_SetNTCStatus(NTC_Cnt_T_enum)	78	*none*	-
Rte_Call_Sa_MtrDrvDiag_NxtrDiagMgr_SetNTCStatus(Param_Cnt_T_u08)	2	*none*	-
Rte_Call_Sa_MtrDrvDiag_NxtrDiagMgr_SetNTCStatus(Status_Cnt_T_enum)	1	*none*	-
SVDiag_FETFaultPhase_Cnt_M_enum	0	0	-
SVDiag_FETFaultType_Cnt_M_enum	0	0	-
Diag_ResetWaitLoop_Cnt_M_lgc 1 1		Ī	-
target_GenGateDriveFltAccPtr_Cnt_T_u16	et_GenGateDriveFitAccPtr_Cnt_T_u16 1		-
target OnStateFltAccPtr Cnt T u16	0	0	

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Actual Function		Expected Function	Count	Resul
Rte_Call_Sa_MtrDrvDiag_NxtrDiagMgr_GetNTCFailed	1	Rte_Call_Sa_MtrDrvDiag_NxtrDiagMgr_GetNTCFailed	1	•
ReadMtrDrvFltData	1	ReadMtrDrvFltData	1	•
Rte_Call_Sa_MtrDrvDiag_loHwAbPortConfig_SetFetFlt2ToOutput	1	Rte_Call_Sa_MtrDrvDiag_loHwAbPortConfig_SetFetFlt2ToOutput	1	•
Rte_Call_Sa_MtrDrvDiag_FetFlt2Clk_OP_SET	1	Rte_Call_Sa_MtrDrvDiag_FetFlt2Clk_OP_SET	1	•
GateDrvWaitTime	1	GateDrvWaitTime Bto Coll So MtrDrvDing SystemTime CotSystemTime us us 22	1	
Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32 Rte_Call_Sa_MtrDrvDiag_SystemTime_DtrmnElapsedTime_uS_u16	1	Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32 Rte_Call_Sa_MtrDrvDiag_SystemTime_DtrmnElapsedTime_uS_u16	1	
Rte_Call_Sa_MtrDrvDiag_Systemmine_buminelapsed nine_us_u to	1	Rte_Call_Sa_MtrDrvDiag_FetFlt1Data_OP_GET	1	
Rte_Call_Sa_MtrDrvDiag_FetFlt2Clk_OP_SET	1	Rte Call Sa MtrDrvDiag FetFlt2Clk OP SET	1	
GateDrvWaitTime	1	GateDrvWaitTime	1	
Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32	1	Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32	1	
Rte_Call_Sa_MtrDrvDiag_SystemTime_DtrmnElapsedTime_uS_u16	1	Rte_Call_Sa_MtrDrvDiag_SystemTime_DtrmnElapsedTime_uS_u16	1	
Rte_Call_Sa_MtrDrvDiag_FetFlt2Clk_OP_SET	1	Rte Call Sa MtrDrvDiag FetFlt2Clk OP SET	1	٠,
GateDrvWaitTime	1	GateDrvWaitTime	1	
Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32	1	Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32	1	•
Rte_Call_Sa_MtrDrvDiag_SystemTime_DtrmnElapsedTime_uS_u16	1	Rte_Call_Sa_MtrDrvDiag_SystemTime_DtrmnElapsedTime_uS_u16	1	
Rte_Call_Sa_MtrDrvDiag_FetFlt1Data_OP_GET	1	Rte_Call_Sa_MtrDrvDiag_FetFlt1Data_OP_GET	1	•
Rte_Call_Sa_MtrDrvDiag_FetFlt2Clk_OP_SET	1	Rte_Call_Sa_MtrDrvDiag_FetFlt2Clk_OP_SET	1	•
GateDrvWaitTime	1	GateDrvWaitTime	1	
Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32	1	Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32	1	•
Rte_Call_Sa_MtrDrvDiag_SystemTime_DtrmnElapsedTime_uS_u16	1	Rte_Call_Sa_MtrDrvDiag_SystemTime_DtrmnElapsedTime_uS_u16	1	•
Rte_Call_Sa_MtrDrvDiag_FetFlt2Clk_OP_SET	1	Rte_Call_Sa_MtrDrvDiag_FetFlt2Clk_OP_SET	1	•
GateDrvWaitTime	1	GateDrvWaitTime	1	•
Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32	1	Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32	1	•
Rte_Call_Sa_MtrDrvDiag_SystemTime_DtrmnElapsedTime_uS_u16	253	Rte_Call_Sa_MtrDrvDiag_SystemTime_DtrmnElapsedTime_uS_u16	253	•
Rte_Call_Sa_MtrDrvDiag_FetFlt1Data_OP_GET	1	Rte_Call_Sa_MtrDrvDiag_FetFlt1Data_OP_GET	1	•
Rte_Call_Sa_MtrDrvDiag_FetFlt2Clk_OP_SET	1	Rte_Call_Sa_MtrDrvDiag_FetFlt2Clk_OP_SET	1	•
GateDrvWaitTime	1	GateDrvWaitTime	1	~
Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32	1	Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32	1	•
Rte_Call_Sa_MtrDrvDiag_SystemTime_DtrmnElapsedTime_uS_u16	1	Rte_Call_Sa_MtrDrvDiag_SystemTime_DtrmnElapsedTime_uS_u16	1	•
Rte_Call_Sa_MtrDrvDiag_FetFlt2Clk_OP_SET	1	Rte_Call_Sa_MtrDrvDiag_FetFlt2Clk_OP_SET	1	•
GateDrvWaitTime	1	GateDrvWaitTime	1	Ĭ
Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32 Rte_Call_Sa_MtrDrvDiag_SystemTime_DtrmnElapsedTime_uS_u16	1	Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32 Rte_Call_Sa_MtrDrvDiag_SystemTime_DtrmnElapsedTime_uS_u16	1	-
Rte_Call_Sa_MtrDrvDiag_SystemTime_DuminiciapsedTime_us_u16	1	Rte_Call_Sa_MtrDrvDiag_FetFlt1Data_OP_GET	1	
Rte_Call_Sa_MtrDrvDiag_FetFlt2Clk_OP_SET	1	Rte_Call_Sa_MtrDrvDiag_FetFlt2Clk_OP_SET	1	
GateDryWaitTime	1	GateDryWaitTime	1	
Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32	1	Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32	1	•
Rte_Call_Sa_MtrDrvDiag_SystemTime_DtrmnElapsedTime_uS_u16	1	Rte_Call_Sa_MtrDrvDiag_SystemTime_DtrmnElapsedTime_uS_u16	1	
Rte Call Sa MtrDrvDiag FetFlt2Clk OP SET	1	Rte_Call_Sa_MtrDrvDiag_FetFlt2Clk_OP_SET	1	•
GateDrvWaitTime	1	GateDrvWaitTime	1	_
Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32	1	Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32	1	-
Rte_Call_Sa_MtrDrvDiag_SystemTime_DtrmnElapsedTime_uS_u16	253	Rte_Call_Sa_MtrDrvDiag_SystemTime_DtrmnElapsedTime_uS_u16	253	-
Rte_Call_Sa_MtrDrvDiag_FetFlt1Data_OP_GET	1	Rte_Call_Sa_MtrDrvDiag_FetFlt1Data_OP_GET	1	-
Rte_Call_Sa_MtrDrvDiag_FetFlt2Clk_OP_SET	1	Rte_Call_Sa_MtrDrvDiag_FetFlt2Clk_OP_SET	1	-
GateDrvWaitTime	1	GateDrvWaitTime	1	-
Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32	1	Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32	1	-
Rte_Call_Sa_MtrDrvDiag_SystemTime_DtrmnElapsedTime_uS_u16	1	Rte_Call_Sa_MtrDrvDiag_SystemTime_DtrmnElapsedTime_uS_u16	1	•
Rte_Call_Sa_MtrDrvDiag_FetFlt2Clk_OP_SET	1	Rte_Call_Sa_MtrDrvDiag_FetFlt2Clk_OP_SET	1	-
GateDrvWaitTime	1	GateDrvWaitTime	1	-
Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32	1	Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32	1	•
Rte_Call_Sa_MtrDrvDiag_SystemTime_DtrmnElapsedTime_uS_u16	1	Rte_Call_Sa_MtrDrvDiag_SystemTime_DtrmnElapsedTime_uS_u16	1	•
Rte_Call_Sa_MtrDrvDiag_FetFlt1Data_OP_GET	1	Rte_Call_Sa_MtrDrvDiag_FetFlt1Data_OP_GET	1	•
Rte_Call_Sa_MtrDrvDiag_FetFlt2Clk_OP_SET	1	Rte_Call_Sa_MtrDrvDiag_FetFlt2Clk_OP_SET	1	•
GateDrvWaitTime	1	GateDrvWaitTime	1	•
Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32	1	Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32	1	•
Rte_Call_Sa_MtrDrvDiag_SystemTime_DtrmnElapsedTime_uS_u16	1	Rte_Call_Sa_MtrDrvDiag_SystemTime_DtrmnElapsedTime_uS_u16	1	•
Rte_Call_Sa_MtrDrvDiag_FetFlt2Clk_OP_SET	1	Rte_Call_Sa_MtrDrvDiag_FetFlt2Clk_OP_SET	1	•
GateDrvWaitTime	1	GateDrvWaitTime Pto Call Sa MtrDrvDiag SystemTime CotSystemTime uS u22	1	•
Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32 Rte_Call_Sa_MtrDrvDiag_SystemTime_DtrmnElapsedTime_uS_u16	253	Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32 Rte_Call_Sa_MtrDrvDiag_SystemTime_DtrmnElapsedTime_uS_u16	253	
Rte_Call_Sa_MtrDrvDiag_System Time_buttifficiapsed Time_us_u16 Rte_Call_Sa_MtrDrvDiag_FetFlt1Data_OP_GET	1	Rte_Call_Sa_MtrDrvDiag_FetFlt1Data_OP_GET	1	
Rte_Call_Sa_MtrDrvDlag_FetFit1Data_OP_GE1 Rte_Call_Sa_MtrDrvDlag_FetFit2Clk_OP_SET	1	Rte_Call_Sa_MtrDrvDiag_FetFlt2Clk_OP_SET	1	
GateDrvWaitTime	1	GateDrvWaitTime	1	
Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32	1	Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32	1	
Rte_Call_Sa_MtrDrvDiag_SystemTime_DtrmnElapsedTime_uS_u16	1	Rte_Call_Sa_MtrDrvDiag_SystemTime_DtrmnElapsedTime_uS_u16	1	
Rte_Call_Sa_MtrDrvDiag_System#inle_btmiliciapsed#inle_ds_dft0	1	Rte_Call_Sa_MtrDrvDiag_FetFlt2Clk_OP_SET	1	
GateDrvWaitTime	1	GateDrvWaitTime	1	
Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32	1	Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32	1	
Rte_Call_Sa_MtrDrvDiag_SystemTime_DtrmnElapsedTime_uS_u16	1	Rte_Call_Sa_MtrDrvDiag_SystemTime_DtrmnElapsedTime_uS_u16	1	•
Rte_Call_Sa_MtrDrvDiag_FetFlt1Data_OP_GET	1	Rte_Call_Sa_MtrDrvDiag_FetFlt1Data_OP_GET	1	
			1	•
Rte_Call_Sa_MtrDrvDiag_FetFlt2Clk_OP_SET	1	Rte_Call_Sa_MtrDrvDiag_FetFlt2Clk_OP_SET		

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Actual Function	Count	Expected Function	Count	Result
Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32	1	Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32	1	~
Rte_Call_Sa_MtrDrvDiag_SystemTime_DtrmnElapsedTime_uS_u16	1	Rte_Call_Sa_MtrDrvDiag_SystemTime_DtrmnElapsedTime_uS_u16	1	~
Rte_Call_Sa_MtrDrvDiag_FetFlt2Clk_OP_SET	1	Rte_Call_Sa_MtrDrvDiag_FetFlt2Clk_OP_SET	1	~
GateDrvWaitTime	1	GateDrvWaitTime	1	~
Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32	1	Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32	1	•
Rte_Call_Sa_MtrDrvDiag_SystemTime_DtrmnElapsedTime_uS_u16	253	Rte_Call_Sa_MtrDrvDiag_SystemTime_DtrmnElapsedTime_uS_u16	253	•
Rte_Call_Sa_MtrDrvDiag_FetFlt1Data_OP_GET	1	Rte_Call_Sa_MtrDrvDiag_FetFlt1Data_OP_GET	1	~
Rte_Call_Sa_MtrDrvDiag_FetFlt2Clk_OP_SET	1	Rte_Call_Sa_MtrDrvDiag_FetFlt2Clk_OP_SET	1	~
GateDrvWaitTime	1	GateDrvWaitTime	1	~
Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32	1	Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32	1	~
Rte_Call_Sa_MtrDrvDiag_SystemTime_DtrmnElapsedTime_uS_u16	1	Rte_Call_Sa_MtrDrvDiag_SystemTime_DtrmnElapsedTime_uS_u16	1	~
Rte_Call_Sa_MtrDrvDiag_FetFlt2Clk_OP_SET	1	Rte_Call_Sa_MtrDrvDiag_FetFlt2Clk_OP_SET	1	~
GateDrvWaitTime	1	GateDrvWaitTime	1	•
Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32	1	Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32	1	•
Rte_Call_Sa_MtrDrvDiag_SystemTime_DtrmnElapsedTime_uS_u16	1	Rte_Call_Sa_MtrDrvDiag_SystemTime_DtrmnElapsedTime_uS_u16	1	•
Rte_Call_Sa_MtrDrvDiag_FetFlt1Data_OP_GET	1	Rte_Call_Sa_MtrDrvDiag_FetFlt1Data_OP_GET	1	~
Rte_Call_Sa_MtrDrvDiag_FetFlt2Clk_OP_SET	1	Rte_Call_Sa_MtrDrvDiag_FetFlt2Clk_OP_SET	1	~
GateDrvWaitTime	1	GateDrvWaitTime	1	~
Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32	1	Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32	1	~
Rte_Call_Sa_MtrDrvDiag_SystemTime_DtrmnElapsedTime_uS_u16	1	Rte_Call_Sa_MtrDrvDiag_SystemTime_DtrmnElapsedTime_uS_u16	1	~
Rte_Call_Sa_MtrDrvDiag_IoHwAbPortConfig_SetFetFlt2ToOutput	1	Rte_Call_Sa_MtrDrvDiag_IoHwAbPortConfig_SetFetFlt2ToOutput	1	~

Test Step 3.6 (Repeat Count = 1)			✓
Name	Input Value		
GenGateDriveFltAccPtr_Cnt_T_u16	target_GenGateDriveFltAccPtr_Cnt_T_u16		
OnStateFltAccPtr_Cnt_T_u16	target_OnStateFltAccPtr_Cnt_T_u16		
Rte_Call_Sa_MtrDrvDiag_NxtrDiagMgr_GetNTCFailed(NTCFailed_Ptr_T_lgc)	target_Rte_Call_Sa_MtrDrvDiag_NxtrDiagMgr_GetNTCFailed_NTCFailed_Ptr_T_lgc		
Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32(CurrentTime)	target_Rte_Call_Sa_MtrDrvDiag_SystemTim	e_GetSystemTime_uS_u32_CurrentTime	
SVDiag_FETFaultPhase_Cnt_M_enum	2		
SVDiag_FETFaultType_Cnt_M_enum	0		
SVDiag_ResetWaitLoop_Cnt_M_lgc	1		
k_OnStateDiag_Cnt_str.Threshold	455		
k_OnStateDiag_Cnt_str.PStep	376		
target_GenGateDriveFltAccPtr_Cnt_T_u16	200		
target_OnStateFitAccPtr_Cnt_T_u16	134		
$target_Rte_Call_Sa_MtrDrvDiag_NxtrDiagMgr_GetNTCFailed_NTCFailed_Ptr_T_lg$	0		
target_Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32_CurrentTire	4294967295		
Name	Actual Value	Expected Value	Result
Rte_Call_Sa_MtrDrvDiag_NxtrDiagMgr_SetNTCStatus(NTC_Cnt_T_enum)	77	77	~
Rte_Call_Sa_MtrDrvDiag_NxtrDiagMgr_SetNTCStatus(Param_Cnt_T_u08)	2	2	~
Rte_Call_Sa_MtrDrvDiag_NxtrDiagMgr_SetNTCStatus(Status_Cnt_T_enum)	1	1	-
SVDiag_FETFaultPhase_Cnt_M_enum	0	0	~
SVDiag_FETFaultType_Cnt_M_enum	0	0	-
SVDiag_ResetWaitLoop_Cnt_M_lgc	1	1	~
target_GenGateDriveFltAccPtr_Cnt_T_u16	100	100	~
target_OnStateFltAccPtr_Cnt_T_u16	0	0	~

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Actual Function		Expected Function	Count	Result
Rte_Call_Sa_MtrDrvDiag_NxtrDiagMgr_GetNTCFailed	1	Rte_Call_Sa_MtrDrvDiag_NxtrDiagMgr_GetNTCFailed	1	~
ReadMtrDrvFltData	1	ReadMtrDrvFltData	1	~
Rte_Call_Sa_MtrDrvDiag_loHwAbPortConfig_SetFetFlt2ToOutput Rte_Call_Sa_MtrDrvDiag_FetFlt2Clk_OP_SET	1	Rte_Call_Sa_MtrDrvDiag_IoHwAbPortConfig_SetFetFlt2ToOutput Rte_Call_Sa_MtrDrvDiag_FetFlt2Clk_OP_SET	1	~
GateDrvWaitTime	1	GateDrvWaitTime	1	
Rte Call Sa MtrDrvDiag SystemTime GetSystemTime uS u32	1	Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32	1	~
Rte_Call_Sa_MtrDrvDiag_SystemTime_DtrmnElapsedTime_uS_u16	1	Rte_Call_Sa_MtrDrvDiag_SystemTime_DtrmnElapsedTime_uS_u16	1	~
Rte_Call_Sa_MtrDrvDiag_FetFlt1Data_OP_GET	1	Rte_Call_Sa_MtrDrvDiag_FetFlt1Data_OP_GET	1	•
Rte_Call_Sa_MtrDrvDiag_FetFlt2Clk_OP_SET	1	Rte_Call_Sa_MtrDrvDiag_FetFlt2Clk_OP_SET	1	~
GateDrvWaitTime	1	GateDrvWaitTime	1	~
Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32	1	Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32	1	~
Rte_Call_Sa_MtrDrvDiag_SystemTime_DtrmnElapsedTime_uS_u16	1	Rte_Call_Sa_MtrDrvDiag_SystemTime_DtrmnElapsedTime_uS_u16	1	~
Rte_Call_Sa_MtrDrvDiag_FetFlt2Clk_OP_SET	1	Rte_Call_Sa_MtrDrvDiag_FetFlt2Clk_OP_SET	1	•
GateDrvWaitTime Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32	1	GateDrvWaitTime Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32	1	
Rte_Call_Sa_MtrDrvDiag_SystemTime_DtrmnElapsedTime_uS_u16	1	Rte_Call_Sa_MtrDrvDiag_SystemTime_DtrmnElapsedTime_uS_u16	1	~
Rte_Call_Sa_MtrDrvDiag_FetFlt1Data_OP_GET	1	Rte_Call_Sa_MtrDrvDiag_FetFlt1Data_OP_GET	1	•
Rte_Call_Sa_MtrDrvDiag_FetFlt2Clk_OP_SET	1	Rte_Call_Sa_MtrDrvDiag_FetFlt2Clk_OP_SET	1	~
GateDrvWaitTime	1	GateDrvWaitTime	1	~
Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32	1	Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32	1	•
Rte_Call_Sa_MtrDrvDiag_SystemTime_DtrmnElapsedTime_uS_u16	1	Rte_Call_Sa_MtrDrvDiag_SystemTime_DtrmnElapsedTime_uS_u16	1	~
Rte_Call_Sa_MtrDrvDiag_FetFlt2Clk_OP_SET	1	Rte_Call_Sa_MtrDrvDiag_FetFlt2Clk_OP_SET	1	~
GateDrvWaitTime	1	GateDrvWaitTime	1	•
Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32 Rte_Call_Sa_MtrDrvDiag_SystemTime_DtrmnElapsedTime_uS_u16	1 253	Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32	1 253	~
Rte Call Sa MtrDrvDiag FetFlt1Data OP GET	1	Rte_Call_Sa_MtrDrvDiag_SystemTime_DtrmnElapsedTime_uS_u16 Rte_Call_Sa_MtrDrvDiag_FetFlt1Data_OP_GET	1	~
Rte Call Sa MtrDrvDiag FetFlt2Clk OP SET	1	Rte_Call_Sa_MtrDrvDiag_FetFlt2Clk_OP_SET	1	
GateDrvWaitTime	1	GateDrvWaitTime	1	~
Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32	1	Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32	1	~
Rte_Call_Sa_MtrDrvDiag_SystemTime_DtrmnElapsedTime_uS_u16	1	Rte_Call_Sa_MtrDrvDiag_SystemTime_DtrmnElapsedTime_uS_u16	1	•
Rte_Call_Sa_MtrDrvDiag_FetFlt2Clk_OP_SET	1	Rte_Call_Sa_MtrDrvDiag_FetFlt2Clk_OP_SET	1	~
GateDrvWaitTime	1	GateDrvWaitTime	1	•
Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32	1	Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32	1	~
Rte_Call_Sa_MtrDrvDiag_SystemTime_DtrmnElapsedTime_uS_u16	1	Rte_Call_Sa_MtrDrvDiag_SystemTime_DtrmnElapsedTime_uS_u16	1	~
Rte_Call_Sa_MtrDrvDiag_FetFlt1Data_OP_GET	1	Rte_Call_Sa_MtrDrvDiag_FetFlt1Data_OP_GET	1	~
Rte_Call_Sa_MtrDrvDiag_FetFlt2Clk_OP_SET	1	Rte_Call_Sa_MtrDrvDiag_FetFlt2Clk_OP_SET	1	~
GateDrvWaitTime Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32	1	GateDrvWaitTime Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32	1	~
Rte Call Sa MtrDrvDiag SystemTime DtrmnElapsedTime uS u16	1	Rte_Call_Sa_MtrDrvDiag_SystemTime_DtrmnElapsedTime_uS_u16	1	
Rte_Call_Sa_MtrDrvDiag_FetFlt2Clk_OP_SET	1	Rte_Call_Sa_MtrDrvDiag_FetFlt2Clk_OP_SET	1	V
GateDrvWaitTime	1	GateDrvWaitTime	1	~
Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32	1	Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32	1	~
Rte_Call_Sa_MtrDrvDiag_SystemTime_DtrmnElapsedTime_uS_u16	253	Rte_Call_Sa_MtrDrvDiag_SystemTime_DtrmnElapsedTime_uS_u16	253	~
Rte_Call_Sa_MtrDrvDiag_FetFlt1Data_OP_GET	1	Rte_Call_Sa_MtrDrvDiag_FetFlt1Data_OP_GET	1	•
Rte_Call_Sa_MtrDrvDiag_FetFlt2Clk_OP_SET	1	Rte_Call_Sa_MtrDrvDiag_FetFlt2Clk_OP_SET	1	~
GateDrvWaitTime	1	GateDrvWaitTime	1	~
Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32 Rte_Call_Sa_MtrDrvDiag_SystemTime_DtrmnElapsedTime_uS_u16	1	Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32 Rte_Call_Sa_MtrDrvDiag_SystemTime_DtrmnElapsedTime_uS_u16	1	~
Rte Call Sa MtrDrvDiag FetFlt2Clk OP SET	1	Rte Call Sa MtrDrvDiag FetFlt2Clk OP SET	1	
GateDrvWaitTime	1	GateDrvWaitTime	1	•
Rte Call Sa MtrDrvDiag SystemTime GetSystemTime uS u32	1	Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32	1	•
Rte_Call_Sa_MtrDrvDiag_SystemTime_DtrmnElapsedTime_uS_u16	1	Rte_Call_Sa_MtrDrvDiag_SystemTime_DtrmnElapsedTime_uS_u16	1	~
Rte_Call_Sa_MtrDrvDiag_FetFlt1Data_OP_GET	1	Rte_Call_Sa_MtrDrvDiag_FetFlt1Data_OP_GET	1	~
Rte_Call_Sa_MtrDrvDiag_FetFlt2Clk_OP_SET	1	Rte_Call_Sa_MtrDrvDiag_FetFlt2Clk_OP_SET	1	~
GateDrvWaitTime	1	GateDrvWaitTime	1	~
Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32	1	Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32	1	~
Rte_Call_Sa_MtrDrvDiag_SystemTime_DtrmnElapsedTime_uS_u16	1	Rte_Call_Sa_MtrDrvDiag_SystemTime_DtrmnElapsedTime_uS_u16	1	V
Rte_Call_Sa_MtrDrvDiag_FetFlt2Clk_OP_SET GateDrvWaitTime	1	Rte_Call_Sa_MtrDrvDiag_FetFlt2Clk_OP_SET GateDrvWaitTime	1	V
Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32	1	Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32	1	~
Rte_Call_Sa_MtrDrvDiag_SystemTime_DtrmnElapsedTime_uS_u16	253	Rte_Call_Sa_MtrDrvDiag_SystemTime_DtrmnElapsedTime_uS_u16	253	-
Rte_Call_Sa_MtrDrvDiag_FetFlt1Data_OP_GET	1	Rte_Call_Sa_MtrDrvDiag_FetFlt1Data_OP_GET	1	~
Rte_Call_Sa_MtrDrvDiag_FetFlt2Clk_OP_SET	1	Rte_Call_Sa_MtrDrvDiag_FetFlt2Clk_OP_SET	1	~
GateDrvWaitTime	1	GateDrvWaitTime	1	~
Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32	1	Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32	1	•
Rte_Call_Sa_MtrDrvDiag_SystemTime_DtrmnElapsedTime_uS_u16	1	Rte_Call_Sa_MtrDrvDiag_SystemTime_DtrmnElapsedTime_uS_u16	1	•
Rte_Call_Sa_MtrDrvDiag_FetFlt2Clk_OP_SET	1	Rte_Call_Sa_MtrDrvDiag_FetFlt2Clk_OP_SET	1	~
GateDrvWaitTime	1	GateDrvWaitTime	1	V
Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32	1	Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32	1	V
Dto Coll Co MtsDn Dion Contractions Dto 51 17 C	1	Rte_Call_Sa_MtrDrvDiag_SystemTime_DtrmnElapsedTime_uS_u16	1	✓
Rte_Call_Sa_MtrDrvDiag_SystemTime_DtrmnElapsedTime_uS_u16			4	
Rte_Call_Sa_MtrDrvDiag_SystemTime_DtrmnElapsedTime_uS_u16 Rte_Call_Sa_MtrDrvDiag_FetFlt1Data_OP_GET Rte_Call_Sa_MtrDrvDiag_FetFlt2Clk_OP_SET	1	Rte_Call_Sa_MtrDrvDiag_FetFlt1Data_OP_GET Rte_Call_Sa_MtrDrvDiag_FetFlt2Clk_OP_SET	1	~

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Actual Function	Count	Expected Function	Count	Result
Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32	1	Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32	1	~
Rte_Call_Sa_MtrDrvDiag_SystemTime_DtrmnElapsedTime_uS_u16	1	Rte_Call_Sa_MtrDrvDiag_SystemTime_DtrmnElapsedTime_uS_u16	1	~
Rte_Call_Sa_MtrDrvDiag_FetFlt2Clk_OP_SET	1	Rte_Call_Sa_MtrDrvDiag_FetFlt2Clk_OP_SET	1	•
GateDrvWaitTime	1	GateDrvWaitTime	1	~
Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32	1	Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32	1	~
Rte_Call_Sa_MtrDrvDiag_SystemTime_DtrmnElapsedTime_uS_u16	253	Rte_Call_Sa_MtrDrvDiag_SystemTime_DtrmnElapsedTime_uS_u16	253	~
Rte_Call_Sa_MtrDrvDiag_FetFlt1Data_OP_GET	1	Rte_Call_Sa_MtrDrvDiag_FetFlt1Data_OP_GET	1	•
Rte_Call_Sa_MtrDrvDiag_FetFlt2Clk_OP_SET	1	Rte_Call_Sa_MtrDrvDiag_FetFlt2Clk_OP_SET	1	~
GateDrvWaitTime	1	GateDrvWaitTime	1	•
Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32	1	Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32	1	~
Rte_Call_Sa_MtrDrvDiag_SystemTime_DtrmnElapsedTime_uS_u16	1	Rte_Call_Sa_MtrDrvDiag_SystemTime_DtrmnElapsedTime_uS_u16	1	•
Rte_Call_Sa_MtrDrvDiag_FetFlt2Clk_OP_SET	1	Rte_Call_Sa_MtrDrvDiag_FetFlt2Clk_OP_SET	1	~
GateDrvWaitTime	1	GateDrvWaitTime	1	•
Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32	1	Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32	1	~
Rte_Call_Sa_MtrDrvDiag_SystemTime_DtrmnElapsedTime_uS_u16	1	Rte_Call_Sa_MtrDrvDiag_SystemTime_DtrmnElapsedTime_uS_u16	1	•
Rte_Call_Sa_MtrDrvDiag_FetFlt1Data_OP_GET	1	Rte_Call_Sa_MtrDrvDiag_FetFlt1Data_OP_GET	1	~
Rte_Call_Sa_MtrDrvDiag_FetFlt2Clk_OP_SET	1	Rte_Call_Sa_MtrDrvDiag_FetFlt2Clk_OP_SET	1	•
GateDrvWaitTime	1	GateDrvWaitTime	1	~
Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32	1	Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32	1	•
Rte_Call_Sa_MtrDrvDiag_SystemTime_DtrmnElapsedTime_uS_u16	1	Rte_Call_Sa_MtrDrvDiag_SystemTime_DtrmnElapsedTime_uS_u16	1	•
Rte_Call_Sa_MtrDrvDiag_IoHwAbPortConfig_SetFetFlt2ToOutput	1	Rte_Call_Sa_MtrDrvDiag_IoHwAbPortConfig_SetFetFlt2ToOutput	1	•
Rte_Call_Sa_MtrDrvDiag_NxtrDiagMgr_SetNTCStatus	1	Rte_Call_Sa_MtrDrvDiag_NxtrDiagMgr_SetNTCStatus	1	~

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 Project
 MtrDrvDiag

 Module
 MtrDrvDiag

 Test Object
 MtrDrvDiag_Trns1

Instrumentation: Test Object Only

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

Statistics

Total Testcases	1	
Successful	1	~
Failed	0	
Not Executed	0	

Module Properties

Project Root Directory	D:\Synergy_Work_Area\CBD_MtrDrvDiag
Configuration File	D:\Synergy_Work_Area\CBD_MtrDrvDiag\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)\MtrDrvDiag\src\Sa_MtrDrvDiag.c
Compiler Options	-Dconst= -D_DATA_ACCESS= -DSKIP_MAGIC_NUMBER= -Dstatic= -I\$(PROJECTROOT)\NxtrLib\include -I\$(PROJECTROOT)\StdDef \include -I\$(PROJECTROOT)\MtrDrvDiag\utp\contract -I\$(Compiler Install Path)\include

Name	Text
Module 'MtrDrvDiag'	Name of Tester: Spoorti Mali Code File(s) Under Test: Sa_MtrDrvDiag.c Code File(s) Version: 22 Module Design Document:Motor_Driver_Diagnostics_MDD.doc Module Design Document Version: 11 Data Dictionary Version: 11 Unit Test Plan Version: 3 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 1.31 Total FLASH Used (Bytes): 1334 Total RAM Used (Bytes): 137 Total CALS Used (Bytes): 50 Special Test Requirements: Test Date:01-29-2015 Comments: Note 1:Inline function defined in ""Gloabalmacro.h"" is not unit Tested.
	Note 2:In ""GateDrvWaitTime" function extra code is added in VBA, to exit the while loop and to replicate the usercode functionality of TESSY.
	Note 3:In ""ReadMtrDrvFitData""function, ""DataHigh_Cnt_T_lgc"" temporary variable and ""Rte_Call_SystemTime_DtrmnElapsedTime_uS_u16"" stub are used as ""DataHigh_Cnt_T_lgc_Array[10]"" and ""Rte_Call_FetFit1Data_OP_GET_Array[11]"" to replicate the usercode functionality of TESSY.
	Note 4:In functions ""ProcGateDriveFit"", ""ProcBridgeFit"", ""MtrDrvDiag_Per1"",""ReadMtrDrvFltData"" functions, ""Rte_Call_SystemTime_DtrmnElapsedTime_uS_u16""is not tested with its Min value, to avoid the infinite loop.
	Note 5:""CBD_Sandbox_dbg.map"" file is embedded for reference."

Attributes		
Name	Value	
Compiler Install Path	\$(ProgramFiles)\Texas Instruments\ccsv4\tools\compiler\tms470_4.9.5	
Float Precision	9	
InitObjDir	<pre>\$(PROJECTROOT)\UnitTestEnv\static_build_files\obj</pre>	

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MtrDrvDiag_Trns1



Attributes		
Name	Value	
InitSrcDir	\$(PROJECTROOT)\UnitTestEnv\static_build_files\src	
Linker File	<pre>\$(PROJECTROOT)\UnitTestEnv\static_build_files\sys_link.cmd</pre>	
Makefile Template	\$(PROJECTROOT)\UnitTestEnv\config\Nexteer_ts_make_ude_ti_tms570_ps.tpl	
Target Install Path	\$(ProgramFiles)\pls	
Time Unit	Cycles	
Timer Enabled	false	
Timer Prescale	0	
Timer Resolution		
UDE Config File	\$(PROJECTROOT)\UnitTestEnv\config\TMS570_UDE_12PIN_JTAG.ofg	
Workspace File	D:\Synergy_Work_Area\CBD_MtrDrvDiag\UnitTestEnv\config\UDE_TMS570_DEBUG.WSP	



Test Case 1: Path Test

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

TC1.1 610 Cycles

Description Vector Description

TS1.1 Check for Call Trace

Test Step 1.1 (Repeat Count = 1)			
Name	Input Value		
Rte_Inst_Sa_MtrDrvDiag	tgt_Rte_Inst_Sa_MtrDrvDiag		
tgt_Rte_Inst_Sa_MtrDrvDiag.MtrDrvDiag_Per1_GateDriveResetActive_Cnt_Igc	1		
tgt_Rte_Inst_Sa_MtrDrvDiag.MtrDrvDiag_Trns1_MtrDrvrInitComplete_Cnt_lgc	tgt_MtrDrvDiag_Trns1_MtrDrvrInitComplete_Cnt_lgc		
Name	Actual Value	Expected Value	Result
Rte_Call_Sa_MtrDrvDiag_FetDrvReset_OP_SET(signal)	1	1	~
SVDiag_GateDriveFltAcc_Cnt_M_u16	0	0 ± 1	•
SVDiag_GenGateDriveFltAcc_Cnt_M_u16	0	0 ± 1	~
SVDiag_MtrDrvInitComp_Cnt_M_lgc	0	0	•
SVDiag_OnStateFltAcc_Cnt_M_u16	0	0 ± 1	•
tgt_MtrDrvDiag_Trns1_MtrDrvrInitComplete_Cnt_lgc.value	0	0	•

Test Step Call Trace				
Actual Function	Count	Expected Function	Count	Result
Rte_Call_Sa_MtrDrvDiag_FetDrvReset_OP_SET	1	Rte_Call_Sa_MtrDrvDiag_FetDrvReset_OP_SET	1	~