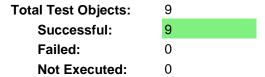
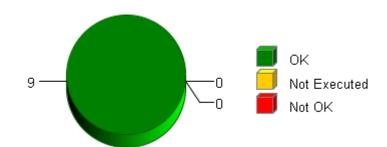


#### **Summary**

### **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**

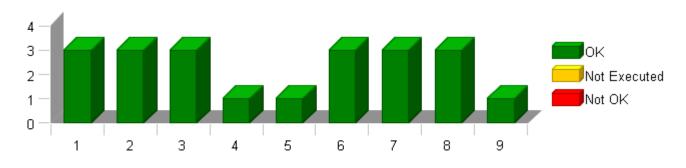
Check Interface: No
Generate Driver: Yes
Execute Test: Yes
Create New Test Run: No

Instrumentation: Test Object Only

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

Decision Coverage, Multiple Condition Coverage

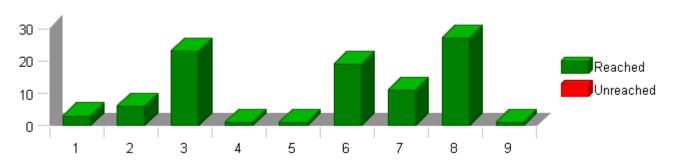
### **Test Case Results for Each Test Object (without Coverage)**





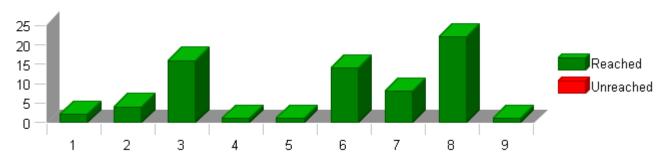
The table above shows each test object on the x axis and the number of test cases of the respective test object on the y axis. Each bar is divided into passed, not executed and failed test cases. The test case results do not take into account any coverage result (i.e. if all test cases of a test object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



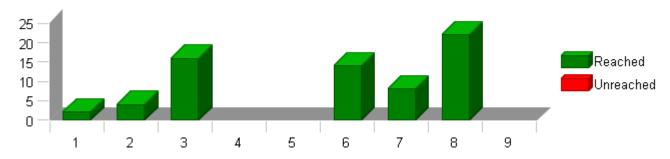
The table above shows each test object on the x axis and the number of statements of the respective test object on the y axis. Each bar is divided into reached statements (i.e. statements that have been executed during the test) and unreached statements.

## 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**

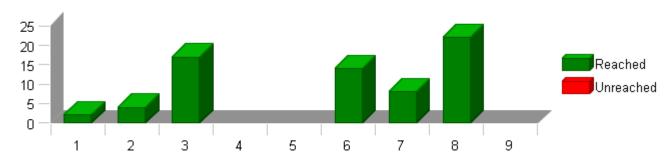


The table above shows test objects on the x axis and the number of possible outcomes of all decisions of the respective test object on the y axis. To achieve full DC coverage, each decision must evaluate to both true and false.

Each bar is divided into reached and unreached decision outcomes.



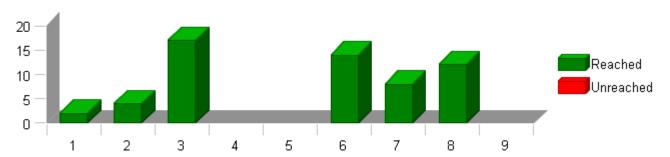
### MC/DC Coverage: Total Condition Combinations for Each Test Object



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 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	ReadMtrDrvFltData	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.xn	
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  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

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

TC1.1 1817.00 Cycles

Description Vector Description

TS1.1 Check for Call Trace

Test Step 1.1 (Repeat Count = 1)	<b>✓</b>
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

<b>√</b>				
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	~

MotorDriverInit

2015-01-29, 18:54:36+0530



 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_Cor	
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 FI ASH Used (Kyres): 1334

Model Version:Nexteer EPS Unit 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 ""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 ""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	\$(PROJECTROOT)\UnitTestEnv\static_build_files\obj
InitSrcDir	\$(PROJECTROOT)\UnitTestEnv\static_build_files\src
Linker File	<pre>\$(PROJECTROOT)\UnitTestEnv\static_build_files\sys_link.cmd</pre>
Makefile Template	\$(PROJECTROOT)\UnitTestEnv\config\Nexteer_ts_make_ude_ti_tms570_ps.tpl
Target Install Path	<pre>\$(ProgramFiles)\pls</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: 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)			<b>✓</b>
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		
$target\_Rte\_Call\_Sa\_MtrDrvDiag\_SystemTime\_DtrmnElapsedTime\_mS\_u16\_ElapsetElaps$	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	~

Т				
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(ElapsedTine_	ne) target_Rte_Call_Sa_MtrDrvDiag_SystemTir	me_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	3125		
target_Rte_Call_Sa_MtrDrvDiag_SystemTime_DtrmnElapsedTime_mS_u16_Elaps	ose 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	-

au				
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 TC2.2 251 Cycles TC2.3 505 Cycles TC2.4 505 Cycles TC2.5 505 Cycles TC2.6 505 Cycles TC2.7 505 Cycles TC2.8 505 Cycles TC2.9 251 Cycles TC2.10 505 Cycles TC2.11 251 Cycles TC2.11 251 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 TS2.53VDiag\_MtrDrvInitStartTime\_mS\_M\_u32p0=nox TS2.55VDiag\_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)			Ť
Name	Input Value		
$Rte\_Call\_Sa\_MtrDrvDiag\_SystemTime\_DtrmnElapsedTime\_mS\_u16 (ElapsedTime\_mSu16 (ElapsedTi$	me) target_Rte_Call_Sa_MtrDrvDiag_System1	ime_DtrmnElapsedTime_mS_u16_ElapsedTime	ne
$Rte\_Call\_Sa\_MtrDrvDiag\_SystemTime\_GetSystemTime\_mS\_u32(CurrentTime)$	tgt_Rte_Call_Sa_MtrDrvDiag_SystemTime	e_GetSystemTime_mS_u32_Curr	
Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32(CurrentTime)	tgt_Rte_Call_Sa_MtrDrvDiag_SystemTime	e_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_Ela	pse 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	Ō	0	•
SVDiag MtrDryInitStartTime mS M u32n0	6653	6653 + 1	

Τ				V
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_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		
$target\_Rte\_Call\_Sa\_MtrDrvDiag\_SystemTime\_DtrmnElapsedTime\_mS\_u16\_ElapsedTime\_mS_u16\_Ela$	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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747 ± 1

MotorDriverInit	,	RAZC
Name	Actual Value	Expected Value
SVDiag_MtrDrvInitStartTime_mS_M_u32p0	747	747 ± 1

Т				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	<b>✓</b>
GateDrvWaitTime	1	GateDrvWaitTime	1	~
Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32	1	Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_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		
$Rte\_Call\_Sa\_MtrDrvDiag\_SystemTime\_DtrmnElapsedTime\_mS\_u16 (ElapsedTime\_mS_u16 (Elaps$	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	0		
$target\_Rte\_Call\_Sa\_MtrDrvDiag\_SystemTime\_DtrmnElapsedTime\_mS\_u16\_ElapsedTime\_mS_u16\_Ela$	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	Ō	0	~
SVDiag_MtrDrvInitStartTime_mS_M_u32p0	6653	6653 ± 1	~

Т				V
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)			<b>✓</b>
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		
$target\_Rte\_Call\_Sa\_MtrDrvDiag\_SystemTime\_DtrmnElapsedTime\_mS\_u16\_ElapsetElaps$	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	~



Т	Τ			
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_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	~

Τ				
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(ElapsedT	ime) target_Rte_Call_Sa_MtrDrvDia	_SystemTime_DtrmnElapsedTime_mS_u16_Elap	osedTime
Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_mS_u32(CurrentTime	tgt_Rte_Call_Sa_MtrDrvDiag_S	ystemTime_GetSystemTime_mS_u32_Curr	
Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32(CurrentTime)	tgt_Rte_Call_Sa_MtrDrvDiag_S	ystemTime_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_El	apse 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	0	0	~
SVDiag MtrDrvInitStartTime mS M u32p0	0	0 ± 1	<b>✓</b>



T	T ✓				
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	<b>~</b>	
Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32	1	Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32	1	~	
Rte_Call_Sa_MtrDrvDiag_SystemTime_DtrmnElapsedTime_uS_u16	1	Rte_Call_Sa_MtrDrvDiag_SystemTime_DtrmnElapsedTime_uS_u16	1	<b>✓</b>	
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		
$target\_Rte\_Call\_Sa\_MtrDrvDiag\_SystemTime\_DtrmnElapsedTime\_mS\_u16\_ElapsedTime\_mSu16$	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	~

_				
				✓
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	<b>✓</b>
Rte_Call_Sa_MtrDrvDiag_FetDrvReset_OP_SET	1	Rte_Call_Sa_MtrDrvDiag_FetDrvReset_OP_SET	1	~
GateDrvWaitTime	1	GateDrvWaitTime	1	<b>✓</b>
Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32	1	Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_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	<b>✓</b>

Test Step 2.8 (Repeat Count = 1)			V
Name	Input Value		
Rte_Call_Sa_MtrDrvDiag_SystemTime_DtrmnElapsedTime_mS_u16(ElapsedTime_	e) target_Rte_Call_Sa_MtrDrvDiag_SystemTir	me_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	s∈ 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	<b>✓</b>



T				
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	<b>✓</b>
Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32	1	Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32	1	<b>~</b>
Rte_Call_Sa_MtrDrvDiag_SystemTime_DtrmnElapsedTime_uS_u16	1	Rte_Call_Sa_MtrDrvDiag_SystemTime_DtrmnElapsedTime_uS_u16	1	<b>✓</b>
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_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	832		
target_Rte_Call_Sa_MtrDrvDiag_SystemTime_DtrmnElapsedTime_mS_u16_Elaps	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	~

T				<b>✓</b>
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	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	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	~	

T				
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	<b>~</b>
ResetGateDrive	1	ResetGateDrive	1	<b>~</b>
SuspendAllInterrupts	1	SuspendAllInterrupts	1	<b>✓</b>
Rte_Call_Sa_MtrDrvDiag_FetDrvReset_OP_SET	1	Rte_Call_Sa_MtrDrvDiag_FetDrvReset_OP_SET	1	~
GateDrvWaitTime	1	GateDrvWaitTime	1	<b>✓</b>
Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32	1	Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_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_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	344		
$target\_Rte\_Call\_Sa\_MtrDrvDiag\_SystemTime\_DtrmnElapsedTime\_mS\_u16\_ElapsedTime\_mS_u16\_Ela$	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	~

T				
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	<b>✓</b>
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_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	0		
target_Rte_Call_Sa_MtrDrvDiag_SystemTime_DtrmnElapsedTime_mS_u16_Elaps	se 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	•

T						
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	<b>✓</b>		

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_	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	4294967295		
$target\_Rte\_Call\_Sa\_MtrDrvDiag\_SystemTime\_DtrmnElapsedTime\_mS\_u16\_ElapsedTime\_mS_u16\_Ela$	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	<b>✓</b>
SVDiag_MtrDrvInitStartTime_mS_M_u32p0	4294967295	4294967295 ± 1	~



T				
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	<b>✓</b>
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	<b>✓</b>
ResumeAllInterrupts	1	ResumeAllInterrupts	1	~

#### **Test Case 3: Path Test**

Specification

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

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

Description

Vector Description

 $\label{thm:continuous} TS3.1" If (False = SVDiag_MtrDrvInitActive\_Cnt_M_lgc)) => True \\ If (ElapsedTime_mS_T_u16p0 > k_GateDrvInitDwellTime_mS_u16p0) => True" \\ TS3.2" If (False = SVDiag_MtrDrvInitActive_Cnt_M_lgc) => False \\ [TS4.2"]$ 

 $TS3.3If \ (ElapsedTime\_mS\_T\_u16p0 > k\_GateDrvInitDwellTime\_mS\_u16p0) => False$ 

Name	Input Value		
Rte_Call_Sa_MtrDrvDiag_SystemTime_DtrmnElapsedTime_mS_u16(ElapsedTime	•	ne_DtrmnElapsedTime_mS_u16_ElapsedTime	
Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_mS_u32(CurrentTime)	tgt_Rte_Call_Sa_MtrDrvDiag_SystemTime_0		
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_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	•

Τ				V
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	<b>✓</b>
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 3.2 (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		
$target\_Rte\_Call\_Sa\_MtrDrvDiag\_SystemTime\_DtrmnElapsedTime\_mS\_u16\_ElapsetElaps$	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	~

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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	~

Т			<b>✓</b>	
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	<b>~</b>
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)			<b>✓</b>
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	SVDiag_MtrDrvInitStartTime_mS_M_u32p0 832		
target_Rte_Call_Sa_MtrDrvDiag_SystemTime_DtrmnElapsedTime_mS_u16_Elapse 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	~

T				<b>✓</b>
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 %
<b>Decision Coverage</b>	100 %
Branch (C1) Coverage	100 %
MCC Coverage	100 %
MC/DC Coverage	100 %

#### **Statistics**

Total Testcases	3	
Successful	3	<b>~</b>
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

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

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

T				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	<b>✓</b>

Test Step 1.2 (Repeat Count = 1)	<b>✓</b>
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	500000000

T				<b>✓</b>
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)	✓
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

T				<b>✓</b>
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)	<b>✓</b>
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

Т				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	<b>✓</b>

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

T				<b>✓</b>
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)	<b>✓</b>
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

T				<b>✓</b>
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)	<b>✓</b>
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

T				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	<b>✓</b>

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

T				<b>✓</b>
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	<b>✓</b>

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

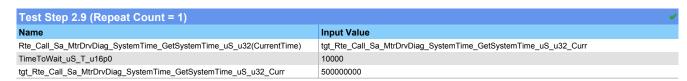
T				V
Actual Function	Count	Expected Function	Count	Result
Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32	1	Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32	1	~
Rte_Call_Sa_MtrDrvDiag_SystemTime_DtrmnElapsedTime_uS_u16	1	Rte_Call_Sa_MtrDrvDiag_SystemTime_DtrmnElapsedTime_uS_u16	1	•

Test Step 2.8 (Repeat Count = 1)	<b>✓</b>
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

T				<b>✓</b>
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	•



GateDrvWaitTime



T				<b>✓</b>
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)	<b>✓</b>
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

T				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

T				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	<b>✓</b>

#### Test Case 3: Path Test

Specification

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

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GateDrvWaitTime

Name	Input Value
tgt_Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32_Curr	50000000

Т				~
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	<b>✓</b>

2015-01-29, 18:56:56+0530





 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)			✓
Name	Actual Value	Expected Value	Result
Rte Call Sa MtrDrvDiag FetDrvReset OP SET(signal)	0	0	✓

T			<b>✓</b>	
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	<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: 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\_u16)=False && (FaultedPhases\_Cnt\_T\_u16)=False && (FaultedPhases\_Cnt\_T\_u16)=Fals

(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_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	<b>✓</b>
SVDiag_FETFaultType_Cnt_M_enum	0	0	<b>✓</b>
tgt_StatusPtr_Cnt_T_b16	1024	1024	<b>~</b>

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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	•
GateDrvWaitTime	1	GateDrvWaitTime	1	•
Rte_Call_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	j
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	Ĭ
Rte_Call_Sa_MtrDrvDiag_FetFlt2Clk_OP_SET	1	Rte_Call_Sa_MtrDrvDiag_FetFlt2Clk_OP_SET	1	
GateDrvWaitTime  Pto Call So MtrDrvDing SystemTime CotSystemTime us use	1	GateDrvWaitTime	1	Ĭ
Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32	255	Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32	255	
Rte_Call_Sa_MtrDrvDiag_SystemTime_DtrmnElapsedTime_uS_u16		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 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	1	•
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_FetFlt2Clk_OP_SET	1	•
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_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	<b>•</b>
Rte_Call_Sa_MtrDrvDiag_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	<b>*</b>
Rte_Call_Sa_MtrDrvDiag_FetFlt2Clk_OP_SET	1	Rte_Call_Sa_MtrDrvDiag_FetFlt2Clk_OP_SET	1	•
GateDrvWaitTime	1	GateDrvWaitTime	1	<b>*</b>
Rte_Call_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	<b>*</b>
GateDrvWaitTime	1	GateDrvWaitTime	1	•
Rte_Call_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		Dto Coll Co MtrDr.Diog FotFlttDato OD CET	1	<b> </b>
Rte_Call_Sa_MtrDrvDiag_FetFlt1Data_OP_GET	1	Rte_Call_Sa_MtrDrvDiag_FetFlt1Data_OP_GET		
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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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	<b>✓</b>
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	<b>✓</b>

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Razorcat

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	<b>V</b>
Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32	1	Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_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	<b>✓</b>
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_GetSystemTime_us_us2	1	
Rte Call Sa MtrDrvDiag FetFlt2Clk OP SET	1	Rte Call Sa MtrDrvDiag FetFlt2Clk OP SET	1	-
GateDrvWaitTime	1	GateDrvWaitTime	1	
Rte_Call_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	<b>V</b>
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	<b>V</b>
GateDrvWaitTime	1	GateDrvWaitTime	1	<b>*</b>
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	<b>V</b>
Rte Call Sa MtrDrvDiag FetFlt2Clk OP SET	1	Rte_Call_Sa_MtrDrvDiag_FetFlt2Clk_OP_SET	1	~
GateDrvWaitTime	1	GateDrvWaitTime	1	
Rte_Call_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	<b>✓</b>
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	<b>✓</b>

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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	<b>✓</b>
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	<b>✓</b>
SVDiag_FETFaultType_Cnt_M_enum	2	2	-
tgt_StatusPtr_Cnt_T_b16	1023	1023	<b>✓</b>

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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	<b>V</b>
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	<b>V</b>
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	<b>*</b>
Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32	1	Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32	1	<b>V</b>
Rte_Call_Sa_MtrDrvDiag_SystemTime_DtrmnElapsedTime_uS_u16	1	Rte_Call_Sa_MtrDrvDiag_SystemTime_DtrmnElapsedTime_uS_u16	1	<b>V</b>
Rte_Call_Sa_MtrDrvDiag_FetFlt2Clk_OP_SET GateDrvWaitTime	1	Rte_Call_Sa_MtrDrvDiag_FetFlt2Clk_OP_SET GateDrvWaitTime	1	<b>V</b>
Rte_Call_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	<b>✓</b>
Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32	1	Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32	1	-
Rte_Call_Sa_MtrDrvDiag_SystemTime_DtrmnElapsedTime_uS_u16	1	Rte_Call_Sa_MtrDrvDiag_SystemTime_DtrmnElapsedTime_uS_u16	1	~
Rte_Call_Sa_MtrDrvDiag_FetFlt2Clk_OP_SET	1	Rte_Call_Sa_MtrDrvDiag_FetFlt2Clk_OP_SET	1	~
GateDrvWaitTime	1	GateDrvWaitTime	1	~
Rte_Call_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	<b>✓</b>
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	<b>✓</b>

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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	<b>✓</b>
SVDiag_FETFaultType_Cnt_M_enum	2	2	~
tgt StatusPtr Cnt T b16	1023	1023	<b>✓</b>

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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	<b>*</b>
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	<b>✓</b>
Rte_Call_Sa_MtrDrvDiag_FetFlt2Clk_OP_SET	1	Rte_Call_Sa_MtrDrvDiag_FetFlt2Clk_OP_SET	1	~
GateDrvWaitTime	1	GateDrvWaitTime	1	~
Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32	1	Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32	1	~
Rte_Call_Sa_MtrDrvDiag_SystemTime_DtrmnElapsedTime_uS_u16	1	Rte_Call_Sa_MtrDrvDiag_SystemTime_DtrmnElapsedTime_uS_u16	1	<b>V</b>
Rte_Call_Sa_MtrDrvDiag_FetFlt2Clk_OP_SET	1	Rte_Call_Sa_MtrDrvDiag_FetFlt2Clk_OP_SET	1	<b>V</b>
GateDrvWaitTime  Pto Coll So MtrDrvDiog SystemTime CotSystemTime us us use	1	GateDrvWaitTime  Pto Coll So MtrDrvDiog SystemTime CotSystemTime us us use	1	<b>*</b>
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	<b>V</b>
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	<b>✓</b>
Rte_Call_Sa_MtrDrvDiag_SystemTime_DtrmnElapsedTime_uS_u16	1	Rte_Call_Sa_MtrDrvDiag_SystemTime_DtrmnElapsedTime_uS_u16	1	~
Rte_Call_Sa_MtrDrvDiag_FetFlt2Clk_OP_SET	1	Rte_Call_Sa_MtrDrvDiag_FetFlt2Clk_OP_SET	1	~
GateDrvWaitTime	1	GateDrvWaitTime	1	<b>Y</b>
Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32	1	Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32	1	<b>*</b>
Rte_Call_Sa_MtrDrvDiag_SystemTime_DtrmnElapsedTime_uS_u16	255	Rte_Call_Sa_MtrDrvDiag_SystemTime_DtrmnElapsedTime_uS_u16	255 1	<b>V</b>
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	<b>Y</b>
GateDrvWaitTime	1	GateDrvWaitTime	1	~
Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32	1	Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32	1	
Rte_Call_Sa_MtrDrvDiag_SystemTime_DtrmnElapsedTime_uS_u16	1	Rte_Call_Sa_MtrDrvDiag_SystemTime_DtrmnElapsedTime_uS_u16	1	~
Rte_Call_Sa_MtrDrvDiag_FetFlt2Clk_OP_SET	1	Rte_Call_Sa_MtrDrvDiag_FetFlt2Clk_OP_SET	1	-
GateDrvWaitTime	1	GateDrvWaitTime	1	<b>~</b>
Rte_Call_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)			<b>✓</b>
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	<b>✓</b>

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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	<b>V</b>
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	<b>V</b>
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	<b>*</b>
Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32	1	Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32	1	<b>V</b>
Rte_Call_Sa_MtrDrvDiag_SystemTime_DtrmnElapsedTime_uS_u16	1	Rte_Call_Sa_MtrDrvDiag_SystemTime_DtrmnElapsedTime_uS_u16	1	<b>V</b>
Rte_Call_Sa_MtrDrvDiag_FetFlt2Clk_OP_SET GateDrvWaitTime	1	Rte_Call_Sa_MtrDrvDiag_FetFlt2Clk_OP_SET GateDrvWaitTime	1	<b>V</b>
Rte_Call_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	<b>✓</b>
Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32	1	Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32	1	-
Rte_Call_Sa_MtrDrvDiag_SystemTime_DtrmnElapsedTime_uS_u16	1	Rte_Call_Sa_MtrDrvDiag_SystemTime_DtrmnElapsedTime_uS_u16	1	~
Rte_Call_Sa_MtrDrvDiag_FetFlt2Clk_OP_SET	1	Rte_Call_Sa_MtrDrvDiag_FetFlt2Clk_OP_SET	1	~
GateDrvWaitTime	1	GateDrvWaitTime	1	~
Rte_Call_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	<b>✓</b>
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	<b>✓</b>

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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	<b>✓</b>
GateDrvWaitTime	1	GateDrvWaitTime	1	~
Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32	1	Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_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	<b>✓</b>
SVDiag_FETFaultType_Cnt_M_enum	0	0	~
tgt StatusPtr Cnt T b16	1024	1024	<b>✓</b>

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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	<b>V</b>
GateDrvWaitTime	1	GateDrvWaitTime Rte Call Sa MtrDrvDiag SystemTime GetSystemTime uS u32	1	<b>*</b>
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	<b>V</b>
GateDrvWaitTime	1	GateDrvWaitTime	1	<b>V</b>
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	<b>~</b>
Rte_Call_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	<b>V</b>
Rte_Call_Sa_MtrDrvDiag_FetFlt2Clk_OP_SET GateDrvWaitTime	1	Rte_Call_Sa_MtrDrvDiag_FetFlt2Clk_OP_SET GateDrvWaitTime	1	<b>V</b>
	1	Rte Call Sa MtrDrvDiag SystemTime GetSystemTime uS u32	1	<b>*</b>
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	<b>✓</b>
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	<b>V</b>
GateDrvWaitTime	1	GateDrvWaitTime	1	
Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32	1	Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32	1	<b>V</b>
Rte_Call_Sa_MtrDrvDiag_SystemTime_DtrmnElapsedTime_uS_u16	1	Rte_Call_Sa_MtrDrvDiag_SystemTime_DtrmnElapsedTime_uS_u16	1	<b>~</b>

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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	<b>✓</b>
GateDrvWaitTime	1	GateDrvWaitTime	1	~
Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32	1	Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_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	<b>✓</b>

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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	<b>V</b>
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	<b>V</b>
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	<b>*</b>
Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32	1	Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32	1	<b>V</b>
Rte_Call_Sa_MtrDrvDiag_SystemTime_DtrmnElapsedTime_uS_u16	1	Rte_Call_Sa_MtrDrvDiag_SystemTime_DtrmnElapsedTime_uS_u16	1	<b>V</b>
Rte_Call_Sa_MtrDrvDiag_FetFlt2Clk_OP_SET GateDrvWaitTime	1	Rte_Call_Sa_MtrDrvDiag_FetFlt2Clk_OP_SET GateDrvWaitTime	1	<b>V</b>
Rte_Call_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	<b>✓</b>
Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32	1	Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32	1	-
Rte_Call_Sa_MtrDrvDiag_SystemTime_DtrmnElapsedTime_uS_u16	1	Rte_Call_Sa_MtrDrvDiag_SystemTime_DtrmnElapsedTime_uS_u16	1	~
Rte_Call_Sa_MtrDrvDiag_FetFlt2Clk_OP_SET	1	Rte_Call_Sa_MtrDrvDiag_FetFlt2Clk_OP_SET	1	~
GateDrvWaitTime	1	GateDrvWaitTime	1	~
Rte_Call_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	<b>✓</b>
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	<b>✓</b>

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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)			<b>✓</b>
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	<b>✓</b>
SVDiag_FETFaultType_Cnt_M_enum	0	0	~
tgt StatusPtr Cnt T b16	1024	1024	<b>✓</b>

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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	<b>V</b>
GateDrvWaitTime	1	GateDrvWaitTime  Pto Call So MtrDrvDiog SystemTime CatSystemTime uS u22	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	<b>•</b>
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	<b>V</b>
Rte_Call_Sa_MtrDrvDiag_FetFlt1Data_OP_GET	1	Rte_Call_Sa_MtrDrvDiag_FetFlt1Data_OP_GET	1	<b>•</b>
Rte_Call_Sa_MtrDrvDiag_FetFlt2Clk_OP_SET GateDrvWaitTime	1	Rte_Call_Sa_MtrDrvDiag_FetFlt2Clk_OP_SET GateDrvWaitTime	1	<b>*</b>
Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32	1	Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32	1	-
Rte_Call_Sa_MtrDrvDiag_SystemTime_DtrmnElapsedTime_uS_u16	1	Rte_Call_Sa_MtrDrvDiag_SystemTime_DtrmnElapsedTime_uS_u16	1	,
Rte_Call_Sa_MtrDrvDiag_FetFlt2Clk_OP_SET	1	Rte_Call_Sa_MtrDrvDiag_FetFlt2Clk_OP_SET	1	-
GateDrvWaitTime	1	GateDrvWaitTime	1	-
Rte_Call_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	<b>✓</b>
Rte_Call_Sa_MtrDrvDiag_FetFlt2Clk_OP_SET	1	Rte_Call_Sa_MtrDrvDiag_FetFlt2Clk_OP_SET	1	<b>*</b>
GateDrvWaitTime	1	GateDrvWaitTime	1	<b>V</b>
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	<b>✓</b>
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 2.7 (Repeat Count = 1)			<b>✓</b>
Name	Input Value		
Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32(CurrentTime)	tgt_Rte_Call_Sa_MtrDrvDiag_Sy	stemTime_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	~

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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	<b>V</b>
GateDrvWaitTime	1	GateDrvWaitTime	1	<b>*</b>
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	<b>~</b>
Rte_Call_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	<b>V</b>
Rte_Call_Sa_MtrDrvDiag_SystemTime_DtrmnElapsedTime_uS_u16	255	Rte_Call_Sa_MtrDrvDiag_SystemTime_DtrmnElapsedTime_uS_u16	255	<b>V</b>
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	<b>✓</b>
GateDrvWaitTime	1	GateDrvWaitTime	1	~
Rte_Call_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	<b>V</b>
Rte_Call_Sa_MtrDrvDiag_FetFlt2Clk_OP_SET	1	Rte_Call_Sa_MtrDrvDiag_FetFlt2Clk_OP_SET	1	~
GateDrvWaitTime	1	GateDrvWaitTime	1	•
Rte_Call_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	<b>*</b>
	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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#### 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	<b>✓</b>
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	<b>V</b>
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	<b>✓</b>
GateDrvWaitTime	1	GateDrvWaitTime	1	~
Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32	1	Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_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	<b>✓</b>

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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	<b>V</b>
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)			<b>✓</b>
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	<b>V</b>
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	<b>V</b>
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	<b>V</b>
Rte_Call_Sa_MtrDrvDiag_SystemTime_DtrmnElapsedTime_uS_u16	1	Rte_Call_Sa_MtrDrvDiag_SystemTime_DtrmnElapsedTime_uS_u16	1	<b>V</b>
Rte_Call_Sa_MtrDrvDiag_FetFlt2Clk_OP_SET GateDrvWaitTime	1	Rte_Call_Sa_MtrDrvDiag_FetFlt2Clk_OP_SET GateDrvWaitTime	1	<b>V</b>
Rte_Call_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	<b>✓</b>
Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32	1	Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32	1	-
Rte_Call_Sa_MtrDrvDiag_SystemTime_DtrmnElapsedTime_uS_u16	1	Rte_Call_Sa_MtrDrvDiag_SystemTime_DtrmnElapsedTime_uS_u16	1	~
Rte_Call_Sa_MtrDrvDiag_FetFlt2Clk_OP_SET	1	Rte_Call_Sa_MtrDrvDiag_FetFlt2Clk_OP_SET	1	~
GateDrvWaitTime	1	GateDrvWaitTime	1	~
Rte_Call_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	<b>✓</b>
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	<b>✓</b>

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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	<b>✓</b>
GateDrvWaitTime	1	GateDrvWaitTime	1	~
Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32	1	Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_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)			<b>✓</b>
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	<b>✓</b>

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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	<b>V</b>
Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32	1	Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32	1	<b>*</b>
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	<b>✓</b>
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	<b>✓</b>
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	<b>~</b>
Rte_Call_Sa_MtrDrvDiag_FetFlt2Clk_OP_SET	1	Rte_Call_Sa_MtrDrvDiag_FetFlt2Clk_OP_SET	1	<b>~</b>
GateDrvWaitTime	1	GateDrvWaitTime	1	<b>~</b>
Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32	1	Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32	1	~
Rte_Call_Sa_MtrDrvDiag_SystemTime_DtrmnElapsedTime_uS_u16	1	Rte_Call_Sa_MtrDrvDiag_SystemTime_DtrmnElapsedTime_uS_u16	1	<b>~</b>
Rte_Call_Sa_MtrDrvDiag_FetFlt2Clk_OP_SET	1	Rte_Call_Sa_MtrDrvDiag_FetFlt2Clk_OP_SET	1	~
GateDrvWaitTime	1	GateDrvWaitTime	1	<b>✓</b>
Rte_Call_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	<b>~</b>
Rte_Call_Sa_MtrDrvDiag_FetFlt1Data_OP_GET	1	Rte_Call_Sa_MtrDrvDiag_FetFlt1Data_OP_GET	1	<b>~</b>
Rte_Call_Sa_MtrDrvDiag_FetFlt2Clk_OP_SET	1	Rte_Call_Sa_MtrDrvDiag_FetFlt2Clk_OP_SET	1	<b>~</b>
GateDrvWaitTime	1	GateDrvWaitTime	1	~
Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32	1	Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32	1	<b>✓</b>
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)			<b>✓</b>
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	<b>✓</b>

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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	<b>*</b>
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	<b>✓</b>
Rte_Call_Sa_MtrDrvDiag_FetFlt2Clk_OP_SET	1	Rte_Call_Sa_MtrDrvDiag_FetFlt2Clk_OP_SET	1	~
GateDrvWaitTime	1	GateDrvWaitTime	1	~
Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32	1	Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32	1	~
Rte_Call_Sa_MtrDrvDiag_SystemTime_DtrmnElapsedTime_uS_u16	1	Rte_Call_Sa_MtrDrvDiag_SystemTime_DtrmnElapsedTime_uS_u16	1	<b>V</b>
Rte_Call_Sa_MtrDrvDiag_FetFlt2Clk_OP_SET	1	Rte_Call_Sa_MtrDrvDiag_FetFlt2Clk_OP_SET	1	<b>V</b>
GateDrvWaitTime  Pto Coll So MtrDrvDiog SystemTime CotSystemTime us us use	1	GateDrvWaitTime  Pto Coll So MtrDrvDiog SystemTime CotSystemTime us us use	1	<b>*</b>
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	<b>V</b>
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	<b>✓</b>
Rte_Call_Sa_MtrDrvDiag_SystemTime_DtrmnElapsedTime_uS_u16	1	Rte_Call_Sa_MtrDrvDiag_SystemTime_DtrmnElapsedTime_uS_u16	1	~
Rte_Call_Sa_MtrDrvDiag_FetFlt2Clk_OP_SET	1	Rte_Call_Sa_MtrDrvDiag_FetFlt2Clk_OP_SET	1	~
GateDrvWaitTime	1	GateDrvWaitTime	1	<b>Y</b>
Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32	1	Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32	1	<b>*</b>
Rte_Call_Sa_MtrDrvDiag_SystemTime_DtrmnElapsedTime_uS_u16	255	Rte_Call_Sa_MtrDrvDiag_SystemTime_DtrmnElapsedTime_uS_u16	255 1	<b>V</b>
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	<b>Y</b>
GateDrvWaitTime	1	GateDrvWaitTime	1	~
Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32	1	Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32	1	
Rte_Call_Sa_MtrDrvDiag_SystemTime_DtrmnElapsedTime_uS_u16	1	Rte_Call_Sa_MtrDrvDiag_SystemTime_DtrmnElapsedTime_uS_u16	1	~
Rte_Call_Sa_MtrDrvDiag_FetFlt2Clk_OP_SET	1	Rte_Call_Sa_MtrDrvDiag_FetFlt2Clk_OP_SET	1	-
GateDrvWaitTime	1	GateDrvWaitTime	1	<b>~</b>
Rte_Call_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	<b>✓</b>
GateDrvWaitTime	1	GateDrvWaitTime	1	~
Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32	1	Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_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/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**

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

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*	<b>✓</b>
Rte_Call_Sa_MtrDrvDiag_NxtrDiagMgr_SetNTCStatus(Status_Cnt_T_enum)	0	*none*	<b>✓</b>
SVDiag_FETFaultPhase_Cnt_M_enum	0	0	<b>✓</b>
SVDiag_FETFaultType_Cnt_M_enum	2	2	<b>✓</b>
tgt_GateDriveFltAccPtr_Cnt_T_u16	1448	1448	<b>✓</b>

Τ				<b>✓</b>
Actual Function	Count	Expected Function	Count	Result
*none*	0	*** No Call Expected ***	0	~

Test Step 1.2 (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	<b>✓</b>
SVDiag_FETFaultPhase_Cnt_M_enum	3	3	<b>✓</b>
SVDiag_FETFaultType_Cnt_M_enum	2	2	<b>✓</b>
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	<b>V</b>
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	<b>V</b>
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	<b>V</b>
Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32	1	Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32	1	<b>V</b>
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	<b>V</b>
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	<b>*</b>
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	1	GateDrvWaitTime	1	<b>V</b>
Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32	1	Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32	1	<b>V</b>
Rte_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	<b>*</b>
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
TC2.5 569 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_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	<b>✓</b>
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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T				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)			<b>✓</b>
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	<b>V</b>
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	<b>V</b>
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	<b>V</b>
Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32	1	Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32	1	<b>V</b>
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	<b>V</b>
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	<b>*</b>
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	1	GateDrvWaitTime	1	<b>V</b>
Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32	1	Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32	1	<b>V</b>
Rte_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	<b>*</b>
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 2.3 (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	<b>✓</b>
Rte_Call_Sa_MtrDrvDiag_NxtrDiagMgr_SetNTCStatus(Status_Cnt_T_enum)	1	1	•
SVDiag_FETFaultPhase_Cnt_M_enum	2	2	<b>✓</b>
SVDiag_FETFaultType_Cnt_M_enum	2	2	~
tgt_GateDriveFltAccPtr_Cnt_T_u16	854	854	<b>✓</b>

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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	~

Test Step 2.4 (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	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	<b>✓</b>
SVDiag_FETFaultPhase_Cnt_M_enum	0	0	~
SVDiag_FETFaultType_Cnt_M_enum	0	0	~
tgt GateDriveFltAccPtr Cnt T u16	713	713	<b>✓</b>

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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	<b>V</b>
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	<b>V</b>
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	<b>V</b>
Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32	1	Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32	1	<b>V</b>
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	<b>V</b>
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	<b>*</b>
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	1	GateDrvWaitTime	1	<b>V</b>
Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32	1	Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32	1	<b>V</b>
Rte_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	<b>*</b>
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 2.5 (Repeat Count = 1)			✓
Name	Input Value		
FF2Set_Cnt_T_lgc	0		
GateDriveFltAccPtr_Cnt_T_u16	tgt_GateDriveFltAccPtr_Cnt_T_u16	3	
Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32(CurrentTime)	tgt_Rte_Call_Sa_MtrDrvDiag_Syst	emTime_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	<b>✓</b>
SVDiag_FETFaultType_Cnt_M_enum	1	1	~
tgt_GateDriveFltAccPtr_Cnt_T_u16	624	624	✓

Τ				V
Actual Function	Count	Expected Function	Count	Result
Rte_Call_Sa_MtrDrvDiag_NxtrDiagMgr_SetNTCStatus	1	Rte_Call_Sa_MtrDrvDiag_NxtrDiagMgr_SetNTCStatus	1	~

Test Step 2.6 (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_SystemTime_	_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	<b>✓</b>
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	<b>✓</b>

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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	j
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	<b>-</b>
GateDrvWaitTime	1	GateDrvWaitTime	1	•
Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32	1	Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_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 us us us 2	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_loHwAbPortConfig_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_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	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*	<b>✓</b>
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	~

Т				
Actual Function	Count	Expected Function	Count	Result
*none*	0	*** No Call Expected ***	0	~

Name	Innut Value		
	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_Syste	mTime_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*	<b>✓</b>
Rte_Call_Sa_MtrDrvDiag_NxtrDiagMgr_SetNTCStatus(Status_Cnt_T_enum)	1	*none*	<b>✓</b>
SVDiag_FETFaultPhase_Cnt_M_enum	2	2	<b>✓</b>
SVDiag_FETFaultType_Cnt_M_enum	1	1	<b>✓</b>
tgt GateDriveFltAccPtr Cnt T u16	1099	1099	-4





T				<b>✓</b>
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	~

T					
Actual Function	Count	Expected Function	Count	Resu	t
*none*	0	*** No Call Expected ***	0		,

Test Step 2.10 (Repeat Count = 1)			<b>✓</b>
Name	Input Value		
FF2Set_Cnt_T_lgc	1		
GateDriveFltAccPtr_Cnt_T_u16	tgt_GateDriveFltAccPtr_Cnt_T_u1	6	
Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32(CurrentTime)	tgt_Rte_Call_Sa_MtrDrvDiag_Sys	temTime_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	<b>✓</b>
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	✓.

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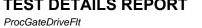


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Actual Function		Expected Function		Result
Rte_Call_Sa_MtrDrvDiag_NxtrDiagMgr_SetNTCStatus	1	Rte_Call_Sa_MtrDrvDiag_NxtrDiagMgr_SetNTCStatus	1	~
ReadMtrDrvFltData	1	ReadMtrDrvFltData	1	<b>V</b>
Rte_Call_Sa_MtrDrvDiag_loHwAbPortConfig_SetFetFlt2ToOutput 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	<b>V</b>
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	<b>V</b>
Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32	1	Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32	1	<b>V</b>
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	<b>V</b>
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	<b>*</b>
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	<b>V</b>
Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32	1	Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32	1	<b>V</b>
Rte_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	<b>*</b>
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	<b>~</b>
Rte_Call_Sa_MtrDrvDiag_SystemTime_DtrmnElapsedTime_uS_u16	1	Rte_Call_Sa_MtrDrvDiag_SystemTime_DtrmnElapsedTime_uS_u16	1	<b>✓</b>
Rte_Call_Sa_MtrDrvDiag_FetFlt2Clk_OP_SET	1	Rte_Call_Sa_MtrDrvDiag_FetFlt2Clk_OP_SET	1	~
GateDrvWaitTime	1	GateDrvWaitTime	1	•
Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32	1	Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_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_SystemTim	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	<b>✓</b>

T				V
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	Ō	0	~

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T				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		Expected Function		Result
Rte_Call_Sa_MtrDrvDiag_NxtrDiagMgr_SetNTCStatus	1	Rte_Call_Sa_MtrDrvDiag_NxtrDiagMgr_SetNTCStatus	1	~
ReadMtrDrvFltData	1	ReadMtrDrvFltData	1	<b>V</b>
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	<b>V</b>
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	<b>V</b>
Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32	1	Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32	1	<b>V</b>
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	<b>V</b>
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	<b>*</b>
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	<b>V</b>
Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32	1	Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32	1	<b>V</b>
Rte_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	<b>*</b>
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	<b>✓</b>
GateDrvWaitTime	1	GateDrvWaitTime	1	~
Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32	1	Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32	1	<b>✓</b>
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	<b>✓</b>
Rte_Call_Sa_MtrDrvDiag_FetFlt2Clk_OP_SET	1	Rte_Call_Sa_MtrDrvDiag_FetFlt2Clk_OP_SET	T	~
GateDrvWaitTime	1	GateDrvWaitTime	1	<b>✓</b>
Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32	1	Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32	1	

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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	<b>✓</b>
Rte_Call_Sa_MtrDrvDiag_NxtrDiagMgr_SetNTCStatus(Status_Cnt_T_enum)	1	1	<b>✓</b>
SVDiag_FETFaultPhase_Cnt_M_enum	1	1	<b>✓</b>
SVDiag_FETFaultType_Cnt_M_enum	1	1	~
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	<b>*</b>
Rte Call Sa MtrDrvDiag SystemTime GetSystemTime uS u32	1	Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_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 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	
GateDryWaitTime	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	<b>✓</b>
Rte_Call_Sa_MtrDrvDiag_FetFlt2Clk_OP_SET	1	Rte_Call_Sa_MtrDrvDiag_FetFlt2Clk_OP_SET	1	-
GateDrvWaitTime	1	GateDrvWaitTime	1	-
Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32	1	Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32	1	-
Rte_Call_Sa_MtrDrvDiag_SystemTime_DtrmnElapsedTime_uS_u16	1	Rte_Call_Sa_MtrDrvDiag_SystemTime_DtrmnElapsedTime_uS_u16	1	~
Rte_Call_Sa_MtrDrvDiag_FetFlt2Clk_OP_SET	1	Rte_Call_Sa_MtrDrvDiag_FetFlt2Clk_OP_SET	1	-
GateDrvWaitTime	1	GateDrvWaitTime	1	~
Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32	1	Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32	1	~
Rte_Call_Sa_MtrDrvDiag_SystemTime_DtrmnElapsedTime_uS_u16	1	Rte_Call_Sa_MtrDrvDiag_SystemTime_DtrmnElapsedTime_uS_u16	1	<b>~</b>
Rte_Call_Sa_MtrDrvDiag_FetFlt1Data_OP_GET	1	Rte_Call_Sa_MtrDrvDiag_FetFlt1Data_OP_GET	1	<b>V</b>
Rte_Call_Sa_MtrDrvDiag_FetFlt2Clk_OP_SET	1	Rte_Call_Sa_MtrDrvDiag_FetFlt2Clk_OP_SET	1	<b>V</b>
GateDrvWaitTime	1	GateDrvWaitTime  Pto Call So MtrDrvDing SystemTime CotSystemTime us us use	1	<b>✓</b>
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_GetSystemTime_us_us2	1	Rte Call Sa MtrDrvDiag SystemTime DtrmnElapsedTime uS u16	1	
Rte_Call_Sa_MtrDrvDiag_FetFlt2Clk_OP_SET	1	Rte_Call_Sa_MtrDrvDiag_FetFlt2Clk_OP_SET	1	
GateDrvWaitTime	1	GateDrvWaitTime	1	
Rte_Call_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	<b>✓</b>
GateDrvWaitTime	1	GateDrvWaitTime	1	<b>✓</b>

Rte\_Call\_Sa\_MtrDrvDiag\_loHwAbPortConfig\_SetFetFlt2ToOutput

ProcGateDriveFlt

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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	<b>✓</b>
Rte_Call_Sa_MtrDrvDiag_FetFlt2Clk_OP_SET	1	Rte_Call_Sa_MtrDrvDiag_FetFlt2Clk_OP_SET	1	~
GateDrvWaitTime	1	GateDrvWaitTime	1	•
Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32	1	Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_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	<b>✓</b>
GateDrvWaitTime	1	GateDrvWaitTime	1	~
Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32	1	Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32	1	~
Rte_Call_Sa_MtrDrvDiag_SystemTime_DtrmnElapsedTime_uS_u16	1	Rte_Call_Sa_MtrDrvDiag_SystemTime_DtrmnElapsedTime_uS_u16	1	~

 $Rte\_Call\_Sa\_MtrDrvDiag\_IoHwAbPortConfig\_SetFetFlt2ToOutput$ 

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_System1	ime_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	<b>✓</b>

Τ				
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 %
<b>Decision Coverage</b>	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_CNTCFailed_Ptr_T_lgc
Rte_Call_Sa_MtrDrvDiag_SystemTime_DtrmnElapsedTime_mS_u16(ElapsedTime	) target_Rte_Call_Sa_MtrDrvDiag_SystemTime_DtrmnElapsedTim@_mS_u16_ElapsedTime
$Rte\_Call\_Sa\_MtrDrvDiag\_SystemTime\_DtrmnElapsedTime\_uS\_u16(ElapsedTime)$	terret_Dto_Coll_So_MtrDrvDiag_SystemTime_DtrmnElapsedTime_uS_u16_ElapsedTime
Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_mS_u32(CurrentTime)	DrvDiag_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

 $target\_MtrDrvDiag\_Per1\_MtrDrvrInitStart\_Cnt\_lgc.value$ 



Test Step 1.2 (Repeat Count = 1)			<b>✓</b>
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)		e DtrmnElapsedTime mS u16 ElapsedTime	e
Rte Call Sa MtrDrvDiag SystemTime 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	12 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	
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		
	35000		
k_GateDriveDiag_Cnt_str.PStep 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_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_Ci	_	
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	dc 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	•

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MtrDrvDiag\_Per1

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MtrDrvDiag\_Per1



Rte_Call_MtrDrvDiag_Per1_CP0_CheckpointReached		Expected Function		Result
	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	<b>V</b>
ProcGateDriveFlt	1	ProcGateDriveFlt  Pto Coll So MtrDouDing NytrDingMar SotNTCStotus	1	~
Rte_Call_Sa_MtrDrvDiag_NxtrDiagMgr_SetNTCStatus ReadMtrDrvFltData	1	Rte_Call_Sa_MtrDrvDiag_NxtrDiagMgr_SetNTCStatus ReadMtrDrvFltData	1	Ž
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	J
GateDrvWaitTime	1	GateDrvWaitTime	1	
Rte Call Sa MtrDrvDiag SystemTime GetSystemTime uS u32	1	Rte Call Sa MtrDrvDiag SystemTime GetSystemTime uS 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	<b>~</b>
GateDrvWaitTime	1	GateDrvWaitTime	1	_
Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32	1	Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32	1	~
Rte_Call_Sa_MtrDrvDiag_SystemTime_DtrmnElapsedTime_uS_u16	1	Rte_Call_Sa_MtrDrvDiag_SystemTime_DtrmnElapsedTime_uS_u16	1	~
Rte_Call_Sa_MtrDrvDiag_FetFlt2Clk_OP_SET	1	Rte_Call_Sa_MtrDrvDiag_FetFlt2Clk_OP_SET	1	~
GateDrvWaitTime	1	GateDrvWaitTime	1	~
Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32	1	Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_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	<b>V</b>
GateDrvWaitTime	1	GateDrvWaitTime	1	<b>V</b>
Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32	1	Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32	1	<b>V</b>
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	<b>~</b>
Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32	1	Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32	1	~
Rte_Call_Sa_MtrDrvDiag_SystemTime_DtrmnElapsedTime_uS_u16	1	Rte_Call_Sa_MtrDrvDiag_SystemTime_DtrmnElapsedTime_uS_u16	1	<b>~</b>
Rte_Call_Sa_MtrDrvDiag_FetFlt2Clk_OP_SET	1	Rte_Call_Sa_MtrDrvDiag_FetFlt2Clk_OP_SET	1	~
GateDrvWaitTime	1	GateDrvWaitTime	1	~
Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32	1	Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_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	~
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	<b>V</b>
GateDrvWaitTime	1	GateDrvWaitTime	1	<b>V</b>
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	<b>V</b>
Ata Call Sa Mtri Indiaa SystemTime DtrmpElancedTime uS u16	1	Rte_Call_Sa_MtrDrvDiag_SystemTime_DtrmnElapsedTime_uS_u16	1	<b>V</b>
	1	Rte_Call_Sa_MtrDrvDiag_FetFlt1Data_OP_GET	1	<b>✓</b>
Rte_Call_Sa_MtrDrvDiag_FetFlt1Data_OP_GET		Rte_Call_Sa_MtrDrvDiag_FetFlt2Clk_OP_SET	1	<b>✓</b>
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  GateDrvWaitTime	1	GateDrvWaitTime	1	•
Rte_Call_Sa_MtrDrvDiag_FetFlt1Data_OP_GET 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	~
Rte_Call_Sa_MtrDrvDiag_FetFlt1Data_OP_GET  Rte_Call_Sa_MtrDrvDiag_FetFlt2Clk_OP_SET  GateDrvWaitTime	1	GateDrvWaitTime		

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MtrDrvDiag\_Per1



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	<b>✓</b>
Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32	1	Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32	1	~
Rte_Call_Sa_MtrDrvDiag_SystemTime_DtrmnElapsedTime_uS_u16	1	Rte_Call_Sa_MtrDrvDiag_SystemTime_DtrmnElapsedTime_uS_u16	1	•
Rte_Call_Sa_MtrDrvDiag_FetFlt2Clk_OP_SET	1	Rte_Call_Sa_MtrDrvDiag_FetFlt2Clk_OP_SET	1	~
GateDrvWaitTime	1	GateDrvWaitTime	1	•
Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32	1	Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_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	<b>~</b>



#### **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
TC2.17 18348 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

```
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_CurrentTire	100000	00000		
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	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	<b>~</b>	
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	~	

T				<b>✓</b>
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)	0 0 0		
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	<b>✓</b>

T				<b>✓</b>
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	<b>✓</b>
GateDrvWaitTime	1	GateDrvWaitTime	1	~
Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32	1	Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32	1	<b>✓</b>
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			
	•	OR CET signal		
Rte_Call_Sa_MtrDrvDiag_FetFlt2Clk_OP_GET(signal)		target_Rte_Call_Sa_MtrDrvDiag_FetFlt2Clk_OP_GET_signal target Rte Call Sa MtrDrvDiag NxtrDiagMgr GetNTCFailed NTCFailed Ptr T lgc		
Rte_Call_Sa_MtrDrvDiag_NxtrDiagMgr_GetNTCFailed(NTCFailed_Ptr_T_lgc)	1 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2			
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)	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	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			
c_GateDriveDiag_Cnt_str.Threshold	5000			
c_GateDriveDiag_Cnt_str.PStep	25000			
_GateDriveDiag_Cnt_str.NStep	55550			
_OnStateDiag_Cnt_str.Threshold	5555			
_OnStateDiag_Cnt_str.PStep	15000			
c_OnStateDiag_Cnt_str.NStep	5000			
arget_MtrDrvDiag_Per1_MtrDrvrInitStart_Cnt_lgc.value	0			
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	11000			
arget_Rte_Call_Sa_MtrDrvDiag_SystemTime_DtrmnElapsedTime_uS_u16_Elapse	15100			
arget_Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_mS_u32_CurrentTi	17000			
arget_Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32_CurrentTir	500000			
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_lgc	target_MtrDrvDiag_Per1_GateDriveResetAc	tive_Cnt_lgc		
arget_Rte_Inst_Sa_MtrDrvDiag.MtrDrvDiag_Per1_MtrDrvrInitComplete_Cnt_Igc	target_MtrDrvDiag_Per1_MtrDrvrInitComple	te_Cnt_lgc		
arget_Rte_Inst_Sa_MtrDrvDiag.MtrDrvDiag_Per1_MtrDrvrInitStart_Cnt_Igc	target_MtrDrvDiag_Per1_MtrDrvrInitStart_C	nt_lgc		
Name	Actual Value	Expected Value	Resi	
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_Genealeshvenisec_one_w_uno	1	1		
SVDiag_MtrDrvInitComp_Cnt_M_gc	0	0		
SVDiag_MtrDrvInitStartTime_mS_M_u32p0	344	344 ± 1		
	5555			
SVDiag_OnStateFltAcc_Cnt_M_u16	3333	5555 ± 1		
SVDiag ResetWaitLoop Cnt M lgc	0	0		

1

target\_MtrDrvDiag\_Per1\_FETFaultType\_Cnt\_enum.value

1

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Name	Actual Value	Expected Value	Result
target_MtrDrvDiag_Per1_GateDriveResetActive_Cnt_lgc.value	0	0	<b>✓</b>
target_MtrDrvDiag_Per1_MtrDrvrInitComplete_Cnt_lgc.value	0	0	<b>✓</b>

T				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_SystemTim		
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	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_FETFaultFriase_Citt_M_enum SVDiag_FETFaultType_Cnt_M_enum	0	0	
SVDiag GateDriveFltAcc Cnt M u16	60000	60000 ± 1	
SVDiag GenGateDriveFitAcc Cnt M u16	60	60 ± 1	
SVDiag_GenGateDrivernacc_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



T				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	<b>~</b>
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			
Rte Call Sa MtrDrvDiag FetFlt2Clk OP GET(signal)	target Rte Call Sa MtrDrvDiag FetFl	t2Clk OR CET signal		
			lao	
Rte_Call_Sa_MtrDrvDiag_NxtrDiagMgr_GetNTCFailed(NTCFailed_Ptr_T_lgc)  Rte Call Sa MtrDrvDiag SystemTime DtrmnElapsedTime mS u16(ElapsedTime	target_Rte_Call_Sa_MtrDrvDiag_NxtrDiagMgr_GetNTCFailed_NTCFailed_Ptr_T_lgc			
	0 = = = = 0= / =   = = =			
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)		emTime_GetSystemTime_mS_u32_Curren		
Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32(CurrentTime)		emTime_GetSystemTime_uS_u32_Current	Time	
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_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_lg				
$target\_Rte\_Call\_Sa\_MtrDrvDiag\_SystemTime\_DtrmnElapsedTime\_mS\_u16\_Ela$	€ 17000			
$target\_Rte\_Call\_Sa\_MtrDrvDiag\_SystemTime\_DtrmnElapsedTime\_uS\_u16\_ElapsedTime\_uSu16$	17100			
$target\_Rte\_Call\_Sa\_MtrDrvDiag\_SystemTime\_GetSystemTime\_mS\_u32\_CurrentTime\_mS\_u32\_CurrentTime\_mS\_u32\_CurrentTime\_mS\_u32\_CurrentTime\_mS\_u32\_CurrentTime\_mS\_u32\_CurrentTime\_mS\_u32\_CurrentTime\_mS\_u32\_CurrentTime\_mS\_u332\_CurrentTi$	ï 23000			
$target\_Rte\_Call\_Sa\_MtrDrvDiag\_SystemTime\_GetSystemTime\_uS\_u32\_CurrentTime\_uS_u32\_CurrentTime\_uS_u32\_CurrentTime\_uS_u32\_CurrentTime\_uS_u32\_CurrentTime\_uS_u32\_CurrentTime\_uS_u32\_CurrentTime\_uS_u32\_CurrentTime\_uS_u32\_CurrentTime\_uS_u332\_CurrentTim$	r 700000			
target_Rte_Inst_Sa_MtrDrvDiag.MtrDrvDiag_Per1_FETFaultPhase_Cnt_enum	target_MtrDrvDiag_Per1_FETFaultPha	se_Cnt_enum		
target_Rte_Inst_Sa_MtrDrvDiag.MtrDrvDiag_Per1_FETFaultType_Cnt_enum	target_MtrDrvDiag_Per1_FETFaultTyp	e_Cnt_enum		
$target\_Rte\_Inst\_Sa\_MtrDrvDiag.MtrDrvDiag\_Per1\_GateDriveResetActive\_Cnt\_lgc$	target_MtrDrvDiag_Per1_GateDriveRe	setActive_Cnt_lgc		
target_Rte_Inst_Sa_MtrDrvDiag.MtrDrvDiag_Per1_MtrDrvrInitComplete_Cnt_lgc	target_MtrDrvDiag_Per1_MtrDrvrInitCo	omplete_Cnt_lgc		
target_Rte_Inst_Sa_MtrDrvDiag.MtrDrvDiag_Per1_MtrDrvrInitStart_Cnt_lgc	target_MtrDrvDiag_Per1_MtrDrvrInitSta	art_Cnt_lgc		
Name	Actual Value	Expected Value	Resu	
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		
· - · · · - · ·	1	1		
target MtrDryDiag Per1 GateDriveResetActive Cnt Igo value		1		
	1			
target_MtrDrvDiag_Per1_GateDriveResetActive_Cnt_lgc.value target_MtrDrvDiag_Per1_MtrDrvrInitComplete_Cnt_lgc.value	1			
	1 0x4C 0x01	0x4C 0x01		

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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	<b>✓</b>
Rte_Call_Sa_MtrDrvDiag_FetFlt1Data_OP_GET	1	Rte_Call_Sa_MtrDrvDiag_FetFlt1Data_OP_GET	1	<b>~</b>
Rte_Call_Sa_MtrDrvDiag_FetFlt2Clk_OP_SET	1	Rte_Call_Sa_MtrDrvDiag_FetFlt2Clk_OP_SET	1	~
GateDrvWaitTime	1	GateDrvWaitTime	1	~
Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32	1	Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32	1	~
Rte_Call_Sa_MtrDrvDiag_SystemTime_DtrmnElapsedTime_uS_u16	1	Rte_Call_Sa_MtrDrvDiag_SystemTime_DtrmnElapsedTime_uS_u16	1	~
Rte_Call_Sa_MtrDrvDiag_FetFlt2Clk_OP_SET	1	Rte_Call_Sa_MtrDrvDiag_FetFlt2Clk_OP_SET	1	~
GateDrvWaitTime	1	GateDrvWaitTime	1	_
Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32	1	Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32	1	<b>~</b>
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		<b>V</b>
Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32	1	Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32	1	· ·
Rte_Call_Sa_MtrDrvDiag_SystemTime_DtrmnElapsedTime_uS_u16	1	Rte_Call_Sa_MtrDrvDiag_SystemTime_DtrmnElapsedTime_uS_u16	1	<b>V</b>
Rte_Call_Sa_MtrDrvDiag_FetFlt1Data_OP_GET	1	Rte_Call_Sa_MtrDrvDiag_FetFlt1Data_OP_GET	1	~
Rte_Call_Sa_MtrDrvDiag_FetFlt2Clk_OP_SET	1	Rte_Call_Sa_MtrDrvDiag_FetFlt2Clk_OP_SET	1	~
GateDrvWaitTime	1	GateDrvWaitTime	1	~
Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32	1	Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32	1	~
Rte_Call_Sa_MtrDrvDiag_SystemTime_DtrmnElapsedTime_uS_u16	1	Rte_Call_Sa_MtrDrvDiag_SystemTime_DtrmnElapsedTime_uS_u16	1	~
Rte_Call_Sa_MtrDrvDiag_FetFlt2Clk_OP_SET	1	Rte_Call_Sa_MtrDrvDiag_FetFlt2Clk_OP_SET	1	~
GateDrvWaitTime	1	GateDrvWaitTime	1	~
Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32	1	Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_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	<b>✓</b>
Rte_Call_Sa_MtrDrvDiag_FetFlt2Clk_OP_SET	1	Rte_Call_Sa_MtrDrvDiag_FetFlt2Clk_OP_SET	1	<b>~</b>
GateDrvWaitTime	1	GateDrvWaitTime	1	~
Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32	1	Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32	1	~
Rte_Call_Sa_MtrDrvDiag_SystemTime_DtrmnElapsedTime_uS_u16	1	Rte_Call_Sa_MtrDrvDiag_SystemTime_DtrmnElapsedTime_uS_u16	1	~
Rte_Call_Sa_MtrDrvDiag_FetFlt2Clk_OP_SET	1	Rte Call Sa MtrDrvDiag FetFlt2Clk OP SET	1	~
GateDrvWaitTime	1	GateDrvWaitTime	1	<b>~</b>
Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32	1	Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_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	<b>V</b>
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	<b>V</b>
Rte_Call_Sa_MtrDrvDiag_SystemTime_DtrmnElapsedTime_uS_u16	1	Rte_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_oan_oa_wild Prolag_1 on Ite oin_OF_OL1		_
GateDrvWaitTime	1	GateDrvWaitTime	1	<b>✓</b>

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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	<b>~</b>
Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32	1	Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32	1	~
Rte_Call_Sa_MtrDrvDiag_SystemTime_DtrmnElapsedTime_uS_u16	1	Rte_Call_Sa_MtrDrvDiag_SystemTime_DtrmnElapsedTime_uS_u16	1	~
Rte_Call_Sa_MtrDrvDiag_FetFlt2Clk_OP_SET	1	Rte_Call_Sa_MtrDrvDiag_FetFlt2Clk_OP_SET	1	~
GateDrvWaitTime	1	GateDrvWaitTime	1	~
Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32	1	Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_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	
$target\_Rte\_Call\_Sa\_MtrDrvDiag\_SystemTime\_GetSystemTime\_mS\_u32\_CurrentTime\_ms\_u32\_Curren$	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	

target\_MtrDrvDiag\_Per1\_MtrDrvrInitComplete\_Cnt\_lgc.value

MtrDrvDiag\_Per1

NTC

Param

Status

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0x4C

0x01

0x01

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 **Actual Value Expected Value** Result SVDiag\_FETFaultPhase\_Cnt\_M\_enum 0 0 SVDiag\_FETFaultType\_Cnt\_M\_enum 20000 SVDiag\_GateDriveFltAcc\_Cnt\_M\_u16 20000 ± 1 SVDiag\_GenGateDriveFltAcc\_Cnt\_M\_u16 80 80 ± 1 SVDiag\_MtrDrvInitActive\_Cnt\_M\_lgc 1 SVDiag\_MtrDrvInitComp\_Cnt\_M\_lgc SVDiag\_MtrDrvInitStartTime\_mS\_M\_u32p0 1233 1233 ± 1 8888 8888 ± 1 SVDiag\_OnStateFltAcc\_Cnt\_M\_u16 SVDiag\_ResetWaitLoop\_Cnt\_M\_lgc 0  $target\_MtrDrvDiag\_Per1\_FETFaultPhase\_Cnt\_enum.value$ 0 0 target\_MtrDrvDiag\_Per1\_FETFaultType\_Cnt\_enum.value  $target\_MtrDrvDiag\_Per1\_GateDriveResetActive\_Cnt\_lgc.value$ 1 1

0x4C

0x01

0x01

T				<b>a</b>
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	<b>~</b>
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	
$target\_Rte\_Call\_Sa\_MtrDrvDiag\_NxtrDiagMgr\_GetNTCFailed\_NTCFailed\_Ptr\_T\_lg$	0	
$target\_Rte\_Call\_Sa\_MtrDrvDiag\_SystemTime\_DtrmnElapsedTime\_mS\_u16\_ElapsedTime\_mSunfaces and the start of the$	23000	
target_Rte_Call_Sa_MtrDrvDiag_SystemTime_DtrmnElapsedTime_uS_u16_Elapse	19100	
target Rte Call Sa MtrDrvDiag SystemTime GetSystemTime mS u32 CurrentTi	100000000	
$target\_Rte\_Call\_Sa\_MtrDrvDiag\_SystemTime\_GetSystemTime\_uS\_u32\_CurrentTime\_ususususususususususususususususususus$	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	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	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	<b>~</b>

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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_FetFit1Data_OP_GET Rte_Call_Sa_MtrDrvDiag_FetFit2Clk_OP_GET Rte_Call_Sa_MtrDrvDiag_NxtrDiagMgr_SetNTCStatus ProcBridgeFit Rte_Call_Sa_MtrDrvDiag_NxtrDiagMgr_GetNTCFailed ReadMtrDrvFltData Rte_Call_Sa_MtrDrvDiag_IOHwAbPortConfig_SetFetFit2ToOutput Rte_Call_Sa_MtrDrvDiag_FetFit2Clk_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	<b>✓</b>
ateDrvWaitTime	1.	Rte_Call_Sa_MtrDrvDiag_FetFlt1Data_OP_GET	1	~
	1	Rte_Call_Sa_MtrDrvDiag_FetFlt2Clk_OP_SET	1	<b>✓</b>
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	<b>V</b>
tte_Call_Sa_MtrDrvDiag_FetFlt2Clk_OP_SET	1	Rte_Call_Sa_MtrDrvDiag_FetFlt2Clk_OP_SET	1	Ž
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		<b>V</b>
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	<b>~</b>
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	<b>✓</b>
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	<b>✓</b>
tte_Call_Sa_MtrDrvDiag_FetFlt2Clk_OP_SET	1	Rte Call Sa MtrDrvDiag FetFlt2Clk OP SET	1	~
eateDryWaitTime	1	GateDrvWaitTime	1	<b>✓</b>
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	<b>₩</b>
tateDrvWaitTime	1	GateDrvWaitTime	1	•
tte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32	1	Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32	1	<b>V</b>
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	<b>✓</b>
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	<b>✓</b>
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	<b>-</b>
Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32	1	Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32	1	•
Rte_Call_Sa_MtrDrvDiag_SystemTime_DtrmnElapsedTime_uS_u16	1	Rte_Call_Sa_MtrDrvDiag_SystemTime_DtrmnElapsedTime_uS_u16	1	<b>✓</b>
Rte_Call_Sa_MtrDrvDiag_FetFlt2Clk_OP_SET	1	Rte_Call_Sa_MtrDrvDiag_FetFlt2Clk_OP_SET	1	<b>~</b>
GateDrvWaitTime	1	GateDrvWaitTime	1	<b>~</b>
Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32	1	Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32	1	<b>~</b>
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	<b>✓</b>

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	
$target\_Rte\_Call\_Sa\_MtrDrvDiag\_SystemTime\_GetSystemTime\_mS\_u32\_CurrentTime\_mS\_u32\_CurrentTime\_mS\_u32\_CurrentTime\_mS\_u32\_CurrentTime\_mS\_u32\_CurrentTime\_mS\_u32\_CurrentTime\_mS\_u33\_Curren$	20000000	
target Rte Call Sa MtrDrvDiag SystemTime GetSystemTime uS u32 CurrentTire	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_lgc	target_MtrDrvDiag_Per1_GateDriveResetAc	tive_Cnt_lgc	
target_Rte_Inst_Sa_MtrDrvDiag.MtrDrvDiag_Per1_MtrDrvrInitComplete_Cnt_lgc	target_MtrDrvDiag_Per1_MtrDrvrInitComplet	te_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	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	~

T				<b>✓</b>
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
$target\_Rte\_Call\_Sa\_MtrDrvDiag\_NxtrDiagMgr\_GetNTCFailed\_NTCFailed\_Ptr\_T\_lgrame and the property of the proper$	1
target Rte Call Sa MtrDrvDiag SystemTime DtrmnElapsedTime mS u16 Elapse	29000
$target\_Rte\_Call\_Sa\_MtrDrvDiag\_SystemTime\_DtrmnElapsedTime\_uS\_u16\_Ela$	21100
$target\_Rte\_Call\_Sa\_MtrDrvDiag\_SystemTime\_GetSystemTime\_mS\_u32\_CurrentTime\_mS\_u32\_CurrentTime\_mS\_u32\_CurrentTime\_mS\_u32\_CurrentTime\_mS\_u32\_CurrentTime\_mS\_u32\_CurrentTime\_mS\_u332\_Current$	30000000

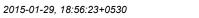




Name	Input Value		
target_Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32_CurrentTir	1100000		
target_Rte_Inst_Sa_MtrDrvDiag.MtrDrvDiag_Per1_FETFaultPhase_Cnt_enum	target_MtrDrvDiag_Per1_FETFaultPhase_Cr	nt_enum	
target_Rte_Inst_Sa_MtrDrvDiag.MtrDrvDiag_Per1_FETFaultType_Cnt_enum	target_MtrDrvDiag_Per1_FETFaultType_Cnt	_enum	
target_Rte_Inst_Sa_MtrDrvDiag.MtrDrvDiag_Per1_GateDriveResetActive_Cnt_Igc	target_MtrDrvDiag_Per1_GateDriveResetAct	rive_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_Igc	target_MtrDrvDiag_Per1_MtrDrvrInitStart_Cr	ıt_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	~

T				<b>✓</b>
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	<b>✓</b>
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	<b>✓</b>

Test Sten 2.40 (Benest Count = 4)	
Test Step 2.10 (Repeat Count = 1)	<u> </u>
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		
$target\_Rte\_Call\_Sa\_MtrDrvDiag\_SystemTime\_DtrmnElapsedTime\_mS\_u16\_ElapsedTime\_mS_u16\_Ela$	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	~

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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	<b>V</b>
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	<b>V</b>
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	<b>V</b>
GateDrvWaitTime	1	GateDrvWaitTime	1	•
Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32	1	Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32	1	<b>✓</b>
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	<b>✓</b>
Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32	1	Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32	1	~
Rte_Call_Sa_MtrDrvDiag_SystemTime_DtrmnElapsedTime_uS_u16	1	Rte_Call_Sa_MtrDrvDiag_SystemTime_DtrmnElapsedTime_uS_u16	1	•
Rte_Call_Sa_MtrDrvDiag_FetFlt2Clk_OP_SET	1	Rte_Call_Sa_MtrDrvDiag_FetFlt2Clk_OP_SET	1	~
GateDrvWaitTime	1	GateDrvWaitTime	1	~
Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32	1	Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_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	<b>V</b>
Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32	1	Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32	1	· ·
Rte_Call_Sa_MtrDrvDiag_SystemTime_DtrmnElapsedTime_uS_u16	1	Rte_Call_Sa_MtrDrvDiag_SystemTime_DtrmnElapsedTime_uS_u16	1	<b>V</b>
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	<b>✓</b>
Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32	1	Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_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	<b>✓</b>
Rte_Call_Sa_MtrDrvDiag_SystemTime_DtrmnElapsedTime_uS_u16	1	Rte_Call_Sa_MtrDrvDiag_SystemTime_DtrmnElapsedTime_uS_u16	1	~
Rte_Call_Sa_MtrDrvDiag_FetFlt2Clk_OP_SET	1	Rte_Call_Sa_MtrDrvDiag_FetFlt2Clk_OP_SET	1	<b>✓</b>
GateDrvWaitTime	1	GateDrvWaitTime	1	~
Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32	1	Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32	1	<b>✓</b>
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	<b>~</b>

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_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	<b>✓</b>
Param	0x00	0x00	~
Status	0x00	0x00	~
NTC	0x4E	0x4E	~
Param	0x00	0x00	~
Status	0x00	0x00	~
NTC	0x4F	0x4F	•
Param	0x00	0x00	~
Status	0x00	0x00	~

T				<b>✓</b>
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	<b>✓</b>
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
VDiag_FETFaultPhase_Cnt_M_enum	1
VDiag_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
VDiag_MtrDrvInitStartTime_mS_M_u32p0	100000
VDiag_OnStateFltAcc_Cnt_M_u16	65535
VDiag_ResetWaitLoop_Cnt_M_lgc	0
_GateDriveDiag_Cnt_str.Threshold	50000
_GateDriveDiag_Cnt_str.PStep	11000
_GateDriveDiag_Cnt_str.NStep	4444
_OnStateDiag_Cnt_str.Threshold	11000
_OnStateDiag_Cnt_str.PStep	24000
_OnStateDiag_Cnt_str.NStep	2222
arget_MtrDrvDiag_Per1_MtrDrvrInitStart_Cnt_lgc.value	0
arget_Rte_Call_Sa_MtrDrvDiag_FetFlt2Clk_OP_GET_signal	0
arget_Rte_Call_Sa_MtrDrvDiag_NxtrDiagMgr_GetNTCFailed_NTCFailed_Ptr_T_lg	1
arget_Rte_Call_Sa_MtrDrvDiag_SystemTime_DtrmnElapsedTime_mS_u16_Elapse	38000
rrget_Rte_Call_Sa_MtrDrvDiag_SystemTime_DtrmnElapsedTime_uS_u16_Elapse	24100
rget_Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_mS_u32_CurrentTi	60000000
arget_Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32_CurrentTir	1400000
rget_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_C	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	<b>✓</b>	
SVDiag_MtrDrvInitStartTime_mS_M_u32p0	100000	100000 ± 1	~	
SVDiag_OnStateFltAcc_Cnt_M_u16	63313	63313 ± 1	<b>✓</b>	
SVDiag_ResetWaitLoop_Cnt_M_lgc	0	0	~	
target_MtrDrvDiag_Per1_FETFaultPhase_Cnt_enum.value	1	1	<b>✓</b>	
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	<b>✓</b>	
NTC	0x4E	0x4E	~	
Param	0x00	0x00	•	
Status	0x00	0x00	•	
NTC	0x4F	0x4F	•	
Param	0x00	0x00	•	
Status	0x00	0x00	•	

Т				<b>✓</b>
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	<b>✓</b>
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	<b>~</b>
Rte_Call_MtrDrvDiag_Per1_CP1_CheckpointReached	1	Rte_Call_MtrDrvDiag_Per1_CP1_CheckpointReached	1	<b>~</b>



Test Step 2.13 (Repeat Count = 1)	Inmut Value		
Name	Input Value		
Rte_Call_Sa_MtrDrvDiag_FetFlt2Clk_OP_GET(signal)	target_Rte_Call_Sa_MtrDrvDiag_FetFlt2C	,	
Rte_Call_Sa_MtrDrvDiag_NxtrDiagMgr_GetNTCFailed(NTCFailed_Ptr_T_lgc)		Mgr_GetNTCFailed_NTCFailed_Ptr_T_lgc	
Rte_Call_Sa_MtrDrvDiag_SystemTime_DtrmnElapsedTime_mS_u16(ElapsedTime)		ime_DtrmnElapsedTime_mS_u16_ElapsedTim	
Rte_Call_Sa_MtrDrvDiag_SystemTime_DtrmnElapsedTime_uS_u16(ElapsedTime)		ime_DtrmnElapsedTime_uS_u16_ElapsedTime	е
Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_mS_u32(CurrentTime)		ime_GetSystemTime_mS_u32_CurrentTime	
Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32(CurrentTime)	target_Rte_Call_Sa_MtrDrvDiag_SystemT	ime_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	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 Igc.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			
target_Rte_Call_Sa_MtrDrvDiag_SystemTime_DtrmnElapsedTime_uS_u16_Elapse			
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_CurrentT			
target Rte Call Sa MtrDrvDiag SystemTime GetSystemTime uS u32 CurrentTime			
target_Rte_Inst_Sa_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 C	_	
target_Rte_Inst_Sa_MtrDrvDiag.MtrDrvDiag_Per1_GateDriveResetActive_Cnt_Igc	target_MtrDrvDiag_Per1_GateDriveResetA	_	
target Rte Inst Sa MtrDrvDiag.MtrDrvDiag Per1 MtrDrvrInitComplete Cnt Igc	target MtrDrvDiag Per1 MtrDrvrInitComp		
target_Rte_Inst_Sa_MtrDrvDiag_MtrDrvDiag_Per1_MtrDrvrInitStart_Cnt_lgc	target_MtrDrvDiag_Per1_MtrDrvrInitStart_		
Name	Actual Value	Expected Value	Result
	2	2	Result
SVDiag_FETFaultPhase_Cnt_M_enum	2	2	
SVDiag_FETFaultType_Cnt_M_enum			
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	•
		a .=	
NTC	0x4F	0x4F	•
NTC Param	0x4F 0x00	0x4F 0x00	-

Т				<b>✓</b>
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	<b>✓</b>
Rte Call MtrDryDiag Per1 CP1 ChecknointReached	1	Pte Call MtrDryDiag Per1 CP1 ChecknointReached	1	



SVDiag_FETFaultPhase_Cnt_M_enum       3       3       3         SVDiag_FETFaultType_Cnt_M_enum       0       0       0         SVDiag_GateDriveFltAcc_Cnt_M_u16       10000       10000 ± 1       0         SVDiag_GenGateDriveFltAcc_Cnt_M_u16       130       130 ± 1       0         SVDiag_MtrDrvInitActive_Cnt_M_lgc       1       1       1         SVDiag_MtrDrvInitComp_Cnt_M_lgc       1       1       1         SVDiag_MtrDrvInitStartTime_mS_M_u32p0       300000       300000 ± 1       0
Rec_Call_Sa_MrthOrbolag_NetrolingAgr_cethTCFs(pring)     Rec_Call_Sa_MrthOrbolag_NetrolingAgr_cethTCFsledt(NTCFalled_Ptr_T_lgc)     Rec_Call_Sa_MrthOrbolag_NetrolingAgr_cethTCFsledt(NTCFalled_Ptr_T_lgc)     Rec_Call_Sa_MrthOrbolag_NetrolingAgr_cethTCFsledt(Ptr_Talled_Ptr_T_lgc)     Rec_Call_Sa_MrthOrbolag_NetrolingAgr_cethTcFsledt(Ptr_Talled_Ptr_T_lgc)     Rec_Call_Sa_MrthOrbolag_NetrolingAgr_cethTcFsledt(Ptr_Talled_Ptr_T_lgc)     Rec_Call_Sa_MrthOrbolag_NetrolingAgr_cethTcFsledt(Ptr_Talled_Ptr_T_lgc)     Rec_Call_Sa_MrthOrbolag_NetrolingAgr_cethTcFsledt(Ptr_Talled_Ptr_T_lgc)     Rec_Call_Sa_MrthOrbolag_NetrolingAgr_cethTcFsledt(Ptr_Talled_Ptr_T_lgc)     Rec_Call_Sa_MrthOrbolag_NetrolingAgr_cethTcFsledt(Ptr_Talled_Ptr_T_lgc)     Rec_Call_Sa_MrthOrbolag_NetrolingAgr_cethTcFsledt(Ptr_Talled_Ptr_T_lgc)     Rec_Call_Sa_MrthOrbolag_NetrolingAgr_cethTcFsledt(Ptr_Talled_Ptr_T_lgc)     Rec_Call_Sa_MrthOrbolag_Netroling_NetrolingAgr_cethTcFsledt(Ptr_Talled_Ptr_T_lgc)     Rec_Call_Sa_MrthOrbolag_Netroling_Netroling_NetrolingAgr_cethTcFsledt(Ptr_Talled_Ptr_T_lgc)     Rec_Call_Sa_MrthOrbolag_Netroling_Netroli
Ric Call Sa, MrtDr/Olag, NstPanMgr, GeNTCFalled/NTCFalled, Pit_Tigo   Ric Call Sa, MrtDr/Olag, SystemTime_DrimnElapsedTime_ms_u16(ElapsedTime)   Ric Call Sa, MrtDr/Olag, SystemTime_DrimnElapsedTime_ms_u16(ElapsedTime)   Ric Call Sa, MrtDr/Olag, SystemTime_CetSystemTime_ms_u3c(CurrentTime)   Ric Call Sa, MrtDr/Olag, SystemTime_GetSystemTime_ms_u3c(CurrentTime)   Ric Call Sa, MrtDr/Olag, SystemTime_GetSystemTime_u3c(Call Sa, MrtDr/Olag, SystemTime_u3c(Call Sa, MrtDr/Olag, SystemTime_U3c(Ca
Rtc Call Sa, MrtDr/Dilag, SystemTime, DrmmcElapsedTime   Mg. Call Sa, MrtDr/Dilag, SystemTime, DrmmcElapsedTime   Mg. Call Sa, MrtDr/Dilag, SystemTime   GetSystemTime   Mg. Call Sa, MrtDr/Dilag, SystemTime   GetSystemTime   Mg. Call Sa, MrtDr/Dilag, SystemTime   GetSystemTime   Mg. Call Sa, MrtDr/Dilag   SystemTime   Mg. Call Sa, MrtDr/Dilag   SystemTime   Mg. Call Sa, MrtDr/Dilag   Mg. Call Sa, MrtDr/Dila
Rec_Call_Sa_MtrDrvDloag_SystemTime_DimmeElapsedTime_us_us_u52(CurrentTime)   Ric_Call_Sa_MtrDrvDloag_SystemTime_GetSystemTime_us_u52(CurrentTime)   Ric_Call_Sa_MtrDrvDloag_SystemTime_GetSystemTime_us_u52(CurrentTime)   Ric_Call_Sa_MtrDrvDloag_SystemTime_GetSystemTime_us_u52(CurrentTime)   Ric_Call_Sa_MtrDrvDloag_SystemTime_GetSystemTime_us_u52(CurrentTime)   Ric_Call_Sa_MtrDrvDloag_SystemTime_GetSystemTime_us_u52(CurrentTime)   Ric_Call_Sa_MtrDrvDloag_SystemTime_GetSystemTime_us_u52(CurrentTime)   Ric_Call_Sa_MtrDrvDloag_SystemTime_Us_u52(CurrentTime)   Ri
Rec_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_Us_U32(CurrenTime)   Rec_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_Us_U32(CurrenTime)   Rec_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_Us_U32(CurrenTime)   Rec_Inst_Sa_MtrDrvDiag_SystemTime_GetSystemTime_Us_U32(CurrenTime)   Rec_Inst_Sa_MtrDrvDiag_SystemTime_Us_U32(CurrenTime)   Rec_Inst_Sa_MtrDrvDiag_SystemTime_Us_U32(CirrenTime)   Rec_Inst_Sa_MtrDrvDiag_SystemTime_Us_U32(CirrenTime)   Rec_Inst_Sa_MtrDrvDiag_SystemTime_Us_U32(CirrenTime)   Rec_Inst_Sa_MtrDrvDiag_SystemTime_Us_U32(CirrenTime)   Rec_Inst
Ric_Call_Sa_MtrDn/Diag_SystemTime_GetSystemTime_uS_u32_CurrentTime   target_Ric_Call_Sa_MtrDn/Diag_SystemTime_uS_u32_CurrentTime   target_Ric_Inst_Sa_MtrDn/Diag_SystemTime_uS_u32_CurrentTime   target_Ric_Inst_Sa_MtrDn/Diag_SystemTime_uS_u32_CurrentTime   target_Ric_Call_Sa_MtrDn/Diag_SystemTime_US_u32_CurrentTime   target_Ric_Call_Sa_MtrDn/Diag_SystemTime_US_u32_CurrentTime   target_Ric_Inst_Sa_MtrDn/Diag_SystemTime_DetRysitemTime_uS_u16_Elapse   target_Ric_Inst_Sa_MtrDn/Diag_SystemTime_DetRysitemTime_uS_u16_Elapse   target_Ric_Inst_Sa_MtrDn/Diag_SystemTime_DetRysitemTime_uS_u16_Elapse   target_Ric_Inst_Sa_MtrDn/Diag_SystemTime_DetRysitemTime_uS_u16_Elapse   target_Ric_Inst_Sa_MtrDn/Diag_SystemTime_DetRysitemTime_uS_u16_Elapse   target_Ric_Inst_Sa_MtrDn/Diag_SystemTime_DetRysitemTime_uS_u16_Elapse   target_Ric_Inst_Sa_MtrDn/Diag_SystemTime_DetRysitemTime_uS_u16_Elapse   target_Ric_Inst_Sa_MtrDn/Diag_SystemTime_DirrentElapsedTime_uS_u16_Elapse   target_Ric_Inst_Sa_MtrDn/Diag_SystemTime_Si_Unst_DirentSi_Unst_Unst_DirentSi_Unst_Unst_Unst_Unst_Unst_Unst_Unst_Unst
Re_Inst_Sa_MtrOnDiag
SVDiag_EtTFaultPhase_Cnt_M_enum
SVDiag_EFTFaultType_Cnt_M_enum
SVDlag_GaleDiveFiRac_Cnt_M_u16
SVDiag_MtrDvinitActive_Cnt_M_lgc         1           SVDiag_MtrDvinitStartTime_mS_M_u32p0         3000000           SVDiag_CnStateFitAcc_Cnt_M_u16         14100           SVDiag_ResetWalt.oop_Cnt_M_lgc         60000           K_GateDriveDiag_Cnt_str.PStep M         13000           K_GateDriveDiag_Cnt_str.PStep M         13000           K_GnstedDiag_Cnt_str.PStep M         13000           K_OnStateDiag_Cnt_str.PStep M         26000           K_OnStateDiag_Cnt_str.PStep M         4444           K_OnStateDiag_Pert_MtrDvinitStart_Cnt_lgc_value         1           target_Rte_Call_Sa_MtrDvDiag_Pert_MtrDvinitStart_Cnt_lgc_value         1           target_Rte_Call_Sa_MtrDvDiag_Pert_MtrDvinimElapsedTime_mS_u16_Elapse dataget_Rte_Call_Sa_MtrDvDiag_Pert_MtrDvinimElapsedTime_mS_u16_Elapse dataget_Rte_Call_Sa_MtrDvDiag_SystemTime_DtrmElapsedTime_uS_u16_Elapse dataget_Rte_Call_Sa_MtrDvDiag_SystemTime_DtrmElapsedTime_uS_u16_Elapse dataget_Rte_Call_Sa_MtrDvDiag_SystemTime_GetSystemTime_uS_u22_CurrentTit_target_Rte_Call_Sa_MtrDvDiag_SystemTime_GetSystemTime_uS_u22_CurrentTit_target_Rte_Call_Sa_MtrDvDiag_Pert_FETFaultPhase_Cnt_enum         16000000000000000000000000000000000000
SVDiag_MtrDvinitStartTime_mS_M_u32p0
SVDiag_MtrDrvInitStartTime_ms_M_u32p0   3000000   SVDiag_CnStateFiAcc_Cnt_M_u16   14100   SVDiag_CnStateFiAcc_Cnt_M_u16   0   0   0   0   0   0   0   0   0
SVDiag_MtrDvinitStartTime_mS_M_u32p0         3000000           SVDiag_RestValitCop_Cnt_M_u16         14100           K_GateDriveDiag_Cnt_str.Threshold         600000           K_GateDriveDiag_Cnt_str.Threshold         13000           K_GateDriveDiag_Cnt_str.Nstep         0           K_OnStateDiag_Cnt_str.Threshold         13000           K_OnStateDiag_Cnt_str.Threshold         20000           K_OnStateDiag_Cnt_str.StrStep         20000           K_OnStateDiag_Cnt_str.NStep         4444           target_Ric_Call_Sa_MtrDrvInigStart_Cnt_Igc_value         1           target_Ric_Call_Sa_MtrDrvInig_StreTime_Cnt_Igc_value         1           target_Ric_Call_Sa_MtrDrvInig_SystemTime_DtrmnElapsedTime_mS_u16_Elapse         44000           target_Ric_Call_Sa_MtrDrvInig_SystemTime_DtrmnElapsedTime_mS_u32_CurrentTr         54000           target_Ric_Call_Sa_MtrDrvInig_SystemTime_GetSystemTime_uS_u32_CurrentTr         10000000           target_Ric_Call_Sa_MtrDrvInig_SystemTime_GetSystemTime_uS_u32_CurrentTr         10000000           target_Ric_Inst_Sa_MtrDrvInig_MtrDrvInig_Per1_FETFaullType_Cnt_enum         target_MtrDrvInig_Per1_FETFaullType_Cnt_enum           target_Ric_Inst_Sa_MtrDrvInig_MtrDrvInig_Per1_MtrDrvrinitStart_Cnt_lgc         target_MtrDrvInig_Per1_MtrDrvrinitComplete_Cnt_lgc           target_Ric_Inst_Sa_MtrDrvInig_MtrDrvInig_Per1_MtrDrvrinitStart_Cnt_lgc         target_MtrDrvInig_Per1_MtrDrvrin
SVDiag_ResetWaitLoop_Cnt_M_lgc   Ck_GateDriveDiag_Cnt_str.Threshold   Company
K_ GateDriveDiag_Cnt_str.Threshold         600000           K_ GateDriveDiag_Cnt_str.PStep         130000           K_ GateDriveDiag_Cnt_str.NStep         0           K_ OnStateDiag_Cnt_str.PStep         260000           K_ OnStateDiag_Cnt_str.PStep         260000           K_ OnStateDiag_Cnt_str.PStep         260000           K_ OnStateDiag_Cnt_str.NStep         44444           Larget_Rte_Call_Sa_MtrDrvDiag_Ferf_MtDrvInisStar_Cnt_[gc_value]         1           Larget_Rte_Call_Sa_MtrDrvDiag_NstrDiag_Myg_CetNTCFailed_Ptr_T_gl         1           Larget_Rte_Call_Sa_MtrDrvDiag_NstremIme_DtrmnElapsedTime_ms_u16_Elapset         44000           Larget_Rte_Call_Sa_MtrDrvDiag_SystemTime_DtrmnElapsedTime_us_u16_Elapset         26100           Larget_Rte_Call_Sa_MtrDrvDiag_SystemTime_DetSystemTime_us_u32_CurrentTri         8600000000           Larget_Rte_Call_Sa_MtrDrvDiag_SystemTime_DetSystemTime_us_u32_CurrentTri         1600000000           Larget_Rte_Inst_Sa_MtrDrvDiag_MtrDrvDiag_Per1_FETFaultType_Cnt_enum         16000000000000000000000000000000000000
k_GateDriveDiag_Cnt_str.PStep         13000           k_OnStateDiag_Cnt_str.NStep         0           k_OnStateDiag_Cnt_str.Pstep         26000           k_OnStateDiag_Cnt_str.PStep         26000           k_OnStateDiag_Cnt_str.NStep         4444           target_Rte_Call_Sa_MtrDrvDiag_FetFit2Clk_OP_GET_signal         1           target_Rte_Call_Sa_MtrDrvDiag_SystemTime_DtrnnElapsedTime_mS_u16_Elapse         44000           target_Rte_Call_Sa_MtrDrvDiag_SystemTime_DtrnnElapsedTime_mS_u16_Elapse         26100           target_Rte_Call_Sa_MtrDrvDiag_SystemTime_DtrnnElapsedTime_mS_u32_CurrentTir         1600000           target_Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32_CurrentTir         16000000           target_Rte_lnst_Sa_MtrDrvDiag_MtrDrvDiag_Per1_FETFaultPhase_Cnt_enum         1600000           target_Rte_lnst_Sa_MtrDrvDiag_MtrDrvDiag_Per1_FETFaultType_Cnt_enum         1600000           target_Rte_lnst_Sa_MtrDrvDiag_MtrDrvDiag_Per1_MtrDrvInitComplete_Cnt_lgc         1600000           target_Rte_lnst_Sa_MtrDrvDiag_MtrDrvDiag_Per1_MtrDrvInitComplete_Cnt_lgc         1600000           target_Rte_lnst_Sa_MtrDrvDiag_MtrDrvDiag_Per1_MtrDrvInitStart_Cnt_lgc         16000000           target_Rte_lnst_Sa_MtrDrvDiag_MtrDrvDiag_Per1_MtrDrvInitStart_Cnt_lgc         16000000000000000000000000000000000000
k_GateDriveDlag_Cnt_str.NStep         0           k_OnStateDlag_Cnt_str.PStep         26000           k_OnStateDlag_Cnt_str.PStep         26000           k_OnStateDlag_Cnt_str.NStep         44444           target_MtrDrvDlag_Per1_MtrDrvInitStart_Cnt_lgc.value         1           target_Rte_Call_Sa_MtrDrvDlag_NxtrDlagMgr_GetNTCFailed_NTCFailed_Ptr_T_jg_t         1           target_Rte_Call_Sa_MtrDrvDlag_NxtrDlagMgr_GetNTCFailed_NTCFailed_Ptr_T_jg_t         1           target_Rte_Call_Sa_MtrDrvDlag_SystemTime_DtrmnElapsedTime_mS_u16_Elapse         44000           target_Rte_Call_Sa_MtrDrvDlag_SystemTime_DtrmnElapsedTime_uS_u16_Elapse         26100           target_Rte_Call_Sa_MtrDrvDlag_SystemTime_GetSystemTime_uS_u32_CurrentTill         800000000           target_Rte_Call_Sa_MtrDrvDlag_SystemTime_GetSystemTime_US_u32_CurrentTill         16000000           target_Rte_Inst_Sa_MtrDrvDlag_NtrDrvDlag_Per1_FETFaultType_Cnt_enum         14000000           target_Rte_Inst_Sa_MtrDrvDlag_MtrDrvDlag_Per1_FETFaultType_Cnt_enum         14000000           target_Rte_Inst_Sa_MtrDrvDlag_MtrDrvDlag_Per1_MtrDrvrinitComplete_Cnt_lgc         14000000000000000000000000000000000000
K_OnStateDiag_Cnt_str.Threshold   13000
\$\constateDiag_Cnt_str_PStep   26000
k_OnStateDiag_Cnt_str.NStep target_MtrDrvDiag_Per1_MtrDrvInitStart_Cnt_lgc.value 1 target_Rte_Call_Sa_MtrDrvDiag_Per1EtFl2Cik_OP_GET_signal target_Rte_Call_Sa_MtrDrvDiag_NtrDiagMgr_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_CurrentTir target_Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_mS_u32_CurrentTir target_Rte_Inst_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32_CurrentTir target_Rte_Inst_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32_CurrentTir target_Rte_Inst_Sa_MtrDrvDiag_MtrDrvDiag_Per1_FETFaultPhase_Cnt_enum target_Rte_Inst_Sa_MtrDrvDiag_MtrDrvDiag_Per1_FETFaultPhase_Cnt_enum target_Rte_Inst_Sa_MtrDrvDiag_MtrDrvDiag_Per1_FETFaultPhase_Cnt_lgc target_Rte_Inst_Sa_MtrDrvDiag_MtrDrvDiag_Per1_MtrDrvrInitComplete_Cnt_lgc target_Rte_Inst_Sa_MtrDrvDiag_MtrDrvDiag_Per1_MtrDrvrInitStart_Cnt_lgc target_Rte_Inst_Sa_MtrDrvDiag_MtrDrvDiag_Per1_MtrDrvrInitStart_Cnt_lgc target_MtrDrvDiag_Per1_MtrDrvTnitStart_Cnt_lgc target_MtrDrvDiag_Per1_MtrDrvTnitStart_Cnt_lgc target_MtrDrvDiag_Per1_MtrDrvTnitStart_Cnt_lgc target_MtrDrvDiag_Per1_MtrDrvTnitStart_Cnt_lgc target_MtrDrvDiag_Per1_MtrDrvTnitStart_Cnt_lgc target_MtrDrvDiag_Per1_MtrDrvTnitStart_Cnt_lgc target_MtrDrvDiag_Per1_MtrDrvTnitStart_Cnt_lgc target_MtrDrvDiag_Per1_MtrDrvTnitStart_Cnt_lgc target_MtrDrvDiag_Per1_MtrDrvTnitStart_Cnt_lgc target_MtrDrvDriag_Per1_MtrDrvTnitStart_Cnt_lgc target_MtrDrvDriag_Per1_MtrDrvTnitStart_Cnt_lgc target_MtrDrvDriag_Per1_MtrDrvTnitStart_Cnt_lgc target_MtrDrvDriag_Per1_MtrDrvTnitStart_Cnt_lgc target_MtrDrvDriag_Per1_MtrDrvTnitStart_Cnt_lgc target_MtrDrvDriag_Per1_MtrDrvTnitStart_Cnt_lgc target_MtrDrvDriag_Per1_MtrDrvTnitStart_Cnt_lgc target_MtrDrvDriag_MtrDrvTnitStart_Cnt_lgc target_MtrDrvDriag_MtrDrvDriag_MtrDrvDriag_MtrDrvDriag_MtrDrvDriag_MtrDrvDriag_MtrDrvDriag_MtrDrvDriag_MtrDrvDriag_MtrDrvDriag_MtrDrvDriag_MtrDrvDriag_MtrDrvDriag_MtrDrvDria
target_MtrDrvDiag_Per1_MtrDrvInitStart_Cnt_lgc.value
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_Elapse target_Rte_Call_Sa_MtrDrvDiag_SystemTime_DtrmnElapsedTime_mS_u16_Elapse target_Rte_Call_Sa_MtrDrvDiag_SystemTime_DtrmnElapsedTime_mS_u32_CurrentTir target_Rte_Call_Sa_MtrDrvDiag_SystemTime_uS_u32_CurrentTir target_Rte_Call_Sa_MtrDrvDiag_SystemTime_uS_u32_CurrentTir target_Rte_Inst_Sa_MtrDrvDiag_MtrDrvDiag_Per1_FETFaultType_Cnt_enum target_Rte_Inst_Sa_MtrDrvDiag_MtrDrvDiag_Per1_FETFaultType_Cnt_enum target_Rte_Inst_Sa_MtrDrvDiag_MtrDrvDiag_Per1_SetPiseutType_Cnt_lgc target_Rte_Inst_Sa_MtrDrvDiag_MtrDrvDiag_Per1_MtrDrvrInitComplete_Cnt_lgc target_Rte_Inst_Sa_MtrDrvDiag_MtrDrvDiag_Per1_MtrDrvrInitStart_Cnt_lgc target_Rte_Inst_Sa_MtrDrvDiag_MtrDrvDiag_Per1_MtrDrvrInitStart_Cnt_lgc target_Rte_Inst_Sa_MtrDrvDiag_MtrDrvDiag_Per1_MtrDrvrInitStart_Cnt_lgc target_Rte_Inst_Sa_MtrDrvDiag_MtrDrvDiag_Per1_MtrDrvrInitStart_Cnt_lgc target_Rte_Inst_Sa_MtrDrvDiag_MtrDrvDiag_Per1_MtrDrvrInitStart_Cnt_lgc target_MtrDrvDiag_Per1_MtrDrvrInitStart_Cnt_lgc target_MtrDrvDiag_MtrDrvInitStart_Cnt_lgc target_MtrDrvDiag_Per1_MtrDrvrInitStart_Cnt_lgc target_MtrDrvDiag_Per1_MtrDrvrInitStart_Cnt_lgc target_MtrDrvDiag_Per1_MtrDrvrInitStart_Cnt_lgc target_MtrDrvDiag_Per1_MtrDrvrInitStart_Cnt_lgc target_MtrDrvDiag_Per1_MtrDrvTnitStart_Cnt_lgc target_MtrDrvDiag_Per1_MtrDrvTnitStart_Cnt_lgc target_MtrDrvDiag_Per1_MtrDrvDiag_Per1_MtrDrvTnitStart_Cnt_lgc target_MtrDrvDiag_Per1_MtrDrvDiag_Per1_MtrDrvTnitStart_Cnt_lgc target_Mtr
target_Rte_Call_Sa_MtrDrvDiag_NxtrDiagMgr_GetNTCFailed_NTCFailed_Ptr_T_Ig         1           target_Rte_Call_Sa_MtrDrvDiag_SystemTime_DtrmnElapsedTime_mS_u16_Elapse         44000           target_Rte_Call_Sa_MtrDrvDiag_SystemTime_DtrmnElapsedTime_uS_u16_Elapse         26100           target_Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_mS_u32_CurrentTir         800000000           target_Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32_CurrentTir         1600000           target_Rte_Inst_Sa_MtrDrvDiag_MtrDrvDiag_Per1_FETFaultPhase_Cnt_enum         target_Rte_Inst_Sa_MtrDrvDiag_MtrDrvDiag_Per1_FETFaultType_Cnt_enum           target_Rte_Inst_Sa_MtrDrvDiag_MtrDrvDiag_Per1_MtrDrvrInitComplete_Cnt_Igc         target_MtrDrvDiag_MtrDrvDiag_MtrDrvDiag_Per1_MtrDrvrInitStart_Cnt_Igc           target_Rte_Inst_Sa_MtrDrvDiag_MtrDrvDiag_Per1_MtrDrvrInitStart_Cnt_Igc         target_MtrDrvDiag_Per1_MtrDrvrInitStart_Cnt_Igc           Name         Actual Value         Expected Value         Result           SVDiag_FETFaultType_Cnt_M_enum         3         3         3           SVDiag_GateDriveFitAcc_Cnt_M_u16         10000         10000 ± 1         1           SVDiag_GenGateDriveFitAcc_Cnt_M_u16         130         130 ± 1         1           SVDiag_MtrDrvInitComp_Cnt_M_Igc         1         1         4           SVDiag_MtrDrvInitStartTime_mS_M_u32p0         3000000         3000000 ± 1         3000000 ± 1
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_CurrentTire target_Rte_Call_sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32_CurrentTire target_Rte_Inst_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32_CurrentTire target_Rte_Inst_Sa_MtrDrvDiag_MtrDrvDiag_Per1_FETFaultPhase_Cnt_enum target_Rte_Inst_Sa_MtrDrvDiag_Per1_FETFaultType_Cnt_enum target_Rte_Inst_Sa_MtrDrvDiag_MtrDrvDiag_Per1_GateDriveResetActive_Cnt_lgc target_Rte_Inst_Sa_MtrDrvDiag_Per1_MtrDrvrInitComplete_Cnt_lgc target_Rte_Inst_Sa_MtrDrvDiag_Per1_MtrDrvrInitStart_Cnt_lgc target_Rte_Inst_Sa_MtrDrvDiag_Per1_MtrDrvrInitStart_Cnt_lgc target_MtrDrvDiag_Per1_MtrDrvDiag_Per1_MtrDrvInitStart_Cnt_lgc target_MtrDrvDiag_Per1_MtrDrvInitStart_Cnt_lgc target_MtrDrvDiag_Per1_MtrDrvDiag_Per1_MtrDrvInitStart_Cnt_lgc target_MtrDrvDiag_Per1_MtrDrvDiag_Per1_MtrDrvDiag_Per1_MtrDrvDiag_Per1_MtrDrvDiag_Per1_MtrDrvDiag_Per1_MtrDrvDiag_Per1_MtrDrvDiag_Per1_M
target_Rte_Call_Sa_MtrDrvDiag_SystemTime_DtrmnElapsedTime_uS_u16_Elapse target_Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32_CurrentTit target_Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32_CurrentTit target_Rte_Inst_Sa_MtrDrvDiag_MtrDrvDiag_Per1_FETFaultPhase_Cnt_enum target_Rte_Inst_Sa_MtrDrvDiag_MtrDrvDiag_Per1_FETFaultType_Cnt_enum target_Rte_Inst_Sa_MtrDrvDiag_MtrDrvDiag_Per1_GateDriveResetActive_Cnt_lgc target_Rte_Inst_Sa_MtrDrvDiag_MtrDrvDiag_Per1_MtrDrvrInitComplete_Cnt_lgc target_Rte_Inst_Sa_MtrDrvDiag_MtrDrvDiag_Per1_MtrDrvrInitComplete_Cnt_lgc target_Rte_Inst_Sa_MtrDrvDiag_MtrDrvDiag_Per1_MtrDrvrInitComplete_Cnt_lgc target_Rte_Inst_Sa_MtrDrvDiag_Per1_MtrDrvrInitStart_Cnt_lgc target_MtrDrvDiag_Per1_MtrDrvrInitComplete_Cnt_lgc target_MtrDrvDiag_Per1_MtrDrvrInitComplete_Cnt_lgc target_MtrDrvDiag_Per1_MtrDrvrInitStart_Cnt_lgc  Mame  Actual Value  Expected Value  Result  SVDiag_FETFaultPhase_Cnt_M_enum  0 0 0 0  SVDiag_GateDriveFltAcc_Cnt_M_u16  SVDiag_GateDriveFltAcc_Cnt_M_u16  130 130 ± 1  SVDiag_GenGateDriveFltAcc_Cnt_M_u16  SVDiag_MtrDrvInitActive_Cnt_M_lgc  1 1 1  SVDiag_MtrDrvInitComp_Cnt_M_lgc  3 300000 ± 1
target_Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_mS_u32_CurrentTir target_Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32_CurrentTir target_Rte_Inst_Sa_MtrDrvDiag_MtrDrvDiag_Per1_FETFaultPhase_Cnt_enum target_Rte_Inst_Sa_MtrDrvDiag_MtrDrvDiag_Per1_GateDriveResetActive_Cnt_lgc target_Rte_Inst_Sa_MtrDrvDiag_MtrDrvDiag_Per1_MtrDrvInitComplete_Cnt_lgc target_Rte_Inst_Sa_MtrDrvDiag_MtrDrvDiag_Per1_MtrDrvInitStart_Cnt_lgc target_Rte_Inst_Sa_MtrDrvDiag_MtrDrvDiag_Per1_MtrDrvInitStart_Cnt_lgc target_Rte_Inst_Sa_MtrDrvDiag_MtrDrvDiag_Per1_MtrDrvInitStart_Cnt_lgc target_Rte_Inst_Sa_MtrDrvDiag_MtrDrvDiag_Per1_MtrDrvInitStart_Cnt_lgc target_Rte_Inst_Sa_MtrDrvDiag_Per1_MtrDrvInitStart_Cnt_lgc target_Rte_Inst_Sa_MtrDrvDiag_Per1_MtrDrvInitStart_Cnt_lgc target_Rte_Inst_Sa_MtrDrvDiag_Per1_MtrDrvInitStart_Cnt_lgc target_RtrDrvDiag_Per1_MtrDrvInitStart_Cnt_lgc target_MtrDrvDiag_Per1_MtrDrvInitStart_Cnt_lgc target_MtrDrvDiag_Per1_MtrDrvDiag_Per1_MtrDrvDiag_Per1_MtrDrvDiag_Per1_MtrDrvDiag_Per1_MtrDrvDiag_
target_Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32_CurrentTir target_Rte_Inst_Sa_MtrDrvDiag_Per1_FETFaultPhase_Cnt_enum target_Rte_Inst_Sa_MtrDrvDiag_Per1_FETFaultType_Cnt_enum target_Rte_Inst_Sa_MtrDrvDiag_Per1_GateDriveResetActive_Cnt_lgc target_Rte_Inst_Sa_MtrDrvDiag_Per1_MtrDrvrInitComplete_Cnt_lgc target_Rte_Inst_Sa_MtrDrvDiag_Per1_MtrDrvrInitComplete_Cnt_lgc target_Rte_Inst_Sa_MtrDrvDiag_Per1_MtrDrvrInitStart_Cnt_lgc target_Rte_Inst_Sa_MtrDrvDiag_Per1_MtrDrvrInitStart_Cnt_lgc target_Rte_Inst_Sa_MtrDrvDiag_Per1_MtrDrvrInitStart_Cnt_lgc target_Rte_Inst_Sa_MtrDrvDiag_Per1_MtrDrvrInitStart_Cnt_lgc target_Rte_Inst_Sa_MtrDrvDiag_Per1_MtrDrvrInitStart_Cnt_lgc target_MtrDrvDiag_Per1_MtrDrvrInitStart_Cnt_lgc target_MtrDrvDiag_Per1_MtrDrvInitStart_Cnt_lgc target_MtrDrvDiag_Per1_MtrDrvInitStart_Cnt_lgc target_MtrDrvInitStart_Cnt_lgc
target_Rte_Inst_Sa_MtrDrvDiag_Per1_FETFaultPhase_Cnt_enum target_Rte_Inst_Sa_MtrDrvDiag_Per1_FETFaultType_Cnt_enum target_Rte_Inst_Sa_MtrDrvDiag_Per1_GateDriveResetActive_Cnt_lgc target_Rte_Inst_Sa_MtrDrvDiag_Per1_MtrDrvrInitComplete_Cnt_lgc target_Rte_Inst_Sa_MtrDrvDiag_Per1_MtrDrvrInitComplete_Cnt_lgc target_Rte_Inst_Sa_MtrDrvDiag_Per1_MtrDrvrInitStart_Cnt_lgc target_Rte_Inst_Sa_MtrDrvDiag_Per1_MtrDrvrInitStart_Cnt_lgc target_Rte_Inst_Sa_MtrDrvDiag_Per1_MtrDrvrInitStart_Cnt_lgc target_Rte_Inst_Sa_MtrDrvDiag_Per1_MtrDrvrInitStart_Cnt_lgc  Name  Actual Value  Expected Value  Result  SVDiag_FETFaultType_Cnt_M_enum  0 0 0 0 V SVDiag_GateDriveFitAcc_Cnt_M_u16 10000 10000 ± 1 00000 ± 1 00000 ± 1 0V SVDiag_GenGateDriveFitAcc_Cnt_M_u16 130 130 ± 1 0V SVDiag_MtrDrvInitActive_Cnt_M_lgc 11 11 SVDiag_MtrDrvInitStartTime_mS_M_u32p0 300000 ± 1
target_Rte_Inst_Sa_MtrDrvDiag_Per1_FETFaultType_Cnt_enum target_Rte_Inst_Sa_MtrDrvDiag_Per1_GateDriveResetActive_Cnt_lgc target_Rte_Inst_Sa_MtrDrvDiag_MtrDrvDiag_Per1_MtrDrvrInitComplete_Cnt_lgc target_Rte_Inst_Sa_MtrDrvDiag_MtrDrvDiag_Per1_MtrDrvrInitStart_Cnt_lgc target_Rte_Inst_Sa_MtrDrvDiag_MtrDrvDiag_Per1_MtrDrvrInitStart_Cnt_lgc target_Rte_Inst_Sa_MtrDrvDiag_MtrDrvDiag_Per1_MtrDrvrInitStart_Cnt_lgc  Name  Actual Value  Expected Value  Result  SVDiag_FETFaultType_Cnt_M_enum  SVDiag_GateDriveFltAcc_Cnt_M_u16  10000  10000 ± 1  SVDiag_GateDriveFltAcc_Cnt_M_u16  130  130 ± 1  SVDiag_MtrDrvInitActive_Cnt_M_lgc  SVDiag_MtrDrvInitComp_Cnt_M_lgc  1 1 1  SVDiag_MtrDrvInitStartTime_mS_M_u32p0  300000 ± 1
target_Rte_Inst_Sa_MtrDrvDiag_Per1_GateDriveResetActive_Cnt_lgc target_Rte_Inst_Sa_MtrDrvDiag_Per1_MtrDrvrInitComplete_Cnt_lgc target_Rte_Inst_Sa_MtrDrvDiag_Per1_MtrDrvrInitStart_Cnt_lgc target_Rte_Inst_Sa_MtrDrvDiag_Per1_MtrDrvrInitStart_Cnt_lgc target_Rte_Inst_Sa_MtrDrvDiag_Per1_MtrDrvrInitStart_Cnt_lgc  Name  Actual Value  Expected Value  Result SVDiag_FETFaultType_Cnt_M_enum  SVDiag_GateDriveFltAcc_Cnt_M_u16  10000  10000 ± 1  SVDiag_GenGateDriveFltAcc_Cnt_M_u16  130  130 ± 1  SVDiag_MtrDrvInitActive_Cnt_M_lgc  SVDiag_MtrDrvInitComp_Cnt_M_lgc  1 1 1  SVDiag_MtrDrvInitStart_Time_mS_M_u32p0  300000 ± 1
target_Rte_Inst_Sa_MtrDrvDiag_Per1_MtrDrvrInitComplete_Cnt_Igc         target_Rte_Inst_Sa_MtrDrvDiag_MtrDrvDiag_Per1_MtrDrvrInitStart_Cnt_Igc           Name         Actual Value         Expected Value         Result           SVDiag_FETFaultPhase_Cnt_M_enum         3         3         3           SVDiag_GateDriveFltAcc_Cnt_M_enum         0         0         4           SVDiag_GateDriveFltAcc_Cnt_M_u16         10000         10000 ± 1         4           SVDiag_GenGateDriveFltAcc_Cnt_M_u16         130         130 ± 1         4           SVDiag_MtrDrvInitActive_Cnt_M_lgc         1         1         4           SVDiag_MtrDrvInitComp_Cnt_M_lgc         1         1         4           SVDiag_MtrDrvInitStartTime_mS_M_u32p0         300000         300000 ± 1         4
target_Rte_Inst_Sa_MtrDrvDiag_Per1_MtrDrvrInitStart_Cnt_lgc         target_MtrDrvDiag_Per1_MtrDrvrInitStart_Cnt_lgc           Name         Actual Value         Expected Value         Result           SVDiag_FETFaultPhase_Cnt_M_enum         3         3         3           SVDiag_GateDriveFltAcc_Cnt_M_enum         0         0         0           SVDiag_GateDriveFltAcc_Cnt_M_u16         10000         10000 ± 1         5           SVDiag_GenGateDriveFltAcc_Cnt_M_u16         130         130 ± 1         5           SVDiag_MtrDrvInitActive_Cnt_M_lgc         1         1         4           SVDiag_MtrDrvInitComp_Cnt_M_lgc         1         1         4           SVDiag_MtrDrvInitStartTime_mS_M_u32p0         300000         300000 ± 1         5
Name         Actual Value         Expected Value         Result           SVDiag_FETFaultPhase_Cnt_M_enum         3         3         3           SVDiag_FETFaultType_Cnt_M_enum         0         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_FETFaultPhase_Cnt_M_enum       3       3       3         SVDiag_FETFaultType_Cnt_M_enum       0       0       0         SVDiag_GateDriveFltAcc_Cnt_M_u16       10000       10000 ± 1       0         SVDiag_GenGateDriveFltAcc_Cnt_M_u16       130       130 ± 1       0         SVDiag_MtrDrvInitActive_Cnt_M_lgc       1       1       1         SVDiag_MtrDrvInitComp_Cnt_M_lgc       1       1       1         SVDiag_MtrDrvInitStartTime_mS_M_u32p0       300000       300000 ± 1       0
SVDiag_FETFaultType_Cnt_Menum         0         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_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_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_MtrDrvInitActive_Cnt_M_lgc         1         1         V           SVDiag_MtrDrvInitComp_Cnt_M_lgc         1         1         1           SVDiag_MtrDrvInitStartTime_mS_M_u32p0         300000         300000 ± 1         V
SVDiag_MtrDrvInitComp_Cnt_M_lgc         1         1         1           SVDiag_MtrDrvInitStartTime_mS_M_u32p0         300000         300000 ± 1         •
SVDiag_MtrDrvInitStartTime_mS_M_u32p0         300000         300000 ± 1
CVDing On State Filther Ont M 146
SVDiag_OnStateFltAcc_Cnt_M_u16 9656 9656 ± 1 ✓
SVDiag_ResetWaitLoop_Cnt_M_lgc 0
target_MtrDrvDiag_Per1_FETFaultPhase_Cnt_enum.value 3
target_MtrDrvDiag_Per1_FETFaultType_Cnt_enum.value 0 0
target_MtrDrvDiag_Per1_GateDriveResetActive_Cnt_lgc.value 0
target_MtrDrvDiag_Per1_MtrDrvrInitComplete_Cnt_Igc.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         ✓

T				✓
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	<b>✓</b>
Rte_Call_Sa_MtrDrvDiag_FetFlt2Clk_OP_GET	1	Rte_Call_Sa_MtrDrvDiag_FetFlt2Clk_OP_GET	1	<b>✓</b>
Rte_Call_Sa_MtrDrvDiag_NxtrDiagMgr_SetNTCStatus	3	Rte_Call_Sa_MtrDrvDiag_NxtrDiagMgr_SetNTCStatus	3	<b>✓</b>
Rte_Call_MtrDrvDiag_Per1_CP1_CheckpointReached	1	Rte_Call_MtrDrvDiag_Per1_CP1_CheckpointReached	1	<b>~</b>



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 Igc	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 <sub>1</sub> 0		
$target\_Rte\_Call\_Sa\_MtrDrvDiag\_SystemTime\_DtrmnElapsedTime\_mS\_u16\_ElapsedTime\_mS_u16\_Ela$	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	

T				✓
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 2.16 (Repeat Count = 1) Name	Input Value		
Rte_Call_Sa_MtrDrvDiag_FetFlt2Clk_OP_GET(signal)	target_Rte_Call_Sa_MtrDrvDiag_Fe	etElt2Clk OP GET signal	
Rte_Call_Sa_MtrDrvDiag_NxtrDiagMgr_GetNTCFailed(NTCFailed_Ptr_T_lgc)		xtrDiagMgr_GetNTCFailed_NTCFailed_Pti	r T lac
Rte Call Sa MtrDrvDiag SystemTime DtrmnElapsedTime mS u16(ElapsedTime		ystemTime_DtrmnElapsedTime_mS_u16_	
Rte_Call_Sa_MtrDrvDiag_SystemTime_DtrmnElapsedTime_uS_u16(ElapsedTime)		ystemTime_DtrmnElapsedTime_uS_u16_b	
Rte Call Sa MtrDrvDiag SystemTime GetSystemTime mS u32(CurrentTime)		ystemTime GetSystemTime mS u32 Cu	
Rte Call Sa MtrDrvDiag SystemTime GetSystemTime uS u32(CurrentTime)		ystemTime_GetSystemTime_uS_u32_Cur	
Rte Inst Sa MtrDrvDiag	target_Rte_Inst_Sa_MtrDrvDiag	yotem rime_cottoyotem rime_uo_uo2_our	ioner into
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 OnStateFitAcc Cnt M u16	16100		
SVDiag ResetWaitLoop Cnt M Igc	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 Igc.value	1		
target Rte Call Sa MtrDrvDiag FetFlt2Clk OP GET signal	0		
target_Rte_Call_Sa_MtrDrvDiag_NxtrDiagMgr_GetNTCFailed_NTCFailed_Ptr_T_I	-		
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_ButhinLiapsedTime_u3_u10_Liapsedtarget_Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_mS_u32_CurrentT			
target_Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_u3_u32_CurrentTi			
target_Rte_Inst_Sa_MtrDrvDiag_System*** TFETFaultPhase_Cnt_enum	target_MtrDrvDiag_Per1_FETFaultF	Phase Cat enum	
target Rte Inst Sa MtrDrvDiag.MtrDrvDiag Per1 FETFaultType Cnt enum			
	target_MtrDrvDiag_Per1_FETFault1 target MtrDrvDiag Per1 GateDrive		
target_Rte_Inst_Sa_MtrDrvDiag.MtrDrvDiag_Per1_GateDriveResetActive_Cnt_lgc			
target_Rte_Inst_Sa_MtrDrvDiag.MtrDrvDiag_Per1_MtrDrvrInitComplete_Cnt_Igc	target_MtrDrvDiag_Per1_MtrDrvrIni		
target_Rte_Inst_Sa_MtrDrvDiag.MtrDrvDiag_Per1_MtrDrvrInitStart_Cnt_Igc	target_MtrDrvDiag_Per1_MtrDrvrIni		
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	9000	9000 ± 1	
SVDiag_GenGateDriveFltAcc_Cnt_M_u16	150	150 ± 1	
SVDiag_MtrDrvInitActive_Cnt_M_lgc	1	1	
SVDiag_MtrDrvInitComp_Cnt_M_lgc	1	1	
SVDiag_MtrDrvInitStartTime_mS_M_u32p0	500000	500000 ± 1	
SVDiag_OnStateFltAcc_Cnt_M_u16	9434	9434 ± 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	
	1	0x00	
Status	0x00	0.000	
	0x00 0x4F	0x4F	
Status			

T				✓
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)			✓
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	0		
SVDiag_GateDriveFltAcc_Cnt_M_u16	13000		
SVDiag_GenGateDriveFltAcc_Cnt_M_u16	160		
SVDiag_MtrDrvInitActive_Cnt_M_lgc	0		
SVDiag_MtrDrvInitComp_Cnt_M_lgc	1		
SVDiag_MtrDrvInitStartTime_mS_M_u32p0	600000		
SVDiag_OnStateFltAcc_Cnt_M_u16	17100		
SVDiag_ResetWaitLoop_Cnt_M_lgc	0		
k_GateDriveDiag_Cnt_str.Threshold	22222		
k_GateDriveDiag_Cnt_str.PStep	16000		
k_GateDriveDiag_Cnt_str.NStep	9999		
k_OnStateDiag_Cnt_str.Threshold	16000		
k_OnStateDiag_Cnt_str.PStep	29000		
k_OnStateDiag_Cnt_str.NStep	0		
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		
$target\_Rte\_Call\_Sa\_MtrDrvDiag\_SystemTime\_DtrmnElapsedTime\_mS\_u16\_ElapsedTime\_mSulfalesedTime$	53000		
target_Rte_Call_Sa_MtrDrvDiag_SystemTime_DtrmnElapsedTime_uS_u16_Elapse	4444		
$target\_Rte\_Call\_Sa\_MtrDrvDiag\_SystemTime\_GetSystemTime\_mS\_u32\_CurrentTime\_mS_u32\_CurrentTime\_mS_u32\_CurrentTime\_mS_u32\_CurrentTime\_mS_u32\_CurrentTime\_mS_u32\_CurrentTime\_mS_u32\_CurrentTime\_mS_u32\_CurrentTime\_mS_u32\_CurrentTime\_mS_u32\_CurrentTime\_mS_u332\_CurrentTime$	20000000		
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_c	1900000		
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	t_enum	
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	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	2	2	~
SVDiag_FETFaultType_Cnt_M_enum	0	0	~
SVDiag_GateDriveFltAcc_Cnt_M_u16	3001	3001 ± 1	~
SVDiag_GenGateDriveFltAcc_Cnt_M_u16	160	160 ± 1	~
SVDiag_MtrDrvInitActive_Cnt_M_lgc	0	0	~
SVDiag_MtrDrvInitComp_Cnt_M_lgc	1	1	<b>✓</b>
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			<b>✓</b>
target_MtrDrvDiag_Per1_MtrDrvrInitComplete_Cnt_lgc.value	0	0	
	1	1	~
NTC			
NTC Param	1	1	~
	1 0x4D	1 0x4D	~
Param	1 0x4D 0x00	1 0x4D 0x00	· ·
Param Status	1 0x4D 0x00 0x00	1 0x4D 0x00 0x00	· · · · · · · · · · · · · · · · · · ·
Param Status NTC	1 0x4D 0x00 0x00 0x4E	1 0x4D 0x00 0x00 0x0E	· · · · · · · · · · · · · · · · · · ·
Param Status NTC Param	1 0x4D 0x00 0x00 0x00 0x4E 0x00	1 0x4D 0x00 0x00 0x00 0x4E 0x00	· · · · · · · · · · · · · · · · · · ·
Param Status NTC Param Status	1 0x4D 0x00 0x00 0x00 0x4E 0x00 0x00	1 0x4D 0x00 0x00 0x00 0x4E 0x00 0x00	\ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \

T				<b>✓</b>
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	<b>✓</b>
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	<b>✓</b>
Rte_Call_MtrDrvDiag_Per1_CP1_CheckpointReached	1	Rte_Call_MtrDrvDiag_Per1_CP1_CheckpointReached	1	•



Name	Test Step 2.18 (Repeat Count = 1)			<b>✓</b>
Rep. Cast S. A MithOrNoug ForFildORL_OP_CET (signal)		Input Value		
Risk Call Sa MichOrding Northing Nort		•	OP GET signal	
Rec_Call Sa_MinOrOlag_SystemTime_DimmElapeaeTime_ms_info[ElapeaeTime_Ns_Call Sa_MinOrOlag_SystemTime_DimmElapeaeTime_Ns_Call Sa_MinOrOlag_SystemTime_DimmElapeaeTime_Ns_Call Sa_MinOrOlag_SystemTime_DimmElapeaeTime_Ns_Call Sa_MinOrOlag_SystemTime_OetSystemTime_ns_Call Sa_MinOrOlag_SystemTime_OetSystemTime_us_Su2CurrentTime_Ns_Lall_Call_Call_Call_Call_Call_Call_Call				
Rec Call Sa Mithorologia SystemTime DimmiclasperdTime u.S. u.tit. ElapserdTime Name Call Sa Mithorologia SystemTime (GelsystemTime (Gelsyst				
Ric Call Sa, MirthOrola, SystemTrime_ cell-SystemTrime_ms_in2_CurrentTrime   Integrate Ric Call Sa, MirthOrola, SystemTrime_ms_in2_CurrentTrime   Integrate Ric Call Sa, MirthOrola, SystemTrime_GelsSystemTrime_Us_in2_CurrentTrime   Integrate Ric Call Sa, MirthOrola, SystemTrime_GelsSystemTrime_Sin_Us_in2_CurrentTrime   Integrate Ric Call Sa, MirthOrola, SystemTrime_Gels				•
Rispart Sa Michorologic SystemTime Cell SystemTime Us u32 CurrentTime   Introch Nicologic SystemTime   Introch Nicologic S				
Integer   Re_Inst_Sa_MithOrDing   Stronger   Re_Inst_Sa_MithOrDing   Stronger   Re_Inst_Sa_MithOrDing   Stronger   Re_Inst_Sa_MithOrDing   Stronger   Re_Inst_Sa_MithOrDing   Stronger   Re_Inst_Sa_MithOrDing   Re_Inst_Sa_		0 = = = 0= /	_ /	
SVDlag ETFTAMIPhase Cnt M. enum	, _ , _ , _ , _ , _ , _ ,		c_octoystem mic_uo_uoz_ouncht mic	
SyDing_   Selbrother Pilots_C, Crt_M_u16				
SVDag GaleDiveRMAC_CM_M_165				
SVDiag_AlfroPrintEduce_Cnt_M_1ge				
SVDiag MitroVindsComp Cot M, Mgs	0			
SVDag MitroVinitiserTime_mS_M_u32p0				
SVDiag   MitrovinististarTime, mis_M   u32p0				
SVDiag RestWallLoop, Cnt, ML y   19				
SVDag ResetMailLong, Cnf, str Pistend   K. GaleDriveDiag, Cnf, str Pisten   K. GonStateDiag, Cnf, str Pisten   Larget, Ref, Caff, Sa, MithorDroing, SystemTime, CP, GeT, signal   Larget, Ref, Caff, Sa, MithorDroing, SystemTime, DefineDeposition use, unit of the structure of th				
K_GateDriveDiag_Cnt_str PisteDiag K_GateDriveDiag_Cnt_st NisteP K_GateDriveDiag_Cnt_st NisteP K_GateDriveDiag_Cnt_st NisteP K_GateDriveDiag_Cnt_st NisteP K_GateDriveDiag_Cnt_st NisteP SUBSED_SUBSED				
K_ GateDriveDiag_Cnt_str NStep K_ GateDriveDiag_Cnt_str NStep K_ OnStateDag_Cnt_str NStep Starge_MtDrvDiag_Per1_MtDrvIntIStart_Cnt_lgc_value  target_Rct_Gal_Sa_MtDrvDiag_Per1_MtDrvIntIStart_Cnt_lgc_value  target_Rct_Gal_Sa_MtDrvDiag_NtrDiagMgr_GetNTCFalled_NTCFalled_Ptr_1_lg  target_Rct_Gal_Sa_MtDrvDiag_NtrDiagMgr_GetNTCFalled_NTCFalled_Ptr_1_lg  target_Rct_Gal_Sa_MtDrvDiag_NtrDiagMgr_GetNTCFalled_NTCFalled_Ptr_1_lg  target_Rct_Gal_Sa_MtDrvDiag_NtrDiagNgr_GetNTCFalled_NTCFalled_Ptr_1_lg  target_Rct_Gal_Sa_MtDrvDiag_NtrDiagNgr_GetNTCFalled_NTCFalled_Ptr_1_lg  target_Rct_Gal_Sa_MtDrvDiag_NtrDiag_NtrDiag_Ptr_1_FETFaultPhase_Cnt_enum  target_Rct_Gal_Sa_MtDrvDiag_NtrDivDiag_Ptr_1_FETFaultPhase_Cnt_enum  target_Rct_lnst_Sa_MtDrvDiag_NtrDivDiag_Ptr_1_FETFaultPhase_Cnt_lgc  target_Rct_lnst_Sa_MtDrvDiag_NtrDivDiag_Ptr_1_FETFaultPhase_Cnt_lgc  target_Rct_lnst_Sa_MtDrvDiag_NtrDivDiag_Ptr_1_MtDrvinilComplet_Cnt_lgc  target_Rct_lnst_Sa_MtDrvDiag_NtrDivDiag_Ptr_1_Rct_lnst_lnst_lnst_lnst_lnst_lnst_lnst_lns				
March   Mar		17000		
k. OnStateDiag Cnt_str.Threshold         17000           k. OnStateDiag Cnt_str.PSiep         5000           k. OnStateDiag Cnt_str.NStrip         65535           target_MtDrvDiag_Fert_MtDrvinisSart_Cnt_jcz value         1           target_Rte_Call_Sa_MtDrvDiag_TertIt2Cik_OP_GET_signal         0           target_Rte_Call_Sa_MtDrvDiag_NtdrDiagMgr_GetNTCFalled_NTCFalled_Ptr_T_jg         5000           target_Rte_Call_Sa_MtDrvDiag_SystemTime_DtrmnElapsedTime_us_u16_Elapsed         5000           target_Rte_Call_Sa_MtDrvDiag_SystemTime_GetSystemTime_ms_u32_CurrentTive_cont_get_Rte_Call_Sa_MtDrvDiag_SystemTime_GetSystemTime_ms_u32_CurrentTive_cont_get_Rte_Inst_Sa_MtDrvDiag_MtDrvDiag_Pert_FETFaultPhase_Cnt_enum         target_Rte_Call_Sa_MtDrvDiag_MtDrvDiag_Pert_FETFaultPhase_Cnt_enum           target_Rte_Inst_Sa_MtDrvDiag_MtDrvDiag_Pert_ETFTaultPps_Cnt_enum         target_MtrDrvDiag_Pert_Sa_MtDrvDiag_MtDrvDiag_Pert_MtDrvDrinistar_Cnt_get           target_Rte_Inst_Sa_MtbrDrvDiag_MtDrvDiag_Pert_MtDrvDrinistar_Cnt_get         target_MtbrvDiag_Pert_Sa_Sa_MtbrvDrinistar_Cnt_get           target_Rte_Inst_Sa_MtbrvDiag_MtDrvDiag_Pert_MtDrvDrinistar_Cnt_get         target_MtbrvDiag_Pert_MtDrvDrinistar_Cnt_get           target_Rte_Inst_Sa_MtbrvDiag_MtDrvDiag_MtDrvDiag_Pert_MtDrvDrinistar_Cnt_get         target_MtbrvDiag_Pert_MtDrvDrinistar_Cnt_get           value_Inst_Name_Cnt_Inst_Inst_Inst_Inst_Inst_Inst_Inst_In				
\$\ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \		17000		
K_ONSIEDIAI_ORL STANSIED    target_MitrDr/Driag_Pert_MitrDr/InitStart_Cnt_gc value     target_MitrDr/Driag_Pert_MitrDr/InitStart_Cnt_gc value     target_Rte_Call_Sa_MitrDr/Driag_Pert_MitrDr/InitStart_Cnt_gc value     target_Rte_Call_Sa_MitrDr/Driag_SystemTime_DitrmReliageedTime_ms_u16_Elapse     target_Rte_Call_Sa_MitrDr/Driag_SystemTime_GetSystemTime_ms_u26_CurrentTi     target_Rte_Call_Sa_MitrDr/Driag_SystemTime_GetSystemTime_ms_u26_CurrentTi     target_Rte_Call_Sa_MitrDr/Driag_SystemTime_GetSystemTime_ms_u26_CurrentTi     target_Rte_Call_Sa_MitrDr/Driag_SystemTime_GetSystemTime_us_u26_CurrentTi     target_Rte_Inst_Sa_MitrDr/Driag_MitrDr/Driag_Pert_FETFaultPhase_Cnt_enum     target_Rte_Inst_Sa_MitrDr/Driag_MitrDr/Driag_Pert_FETFaultPhase_Cnt_enum     target_Rte_Inst_Sa_MitrDr/Driag_MitrDr/Driag_Pert_FETFaultPhase_Cnt_enum     target_Rte_Inst_Sa_MitrDr/Driag_MitrDr/Driag_Pert_FETFaultPhase_Cnt_enum     target_Rte_Inst_Sa_MitrDr/Driag_MitrDr/Driag_Pert_MitrDr/InitStart_Cnt_enum     target_Rte_Inst_Sa_MitrDr/Driag_MitrDr/Driag_Pert_MitrDr/InitStart_Cnt_enum     target_Rte_Inst_Sa_MitrDr/Driag_MitrDr/Driag_Pert_MitrDr/InitStart_Cnt_enum     target_Rte_Inst_Sa_MitrDr/Driag_MitrDr/Driag_Pert_MitrDr/InitStart_Cnt_enum     target_MitrDr/Driag_Pert_MitrDr/InitStart_Cnt_enum     target_MitrDr/Driag_Pert_MitrDr/InitStart_Cnt_enum     target_MitrDr/Driag_Pert_MitrDr/InitStart_Cnt_enum     target_MitrDr/Driag_Pert_MitrDr/InitStart_Cnt_enum     \$2		30000		
target_RttoObjag_Per1_MtrOnvinitStart_Cnt_lgc value   1   1   1   1   1   1   1   1   1		65535		
larget_Ric_Call_Sa_MitroVoliag_RefirECik_OP_GET_signal   carrier_Ric_Call_Sa_MitroVoliag_NystemTime_DtrmnElapsedTime_mS_u16_Elapse   5555		1		
target Ric Call Sa MitrDrvDiag SystemTime DitmnElapsedTime_us_u16_Elapse target. Ric Call Sa MitrDrvDiag SystemTime DitmnElapsedTime_us_u16_Elapse target. Ric Call Sa MitrDrvDiag SystemTime GetSystemTime_us_u32_CurrentTire target. Ric Isal Sa MitrDrvDiag SystemTime_GetSystemTime_us_u32_CurrentTire target. Ric Isal Sa MitrDrvDiag Pert_ETFaultPhase_Cnt_enum target. Ric Isal Sa MitrDrvDiag Pert_MitrDrvinitComplete_Cnt_got target. Ric Isal Sa MitrDrvDiag MitrDrvDiag Pert_MitrDrvinitComplete_Cnt_got target. MitrDrvDiag Pert_MitrDrvinitSator_Ung         Actual Value         Expected Value         Result target. MitrDrvInitSator_Ung         Result value         Actual Value         Support development of the property of target. MitrDrvInitSator_Ung         Result value         Actual Value         Support development of target. MitrDrvInitSator_Ung         Result value         Actual Value         Actual Value         Result value         Actual Value         Act		0		
target_Rte_Call_Sa_MtrDrvDiag_SystemTime_DitrmsElapsedTime_uS_u3E_CurrentTi   200000001   target_Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_mS_u3E_CurrentTi   20000001   target_Rte_Inst_Sa_MtrDrvDiag_Pert_FETFaultPhase_Cnt_enum   target_Rte_Inst_Sa_MtrDrvDiag_Pert_GateDriveResetActive_Cnt_ugc   target_MtrDrvDiag_Pert_Sa_MtrDrvDiag_Pert_GateDriveResetActive_Cnt_ugc   target_MtrDrvDiag_Pert_Sa_MtrDrvDiag_Pert_GateDriveResetActive_Cnt_ugc   target_MtrDrvDiag_Pert_MtrDr	target_Rte_Call_Sa_MtrDrvDiag_NxtrDiagMgr_GetNTCFailed_NTCFailed_Ptr_T_lgr	1		
larget_Rtc_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_Ms_u32_CurrentTire         500000000           target_Rtc_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_Ms_u32_CurrentTire         200000000           target_Rtc_Inst_Sa_MtrDrvDiag_Pert_FETFaulthSee_Cnt_enum         target_Rtle_Inst_Sa_MtrDrvDiag_Pert_FETFaulthSee_Cnt_enum         target_Rtle_Inst_Sa_MtrDrvDiag_Pert_FETFaulthYpe_Cnt_enum         target_Rtle_Inst_Sa_MtrDrvDiag_Pert_	target_Rte_Call_Sa_MtrDrvDiag_SystemTime_DtrmnElapsedTime_mS_u16_Elapse	56000		
target_Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32_CurrentTire_target_Rte_inst_Sa_MtrDrvDiag_MtrDrvDiag_Per1_ETETaultPhase_Cnt_enum target_Rte_inst_Sa_MtrDrvDiag_MtrDrvDiag_Per1_ETETaultPhase_Cnt_enum target_Rte_inst_Sa_MtrDrvDiag_MtrDrvDiag_Per1_ETETaultPhase_Cnt_enum target_Rte_inst_Sa_MtrDrvDiag_MtrDrvDiag_Per1_AttrDrvrInitComplete_Cnt_ige target_Rte_inst_Sa_MtrDrvDiag_MtrDrvDiag_Per1_MtrDrvrInitComplete_Cnt_ige target_Rte_inst_Sa_MtrDrvDiag_MtrDrvDiag_Per1_MtrDrvrInitComplete_Cnt_ige target_Rte_inst_Sa_MtrDrvDiag_MtrDrvDiag_Per1_MtrDrvrInitStart_Cnt_ige target_MtrDrvDiag_Per1_MtrDrvrinitStart_Cnt_ige target_MtrDrvDiag_Per1_MtrDrvrinitComp_Cnt_ige target_MtrDrvDiag_Per1_MtrDrvrinitComp_Cnt_ige target_MtrDrvDiag_Per1_ETETaultPhase_Cnt_enum.value target_MtrDrvDiag_Per1_ETETaultPhase_Cnt_enum.value target_MtrDrvDiag_Per1_ETETaultPhase_Cnt_ige.value target_MtrDrvDiag_Per1_ETETaultPhase_Cnt_ige.value target_MtrDrvDiag_Per1_MtrDrvrinitComplete_Cnt_ige.value target_MtrDrvDiag_Per1_MtrDrvrinitComplete_Cnt_ige.value target_MtrDrvDiag_Per1_MtrDrvrinitComplete_Cnt_ige.value target_MtrDrvDiag_Per1_MtrDrvrinitComplete_Cnt_ige.value target_MtrDrvDiag_Per1_MtrDrvrinitComplete_Cnt_ige.value target_MtrDrvDiag_Per1_MtrDrvrinitComplete_Cnt_ige.value target_MtrDrvDiag_Per1_MtrDrvrinitComplete_Cnt_ige.value target_MtrDrvDiag_Per1_MtrDrvrinitComplete_Cnt_ige.value target_MtrDrvDiag_Per1_MtrDrvrinitComplete_Cnt_ige.value target_MtrDrvDiag_Per1_MtrDrvDi	target_Rte_Call_Sa_MtrDrvDiag_SystemTime_DtrmnElapsedTime_uS_u16_Elapse	5555		
target_Rte_Inst_Sa_MtrDrvDiag_MtrDrvDiag_Per1_FETFaultType_Cnt_enum         target_Rte_Inst_Sa_MtrDrvDiag_MtrDrvDiag_Per1_FETFaultType_Cnt_enum         target_Rte_Inst_Sa_MtrDrvDiag_MtrDrvDiag_Per1_FETFaultType_Cnt_enum         target_Rte_Inst_Sa_MtrDrvDiag_MtrDrvDiag_Per1_MtrDrvInitCompletc_Cnt_Igc         target_Rte_Inst_Sa_MtrDrvDiag_MtrDrvDiag_Per1_MtrDrvInitCompletc_Cnt_Igc         target_Rte_Inst_Sa_MtrDrvDiag_MtrDrvDiag_Per1_MtrDrvInitStar_Cnt_Igc         target_MtrDrvDiag_Per1_MtrDrvInitCompletc_Cnt_Igc         target_MtrDrvDiag_Per1_MtrDrvInitStar_Cnt_Igc         target_MtrDrvDiag_Per1_MtrDrvInitStar_Cnt_Igc         Repoted Value         Result           Name         Actual Value         Expected Value         Result           SVDiag_FETFaultType_Cnt_M_enum         2         2         2           SVDiag_GateDriveFitAcc_Cnt_M_u16         170         170 ± 1         2           SVDiag_GateDriveFitAcc_Cnt_M_u16         170         170 ± 1         2           SVDiag_MtrDrvInitActive_Cnt_M_u16         1         1         1         2           SVDiag_MtrDrvInitStarTime_mS_M_u32p0         700000         7000000 ± 1         2         2           SVDiag_Der1_ETFTaultType_Cnt_enum.value         0         0 ± 1         2         2           SVDiag_Der1_ETFTaultType_Cnt_enum.value         2         2         2         2           starget_MtrDrvDiag_Per1_ETFTaultType_Cnt_enum.value         3         4	target_Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_mS_u32_CurrentTi	25000000		
target_Rte_Inst_Sa_MtrDrvDiag_MtrDrvDiag_Per1_FETFaultType_Cnt_enum         target_Rte_Inst_Sa_MtrDrvDiag_MtrDrvDiag_Per1_GateDriveResetActive_Cnt_Igo         target_Rte_Inst_Sa_MtrDrvDiag_MtrDrvDiag_Per1_MtrDrvInitComplete_Cnt_Igo         target_MtrDrvDiag_Per1_MtrDrvDiag_Per1_MtrDrvInitComplete_Cnt_Igo         target_MtrDrvDiag_Per1_MtrDrvInitComplete_Cnt_Igo         target_MtrDrvDiag_Per1_MtrDrvInitComplete_Cnt_Igo         target_MtrDrvDiag_Per1_MtrDrvInitComplete_Cnt_Igo         target_MtrDrvDiag_Per1_MtrDrvInitComplete_Cnt_Igo         Result           Name         Actual Value         Expected Value         Result           SVDiag_EFETFaultType_Cnt_M_enum         2         2         2           SVDiag_GateDriveFitAcc_Cnt_M_un6         2890         2890 ± 1         4           SVDiag_GenGateDriveFitAcc_Cnt_M_un6         170         170 ± 1         4           SVDiag_MtrDrvInitActive_Cnt_M_lgc         1         1         4           SVDiag_MtrDrvInitComp_Cnt_M_lgc         1         1         4           SVDiag_MtrDrvInitStartTime_mS_M_u32p0         700000         7000000 ± 1         4           SVDiag_ConStateFitAcc_Cnt_M_u16         0         0 ± 1         4           SVDiag_ConStateFitAcc_Cnt_M_u16         0         0 ± 1         4           SVDiag_ConStateFitAcc_Cnt_M_u16         0         0 ± 1         4           SVDiag_ConStateFitAcc_Cnt_M_u16         0 </td <td>target_Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32_CurrentTir</td> <td>2000000</td> <td></td> <td></td>	target_Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32_CurrentTir	2000000		
target_Rte_Inst_Sa_MtrDrvDiag_MtrDrvDiag_Per1_GateDriveResetActive_Cnt_Igc         target_MtrDrvDiag_Per1_MtrDrvInitGomplete_Cnt_Igc         target_MtrDrvDiag_Per1_MtrDrvInitGomplete_Cnt_Igc         target_MtrDrvDiag_Per1_MtrDrvInitGomplete_Cnt_Igc         target_MtrDrvDiag_Per1_MtrDrvInitGomplete_Cnt_Igc         target_MtrDrvDiag_Per1_MtrDrvInitGomplete_Cnt_Igc         target_MtrDrvDiag_Per1_MtrDrvInitGomplete_Cnt_Igc         Result           Name         Actual Value         Expected Value         Result           SVDiag_FETFaultType_Cnt_M_enum         2         2         2           SVDiag_GateDriveFItAcc_Cnt_M_u16         2890         2890 ±1         4           SVDiag_GateDriveFItAcc_Cnt_M_u16         170         170 ±1         4           SVDiag_MtrDrvInitComp_Cnt_M_Igc         1         1         1         4           SVDiag_MtrDrvInitStartTime_mS_M_u32p0         700000         700000 ±1         4         5           SVDiag_ResetWaitLoop_Cnt_M_Igc         0         0         ±1         4           SVDiag_ResetWaitLoop_Cnt_M_Igc         2         2         2         4           SVDiag_Per1_ETFFaultType_Cnt_enum.value         3         3         3         4         4           SVDiag_Per1_MtrDrvDiag_Per1_MtrDrvInitComplete_Cnt_Igc_value         0         0         0         4         4           NTC	target_Rte_Inst_Sa_MtrDrvDiag.MtrDrvDiag_Per1_FETFaultPhase_Cnt_enum	target_MtrDrvDiag_Per1_FETFaultPhase_Cr	nt_enum	
target_Rte_Inst_Sa_MtrDrvDiag_MtrDrvDiag_Perl_MtrDrvInitComplete_Cnt_Igc         target_MtrDrvDiag_Perl_MtrDrvInitStart_Cnt_Igc         target_MtrDrvDiag_Perl_MtrDrvInitStart_Cnt_Igc         target_MtrDrvDiag_Perl_MtrDrvInitStart_Cnt_Igc         Target_MtrDrvDiag_Perl_MtrDrvInitStart_Cnt_Igc         Results         Re	target_Rte_Inst_Sa_MtrDrvDiag.MtrDrvDiag_Per1_FETFaultType_Cnt_enum	target_MtrDrvDiag_Per1_FETFaultType_Cnt	_enum	
Itarget_Rte_Inst_Sa_MtrDrvDiag_MtrDrvDiag_Per1_MtrDrvrInitStart_Cnt_Igc         Larget_MtrDrvDiag_Per1_MtrDrvrInitStart_Cnt_Igc         Result           Name         Actual Value         Expected Value         Result           SVDiag_FETFaultType_Cnt_M_enum         3         3         3           SVDiag_GetEDriveFItAcc_Cnt_M_u16         2890         2890 ± 1         4           SVDiag_GenGateDriveFItAcc_Cnt_M_u16         170         170 ± 1         √           SVDiag_MtrDrvInitActive_Cnt_M_lgc         1         1         1         √           SVDiag_MtrDrvInitStartTime_ms_M_u32p0         700000         700000 ± 1         √         √           SVDiag_OnStateFitAcc_Cnt_M_u16         0         0 ± 1         √	target_Rte_Inst_Sa_MtrDrvDiag.MtrDrvDiag_Per1_GateDriveResetActive_Cnt_lgc	target_MtrDrvDiag_Per1_GateDriveResetAct	rive_Cnt_lgc	
Name         Actual Value         Expected Value         Result           SVDiag_FETFaultPhase_Cnt_M_enum         3         3         3           SVDiag_FETFaultPype_Cnt_M_enum         2         2         2           SVDiag_GateDriveFltAcc_Cnt_M_u16         2890         2890 ± 1         4           SVDiag_GenGateDriveFltAcc_Cnt_M_u16         170         170 ± 1         4           SVDiag_GenGateDriveFltAcc_Cnt_M_u16         1         1         1           SVDiag_MtrDrvInitActive_Cnt_M_u16         1         1         4           SVDiag_MtrDrvInitSantTime_mS_M_u32p0         700000         700000         700000 ± 1           SVDiag_OnStateFltAcc_Cnt_M_u16         0         0 ± 1         4           SVDiag_ResetWaitLoop_Cnt_M_lgc         0         0         ± 1           SVDiag_ResetWaitLoop_Cnt_M_lgc         0         0         ± 1           Value_General_MctrDrvDiag_Per1_FETFaultPhase_Cnt_enum.value         3         3         ± 4 arget_MtrDrvDiag_Per1_FETFaultPhase_Cnt_enum.value         2         2         ± 4 arget_MtrDrvDiag_Per1_MtrDrvInitComplete_Cnt_lgc.value         0         0         ± 4 arget_MtrDrvDiag_Per1_MtrDrvInitComplete_Cnt_lgc.value         0         0 v4D         0 v4D         • v4D         • v4D         • v4D         • v4D         • v4D	target_Rte_Inst_Sa_MtrDrvDiag.MtrDrvDiag_Per1_MtrDrvrInitComplete_Cnt_Igc	target_MtrDrvDiag_Per1_MtrDrvrInitComplet	e_Cnt_lgc	
SVDiag_FETFaultType_Cnt_M_enum         3         3         2           SVDiag_FETFaultType_Cnt_M_enum         2         2         2           SVDiag_GateDriveFitAcc_Cnt_M_u16         2890         2890 ± 1         2           SVDiag_GenGateDriveFitAcc_Cnt_M_u16         170         170 ± 1         2           SVDiag_GenGateDriveFitAcc_Cnt_M_u16         1         1         1           SVDiag_MtrDrvInitActive_Cnt_M_lgc         1         1         1           SVDiag_MtrDrvInitStartTime_mS_M_u32p0         700000         700000         700000 ± 1           SVDiag_OnStateFitAcc_Cnt_M_u16         0         0 ± 1         0           SVDiag_ResetWaitLoop_Cnt_M_lgc         0         0         0         1           SVDiag_ResetWaitLoop_Cnt_M_lgc         0         0         0         0           target_MtrDrvDiag_Per1_ETFaultPhase_Cnt_enum.value         3         3         3         1           target_MtrDrvDiag_Per1_ETFaultType_Cnt_enum.value         2         2         2         1           target_MtrDrvDiag_Per1_GateDriveResetActive_Cnt_lgc.value         0         0         0         0           NTC         0x4D         0x4D         0x4D         0x4D           Param         0x00         0x00	target_Rte_Inst_Sa_MtrDrvDiag.MtrDrvDiag_Per1_MtrDrvrInitStart_Cnt_lgc	target_MtrDrvDiag_Per1_MtrDrvrInitStart_Cr	ıt_lgc	
SVDiag_FETFaultType_Cnt_M_enum         2         2         SVDiag_GateDriveFltAcc_Cnt_M_u16         2890         2890 ± 1         SVDiag_GateDriveFltAcc_Cnt_M_u16         170         170 ± 1         SVDiag_GateDriveFltAcc_Cnt_M_u16         170         170 ± 1         SVDiag_GateDriveFltAcc_Cnt_M_u16         1         1         SVDiag_GateDriveFltAcc_Cnt_M_u16         1         1         SVDiag_GateDriveFltAcc_Cnt_M_u16         1         1         SVDiag_GateDriveFltAcc_Cnt_M_u16         1         1         1         SVDiag_DateDriveFltAcc_Cnt_M_u16         0         0         1         0         1         SVDiag_DateDriveFltAcc_Cnt_M_u16         0         0         1         0         0         1         SVDiag_DateDriveFltAcc_Cnt_M_u16         0         0         0         0         1         0 <td>Name</td> <td>Actual Value</td> <td>Expected Value</td> <td>Result</td>	Name	Actual Value	Expected Value	Result
SVDiag_GateDriveFitAcc_Cnt_M_u16         2890         2890 ± 1           SVDiag_GenGateDriveFitAcc_Cnt_M_u16         170         170 ± 1           SVDiag_MtrDrvInitActive_Cnt_M_lgc         1         1           SVDiag_MtrDrvInitComp_Cnt_M_lgc         1         1           SVDiag_MtrDrvInitComp_Cnt_M_lgc         700000         700000 ± 1           SVDiag_OnStateFitAcc_Cnt_M_u16         0         0 ± 1           SVDiag_ResetWaitLoop_Cnt_M_lgc         0         0         0 ± 1           SVDiag_ResetWaitLoop_Cnt_M_lgc         0         0         0         0 ± 1           SVDiag_Pert_FETFaultPhase_Cnt_enum.value         3         3         3         1 <td>SVDiag_FETFaultPhase_Cnt_M_enum</td> <td>3</td> <td>3</td> <td>~</td>	SVDiag_FETFaultPhase_Cnt_M_enum	3	3	~
SVDiag_GenGateDriveFitAcc_Cnt_M_u16         170         170 ± 1           SVDiag_MtrDrvInitActive_Cnt_M_lgc         1         1           SVDiag_MtrDrvInitComp_Cnt_M_lgc         1         1           SVDiag_MtrDrvInitStartTime_mS_M_u32p0         700000         700000 ± 1           SVDiag_OnStateFitAcc_Cnt_M_u16         0         0 ± 1           SVDiag_ResetWaitLoop_Cnt_M_lgc         0         0           Stop_are_ResetWaitLoop_Cnt_M_lgc         0         0           Larget_MtrDrvDiag_Per1_FETFaultPhase_Cnt_enum.value         3         3           Larget_MtrDrvDiag_Per1_FETFaultType_Cnt_enum.value         2         2           Larget_MtrDrvDiag_Per1_GateDriveResetActive_Cnt_lgc.value         0         0           NTC         0x4D         0x4D           Param         0x00         0x00           NTC         0x4D         0x00           NTC         0x4E         0x4E           Param         0x00         0x00           Status         0x00         0x00           NTC         0x4E         0x4E           Param         0x00         0x00           NTC         0x4F         0x4F           Param         0x00         0x00	SVDiag_FETFaultType_Cnt_M_enum	2	2	~
SVDiag_MtrDrvInitActive_Cnt_M_lgc         1         1         1           SVDiag_MtrDrvInitComp_Cnt_M_lgc         1         1         1           SVDiag_MtrDrvInitStartTime_ms_M_u32p0         700000         700000 ± 1         2           SVDiag_OnStateFitAcc_Cnt_M_u16         0         0 ± 1         3           SVDiag_ResetWaitLoop_Cnt_M_lgc         0         0         0           starget_MtrDrvDiag_Per1_FETFaultPhase_Cnt_enum.value         3         3         3           target_MtrDrvDiag_Per1_FETFaultType_Cnt_enum.value         2         2         2           target_MtrDrvDiag_Per1_GateDriveResetActive_Cnt_lgc.value         0         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_GateDriveFltAcc_Cnt_M_u16	2890	2890 ± 1	~
SVDiag_MtrDrvInitComp_Cnt_M_lgc         1         1         700000         700000 ± 1         2         5VDiag_MtrDrvInitStartTime_mS_M_u32p0         700000         700000 ± 1         2         5VDiag_OnStateFltAcc_Cnt_M_u16         0         0 ± 1         0         0         2         2         2         2         2         2         2         4         2         4         2         4         2         4	SVDiag_GenGateDriveFltAcc_Cnt_M_u16	170	170 ± 1	~
SVDiag_MtrDrvInitStartTime_mS_M_u32p0         700000         700000 ± 1         9           SVDiag_OnStateFltAcc_Cnt_M_u16         0         0 ± 1         0           SVDiag_ResetWaitLoop_Cnt_M_lgc         0         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         0         0           NTC         0x4D         0x4D           Param         0x00         0x00           Status         0x00         0x00           NTC         0x4E         0x4E           Param         0x00         0x00           Status         0x00         0x00           NTC         0x4E         0x4E           Param         0x00         0x00           Status         0x00         0x00           NTC         0x4F         0x4F           Param         0x00         0x00	SVDiag_MtrDrvInitActive_Cnt_M_lgc	1	1	~
SVDiag OnStateFitAcc Cnt_M_u16         0         0 ± 1         0           SVDiag ResetWaitLoop Cnt_M_lgc         0         0         0           target_MtrDrvDiag_Per1_FETFaultPhase_Cnt_enum.value         3         3         2           target_MtrDrvDiag_Per1_FETFaultType_Cnt_enum.value         2         2         2           target_MtrDrvDiag_Per1_GateDriveResetActive_Cnt_lgc.value         0         0         0         4           NTC         0x4D         0x4D         0x4D         0x4D         0x4D         0x4D         0x4D         0x00	SVDiag_MtrDrvInitComp_Cnt_M_lgc	1	1	~
SVDiag ResetWaitLoop_Cnt_M_lgc         0         0         starget_MtrDrvDiag_Per1_EETFaultPhase_Cnt_enum.value         3         3         warget_MtrDrvDiag_Per1_EETFaultPhase_Cnt_enum.value         2         2         warget_MtrDrvDiag_Per1_GateDriveResetActive_Cnt_lgc.value         0         0         warget_MtrDrvDiag_Per1_MtrDrvrInitComplete_Cnt_lgc.value         1         1         1         warget_MtrDrvDiag_Per1_MtrDrvrInitComplete_Cnt_lgc.value         1         1         0         warget_MtrDrvDiag_Per1_MtrDrvrInitComplete_Cnt_lgc.value         0         0         0         warget_MtrDrvDiag_Per1_MtrDrvrInitComplete_Cnt_lgc.value         1         1         1         1         0         wardet_MtrDrvDiag_Per1_MtrDrvrInitComplete_Cnt_lgc.value         0         0         0         0         wardet_MtrDrvDiag_Per1_MtrDrvrInitComplete_Cnt_lgc.value         1         1         1         1         0	SVDiag_MtrDrvInitStartTime_mS_M_u32p0	700000	700000 ± 1	~
target_MtrDrvDiag_Per1_FETFaultPhase_Cnt_enum.value         3         3         4           target_MtrDrvDiag_Per1_FETFaultType_Cnt_enum.value         2         2         4           target_MtrDrvDiag_Per1_GateDriveResetActive_Cnt_lgc.value         0         0         0         4           NTC         0x4D         0x4E         0x4	SVDiag_OnStateFltAcc_Cnt_M_u16	0	0 ± 1	•
target_MtrDrvDiag_Per1_FETFaultType_Cnt_enum.value         2         2         ***           target_MtrDrvDiag_Per1_GateDriveResetActive_Cnt_lgc.value         0         0         ***           NTC         0x4D         0x4D         0x4D         ***           Param         0x00         0x00         0x00         ***           NTC         0x4E         0x4E         0x4E         ***           Param         0x00         0x00         ***         ***           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_lgc.value         0         0         value           target_MtrDrvDiag_Per1_MtrDrvrInitComplete_Cnt_lgc.value         1         1         1         value           NTC         0x4D         0x4D         0x4D         value           Param         0x00         0x00         0x00         value           NTC         0x4E         0x4E         0x4E         value           Param         0x00         0x00         0x00         value           NTC         0x4F         0x4F         0x4F           Param         0x00         0x00         0x00         value	target_MtrDrvDiag_Per1_FETFaultPhase_Cnt_enum.value	3	3	<b>✓</b>
target_MtrDrvDiag_Per1_MtrDrvrInitComplete_Cnt_lgc.value         1         1         VAD           NTC         0x4D         0x4D         VAD           Param         0x00         0x00         VAD           Status         0x00         0x00         VAD           NTC         0x4E         0x4E         VAE           Param         0x00         0x00         VAD           Status         0x00         0x00         VAD           NTC         0x4F         0x4F         VAF           Param         0x00         0x00         VAF	target_MtrDrvDiag_Per1_FETFaultType_Cnt_enum.value	2	2	•
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         x00           Status         0x00         0x00         x00           NTC         0x4E         0x4E         x4E           Param         0x00         0x00         x00           Status         0x00         0x00         x00           NTC         0x4F         0x4F         x4F           Param         0x00         0x00         x00	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         V           NTC         0x4F         0x4F         V           Param         0x00         0x00         V	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	•

T				<b>✓</b>
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	<b>✓</b>
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	<b>✓</b>
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_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	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_lgc	0		
k_GateDriveDiag_Cnt_str.Threshold	44444		
k_GateDriveDiag_Cnt_str.PStep	18000		
k_GateDriveDiag_Cnt_str.NStep	12221		
k_OnStateDiag_Cnt_str.Threshold	18000		
k_OnStateDiag_Cnt_str.PStep	31000		
k_OnStateDiag_Cnt_str.NStep	3000		
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	p 1		
$target\_Rte\_Call\_Sa\_MtrDrvDiag\_SystemTime\_DtrmnElapsedTime\_mS\_u16\_ElapsedTime\_mSunfaces and the property of t$	59000		
target_Rte_Call_Sa_MtrDrvDiag_SystemTime_DtrmnElapsedTime_uS_u16_Elapse	6666		
$target\_Rte\_Call\_Sa\_MtrDrvDiag\_SystemTime\_GetSystemTime\_mS\_u32\_CurrentTime\_mS\_u32\_CurrentTime\_mS\_u32\_CurrentTime\_mS\_u32\_CurrentTime\_mS\_u32\_CurrentTime\_mS\_u32\_CurrentTime\_mS\_u32\_CurrentTime\_mS\_u32\_CurrentTime\_mS\_u32\_CurrentTime\_mS\_u332\_CurrentTim$	i 30000000		
target_Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32_CurrentTi	r 2100000		
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	t_enum	
$target\_Rte\_Inst\_Sa\_MtrDrvDiag.MtrDrvDiag\_Per1\_GateDriveResetActive\_Cnt\_lgc$	target_MtrDrvDiag_Per1_GateDriveResetAc	tive_Cnt_lgc	
target_Rte_Inst_Sa_MtrDrvDiag.MtrDrvDiag_Per1_MtrDrvrInitComplete_Cnt_lgc	target_MtrDrvDiag_Per1_MtrDrvrInitComplet	te_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	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_Igc.value	1	1	~
NTC	0x4D	0x4D	~
Param	0x00	0x00	~
Status	0x00	0x00	~
NTC	0x4E	0x4E	~
Param	0x00	0x00	~
Status		0x00	<b>-</b>
	0x00	0.000	
NTC	0x00 0x4F	0x4F	~
NTC Param			\ \ \ \ \ \

T				
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	<b>✓</b>
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	<b>✓</b>
Rte_Call_MtrDrvDiag_Per1_CP1_CheckpointReached	1	Rte_Call_MtrDrvDiag_Per1_CP1_CheckpointReached	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	~

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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	<b>V</b>
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	<b>V</b>
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	<b>V</b>
GateDrvWaitTime	1	GateDrvWaitTime	1	•
Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32	1	Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32	1	<b>✓</b>
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	<b>✓</b>
Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32	1	Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32	1	~
Rte_Call_Sa_MtrDrvDiag_SystemTime_DtrmnElapsedTime_uS_u16	1	Rte_Call_Sa_MtrDrvDiag_SystemTime_DtrmnElapsedTime_uS_u16	1	•
Rte_Call_Sa_MtrDrvDiag_FetFlt2Clk_OP_SET	1	Rte_Call_Sa_MtrDrvDiag_FetFlt2Clk_OP_SET	1	~
GateDrvWaitTime	1	GateDrvWaitTime	1	~
Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32	1	Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_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	<b>V</b>
Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32	1	Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32	1	· ·
Rte_Call_Sa_MtrDrvDiag_SystemTime_DtrmnElapsedTime_uS_u16	1	Rte_Call_Sa_MtrDrvDiag_SystemTime_DtrmnElapsedTime_uS_u16	1	<b>V</b>
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	<b>✓</b>
Rte_Call_Sa_MtrDrvDiag_FetFlt2Clk_OP_SET	1	Rte_Call_Sa_MtrDrvDiag_FetFlt2Clk_OP_SET	1	~
GateDrvWaitTime	1	GateDrvWaitTime	1	<b>✓</b>
Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32	1	Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32	1	~
Rte_Call_Sa_MtrDrvDiag_SystemTime_DtrmnElapsedTime_uS_u16	1	Rte_Call_Sa_MtrDrvDiag_SystemTime_DtrmnElapsedTime_uS_u16	1	~
Rte_Call_Sa_MtrDrvDiag_FetFlt2Clk_OP_SET	1	Rte_Call_Sa_MtrDrvDiag_FetFlt2Clk_OP_SET	1	~
GateDrvWaitTime	1	GateDrvWaitTime	1	~
Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32	1	Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_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
$target\_Rte\_Call\_Sa\_MtrDrvDiag\_SystemTime\_GetSystemTime\_mS\_u32\_CurrentTime\_ms\_u32\_CurrentTime\_ms\_u32\_CurrentTime\_ms\_u32\_CurrentTime\_ms\_u32\_CurrentTime\_ms\_u32\_CurrentTime\_ms\_u32\_CurrentTime\_ms\_u32\_CurrentTime\_ms\_u32\_CurrentTime\_ms\_u322\_CurrentTime\_ms\_u322\_CurrentTime\_ms\_u322\_CurrentTime\_ms\_u322\_CurrentTim$	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	<b>✓</b>
SVDiag_GateDriveFltAcc_Cnt_M_u16	17000	17000 ± 1	~
SVDiag_GenGateDriveFltAcc_Cnt_M_u16	85	85 ± 1	<b>✓</b>
SVDiag_MtrDrvInitActive_Cnt_M_lgc	1	1	~
SVDiag_MtrDrvInitComp_Cnt_M_lgc	1	1	<b>✓</b>
SVDiag_MtrDrvInitStartTime_mS_M_u32p0	1000000	1000000 ± 1	~
SVDiag_OnStateFltAcc_Cnt_M_u16	21100	21100 ± 1	<b>✓</b>
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	~

T				<b>✓</b>
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	<b>~</b>
Rte_Call_Sa_MtrDrvDiag_FetDrvReset_OP_SET	1	Rte_Call_Sa_MtrDrvDiag_FetDrvReset_OP_SET	1	•
GateDrvWaitTime	1	GateDrvWaitTime	1	<b>~</b>
Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32	1	Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32	1	<b>~</b>
Rte_Call_Sa_MtrDrvDiag_SystemTime_DtrmnElapsedTime_uS_u16	1	Rte_Call_Sa_MtrDrvDiag_SystemTime_DtrmnElapsedTime_uS_u16	1	<b>~</b>
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	<b>✓</b>
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	<b>✓</b>
SVDiag_OnStateFltAcc_Cnt_M_u16	333	333 ± 1	<b>✓</b>
SVDiag_ResetWaitLoop_Cnt_M_lgc	0	0	~
target_MtrDrvDiag_Per1_FETFaultPhase_Cnt_enum.value	2	2	<b>✓</b>
target_MtrDrvDiag_Per1_FETFaultType_Cnt_enum.value	2	2	<b>✓</b>
target_MtrDrvDiag_Per1_GateDriveResetActive_Cnt_lgc.value	0	0	<b>✓</b>
target_MtrDrvDiag_Per1_MtrDrvrInitComplete_Cnt_lgc.value	1	1	<b>✓</b>
NTC	0x4D	0x4D	<b>✓</b>
Param	0x00	0x00	<b>✓</b>
Status	0x00	0x00	<b>✓</b>
NTC	0x4E	0x4E	~
Param	0x00	0x00	<b>✓</b>
Status	0x00	0x00	<b>✓</b>
NTC	0x4F	0x4F	~
Param	0x00	0x00	~
Status	0x00	0x00	✓

Τ				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	<b>~</b>
Rte_Call_MtrDrvDiag_Per1_CP1_CheckpointReached	1	Rte_Call_MtrDrvDiag_Per1_CP1_CheckpointReached	1	~

Test Step 2.23 (Repeat Count = 1)	Inner A Wales		
Name	Input Value		
Rte_Call_Sa_MtrDrvDiag_FetFlt2Clk_OP_GET(signal)	target_Rte_Call_Sa_MtrDrvDiag_FetFlt2Clk_		
Rte_Call_Sa_MtrDrvDiag_NxtrDiagMgr_GetNTCFailed(NTCFailed_Ptr_T_lgc)	target_Rte_Call_Sa_MtrDrvDiag_NxtrDiagMo		
Rte_Call_Sa_MtrDrvDiag_SystemTime_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	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	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 Ig	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_CurrentTir			
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	<del>-</del>	
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 MtrDrvrInitComplet	,	
target Rte Inst Sa MtrDrvDiag.MtrDrvDiag Per1 MtrDrvrInitStart Cnt Igc	target MtrDrvDiag Per1 MtrDrvrInitStart Cr		
Name	Actual Value	Expected Value	Resul
SVDiag FETFaultPhase Cnt M enum	3	3	rtooui
SVDiag FETFaultType Cnt M enum	2	2	
SVDiag GateDriveFltAcc Cnt M u16	4000	4000 ± 1	
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	<b>✓</b>
SVDiag_MtrDrvInitStartTime_mS_M_u32p0	900	900 ± 1	~
SVDiag_OnStateFltAcc_Cnt_M_u16	4444	4444 ± 1	<b>✓</b>
SVDiag_ResetWaitLoop_Cnt_M_lgc	0	0	~
target_MtrDrvDiag_Per1_FETFaultPhase_Cnt_enum.value	3	3	<b>✓</b>
target_MtrDrvDiag_Per1_FETFaultType_Cnt_enum.value	2	2	~
target_MtrDrvDiag_Per1_GateDriveResetActive_Cnt_lgc.value	1	1	<b>✓</b>
target_MtrDrvDiag_Per1_MtrDrvrInitComplete_Cnt_lgc.value	1	1	~
NTC	0x4C	0x4C	<b>✓</b>
Param	0x01	0x01	~
Status	0x01	0x01	•

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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	<b>*</b>
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_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	<b>V</b>
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	<b>✓</b>
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	<b>*</b>
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	<b>✓</b>
Rte_Call_Sa_MtrDrvDiag_SystemTime_DtrmnElapsedTime_uS_u16	1	Rte_Call_Sa_MtrDrvDiag_SystemTime_DtrmnElapsedTime_uS_u16	1	~
Rte_Call_Sa_MtrDrvDiag_FetFlt2Clk_OP_SET	1	Rte_Call_Sa_MtrDrvDiag_FetFlt2Clk_OP_SET	1	~
GateDrvWaitTime	1	GateDrvWaitTime	1	~
Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32	1	Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_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	<b>✓</b>
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	<b>V</b>
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	<b>✓</b>
Rte_Call_Sa_MtrDrvDiag_SystemTime_DtrmnElapsedTime_uS_u16	1	Rte_Call_Sa_MtrDrvDiag_SystemTime_DtrmnElapsedTime_uS_u16	1	<b>V</b>
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	<b>V</b>
GateDrvWaitTime	1	GateDrvWaitTime	1	~
Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32	1	Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32	1	·
Rte_Call_Sa_MtrDrvDiag_SystemTime_DtrmnElapsedTime_uS_u16	1	Rte_Call_Sa_MtrDrvDiag_SystemTime_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

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Name	Input Value		
target_Rte_Inst_Sa_MtrDrvDiag.MtrDrvDiag_Per1_MtrDrvrInitComplete_Cnt_lgc	target_MtrDrvDiag_Per1_MtrDrvrInitComplet	arget_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	0	0	~
SVDiag_FETFaultType_Cnt_M_enum	0	0	•
SVDiag_GateDriveFltAcc_Cnt_M_u16	0	0 ± 1	~
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	~
target_MtrDrvDiag_Per1_MtrDrvrInitComplete_Cnt_lgc.value	0	0	~

T				<b>✓</b>
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 2.25 (Repeat Count = 1)	Input Value		
Rte Call Sa MtrDrvDiag FetFlt2Clk OP GET(signal)	target Rte Call Sa MtrDrvDiag FetFlt2Clk C	AD CET signal	
Rte_Call_Sa_MtrDrvDiag_FetFit2Cik_OF_GET(signal)  Rte_Call_Sa_MtrDrvDiag_NxtrDiagMgr_GetNTCFailed(NTCFailed_Ptr_T_lgc)			
	target_Rte_Call_Sa_MtrDrvDiag_NxtrDiagMgr_GetNTCFailed_NTCFailed_Ptr_T_lgc target Rte Call Sa MtrDrvDiag SystemTime DtrmnElapsedTime mS u16 ElapsedTime		
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		
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	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		
<_GateDriveDiag_Cnt_str.Threshold	65535		
<_GateDriveDiag_Cnt_str.PStep	65535		
c_GateDriveDiag_Cnt_str.NStep	65535		
C_OnStateDiag_Cnt_str.Threshold	65535		
c_OnStateDiag_Cnt_str.PStep	65535		
<_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_l	n 1		
arget Rte Call Sa MtrDrvDiag SystemTime DtrmnElapsedTime mS u16 Elaps	65535		
arget_Rte_Call_Sa_MtrDrvDiag_SystemTime_DtrmnElapsedTime_uS_u16_Elapse	65535		
target_Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_mS_u32_Current1	i 4294967295		
arget_Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32_CurrentT	r 4294967295		
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_e	enum	
arget Rte Inst Sa MtrDrvDiag.MtrDrvDiag Per1 GateDriveResetActive Cnt Igc	target MtrDrvDiag Per1 GateDriveResetActiv		
arget Rte Inst Sa MtrDrvDiag.MtrDrvDiag Per1 MtrDrvrInitComplete Cnt Igc	target MtrDrvDiag Per1 MtrDrvrInitComplete	Cnt Igc	
arget Rte Inst Sa MtrDrvDiag.MtrDrvDiag Per1 MtrDrvrInitStart Cnt Igc	target_MtrDrvDiag_Per1_MtrDrvrInitStart_Cnt_		
Name		Expected Value	Resu
SVDiag FETFaultPhase Cnt M enum		3	11000
SVDiag_FETFaultType Cnt M enum		2	
SVDiag_GateDriveFltAcc_Cnt_M_u16		65535 ± 1	
SVDiag GenGateDriveFitAcc Cnt M u16		200 ± 1	
SVDiag_MtrDrvInitActive_Cnt_M_lgc		1	
SVDiag_MtrDrvInitComp_Cnt_M_igc	1		
9 <u> </u>		1 4294967295 ± 1	
SVDiag_MtrDrvInitStartTime_mS_M_u32p0		4294967295 ± 1 85535 ± 1	
SVDiag OnStateFltAcc Cnt M u16	00000	00000 I I	
2\/Diag Baset\Maithaga Cat M Inc		n	
SVDiag_ResetWaitLoop_Cnt_M_lgc arget_MtrDrvDiag_Per1_FETFaultPhase_Cnt_enum.value		0 3	

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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	<b>✓</b>

au				
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 TC3.8 18385 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\_lgrams and the control of the control $	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		
$target\_Rte\_Call\_Sa\_MtrDrvDiag\_SystemTime\_GetSystemTime\_uS\_u32\_CurrentTir$	100000		
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_Igc	target_MtrDrvDiag_Per1_MtrDrvrInitComplete	e_Cnt_lgc	
target_Rte_Inst_Sa_MtrDrvDiag.MtrDrvDiag_Per1_MtrDrvrInitStart_Cnt_lgc	target_MtrDrvDiag_Per1_MtrDrvrInitStart_Cr	ıt_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	~

Τ				<b>✓</b>
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	<b>✓</b>

Test Step 3.2 (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)	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
VDiag_FETFaultPhase_Cnt_M_enum	2
SVDiag_FETFaultType_Cnt_M_enum	0
SVDiag_GateDriveFltAcc_Cnt_M_u16	60000
VDiag_GenGateDriveFltAcc_Cnt_M_u16	60
VDiag_MtrDrvInitActive_Cnt_M_lgc	1
VDiag_MtrDrvInitComp_Cnt_M_lgc	1
VDiag_MtrDrvInitStartTime_mS_M_u32p0	6653
VDiag_OnStateFltAcc_Cnt_M_u16	6666
VDiag_ResetWaitLoop_Cnt_M_lgc	1
_GateDriveDiag_Cnt_str.Threshold	10000
_GateDriveDiag_Cnt_str.PStep	30000
_GateDriveDiag_Cnt_str.NStep	10000
_OnStateDiag_Cnt_str.Threshold	6666
_OnStateDiag_Cnt_str.PStep	16000
_OnStateDiag_Cnt_str.NStep	6000
rget_MtrDrvDiag_Per1_MtrDrvrInitStart_Cnt_lgc.value	1
rget_Rte_Call_Sa_MtrDrvDiag_FetFlt2Clk_OP_GET_signal	0
arget_Rte_Call_Sa_MtrDrvDiag_NxtrDiagMgr_GetNTCFailed_NTCFailed_Ptr_T_lg	1
rget_Rte_Call_Sa_MtrDrvDiag_SystemTime_DtrmnElapsedTime_mS_u16_Elapse	14000
rget_Rte_Call_Sa_MtrDrvDiag_SystemTime_DtrmnElapsedTime_uS_u16_Elapse	16100
rget_Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_mS_u32_CurrentTi	20000
arget Rte Call Sa MtrDrvDiag SystemTime GetSystemTime uS u32 CurrentTin	600000
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



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_lgc.value	1	1	~

T				<b>✓</b>
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	<b>~</b>
Rte_Call_Sa_MtrDrvDiag_FetDrvReset_OP_SET	1	Rte_Call_Sa_MtrDrvDiag_FetDrvReset_OP_SET	1	•
GateDrvWaitTime	1	GateDrvWaitTime	1	<b>~</b>
Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32	1	Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32	1	<b>~</b>
Rte_Call_Sa_MtrDrvDiag_SystemTime_DtrmnElapsedTime_uS_u16	1	Rte_Call_Sa_MtrDrvDiag_SystemTime_DtrmnElapsedTime_uS_u16	1	<b>~</b>
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	<b>✓</b>
SVDiag_GenGateDriveFltAcc_Cnt_M_u16	70	70 ± 1	✓
SVDiag_MtrDrvInitActive_Cnt_M_lgc	0	0	<b>✓</b>
SVDiag_MtrDrvInitComp_Cnt_M_lgc	1	1	✓
SVDiag_MtrDrvInitStartTime_mS_M_u32p0	83462	83462 ± 1	<b>✓</b>
SVDiag_OnStateFltAcc_Cnt_M_u16	7777	7777 ± 1	✓
SVDiag_ResetWaitLoop_Cnt_M_lgc	0	0	<b>✓</b>
target_MtrDrvDiag_Per1_FETFaultPhase_Cnt_enum.value	3	3	✓
target_MtrDrvDiag_Per1_FETFaultType_Cnt_enum.value	2	2	<b>✓</b>
target_MtrDrvDiag_Per1_GateDriveResetActive_Cnt_lgc.value	1	1	✓
target_MtrDrvDiag_Per1_MtrDrvrInitComplete_Cnt_lgc.value	1	1	<b>✓</b>
NTC	0x4C	0x4C	✓
Param	0x01	0x01	✓
Status	0x01	0x01	✓

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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	<b>V</b>
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	<b>~</b>
Rte_Call_Sa_MtrDrvDiag_FetFlt1Data_OP_GET	1	Rte_Call_Sa_MtrDrvDiag_FetFlt1Data_OP_GET	1	~
Rte_Call_Sa_MtrDrvDiag_FetFlt2Clk_OP_SET	1	Rte_Call_Sa_MtrDrvDiag_FetFlt2Clk_OP_SET	1	•
GateDrvWaitTime	1	GateDrvWaitTime	1	~
Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32	1	Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32	1	~
Rte_Call_Sa_MtrDrvDiag_SystemTime_DtrmnElapsedTime_uS_u16	1	Rte_Call_Sa_MtrDrvDiag_SystemTime_DtrmnElapsedTime_uS_u16	1	~
Rte_Call_Sa_MtrDrvDiag_FetFlt2Clk_OP_SET	1	Rte_Call_Sa_MtrDrvDiag_FetFlt2Clk_OP_SET	1	~
GateDrvWaitTime	1	GateDrvWaitTime	1	~
Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32	1	Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_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	<b>V</b>
GateDrvWaitTime	1	GateDrvWaitTime	1	~
Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32	1	Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32	1	
Rte_Call_Sa_MtrDrvDiag_SystemTime_DtrmnElapsedTime_uS_u16	1	Rte_Call_Sa_MtrDrvDiag_SystemTime_DtrmnElapsedTime_uS_u16	1	<b>V</b>
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	<b>~</b>
Rte_Call_Sa_MtrDrvDiag_FetFlt2Clk_OP_SET	1	Rte_Call_Sa_MtrDrvDiag_FetFlt2Clk_OP_SET	1	~
GateDrvWaitTime	1	GateDrvWaitTime	1	~
Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32	1	Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32	1	~
Rte_Call_Sa_MtrDrvDiag_SystemTime_DtrmnElapsedTime_uS_u16	1	Rte_Call_Sa_MtrDrvDiag_SystemTime_DtrmnElapsedTime_uS_u16	1	<b>~</b>
Rte_Call_Sa_MtrDrvDiag_FetFlt2Clk_OP_SET	1	Rte_Call_Sa_MtrDrvDiag_FetFlt2Clk_OP_SET	1	~
GateDrvWaitTime	1	GateDrvWaitTime	1	~
Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32	1	Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_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	<b>*</b>
Rte_Call_Sa_MtrDrvDiag_FetFlt2Clk_OP_SET	1	Rte_Call_Sa_MtrDrvDiag_FetFlt2Clk_OP_SET	1	-
GateDrvWaitTime	1	GateDrvWaitTime	1	<b>*</b>
Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32	1	Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_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	<b>~</b>
			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	<b>~</b>
Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32	1	Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32	1	~
Rte_Call_Sa_MtrDrvDiag_SystemTime_DtrmnElapsedTime_uS_u16	1	Rte_Call_Sa_MtrDrvDiag_SystemTime_DtrmnElapsedTime_uS_u16	1	~
Rte_Call_Sa_MtrDrvDiag_FetFlt2Clk_OP_SET	1	Rte_Call_Sa_MtrDrvDiag_FetFlt2Clk_OP_SET	1	~
GateDrvWaitTime	1	GateDrvWaitTime	1	~
Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32	1	Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_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)	<b>✓</b>
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
$target\_Rte\_Call\_Sa\_MtrDrvDiag\_SystemTime\_GetSystemTime\_mS\_u32\_CurrentTime\_ms\_u32\_Curren$	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	arget_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	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	~	

T				✓
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	<b>✓</b>
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	<b>✓</b>
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		
$target\_Rte\_Call\_Sa\_MtrDrvDiag\_SystemTime\_GetSystemTime\_mS\_u32\_CurrentTime\_mS\_u32\_CurrentTime\_mS\_u32\_CurrentTime\_mS\_u32\_CurrentTime\_mS\_u32\_CurrentTime\_mS\_u32\_CurrentTime\_mS\_u32\_CurrentTime\_mS\_u32\_CurrentTime\_mS\_u32\_CurrentTime\_mS\_u332\_CurrentTim$	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_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	~

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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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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	<b>V</b>
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	<b>V</b>
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	<b>V</b>
GateDrvWaitTime	1	GateDrvWaitTime	1	•
Rte_Call_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	<b>✓</b>
Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32	1	Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32	1	~
Rte_Call_Sa_MtrDrvDiag_SystemTime_DtrmnElapsedTime_uS_u16	1	Rte_Call_Sa_MtrDrvDiag_SystemTime_DtrmnElapsedTime_uS_u16	1	•
Rte_Call_Sa_MtrDrvDiag_FetFlt2Clk_OP_SET	1	Rte_Call_Sa_MtrDrvDiag_FetFlt2Clk_OP_SET	1	~
GateDrvWaitTime	1	GateDrvWaitTime	1	~
Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32	1	Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_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	<b>V</b>
Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32	1	Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32	1	· ·
Rte_Call_Sa_MtrDrvDiag_SystemTime_DtrmnElapsedTime_uS_u16	1	Rte_Call_Sa_MtrDrvDiag_SystemTime_DtrmnElapsedTime_uS_u16	1	<b>V</b>
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	Caumt	Francisco de Français de	Count	Daguit
Actual Function	Count 1	•	1	Result
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		
Rte_Call_Sa_MtrDrvDiag_FetFlt1Data_OP_GET	1	Rte_Call_Sa_MtrDrvDiag_FetFlt1Data_OP_GET	1	<b>V</b>
Rte_Call_Sa_MtrDrvDiag_FetFlt2Clk_OP_SET	1	Rte_Call_Sa_MtrDrvDiag_FetFlt2Clk_OP_SET	1	<b>V</b>
GateDrvWaitTime	1	GateDrvWaitTime	1	~
Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32	1	Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32	1	~
Rte_Call_Sa_MtrDrvDiag_SystemTime_DtrmnElapsedTime_uS_u16	1	Rte_Call_Sa_MtrDrvDiag_SystemTime_DtrmnElapsedTime_uS_u16	1	~
Rte_Call_Sa_MtrDrvDiag_FetFlt2Clk_OP_SET	1	Rte_Call_Sa_MtrDrvDiag_FetFlt2Clk_OP_SET	1	~
GateDrvWaitTime	1	GateDrvWaitTime	1	~
Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32	1	Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_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	<b>✓</b>
GateDrvWaitTime	1	GateDrvWaitTime	1	~
Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32	1	Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32	1	~
Rte_Call_Sa_MtrDrvDiag_SystemTime_DtrmnElapsedTime_uS_u16	1	Rte_Call_Sa_MtrDrvDiag_SystemTime_DtrmnElapsedTime_uS_u16	1	~
Rte_Call_Sa_MtrDrvDiag_FetFlt2Clk_OP_SET	1	Rte_Call_Sa_MtrDrvDiag_FetFlt2Clk_OP_SET	1	~
GateDrvWaitTime	1	GateDrvWaitTime	1	~
Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32	1	Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_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	<b>✓</b>
Rte Call Sa MtrDrvDiag FetDrvReset OP SET	1	Rte Call Sa MtrDrvDiag FetDrvReset OP SET	1	~
GateDrvWaitTime	1	GateDrvWaitTime	1	<b>~</b>
Rte Call Sa MtrDrvDiag SystemTime GetSystemTime uS u32	1	Rte Call Sa MtrDrvDiag SystemTime GetSystemTime uS u32	1	~
Rte Call Sa MtrDrvDiag SystemTime DtrmnElapsedTime uS u16	1	Rte Call Sa MtrDrvDiag SystemTime DtrmnElapsedTime uS u16	1	<b>~</b>
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)	





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	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	<b>✓</b>
Param	0x00	0x00	~
Status	0x00	0x00	~
NTC	0x4E	0x4E	~
Param	0x00	0x00	~
Status	0x00	0x00	~
NTC	0x4F	0x4F	•
Param	0x00	0x00	~
Status	0x00	0x00	~

Т				
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	<b>~</b>
Rte_Call_Sa_MtrDrvDiag_FetFlt2Clk_OP_GET	1	Rte_Call_Sa_MtrDrvDiag_FetFlt2Clk_OP_GET	1	<b>~</b>
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
SVDiag_MtrDrvInitStartTime_mS_M_u32p0	400000
SVDiag_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_lg	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_Igc	target_MtrDrvDiag_Per1_GateDriveResetActive_Cnt_lgc
arget Rte Inst Sa MtrDrvDiag.MtrDrvDiag Per1 MtrDrvrInitComplete Cnt Igc	target MtrDrvDiag Per1 MtrDrvrInitComplete Cnt Igc

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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	0	0	~	
SVDiag_FETFaultType_Cnt_M_enum	1	1	<b>✓</b>	
SVDiag_GateDriveFltAcc_Cnt_M_u16	0	0 ± 1	~	
SVDiag_GenGateDriveFltAcc_Cnt_M_u16	140	140 ± 1	<b>✓</b>	
SVDiag_MtrDrvInitActive_Cnt_M_lgc	0	0	<b>✓</b>	
SVDiag_MtrDrvInitComp_Cnt_M_lgc	1	1	<b>✓</b>	
SVDiag_MtrDrvInitStartTime_mS_M_u32p0	400000	400000 ± 1	~	
SVDiag_OnStateFltAcc_Cnt_M_u16	9545	9545 ± 1	✓	
SVDiag_ResetWaitLoop_Cnt_M_lgc	0	0	<b>✓</b>	
target_MtrDrvDiag_Per1_FETFaultPhase_Cnt_enum.value	0	0	✓	
target_MtrDrvDiag_Per1_FETFaultType_Cnt_enum.value	1	1	<b>✓</b>	
target_MtrDrvDiag_Per1_GateDriveResetActive_Cnt_lgc.value	0	0	<b>~</b>	
target_MtrDrvDiag_Per1_MtrDrvrInitComplete_Cnt_lgc.value	1	1	~	
NTC	0x4D	0x4D	<b>✓</b>	
Param	0x00	0x00	~	
Status	0x00	0x00	<b>~</b>	
NTC	0x4E	0x4E	~	
Param	0x00	0x00	~	
Status	0x00	0x00	·	
NTC	0x4F	0x4F	<b>✓</b>	
Param	0x00	0x00	·	
Status	0x00	0x00	~	

Т				
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	<b>✓</b>
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	<b>✓</b>
Rte_Call_MtrDrvDiag_Per1_CP1_CheckpointReached	1	Rte_Call_MtrDrvDiag_Per1_CP1_CheckpointReached	1	-



Test Step 3.8 (Repeat Count = 1)			~
Name	Input Value		
Rte_Call_Sa_MtrDrvDiag_FetFlt2Clk_OP_GET(signal)	target_Rte_Call_Sa_MtrDrvDiag_FetFlt2Cll	COP_GET_signal	
Rte_Call_Sa_MtrDrvDiag_NxtrDiagMgr_GetNTCFailed(NTCFailed_Ptr_T_lgc)	target_Rte_Call_Sa_MtrDrvDiag_NxtrDiagN	lgr_GetNTCFailed_NTCFailed_Ptr_T_lgc	
$Rte\_Call\_Sa\_MtrDrvDiag\_SystemTime\_DtrmnElapsedTime\_mS\_u16(ElapsedTime\_mS_u16(ElapsedTim$	) target_Rte_Call_Sa_MtrDrvDiag_SystemTi	me_DtrmnElapsedTime_mS_u16_ElapsedTime	е
$Rte\_Call\_Sa\_MtrDrvDiag\_SystemTime\_DtrmnElapsedTime\_uS\_u16 (ElapsedTime\_uSu16 (ElapsedTi$	target_Rte_Call_Sa_MtrDrvDiag_SystemTi	me_DtrmnElapsedTime_uS_u16_ElapsedTime	
Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_mS_u32(CurrentTime)	target_Rte_Call_Sa_MtrDrvDiag_SystemTi	me_GetSystemTime_mS_u32_CurrentTime	
Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32(CurrentTime)	target_Rte_Call_Sa_MtrDrvDiag_SystemTi	me_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 Igc.value	0		
target Rte Call Sa MtrDrvDiag FetFlt2Clk OP GET signal	0		
target_Rte_Call_Sa_MtrDrvDiag_NxtrDiagMgr_GetNTCFailed_NTCFailed_Ptr_T_le	p 1		
target Rte Call Sa MtrDrvDiag SystemTime DtrmnElapsedTime mS u16 Elaps			
target_Rte_Call_Sa_MtrDrvDiag_SystemTime_DtrmnElapsedTime_uS_u16_Elapse	24100		
target_Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_mS_u32_CurrentT			
target Rte Call Sa MtrDrvDiag SystemTime GetSystemTime uS u32 CurrentT			
target_Rte_Inst_Sa_MtrDrvDiag_MtrDrvDiag_Per1_FETFaultPhase_Cnt_enum	target_MtrDrvDiag_Per1_FETFaultPhase_0	Ont enum	
target Rte Inst Sa MtrDrvDiag.MtrDrvDiag Per1 FETFaultType Cnt enum	target MtrDrvDiag Per1 FETFaultType Ci	_	
target_Rte_Inst_Sa_MtrDrvDiag.MtrDrvDiag_Per1_GateDriveResetActive_Cnt_lgc	target_MtrDrvDiag_Per1_GateDriveResetA	ctive Cnt Iqc	
target Rte Inst Sa MtrDrvDiag.MtrDrvDiag Per1 MtrDrvrInitComplete Cnt Igc	target MtrDrvDiag Per1 MtrDrvrInitComple		
target_Rte_Inst_Sa_MtrDrvDiag.MtrDrvDiag_Per1_MtrDrvrInitStart_Cnt_Igc	target_MtrDrvDiag_Per1_MtrDrvrInitStart_0	int lgc	
Name	Actual Value	Expected Value	Result
SVDiag FETFaultPhase Cnt M enum	1	1	-1000
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 OnStateFitAcc Cnt M u16	63313	63313 ± 1	
SVDiag ResetWaitLoop Cnt M Igc	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	0x4D 0x00	0x40	
Status	0x00	0x00	
NTC Param	0x4E	0x4E	
Param Status	0x00	0x00	
Status	0x00	0x00	
NTC	0x4F 0x00	0x4F 0x00	· ·
		LUXUU	<b>✓</b>
Param Status	0x00	0x00	•

T				
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	<b>✓</b>
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	<b>✓</b>
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 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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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	<b>V</b>
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	<b>V</b>
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	<b>V</b>
GateDrvWaitTime	1	GateDrvWaitTime	1	•
Rte_Call_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	<b>✓</b>
Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32	1	Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32	1	~
Rte_Call_Sa_MtrDrvDiag_SystemTime_DtrmnElapsedTime_uS_u16	1	Rte_Call_Sa_MtrDrvDiag_SystemTime_DtrmnElapsedTime_uS_u16	1	•
Rte_Call_Sa_MtrDrvDiag_FetFlt2Clk_OP_SET	1	Rte_Call_Sa_MtrDrvDiag_FetFlt2Clk_OP_SET	1	~
GateDrvWaitTime	1	GateDrvWaitTime	1	~
Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32	1	Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_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	<b>V</b>
Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32	1	Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32	1	· ·
Rte_Call_Sa_MtrDrvDiag_SystemTime_DtrmnElapsedTime_uS_u16	1	Rte_Call_Sa_MtrDrvDiag_SystemTime_DtrmnElapsedTime_uS_u16	1	<b>V</b>
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:continuous} TS1.2"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) = False && ((^OnStateFitAccPtr_Cnt_T_u16)<((k_GateDriveDiag_Cnt_str.Threshold)-(k_GateDriveDiag_Cnt_str.PStep) = False && ((^OnStateFitAccPtr_Cnt_T_u16)<((k_GateDriveDiag_Cnt_str.PStep)) = False && ((^OnStateFitAccPtr_Cnt_Str.PStep) = False && ((^OnStateFitA$ 

=True &&

SVDiag\_FETFaultPhase\_Cnt\_M\_enum

 ${\tt SVDiag\_FETFaultType\_Cnt\_M\_enum}$ 

target\_GenGateDriveFltAccPtr\_Cnt\_T\_u16

SVDiag\_ResetWaitLoop\_Cnt\_M\_lgc

Test Step 1.1 (Repeat Count = 1)			<b>~</b>
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		
$target\_Rte\_Call\_Sa\_MtrDrvDiag\_NxtrDiagMgr\_GetNTCFailed\_NTCFailed\_Ptr\_T\_Identification that the property of t$	g <sub>1</sub> 1		
$target\_Rte\_Call\_Sa\_MtrDrvDiag\_SystemTime\_GetSystemTime\_uS\_u32\_CurrentTime\_uS\_u32\_CurrentTime\_uS\_u32\_CurrentTime\_uS\_u32\_CurrentTime\_uS\_u32\_CurrentTime\_uS\_u32\_CurrentTime\_uS\_u32\_CurrentTime\_uS\_u32\_CurrentTime\_uS\_u33\_Curren$	ir 4000		
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*	~

target_OnStateFltAccPtr_Cnt_T_u16		2031	2031		<b>~</b>
T					<b>✓</b>
Actual Function	Count	Expected Function		Count	Result
*none*	0	*** No Call Expected ***		0	~

2

2

1

20

2

2

1

20

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	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_lgr	0		
$target\_Rte\_Call\_Sa\_MtrDrvDiag\_SystemTime\_GetSystemTime\_uS\_u32\_CurrentTire\_uS_u32\_CurrentTire\_uS_u32\_CurrentTire\_uS_u32\_CurrentTire\_uS_u32\_CurrentTire\_uS_u32\_CurrentTire\_uS_u33\_CurrentTire\_u33\_CurrentTire\_uS_u33\_CurrentTire\_u33\_CurrentTire$	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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Name	Actual Value	Expected Value	Result
SVDiag_FETFaultPhase_Cnt_M_enum	3	3	
SVDiag_FETFaultType_Cnt_M_enum	2	2	<b>✓</b>
SVDiag_ResetWaitLoop_Cnt_M_lgc	1	1	✓
target_GenGateDriveFltAccPtr_Cnt_T_u16	200	200	<b>✓</b>
target_OnStateFltAccPtr_Cnt_T_u16	455	455	<b>✓</b>

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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	<b>~</b>
GateDrvWaitTime	1	GateDrvWaitTime	1	~
Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32	1	Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32	1	•
Rte_Call_Sa_MtrDrvDiag_SystemTime_DtrmnElapsedTime_uS_u16	1	Rte_Call_Sa_MtrDrvDiag_SystemTime_DtrmnElapsedTime_uS_u16	1	~
Rte_Call_Sa_MtrDrvDiag_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	<b>V</b>
GateDrvWaitTime	1	GateDrvWaitTime	1	~
Rte_Call_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	<b>V</b>
Rte_Call_Sa_MtrDrvDiag_FetFlt2Clk_OP_SET GateDrvWaitTime	1	Rte_Call_Sa_MtrDrvDiag_FetFlt2Clk_OP_SET GateDrvWaitTime	1	<b>V</b>
Rte_Call_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	<b>V</b>
Dto Coll Co MtsDn Dion Contractions Dto 51 17 C	1	Rte_Call_Sa_MtrDrvDiag_SystemTime_DtrmnElapsedTime_uS_u16	1	<b>✓</b>
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	<b>✓</b>
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	<b>V</b>
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	<b>*</b>
Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32	1	Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32	1	
Rte_Call_Sa_MtrDrvDiag_SystemTime_DtrmnElapsedTime_uS_u16	1	Rte_Call_Sa_MtrDrvDiag_SystemTime_DtrmnElapsedTime_uS_u16	1	~
Rte_Call_Sa_MtrDrvDiag_FetFlt2Clk_OP_SET	1	Rte_Call_Sa_MtrDrvDiag_FetFlt2Clk_OP_SET	1	-
GateDrvWaitTime	1	GateDrvWaitTime	1	<b>~</b>
Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32	1	Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_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	<b>✓</b>
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	<b>V</b>
Rte_Call_Sa_MtrDrvDiag_FetFlt2Clk_OP_SET	1	Rte_Call_Sa_MtrDrvDiag_FetFlt2Clk_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	<b>~</b>
GateDrvWaitTime	1	GateDrvWaitTime	1	~
Rte_Call_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	<b>V</b>
Rte_Call_Sa_MtrDrvDiag_FetFlt2Clk_OP_SET	1	Rte_Call_Sa_MtrDrvDiag_FetFlt2Clk_OP_SET	1	<b>V</b>
GateDrvWaitTime	1	GateDrvWaitTime	1	<b>V</b>
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	<b>*</b>
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	<b>V</b>
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	<b>✓</b>
	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	<b>✓</b>
Rte_Call_Sa_MtrDrvDiag_NxtrDiagMgr_SetNTCStatus	1	Rte_Call_Sa_MtrDrvDiag_NxtrDiagMgr_SetNTCStatus	1	~

Test Step 2.2 (Repeat Count = 1)			V
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		
$target\_Rte\_Call\_Sa\_MtrDrvDiag\_NxtrDiagMgr\_GetNTCFailed\_NTCFailed\_Ptr\_T\_lgrame and the property of the proper$	1		
target_Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32_CurrentTir	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	~

T				
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	<b>✓</b>

Test Step 2.3 (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_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_OnStateFltAccPtr_Cnt_T_u16	477	
target Rte Call Sa MtrDrvDiag NxtrDiagMgr GetNTCFailed NTCFailed Ptr T Ig	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	~

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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	<b>V</b>
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	<b>*</b>
Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32	1	Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32	1	
Rte_Call_Sa_MtrDrvDiag_SystemTime_DtrmnElapsedTime_uS_u16	1	Rte_Call_Sa_MtrDrvDiag_SystemTime_DtrmnElapsedTime_uS_u16	1	~
Rte_Call_Sa_MtrDrvDiag_FetFlt2Clk_OP_SET	1	Rte_Call_Sa_MtrDrvDiag_FetFlt2Clk_OP_SET	1	-
GateDrvWaitTime	1	GateDrvWaitTime	1	<b>~</b>
Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32	1	Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_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	<b>✓</b>
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	<b>V</b>
Rte_Call_Sa_MtrDrvDiag_FetFlt2Clk_OP_SET	1	Rte_Call_Sa_MtrDrvDiag_FetFlt2Clk_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	<b>~</b>
GateDrvWaitTime	1	GateDrvWaitTime	1	~
Rte_Call_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	<b>V</b>
Rte_Call_Sa_MtrDrvDiag_FetFlt2Clk_OP_SET	1	Rte_Call_Sa_MtrDrvDiag_FetFlt2Clk_OP_SET	1	<b>V</b>
GateDrvWaitTime	1	GateDrvWaitTime	1	<b>V</b>
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	<b>*</b>
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	<b>V</b>
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	<b>✓</b>
	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)			<b>✓</b>
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		
$target\_Rte\_Call\_Sa\_MtrDrvDiag\_NxtrDiagMgr\_GetNTCFailed\_NTCFailed\_Ptr\_T\_lgrame and the property of the proper$	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	-

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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	<b>V</b>
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	<b>✓</b>
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	<b>V</b>
Rte_Call_Sa_MtrDrvDiag_FetFlt1Data_OP_GET	1	Rte_Call_Sa_MtrDrvDiag_FetFlt1Data_OP_GET	1	<b>V</b>
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	<b>V</b>
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	<b>V</b>
Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32	1	Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32	1	<b>V</b>
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	<b>V</b>
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	<b>*</b>
Rte Call Sa MtrDrvDiag FetFlt1Data OP GET	1	Rte_Call_Sa_MtrDrvDiag_FetFlt1Data_OP_GET	1	
Rte_Call_Sa_MtrDrvDiag_FetFlt2Clk_OP_SET	1	Rte Call Sa MtrDrvDiag FetFlt2Clk OP SET	1	~
GateDrvWaitTime	1	GateDrvWaitTime	1	~
Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32	1	Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32	1	~
Rte_Call_Sa_MtrDrvDiag_SystemTime_DtrmnElapsedTime_uS_u16	1	Rte_Call_Sa_MtrDrvDiag_SystemTime_DtrmnElapsedTime_uS_u16	1	•
Rte_Call_Sa_MtrDrvDiag_FetFlt2Clk_OP_SET	1	Rte_Call_Sa_MtrDrvDiag_FetFlt2Clk_OP_SET	1	•
GateDrvWaitTime	1	GateDrvWaitTime	1	~
Rte_Call_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	<b>V</b>
Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32	1	Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32	1	· ·
Rte_Call_Sa_MtrDrvDiag_SystemTime_DtrmnElapsedTime_uS_u16	1	Rte_Call_Sa_MtrDrvDiag_SystemTime_DtrmnElapsedTime_uS_u16	1	<b>V</b>
Rte_Call_Sa_MtrDrvDiag_FetFlt2Clk_OP_SET	1	Rte_Call_Sa_MtrDrvDiag_FetFlt2Clk_OP_SET	1	<b>V</b>
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	<b>✓</b>
Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32	1	Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_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	<b>✓</b>
GateDrvWaitTime	1	GateDrvWaitTime	1	~
Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32	1	Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_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	<b>✓</b>
Rte_Call_Sa_MtrDrvDiag_NxtrDiagMgr_SetNTCStatus(Status_Cnt_T_enum)	1	1	-
SVDiag_FETFaultPhase_Cnt_M_enum	0	0	<b>✓</b>
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	<b>V</b>
Rte_Call_Sa_MtrDrvDiag_FetFlt2Clk_OP_SET GateDrvWaitTime	1	Rte_Call_Sa_MtrDrvDiag_FetFlt2Clk_OP_SET GateDrvWaitTime	1	<b>V</b>
Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32	1	Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_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	<b>V</b>
Rte_Call_Sa_MtrDrvDiag_FetFlt2Clk_OP_SET	1	Rte_Call_Sa_MtrDrvDiag_FetFlt2Clk_OP_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	<b>✓</b>
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	<b>~</b>
Rte_Call_Sa_MtrDrvDiag_FetFlt1Data_OP_GET	1	Rte_Call_Sa_MtrDrvDiag_FetFlt1Data_OP_GET	1	~
Rte_Call_Sa_MtrDrvDiag_FetFlt2Clk_OP_SET	1	Rte_Call_Sa_MtrDrvDiag_FetFlt2Clk_OP_SET	1	•
GateDrvWaitTime	1	GateDrvWaitTime	1	~
Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32	1	Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32	1	~
Rte_Call_Sa_MtrDrvDiag_SystemTime_DtrmnElapsedTime_uS_u16	1	Rte_Call_Sa_MtrDrvDiag_SystemTime_DtrmnElapsedTime_uS_u16	1	~
Rte_Call_Sa_MtrDrvDiag_FetFlt2Clk_OP_SET	1	Rte_Call_Sa_MtrDrvDiag_FetFlt2Clk_OP_SET	1	~
GateDrvWaitTime	1	GateDrvWaitTime	1	~
Rte_Call_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	<b>✓</b>
Rte_Call_Sa_MtrDrvDiag_FetFlt2Clk_OP_SET	1	Rte_Call_Sa_MtrDrvDiag_FetFlt2Clk_OP_SET	1	~
GateDrvWaitTime	1	GateDrvWaitTime	1	<b>V</b>
Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32	1	Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32	1	<b>✓</b>
Rte_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	<b>*</b>
Rte Call Sa MtrDrvDiag SystemTime DtrmnElapsedTime uS u16	1	Rte Call Sa MtrDrvDiag SystemTime DtrmnElapsedTime uS u16	1	-
Rte_Call_Sa_MtrDrvDiag_FetFlt2Clk_OP_SET	1	Rte_Call_Sa_MtrDrvDiag_FetFlt2Clk_OP_SET	1	<b>✓</b>
GateDrvWaitTime	1	GateDrvWaitTime	1	~
Rte_Call_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	<b>✓</b>
Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32	1	Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32	1	~
Rte_Call_Sa_MtrDrvDiag_SystemTime_DtrmnElapsedTime_uS_u16	1	Rte_Call_Sa_MtrDrvDiag_SystemTime_DtrmnElapsedTime_uS_u16	1	<b>✓</b>
Rte_Call_Sa_MtrDrvDiag_FetFlt2Clk_OP_SET	1	Rte_Call_Sa_MtrDrvDiag_FetFlt2Clk_OP_SET	1	~
GateDrvWaitTime	1	GateDrvWaitTime	1	<b>✓</b>
Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32	1	Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32	1	~
Rte_Call_Sa_MtrDrvDiag_SystemTime_DtrmnElapsedTime_uS_u16	1	Rte_Call_Sa_MtrDrvDiag_SystemTime_DtrmnElapsedTime_uS_u16	1	<b>✓</b>
Rte_Call_Sa_MtrDrvDiag_FetFlt1Data_OP_GET	1	Rte_Call_Sa_MtrDrvDiag_FetFlt1Data_OP_GET	1	<b>*</b>
				- 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	<b>✓</b>

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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	<b>V</b>
Rte_Call_Sa_MtrDrvDiag_FetFlt2Clk_OP_SET GateDrvWaitTime	1	Rte_Call_Sa_MtrDrvDiag_FetFlt2Clk_OP_SET GateDrvWaitTime	1	<b>V</b>
Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32	1	Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_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	<b>V</b>
Rte_Call_Sa_MtrDrvDiag_FetFlt2Clk_OP_SET	1	Rte_Call_Sa_MtrDrvDiag_FetFlt2Clk_OP_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	<b>✓</b>
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	<b>~</b>
Rte_Call_Sa_MtrDrvDiag_FetFlt1Data_OP_GET	1	Rte_Call_Sa_MtrDrvDiag_FetFlt1Data_OP_GET	1	~
Rte_Call_Sa_MtrDrvDiag_FetFlt2Clk_OP_SET	1	Rte_Call_Sa_MtrDrvDiag_FetFlt2Clk_OP_SET	1	•
GateDrvWaitTime	1	GateDrvWaitTime	1	~
Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32	1	Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32	1	~
Rte_Call_Sa_MtrDrvDiag_SystemTime_DtrmnElapsedTime_uS_u16	1	Rte_Call_Sa_MtrDrvDiag_SystemTime_DtrmnElapsedTime_uS_u16	1	~
Rte_Call_Sa_MtrDrvDiag_FetFlt2Clk_OP_SET	1	Rte_Call_Sa_MtrDrvDiag_FetFlt2Clk_OP_SET	1	~
GateDrvWaitTime	1	GateDrvWaitTime	1	~
Rte_Call_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	<b>✓</b>
Rte_Call_Sa_MtrDrvDiag_FetFlt2Clk_OP_SET	1	Rte_Call_Sa_MtrDrvDiag_FetFlt2Clk_OP_SET	1	~
GateDrvWaitTime	1	GateDrvWaitTime	1	<b>V</b>
Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32	1	Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32	1	<b>✓</b>
Rte_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	<b>*</b>
Rte Call Sa MtrDrvDiag SystemTime DtrmnElapsedTime uS u16	1	Rte Call Sa MtrDrvDiag SystemTime DtrmnElapsedTime uS u16	1	-
Rte_Call_Sa_MtrDrvDiag_FetFlt2Clk_OP_SET	1	Rte_Call_Sa_MtrDrvDiag_FetFlt2Clk_OP_SET	1	<b>✓</b>
GateDrvWaitTime	1	GateDrvWaitTime	1	~
Rte_Call_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	<b>✓</b>
Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32	1	Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32	1	~
Rte_Call_Sa_MtrDrvDiag_SystemTime_DtrmnElapsedTime_uS_u16	1	Rte_Call_Sa_MtrDrvDiag_SystemTime_DtrmnElapsedTime_uS_u16	1	<b>✓</b>
Rte_Call_Sa_MtrDrvDiag_FetFlt2Clk_OP_SET	1	Rte_Call_Sa_MtrDrvDiag_FetFlt2Clk_OP_SET	1	~
GateDrvWaitTime	1	GateDrvWaitTime	1	<b>✓</b>
Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32	1	Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32	1	~
Rte_Call_Sa_MtrDrvDiag_SystemTime_DtrmnElapsedTime_uS_u16	1	Rte_Call_Sa_MtrDrvDiag_SystemTime_DtrmnElapsedTime_uS_u16	1	<b>✓</b>
Rte_Call_Sa_MtrDrvDiag_FetFlt1Data_OP_GET	1	Rte_Call_Sa_MtrDrvDiag_FetFlt1Data_OP_GET	1	<b>*</b>
				- 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	<b>✓</b>
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	<b>✓</b>
Rte_Call_Sa_MtrDrvDiag_FetFlt2Clk_OP_SET	1	Rte_Call_Sa_MtrDrvDiag_FetFlt2Clk_OP_SET	1	~
GateDrvWaitTime	1	GateDrvWaitTime	1	~
Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32	1	Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32	1	~
Rte_Call_Sa_MtrDrvDiag_SystemTime_DtrmnElapsedTime_uS_u16	1	Rte_Call_Sa_MtrDrvDiag_SystemTime_DtrmnElapsedTime_uS_u16	1	•
Rte_Call_Sa_MtrDrvDiag_FetFlt2Clk_OP_SET	1	Rte_Call_Sa_MtrDrvDiag_FetFlt2Clk_OP_SET	1	~
GateDrvWaitTime	1	GateDrvWaitTime	1	•
Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32	1	Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_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		
$target\_Rte\_Call\_Sa\_MtrDrvDiag\_SystemTime\_GetSystemTime\_uS\_u32\_CurrentTire_ususususususususususususususususususus$	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	<b>~</b>
GateDrvWaitTime	1	GateDrvWaitTime	1	~
Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32	1	Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32	1	•
Rte_Call_Sa_MtrDrvDiag_SystemTime_DtrmnElapsedTime_uS_u16	1	Rte_Call_Sa_MtrDrvDiag_SystemTime_DtrmnElapsedTime_uS_u16	1	~
Rte_Call_Sa_MtrDrvDiag_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	<b>V</b>
GateDrvWaitTime	1	GateDrvWaitTime	1	~
Rte_Call_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	<b>V</b>
Rte_Call_Sa_MtrDrvDiag_FetFlt2Clk_OP_SET GateDrvWaitTime	1	Rte_Call_Sa_MtrDrvDiag_FetFlt2Clk_OP_SET GateDrvWaitTime	1	<b>V</b>
Rte_Call_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	<b>V</b>
Dto Coll Co MtsDn Diog Contractions Dto 51 17 C	1	Rte_Call_Sa_MtrDrvDiag_SystemTime_DtrmnElapsedTime_uS_u16	1	<b>✓</b>
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	<b>✓</b>
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	<b>✓</b>
Rte_Call_Sa_MtrDrvDiag_FetFlt2Clk_OP_SET	1	Rte_Call_Sa_MtrDrvDiag_FetFlt2Clk_OP_SET	1	~
GateDrvWaitTime	1	GateDrvWaitTime	1	~
Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32	1	Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32	1	~
Rte_Call_Sa_MtrDrvDiag_SystemTime_DtrmnElapsedTime_uS_u16	1	Rte_Call_Sa_MtrDrvDiag_SystemTime_DtrmnElapsedTime_uS_u16	1	•
Rte_Call_Sa_MtrDrvDiag_FetFlt2Clk_OP_SET	1	Rte_Call_Sa_MtrDrvDiag_FetFlt2Clk_OP_SET	1	~
GateDrvWaitTime	1	GateDrvWaitTime	1	•
Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32	1	Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_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	~

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_lg	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	Ī	~
target_GenGateDriveFltAccPtr_Cnt_T_u16	20	20	-
target OnStateFltAccPtr Cnt T u16	2031	2031	

T				<b>✓</b>
Actual Function	Count	Expected Function	Count	Result
*none*	0	*** No Call Expected ***	0	~

ProcBridgeFlt

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Test Step 2.9 (Repeat Count = 1)

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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	<b>V</b>
Rte_Call_Sa_MtrDrvDiag_FetFlt2Clk_OP_SET GateDrvWaitTime	1	Rte_Call_Sa_MtrDrvDiag_FetFlt2Clk_OP_SET GateDrvWaitTime	1	<b>V</b>
Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32	1	Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_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	<b>V</b>
Rte_Call_Sa_MtrDrvDiag_FetFlt2Clk_OP_SET	1	Rte_Call_Sa_MtrDrvDiag_FetFlt2Clk_OP_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	<b>✓</b>
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	<b>~</b>
Rte_Call_Sa_MtrDrvDiag_FetFlt1Data_OP_GET	1	Rte_Call_Sa_MtrDrvDiag_FetFlt1Data_OP_GET	1	~
Rte_Call_Sa_MtrDrvDiag_FetFlt2Clk_OP_SET	1	Rte_Call_Sa_MtrDrvDiag_FetFlt2Clk_OP_SET	1	•
GateDrvWaitTime	1	GateDrvWaitTime	1	~
Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32	1	Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32	1	~
Rte_Call_Sa_MtrDrvDiag_SystemTime_DtrmnElapsedTime_uS_u16	1	Rte_Call_Sa_MtrDrvDiag_SystemTime_DtrmnElapsedTime_uS_u16	1	~
Rte_Call_Sa_MtrDrvDiag_FetFlt2Clk_OP_SET	1	Rte_Call_Sa_MtrDrvDiag_FetFlt2Clk_OP_SET	1	~
GateDrvWaitTime	1	GateDrvWaitTime	1	~
Rte_Call_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	<b>✓</b>
Rte_Call_Sa_MtrDrvDiag_FetFlt2Clk_OP_SET	1	Rte_Call_Sa_MtrDrvDiag_FetFlt2Clk_OP_SET	1	~
GateDrvWaitTime	1	GateDrvWaitTime	1	<b>V</b>
Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32	1	Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32	1	<b>✓</b>
Rte_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	<b>*</b>
Rte Call Sa MtrDrvDiag SystemTime DtrmnElapsedTime uS u16	1	Rte Call Sa MtrDrvDiag SystemTime DtrmnElapsedTime uS u16	1	-
Rte_Call_Sa_MtrDrvDiag_FetFlt2Clk_OP_SET	1	Rte_Call_Sa_MtrDrvDiag_FetFlt2Clk_OP_SET	1	<b>✓</b>
GateDrvWaitTime	1	GateDrvWaitTime	1	~
Rte_Call_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	<b>✓</b>
Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32	1	Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32	1	~
Rte_Call_Sa_MtrDrvDiag_SystemTime_DtrmnElapsedTime_uS_u16	1	Rte_Call_Sa_MtrDrvDiag_SystemTime_DtrmnElapsedTime_uS_u16	1	<b>✓</b>
Rte_Call_Sa_MtrDrvDiag_FetFlt2Clk_OP_SET	1	Rte_Call_Sa_MtrDrvDiag_FetFlt2Clk_OP_SET	1	~
GateDrvWaitTime	1	GateDrvWaitTime	1	<b>✓</b>
Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32	1	Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32	1	~
Rte_Call_Sa_MtrDrvDiag_SystemTime_DtrmnElapsedTime_uS_u16	1	Rte_Call_Sa_MtrDrvDiag_SystemTime_DtrmnElapsedTime_uS_u16	1	<b>✓</b>
Rte_Call_Sa_MtrDrvDiag_FetFlt1Data_OP_GET	1	Rte_Call_Sa_MtrDrvDiag_FetFlt1Data_OP_GET	1	<b>*</b>
				- 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 2.10 (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	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	Resul
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	

Т				<b>✓</b>
Actual Function	Count	Expected Function	Count	Result
*none*	0	*** No Call Expected ***	0	~





Test Step 2.11 (Repeat Count = 1)			<b>✓</b>
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		
$target\_Rte\_Call\_Sa\_MtrDrvDiag\_NxtrDiagMgr\_GetNTCFailed\_NTCFailed\_Ptr\_T\_lgrams and target\_Rte\_Call\_Sa\_MtrDrvDiag\_NxtrDiagMgr\_GetNTCFailed\_NTCFailed\_Ptr\_T\_lgrams and target\_Rte\_Call\_Sa\_MtrDrvDiag\_NxtrDiagNgr\_GetNTCFailed\_N$	1		
$target\_Rte\_Call\_Sa\_MtrDrvDiag\_SystemTime\_GetSystemTime\_uS\_u32\_CurrentTire\_uS\_u32\_CurrentTire\_uS\_u32\_CurrentTire\_uS\_u32\_CurrentTire\_uS\_u32\_CurrentTire\_uS\_u32\_CurrentTire\_uS\_u32\_CurrentTire\_uS\_u32\_CurrentTire\_uS\_u32\_CurrentTire\_uS\_u33\_Curren$	60000		
Name	Actual Value	Expected Value	Result

target_Rte_Cail_Sa_ivitiDivDiag_SystemTime_GetSystemTime_uS_u32_CurrentTir	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	~

T				<b>✓</b>
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)			<b>~</b>
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	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 0		
target_Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32_CurrentT	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*	<b>✓</b>

Actual Function	Count	Expected Function		Count	<b>✓</b> Result
T					✓
target_OnStateFitAccPtr_Cnt_T_u16		1101	1101		<b>~</b>
target_GenGateDriveFltAccPtr_Cnt_T_u16		60	60		~
3 V Diag_Neset V VallE LOOP_CITE_IVI_IGC		1	1		~
SVDiag ResetWaitLoop Cnt M lgc					

0

2

0

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\_FETFaultPhase\_Cnt\_M\_enum

SVDiag\_FETFaultType\_Cnt\_M\_enum

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ProcBridgeFlt

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	Igi 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	<b>✓</b>
Rte_Call_Sa_MtrDrvDiag_NxtrDiagMgr_SetNTCStatus(Status_Cnt_T_enum)	1	1	~
SVDiag FETFaultPhase Cnt M enum	0	0	✓

1

0

100

1

100

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	<b>V</b>
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	<b>✓</b>
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	<b>V</b>
Rte_Call_Sa_MtrDrvDiag_FetFlt1Data_OP_GET	1	Rte_Call_Sa_MtrDrvDiag_FetFlt1Data_OP_GET	1	<b>V</b>
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	<b>V</b>
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	<b>V</b>
Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32	1	Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32	1	<b>V</b>
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	<b>V</b>
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	<b>*</b>
Rte Call Sa MtrDrvDiag FetFlt1Data OP GET	1	Rte_Call_Sa_MtrDrvDiag_FetFlt1Data_OP_GET	1	
Rte_Call_Sa_MtrDrvDiag_FetFlt2Clk_OP_SET	1	Rte Call Sa MtrDrvDiag FetFlt2Clk OP SET	1	~
GateDrvWaitTime	1	GateDrvWaitTime	1	~
Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32	1	Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32	1	~
Rte_Call_Sa_MtrDrvDiag_SystemTime_DtrmnElapsedTime_uS_u16	1	Rte_Call_Sa_MtrDrvDiag_SystemTime_DtrmnElapsedTime_uS_u16	1	•
Rte_Call_Sa_MtrDrvDiag_FetFlt2Clk_OP_SET	1	Rte_Call_Sa_MtrDrvDiag_FetFlt2Clk_OP_SET	1	•
GateDrvWaitTime	1	GateDrvWaitTime	1	~
Rte_Call_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	<b>V</b>
Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32	1	Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32	1	· ·
Rte_Call_Sa_MtrDrvDiag_SystemTime_DtrmnElapsedTime_uS_u16	1	Rte_Call_Sa_MtrDrvDiag_SystemTime_DtrmnElapsedTime_uS_u16	1	<b>V</b>
Rte_Call_Sa_MtrDrvDiag_FetFlt2Clk_OP_SET	1	Rte_Call_Sa_MtrDrvDiag_FetFlt2Clk_OP_SET	1	<b>V</b>
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_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	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		
$target\_Rte\_Call\_Sa\_MtrDrvDiag\_NxtrDiagMgr\_GetNTCFailed\_NTCFailed\_Ptr\_T\_lg$	1		
$target\_Rte\_Call\_Sa\_MtrDrvDiag\_SystemTime\_GetSystemTime\_uS\_u32\_CurrentTire\_uS\_u32\_CurrentTire\_uS\_u32\_CurrentTire\_uS\_u32\_CurrentTire\_uS\_u32\_CurrentTire\_uS\_u32\_CurrentTire\_uS\_u32\_CurrentTire\_uS\_u32\_CurrentTire\_uS\_u32\_CurrentTire\_uS\_u32\_CurrentTire\_uS\_u33\_Curren$	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	<b>✓</b>
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_OnStateFltAccPtr_Cnt_T_u16	500	500	~

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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	~		
Rte_Call_Sa_MtrDrvDiag_NxtrDiagMgr_SetNTCStatus	1	Rte_Call_Sa_MtrDrvDiag_NxtrDiagMgr_SetNTCStatus	1	<b>✓</b>		

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	<b>✓</b>

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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_System i ime_btrmnEiapsed i ime_us_u16  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_detSystemTime_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	<b>→</b>

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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_IoHwAbPortConfig_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		
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	ne_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\_lgrame and the control of the control $	1		
target_Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32_CurrentTime_us_u32_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	~

Τ					
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	<b>✓</b>	



#### **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 &&

TS3.2"((\*OnStateFitAccPtr\_Cnt\_T\_u16)<((k\_GateDriveDiag\_Cnt\_str.Threshold)-(k\_GateDriveTrue && ===(\*OnStateFitAccPtr\_Cnt\_T\_u16)>=(k\_GateDriveDiag\_Cnt\_str.Threshold)?1:0=False && ((\*OnStateFitAccPtr\_Cnt\_T\_u16)>=((k\_GateDriveDiag\_Cnt\_str.Threshold))= False" TS3.3"(TRUE == OnStateFitActive\_Cnt\_T\_lgc)= True && (FaultedPhases\_Cnt\_T\_u16 == 1U)= True" TS3.4" (FaultedPhases\_Cnt\_T\_u16 > 1U) = False" TS3.5"(FaultedPhases\_Cnt\_T\_u16 == 1U) = False &&

-("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		
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 <sub>1</sub> 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	-

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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	<b>•</b>
Rte_Call_Sa_MtrDrvDiag_FetFlt2Clk_OP_SET GateDrvWaitTime	1	Rte_Call_Sa_MtrDrvDiag_FetFlt2Clk_OP_SET	1	<b>*</b>
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	<b>✓</b>
Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32	1	Rte Call Sa MtrDrvDiag SystemTime GetSystemTime uS u32	1	-
Rte_Call_Sa_MtrDrvDiag_SystemTime_DtrmnElapsedTime_uS_u16	1	Rte_Call_Sa_MtrDrvDiag_SystemTime_DtrmnElapsedTime_uS_u16	1	-
Rte_Call_Sa_MtrDrvDiag_FetFlt2Clk_OP_SET	1	Rte_Call_Sa_MtrDrvDiag_FetFlt2Clk_OP_SET	1	-
GateDrvWaitTime	1	GateDrvWaitTime	1	•
Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32	1	Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_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	<b>✓</b>
GateDrvWaitTime	1	GateDrvWaitTime	1	~
Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32	1	Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32	1	<b>V</b>
Rte_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	<b>✓</b>
Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32	1	Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32	1	-
Rte_Call_Sa_MtrDrvDiag_SystemTime_DtrmnElapsedTime_uS_u16	1	Rte_Call_Sa_MtrDrvDiag_SystemTime_DtrmnElapsedTime_uS_u16	1	•
Rte_Call_Sa_MtrDrvDiag_FetFlt2Clk_OP_SET	1	Rte_Call_Sa_MtrDrvDiag_FetFlt2Clk_OP_SET	1	-
GateDrvWaitTime	1	GateDrvWaitTime	1	-
Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32	1	Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_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 u.S. u.32	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_NxtrD	DiagMgr_GetNTCFailed_NTCFailed_Ptr_T_lgc	
Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32(CurrentTime)	target_Rte_Call_Sa_MtrDrvDiag_Syste	emTime_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	_lg <sub>'</sub> 1		
target_Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32_Current	Tir 4000		
Name	Actual Value	Expected Value	Resu
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*	١ ,
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	- 1

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





Test Step 3.3 (Repeat Count = 1)			<b>✓</b>
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		
$target\_Rte\_Call\_Sa\_MtrDrvDiag\_NxtrDiagMgr\_GetNTCFailed\_NTCFailed\_Ptr\_T\_lgrame and the property of the proper$	1		
$target\_Rte\_Call\_Sa\_MtrDrvDiag\_SystemTime\_GetSystemTime\_uS\_u32\_CurrentTime\_us\_u32\_CurrentTime\_us\_u32\_CurrentTime\_us\_u30\_Curren$	1000		
Name	Actual Value	Expected Value	Result
		'	

target_Rte_Cail_Sa_ivitiDivDiag_SystemTime_GetSystemTime_uS_u32_CurrentTir	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	<b>✓</b>

Т				<b>✓</b>
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_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	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		
$target\_Rte\_Call\_Sa\_MtrDrvDiag\_NxtrDiagMgr\_GetNTCFailed\_NTCFailed\_Ptr\_T\_lgrame and target\_Rte\_Call\_Sa\_MtrDrvDiag\_NxtrDiagMgr\_GetNTCFailed\_NTCFailed\_Ptr\_T\_lgrame and target\_Rte\_Call\_Sa\_MtrDrvDiag\_NxtrDiagMgr\_GetNTCFailed\_NxtrDiag$	0		
$target\_Rte\_Call\_Sa\_MtrDrvDiag\_SystemTime\_GetSystemTime\_uS\_u32\_CurrentTire\_uS_u32\_CurrentTire\_uS_u32\_CurrentTire\_uS_u32\_CurrentTire\_uS_u32\_CurrentTire\_uS_u332\_Curren$	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	<b>✓</b>
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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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	<b>•</b>
Rte_Call_Sa_MtrDrvDiag_FetFlt2Clk_OP_SET GateDrvWaitTime	1	Rte_Call_Sa_MtrDrvDiag_FetFlt2Clk_OP_SET	1	<b>*</b>
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	<b>✓</b>
Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32	1	Rte Call Sa MtrDrvDiag SystemTime GetSystemTime uS u32	1	-
Rte_Call_Sa_MtrDrvDiag_SystemTime_DtrmnElapsedTime_uS_u16	1	Rte_Call_Sa_MtrDrvDiag_SystemTime_DtrmnElapsedTime_uS_u16	1	-
Rte_Call_Sa_MtrDrvDiag_FetFlt2Clk_OP_SET	1	Rte_Call_Sa_MtrDrvDiag_FetFlt2Clk_OP_SET	1	-
GateDrvWaitTime	1	GateDrvWaitTime	1	•
Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32	1	Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_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	<b>✓</b>
GateDrvWaitTime	1	GateDrvWaitTime	1	~
Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32	1	Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32	1	<b>V</b>
Rte_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	<b>✓</b>
Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32	1	Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32	1	-
Rte_Call_Sa_MtrDrvDiag_SystemTime_DtrmnElapsedTime_uS_u16	1	Rte_Call_Sa_MtrDrvDiag_SystemTime_DtrmnElapsedTime_uS_u16	1	•
Rte_Call_Sa_MtrDrvDiag_FetFlt2Clk_OP_SET	1	Rte_Call_Sa_MtrDrvDiag_FetFlt2Clk_OP_SET	1	-
GateDrvWaitTime	1	GateDrvWaitTime	1	-
Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32	1	Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_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 u.S. u.32	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	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	Ī	-
target_GenGateDriveFltAccPtr_Cnt_T_u16	1	1	-
target OnStateFltAccPtr Cnt T u16	0	0	

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ProcBridgeFlt

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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  Pto Cell So MtrDrvDiog SystemTime CetSystemTime u.S. v.22	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_Systemmine_Duminiciapsed nine_us_unb	1	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_Buffillclapsed#inle_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	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)			<b>✓</b>
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	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	<b>~</b>
GateDrvWaitTime	1	GateDrvWaitTime	1	~
Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32	1	Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32	1	•
Rte_Call_Sa_MtrDrvDiag_SystemTime_DtrmnElapsedTime_uS_u16	1	Rte_Call_Sa_MtrDrvDiag_SystemTime_DtrmnElapsedTime_uS_u16	1	~
Rte_Call_Sa_MtrDrvDiag_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	<b>V</b>
GateDrvWaitTime	1	GateDrvWaitTime	1	~
Rte_Call_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	<b>V</b>
Rte_Call_Sa_MtrDrvDiag_FetFlt2Clk_OP_SET GateDrvWaitTime	1	Rte_Call_Sa_MtrDrvDiag_FetFlt2Clk_OP_SET GateDrvWaitTime	1	<b>V</b>
Rte_Call_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	<b>V</b>
Dto Coll Co MtsDn Dion Contractions Dto 51 17 C	1	Rte_Call_Sa_MtrDrvDiag_SystemTime_DtrmnElapsedTime_uS_u16	1	<b>✓</b>
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	•

T				
Actual Function	Count	Expected Function	Count	Result
Rte_Call_Sa_MtrDrvDiag_FetDrvReset_OP_SET	1	Rte_Call_Sa_MtrDrvDiag_FetDrvReset_OP_SET	1	~