Summary

Total Test Objects:	9
Successful:	9
Failed:	0
Not Executed:	0
Date:	2015-01-29
Time:	19:02:29+0530

Overall Test Object Results (including Coverage)

- OK
- Not Executed
- Not OK

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
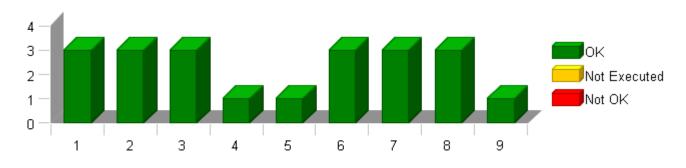
TI TMS 570 PLS UDE (Default)

Batch Operation Settings

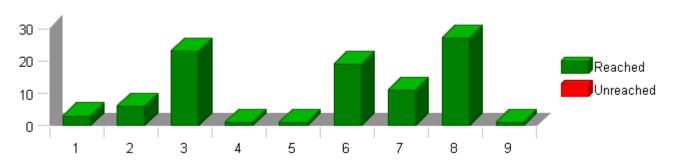|	
Check Interface:	No
Generate Driver:	Yes
Execute Test:	Yes
Create New Test Run:	No
Instrumentation:	Test Object Only
Coverage:	Statement Coverage, Branch Coverage, Decision Coverage, Modified Condition / Decision Coverage, Multiple Condition Coverage

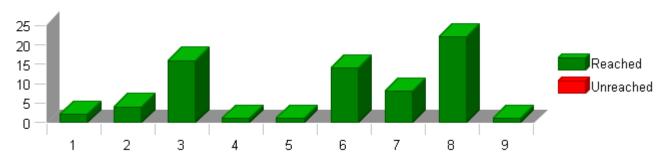## Test Case Results for Each Test Object (without Coverage)

- OK
- Not Executed
- Not OK

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
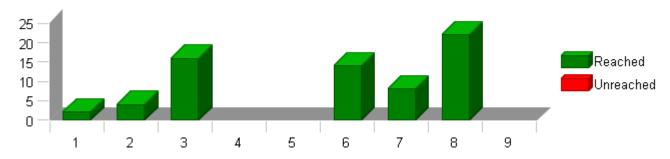

The table above shows each test object on the x axis and the number of statements of the respective test object on the y axis. Each bar is divided into reached statements (i.e. statements that have been executed during the test) and unreached statements.

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.

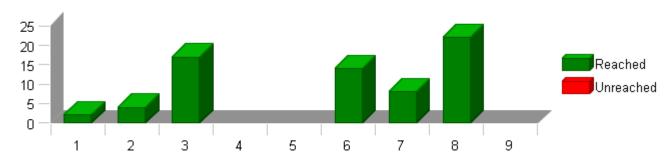## Decision Coverage: Total Decision Outcomes for Each Test Object

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.

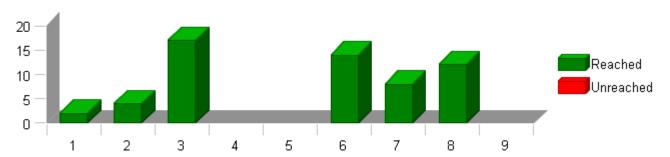Each bar is divided into reached and unreached decision outcomes.

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	GateDrvWaitTime	100 %	100 %	100 %	100 %	100 %	3 of 3 passed	✔
2	MotorDriverInit	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	ProcBridgeFlt	100 %	100 %	100 %	100 %	100 %	3 of 3 passed	✔
7	ProcGateDriveFlt	100 %	100 %	100 %	100 %	100 %	3 of 3 passed	✔
8	ReadMtrDrvFltData	100 %	100 %	100 %	100 %	100 %	3 of 3 passed	✔
9	ResetGateDrive	100 %	100 %	-	-	-	1 of 1 passed	✔

Project	MtrDrvDiag
Module	MtrDrvDiag
Test Object	ResetGateDrive

Instrumentation: Test Object Only

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

Statistics

Total Testcases	1	
Successful	1	✔
Failed	0	
Not Executed	0	

Module Properties

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

Comments/Description/Specification	
Name	**Text**
Module 'MtrDrvDiag'	**UNIT TEST DESCRIPTION**

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): 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 ""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

Attributes	
Name	**Value**
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: Path Test ✔

Specification	Performance Metrics (With "None" Instrumentation and WithPS Environment) CPU Cycles:
	TC1.1 1817.00 Cycles
Description	Vector Description
	TS1.1 Check for Call Trace

Test Step 1.1 (Repeat Count = 1) ✔

Name	Input Value
Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32(CurrentTime)	tgt_Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32_Curr
tgt_Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32_Curr	20

T ✔

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	✔

Test Case 1: Path Test

Project	MtrDrvDiag
Module	MtrDrvDiag
Test Object	MotorDriverInit

Instrumentation: Test Object Only

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

Statistics

Total Testcases	3	
Successful	3	✔
Failed	0	
Not Executed	0	

Module Properties

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

Comments/Description/Specification	
Name	**Text**

Module 'MtrDrvDiag'

```
*****************************************UNIT TEST DESCRIPTION*************************************
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): 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 ""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:

TC1.1 251 Cycles
TC1.2 504 Cycles
```

Description   Vector Description

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

Test Step 1.1 (Repeat Count = 1) ✔

Name	Input Value
Rte_Call_Sa_MtrDrvDiag_SystemTime_DtrmnElapsedTime_mS_u16(ElapsedTime)	target_Rte_Call_Sa_MtrDrvDiag_SystemTime_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	747
target_Rte_Call_Sa_MtrDrvDiag_SystemTime_DtrmnElapsedTime_mS_u16_Elapse	755
tgt_Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_mS_u32_Curr	83462
tgt_Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32_Curr	231

Name	Actual Value	Expected Value	Result
MotorDriverInit()	1	1	✔
SVDiag_MtrDrvInitActive_Cnt_M_lgc	0	0	✔
SVDiag_MtrDrvInitStartTime_mS_M_u32p0	747	747 ± 1	✔

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	✔
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(ElapsedTime)	target_Rte_Call_Sa_MtrDrvDiag_SystemTime_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_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	✔

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	✔
Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32	1	Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32	1	✔
Rte_Call_Sa_MtrDrvDiag_SystemTime_DtrmnElapsedTime_uS_u16	1	Rte_Call_Sa_MtrDrvDiag_SystemTime_DtrmnElapsedTime_uS_u16	1	✔
Rte_Call_Sa_MtrDrvDiag_FetDrvReset_OP_SET	1	Rte_Call_Sa_MtrDrvDiag_FetDrvReset_OP_SET	1	✔
ResumeAllInterrupts	1	ResumeAllInterrupts	1	✔

Test Case 2: Boundary Test ✔

Specification	Performance Metrics (With "None" Instrumentation and WithPS Environment) CPU Cycles: TC2.1 504 Cycles TC2.2 251 Cycles TC2.3 505 Cycles TC2.4 505 Cycles TC2.5 505 Cycles TC2.6 505 Cycles TC2.7 505 Cycles TC2.8 505 Cycles TC2.9 251 Cycles TC2.10 505 Cycles TC2.11 251 Cycles TC2.12 505 Cycles TC2.13 251 Cycles
Description	Vector Description TS2.1SVDiag_MtrDrvInitActive_Cnt_M_lgc=False TS2.2SVDiag_MtrDrvInitActive_Cnt_M_lgc=True TS2.3SVDiag_MtrDrvInitStartTime_mS_M_u32p0=min TS2.4SVDiag_MtrDrvInitStartTime_mS_M_u32p0=max TS2.5SVDiag_MtrDrvInitStartTime_mS_M_u32p0=pos TS2.6Rte_Call_SystemTime_GetSystemTime_mS_u32=min TS2.7Rte_Call_SystemTime_GetSystemTime_mS_u32=max TS2.8Rte_Call_SystemTime_GetSystemTime_mS_u32=pos TS2.9Rte_Call_SystemTime_DtrmnElapsedTime_mS_u16=min TS2.10Rte_Call_SystemTime_DtrmnElapsedTime_mS_u16=max TS2.11Rte_Call_SystemTime_DtrmnElapsedTime_mS_u16=pos TS2.12All Min TS2.13All Max

Test Step 2.1 (Repeat Count = 1) ✔

Name	Input Value
Rte_Call_Sa_MtrDrvDiag_SystemTime_DtrmnElapsedTime_mS_u16(ElapsedTime)	target_Rte_Call_Sa_MtrDrvDiag_SystemTime_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_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	✔

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	✔
Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32	1	Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32	1	✔
Rte_Call_Sa_MtrDrvDiag_SystemTime_DtrmnElapsedTime_uS_u16	1	Rte_Call_Sa_MtrDrvDiag_SystemTime_DtrmnElapsedTime_uS_u16	1	✔
Rte_Call_Sa_MtrDrvDiag_FetDrvReset_OP_SET	1	Rte_Call_Sa_MtrDrvDiag_FetDrvReset_OP_SET	1	✔
ResumeAllInterrupts	1	ResumeAllInterrupts	1	✔

Test Step 2.2 (Repeat Count = 1) ✔

Name	Input Value
Rte_Call_Sa_MtrDrvDiag_SystemTime_DtrmnElapsedTime_mS_u16(ElapsedTime)	target_Rte_Call_Sa_MtrDrvDiag_SystemTime_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	747
target_Rte_Call_Sa_MtrDrvDiag_SystemTime_DtrmnElapsedTime_mS_u16_Elapse	755
tgt_Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_mS_u32_Curr	83462
tgt_Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32_Curr	231

Name	Actual Value	Expected Value	Result
MotorDriverInit()	1	1	✔
SVDiag_MtrDrvInitActive_Cnt_M_lgc	0	0	✔

Name	Actual Value	Expected Value	Result
SVDiag_MtrDrvInitStartTime_mS_M_u32p0	747	747 ± 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	✔
Rte_Call_Sa_MtrDrvDiag_SystemTime_DtrmnElapsedTime_uS_u16	1	Rte_Call_Sa_MtrDrvDiag_SystemTime_DtrmnElapsedTime_uS_u16	1	✔
Rte_Call_Sa_MtrDrvDiag_FetDrvReset_OP_SET	1	Rte_Call_Sa_MtrDrvDiag_FetDrvReset_OP_SET	1	✔
ResumeAllInterrupts	1	ResumeAllInterrupts	1	✔

Test Step 2.3 (Repeat Count = 1) ✔

Name	Input Value
Rte_Call_Sa_MtrDrvDiag_SystemTime_DtrmnElapsedTime_mS_u16(ElapsedTime)	target_Rte_Call_Sa_MtrDrvDiag_SystemTime_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_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	✔

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	✔
Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32	1	Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32	1	✔
Rte_Call_Sa_MtrDrvDiag_SystemTime_DtrmnElapsedTime_uS_u16	1	Rte_Call_Sa_MtrDrvDiag_SystemTime_DtrmnElapsedTime_uS_u16	1	✔
Rte_Call_Sa_MtrDrvDiag_FetDrvReset_OP_SET	1	Rte_Call_Sa_MtrDrvDiag_FetDrvReset_OP_SET	1	✔
ResumeAllInterrupts	1	ResumeAllInterrupts	1	✔

Test Step 2.4 (Repeat Count = 1) ✔

Name	Input Value
Rte_Call_Sa_MtrDrvDiag_SystemTime_DtrmnElapsedTime_mS_u16(ElapsedTime)	target_Rte_Call_Sa_MtrDrvDiag_SystemTime_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	4294967295
target_Rte_Call_Sa_MtrDrvDiag_SystemTime_DtrmnElapsedTime_mS_u16_Elapse	755
tgt_Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_mS_u32_Curr	83462
tgt_Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32_Curr	231

Name	Actual Value	Expected Value	Result
MotorDriverInit()	1	1	✔
SVDiag_MtrDrvInitActive_Cnt_M_lgc	0	0	✔
SVDiag_MtrDrvInitStartTime_mS_M_u32p0	83462	83462 ± 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	✔
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_SystemTime_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_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	✔

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	✔
Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32	1	Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32	1	✔
Rte_Call_Sa_MtrDrvDiag_SystemTime_DtrmnElapsedTime_uS_u16	1	Rte_Call_Sa_MtrDrvDiag_SystemTime_DtrmnElapsedTime_uS_u16	1	✔
Rte_Call_Sa_MtrDrvDiag_FetDrvReset_OP_SET	1	Rte_Call_Sa_MtrDrvDiag_FetDrvReset_OP_SET	1	✔
ResumeAllInterrupts	1	ResumeAllInterrupts	1	✔

Test Step 2.6 (Repeat Count = 1) ✔

Name	**Input Value**
Rte_Call_Sa_MtrDrvDiag_SystemTime_DtrmnElapsedTime_mS_u16(ElapsedTime)	target_Rte_Call_Sa_MtrDrvDiag_SystemTime_DtrmnElapsedTime_mS_u16_ElapsedTime
Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_mS_u32(CurrentTime)	tgt_Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_mS_u32_Curr
Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32(CurrentTime)	tgt_Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32_Curr
SVDiag_MtrDrvInitActive_Cnt_M_lgc	0
SVDiag_MtrDrvInitStartTime_mS_M_u32p0	6653
target_Rte_Call_Sa_MtrDrvDiag_SystemTime_DtrmnElapsedTime_mS_u16_Elapse	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	✔

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	✔
Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32	1	Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32	1	✔
Rte_Call_Sa_MtrDrvDiag_SystemTime_DtrmnElapsedTime_uS_u16	1	Rte_Call_Sa_MtrDrvDiag_SystemTime_DtrmnElapsedTime_uS_u16	1	✔
Rte_Call_Sa_MtrDrvDiag_FetDrvReset_OP_SET	1	Rte_Call_Sa_MtrDrvDiag_FetDrvReset_OP_SET	1	✔
ResumeAllInterrupts	1	ResumeAllInterrupts	1	✔

Test Step 2.7 (Repeat Count = 1) ✔

Name	**Input Value**		**Result**
Rte_Call_Sa_MtrDrvDiag_SystemTime_DtrmnElapsedTime_mS_u16(ElapsedTime)	target_Rte_Call_Sa_MtrDrvDiag_SystemTime_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	83462		
target_Rte_Call_Sa_MtrDrvDiag_SystemTime_DtrmnElapsedTime_mS_u16_Elapse	107		
tgt_Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_mS_u32_Curr	4294967295		
tgt_Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32_Curr	3961		
Name	**Actual Value**	**Expected Value**	**Result**
MotorDriverInit()	1	1	✔
SVDiag_MtrDrvInitActive_Cnt_M_lgc	0	0	✔
SVDiag_MtrDrvInitStartTime_mS_M_u32p0	4294967295	4294967295 ± 1	✔

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	✔
Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32	1	Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32	1	✔
Rte_Call_Sa_MtrDrvDiag_SystemTime_DtrmnElapsedTime_uS_u16	1	Rte_Call_Sa_MtrDrvDiag_SystemTime_DtrmnElapsedTime_uS_u16	1	✔
Rte_Call_Sa_MtrDrvDiag_FetDrvReset_OP_SET	1	Rte_Call_Sa_MtrDrvDiag_FetDrvReset_OP_SET	1	✔
ResumeAllInterrupts	1	ResumeAllInterrupts	1	✔

Test Step 2.8 (Repeat Count = 1) ✔

Name	**Input Value**		**Result**
Rte_Call_Sa_MtrDrvDiag_SystemTime_DtrmnElapsedTime_mS_u16(ElapsedTime)	target_Rte_Call_Sa_MtrDrvDiag_SystemTime_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_Elapse	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	✔

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	✔
Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32	1	Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32	1	✔
Rte_Call_Sa_MtrDrvDiag_SystemTime_DtrmnElapsedTime_uS_u16	1	Rte_Call_Sa_MtrDrvDiag_SystemTime_DtrmnElapsedTime_uS_u16	1	✔
Rte_Call_Sa_MtrDrvDiag_FetDrvReset_OP_SET	1	Rte_Call_Sa_MtrDrvDiag_FetDrvReset_OP_SET	1	✔
ResumeAllInterrupts	1	ResumeAllInterrupts	1	✔

Test Step 2.9 (Repeat Count = 1) ✔

Name	Input Value
Rte_Call_Sa_MtrDrvDiag_SystemTime_DtrmnElapsedTime_mS_u16(ElapsedTime)	target_Rte_Call_Sa_MtrDrvDiag_SystemTime_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	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				✔
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_SystemTime_DtrmnElapsedTime_mS_u16_ElapsedTime
Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_mS_u32(CurrentTime)	tgt_Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_mS_u32_Curr
Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32(CurrentTime)	tgt_Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32_Curr
SVDiag_MtrDrvInitActive_Cnt_M_lgc	0
SVDiag_MtrDrvInitStartTime_mS_M_u32p0	4234
target_Rte_Call_Sa_MtrDrvDiag_SystemTime_DtrmnElapsedTime_mS_u16_Elapse	65535
tgt_Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_mS_u32_Curr	231
tgt_Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32_Curr	6199

Name	Actual Value	Expected Value	Result
MotorDriverInit()	1	1	✔
SVDiag_MtrDrvInitActive_Cnt_M_lgc	0	0	✔
SVDiag_MtrDrvInitStartTime_mS_M_u32p0	231	231 ± 1	✔

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	✔
Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32	1	Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_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) ✔

Name	Input Value
Rte_Call_Sa_MtrDrvDiag_SystemTime_DtrmnElapsedTime_mS_u16(ElapsedTime)	target_Rte_Call_Sa_MtrDrvDiag_SystemTime_DtrmnElapsedTime_mS_u16_ElapsedTime

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

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	✔
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_SystemTime_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_Elapse	0			
tgt_Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_mS_u32_Curr	0			
tgt_Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32_Curr	0			
Name	**Actual Value**	**Expected Value**		**Result**
MotorDriverInit()	0	0		✔
SVDiag_MtrDrvInitActive_Cnt_M_lgc	1	1		✔
SVDiag_MtrDrvInitStartTime_mS_M_u32p0	0	0 ± 1		✔

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	✔

Test Step 2.13 (Repeat Count = 1) ✔

Name	Input Value			
Rte_Call_Sa_MtrDrvDiag_SystemTime_DtrmnElapsedTime_mS_u16(ElapsedTime)	target_Rte_Call_Sa_MtrDrvDiag_SystemTime_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_Elapse	65535			
tgt_Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_mS_u32_Curr	4294967295			
tgt_Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32_Curr	4294967295			
Name	**Actual Value**	**Expected Value**		**Result**
MotorDriverInit()	1	1		✔
SVDiag_MtrDrvInitActive_Cnt_M_lgc	0	0		✔
SVDiag_MtrDrvInitStartTime_mS_M_u32p0	4294967295	4294967295 ± 1		✔

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	✔	
Rte_Call_Sa_MtrDrvDiag_SystemTime_DtrmnElapsedTime_uS_u16	1	Rte_Call_Sa_MtrDrvDiag_SystemTime_DtrmnElapsedTime_uS_u16	1	✔	
Rte_Call_Sa_MtrDrvDiag_FetDrvReset_OP_SET	1	Rte_Call_Sa_MtrDrvDiag_FetDrvReset_OP_SET	1	✔	
ResumeAllInterrupts	1	ResumeAllInterrupts	1	✔	

Test Case 3: Path Test ✔

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

TS3.1"If (False = SVDiag_MtrDrvInitActive_Cnt_M_lgc))=>True
If (ElapsedTime_mS_T_u16p0 > k_GateDrvInitDwellTime_mS_u16p0)=>True"
TS3.2"If (False = SVDiag_MtrDrvInitActive_Cnt_M_lgc)=>False
"
TS3.3If (ElapsedTime_mS_T_u16p0 > k_GateDrvInitDwellTime_mS_u16p0)=>False

Test Step 3.1 (Repeat Count = 1) ✔

Name	**Input Value**
Rte_Call_Sa_MtrDrvDiag_SystemTime_DtrmnElapsedTime_mS_u16(ElapsedTime)	target_Rte_Call_Sa_MtrDrvDiag_SystemTime_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_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	✔

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	✔	
Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32	1	Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_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_SystemTime_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	747
target_Rte_Call_Sa_MtrDrvDiag_SystemTime_DtrmnElapsedTime_mS_u16_Elapse	755
tgt_Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_mS_u32_Curr	83462
tgt_Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32_Curr	231

Name	**Actual Value**	**Expected Value**	**Result**
MotorDriverInit()	1	1	✔

Name	Actual Value	Expected Value	Result
SVDiag_MtrDrvInitActive_Cnt_M_lgc	0	0	✔
SVDiag_MtrDrvInitStartTime_mS_M_u32p0	747	747 ± 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	✔
Rte_Call_Sa_MtrDrvDiag_SystemTime_DtrmnElapsedTime_uS_u16	1	Rte_Call_Sa_MtrDrvDiag_SystemTime_DtrmnElapsedTime_uS_u16	1	✔
Rte_Call_Sa_MtrDrvDiag_FetDrvReset_OP_SET	1	Rte_Call_Sa_MtrDrvDiag_FetDrvReset_OP_SET	1	✔
ResumeAllInterrupts	1	ResumeAllInterrupts	1	✔

Test Step 3.3 (Repeat Count = 1)		✔
Name	**Input Value**	
Rte_Call_Sa_MtrDrvDiag_SystemTime_DtrmnElapsedTime_mS_u16(ElapsedTime)	target_Rte_Call_Sa_MtrDrvDiag_SystemTime_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	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				✔
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	✔

Project	MtrDrvDiag
Module	MtrDrvDiag
Test Object	GateDrvWaitTime

Instrumentation: Test Object Only

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

Statistics

Total Testcases	3	
Successful	3	✔
Failed	0	
Not Executed	0	

Module Properties

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

Comments/Description/Specification	
Name	**Text**

Module 'MtrDrvDiag'

```
*****************************************UNIT TEST DESCRIPTION*****************************************
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): 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 ""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:

TC1.1 511 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)   ✔

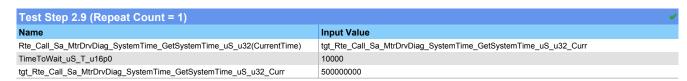| Name	Input Value
Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32(CurrentTime)	tgt_Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32_Curr
TimeToWait_uS_T_u16p0	0
tgt_Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32_Curr	1000

T				✔
Actual Function	**Count**	**Expected Function**	**Count**	**Result**
Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32	1	Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32	1	✔
Rte_Call_Sa_MtrDrvDiag_SystemTime_DtrmnElapsedTime_uS_u16	1	Rte_Call_Sa_MtrDrvDiag_SystemTime_DtrmnElapsedTime_uS_u16	1	✔

Test Step 1.2 (Repeat Count = 1)   ✔

Name	Input Value
Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32(CurrentTime)	tgt_Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32_Curr
TimeToWait_uS_T_u16p0	10000
tgt_Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32_Curr	500000000

T				✔
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
	TC2.5 520 Cycles
	TC2.6 519 Cycles
	TC2.7 519 Cycles
	TC2.8 519 Cycles
	TC2.9 801 Cycles
	TC2.10 519 Cycles
	TC2.11 519 Cycles
Description	Vector Description
	TS2.1 TimeToWait_uS_T_u16p0=Min
	TS2.2 TimeToWait_uS_T_u16p0=Max
	TS2.3 TimeToWait_uS_T_u16p0=Pos
	TS2.4 Rte_Call_SystemTime_DtrmnElapsedTime_uS_u16=Min
	TS2.5 Rte_Call_SystemTime_DtrmnElapsedTime_uS_u16=Max
	TS2.6 Rte_Call_SystemTime_DtrmnElapsedTime_uS_u16=Pos
	TS2.7 Rte_Call_SystemTime_GetSystemTime_uS_u32=Min
	TS2.8 Rte_Call_SystemTime_GetSystemTime_uS_u32=Max
	TS2.9 Rte_Call_SystemTime_GetSystemTime_uS_u32=Pos
	TS2.10 All Min
	TS2.11 All 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				✔
Actual Function	**Count**	**Expected Function**	**Count**	**Result**
Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32	1	Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32	1	✔
Rte_Call_Sa_MtrDrvDiag_SystemTime_DtrmnElapsedTime_uS_u16	1	Rte_Call_Sa_MtrDrvDiag_SystemTime_DtrmnElapsedTime_uS_u16	1	✔

Test Step 2.2 (Repeat Count = 1) ✔

Name	Input Value
Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32(CurrentTime)	tgt_Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32_Curr
TimeToWait_uS_T_u16p0	65535
tgt_Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32_Curr	70000

T				✔
Actual Function	**Count**	**Expected Function**	**Count**	**Result**
Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32	1	Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32	1	✔
Rte_Call_Sa_MtrDrvDiag_SystemTime_DtrmnElapsedTime_uS_u16	1	Rte_Call_Sa_MtrDrvDiag_SystemTime_DtrmnElapsedTime_uS_u16	1	✔

Test Step 2.3 (Repeat Count = 1) ✔

Name	Input Value
Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32(CurrentTime)	tgt_Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32_Curr
TimeToWait_uS_T_u16p0	100
tgt_Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32_Curr	2000

T				✔
Actual Function	**Count**	**Expected Function**	**Count**	**Result**
Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32	1	Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32	1	✔
Rte_Call_Sa_MtrDrvDiag_SystemTime_DtrmnElapsedTime_uS_u16	1	Rte_Call_Sa_MtrDrvDiag_SystemTime_DtrmnElapsedTime_uS_u16	1	✔

Test Step 2.4 (Repeat Count = 1) ✔

Name	Input Value
Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32(CurrentTime)	tgt_Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32_Curr
TimeToWait_uS_T_u16p0	0
tgt_Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32_Curr	3000

T				✔
Actual Function	**Count**	**Expected Function**	**Count**	**Result**
Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32	1	Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32	1	✔
Rte_Call_Sa_MtrDrvDiag_SystemTime_DtrmnElapsedTime_uS_u16	1	Rte_Call_Sa_MtrDrvDiag_SystemTime_DtrmnElapsedTime_uS_u16	1	✔

Test Step 2.5 (Repeat Count = 1) ✔

Name	Input Value
Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32(CurrentTime)	tgt_Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32_Curr
TimeToWait_uS_T_u16p0	300
tgt_Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32_Curr	4000

T				✔
Actual Function	**Count**	**Expected Function**	**Count**	**Result**
Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32	1	Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32	1	✔
Rte_Call_Sa_MtrDrvDiag_SystemTime_DtrmnElapsedTime_uS_u16	1	Rte_Call_Sa_MtrDrvDiag_SystemTime_DtrmnElapsedTime_uS_u16	1	✔

Test Step 2.6 (Repeat Count = 1) ✔

Name	Input Value
Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32(CurrentTime)	tgt_Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32_Curr
TimeToWait_uS_T_u16p0	400
tgt_Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32_Curr	5000

T				✔
Actual Function	**Count**	**Expected Function**	**Count**	**Result**
Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32	1	Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32	1	✔
Rte_Call_Sa_MtrDrvDiag_SystemTime_DtrmnElapsedTime_uS_u16	1	Rte_Call_Sa_MtrDrvDiag_SystemTime_DtrmnElapsedTime_uS_u16	1	✔

Test Step 2.7 (Repeat Count = 1) ✔

Name	Input Value
Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32(CurrentTime)	tgt_Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32_Curr
TimeToWait_uS_T_u16p0	500
tgt_Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32_Curr	0

T				✔
Actual Function	**Count**	**Expected Function**	**Count**	**Result**
Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32	1	Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32	1	✔
Rte_Call_Sa_MtrDrvDiag_SystemTime_DtrmnElapsedTime_uS_u16	1	Rte_Call_Sa_MtrDrvDiag_SystemTime_DtrmnElapsedTime_uS_u16	1	✔

Test Step 2.8 (Repeat Count = 1) ✔

Name	Input Value
Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32(CurrentTime)	tgt_Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32_Curr
TimeToWait_uS_T_u16p0	0
tgt_Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32_Curr	4294967295

T				✔
Actual Function	**Count**	**Expected Function**	**Count**	**Result**
Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32	1	Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32	1	✔
Rte_Call_Sa_MtrDrvDiag_SystemTime_DtrmnElapsedTime_uS_u16	1	Rte_Call_Sa_MtrDrvDiag_SystemTime_DtrmnElapsedTime_uS_u16	1	✔

Test Step 2.9 (Repeat Count = 1) ✔

Name	Input Value
Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32(CurrentTime)	tgt_Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32_Curr
TimeToWait_uS_T_u16p0	10000
tgt_Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32_Curr	500000000

T				✔
Actual Function	**Count**	**Expected Function**	**Count**	**Result**
Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32	1	Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32	1	✔
Rte_Call_Sa_MtrDrvDiag_SystemTime_DtrmnElapsedTime_uS_u16	2	Rte_Call_Sa_MtrDrvDiag_SystemTime_DtrmnElapsedTime_uS_u16	2	✔

Test Step 2.10 (Repeat Count = 1) ✔

Name	Input Value
Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32(CurrentTime)	tgt_Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32_Curr
TimeToWait_uS_T_u16p0	0
tgt_Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32_Curr	0

T				✔
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				✔
Actual Function	**Count**	**Expected Function**	**Count**	**Result**
Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32	1	Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32	1	✔
Rte_Call_Sa_MtrDrvDiag_SystemTime_DtrmnElapsedTime_uS_u16	1	Rte_Call_Sa_MtrDrvDiag_SystemTime_DtrmnElapsedTime_uS_u16	1	✔

Test Case 3: Path Test ✔

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

Name	Input Value
tgt_Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32_Curr	500000000

T				✔
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	✔

tgt_Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32_Curr   500000000

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\Sa_MtrDrvDiag -I$(PROJECTROOT)\MtrDrvDiag\utp\contract -I$(Compiler Install Path)\include

Comments/Description/Specification	
Name	**Text**
Module 'MtrDrvDiag'	**UNIT TEST DESCRIPTION** 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): 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 ""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

Attributes

Name	Value
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: Path Test ✔

Specification	Performance Metrics (With "None" Instrumentation and WithPS Environment) CPU Cycles: TC1.1 569 Cycles
Description	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 ✔

Actual Function	Count	Expected Function	Count	Result
Rte_Call_Sa_MtrDrvDiag_FetDrvReset_OP_SET	1	Rte_Call_Sa_MtrDrvDiag_FetDrvReset_OP_SET	1	✔

Test Case 1: Path Test

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/Specification	
Name	**Text**

Module 'MtrDrvDiag'

```
*****************************************UNIT TEST DESCRIPTION*****************************************
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): 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 ""ProcGateDriveFlt"" , ""ProcBridgeFlt"" , ""MtrDrvDiag_Per1"",""ReadMtrDrvFltData"" functions,
""Rte_Call_SystemTime_DtrmnElapsedTime_uS_u16""is not tested with its Min value, to avoid the infinite loop.


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

Attributes

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

Test Case 1: Metrics Test ✔

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

TC1.1 644073 Cycles
TC1.2 648550 Cycles
```

Description   Vector Description

TS1.1"Shortest Execution Path:
(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
&&
 (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	✔
SVDiag_FETFaultType_Cnt_M_enum	0	0	✔
tgt_StatusPtr_Cnt_T_b16	1024	1024	✔

Test Case 1: Metrics Test

T

Actual Function	Count	Expected 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	1	✔
Rte_Call_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	1	✔
Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32	1	Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32	1	✔
Rte_Call_Sa_MtrDrvDiag_SystemTime_DtrmnElapsedTime_uS_u16	1	Rte_Call_Sa_MtrDrvDiag_SystemTime_DtrmnElapsedTime_uS_u16	1	✔
Rte_Call_Sa_MtrDrvDiag_FetFlt2Clk_OP_SET	1	Rte_Call_Sa_MtrDrvDiag_FetFlt2Clk_OP_SET	1	✔
GateDrvWaitTime	1	GateDrvWaitTime	1	✔
Rte_Call_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	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	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		

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 1.2 (Repeat Count = 1)			✔
Name	**Input Value**		
Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32(CurrentTime)	tgt_Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32_Curr		
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	✔

T ✔

Actual Function	Count	Expected 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	1	✔
Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32	1	Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32	1	✔
Rte_Call_Sa_MtrDrvDiag_SystemTime_DtrmnElapsedTime_uS_u16	1	Rte_Call_Sa_MtrDrvDiag_SystemTime_DtrmnElapsedTime_uS_u16	1	✔
Rte_Call_Sa_MtrDrvDiag_FetFlt1Data_OP_GET	1	Rte_Call_Sa_MtrDrvDiag_FetFlt1Data_OP_GET	1	✔
Rte_Call_Sa_MtrDrvDiag_FetFlt2Clk_OP_SET	1	Rte_Call_Sa_MtrDrvDiag_FetFlt2Clk_OP_SET	1	✔
GateDrvWaitTime	1	GateDrvWaitTime	1	✔
Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32	1	Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32	1	✔
Rte_Call_Sa_MtrDrvDiag_SystemTime_DtrmnElapsedTime_uS_u16	1	Rte_Call_Sa_MtrDrvDiag_SystemTime_DtrmnElapsedTime_uS_u16	1	✔
Rte_Call_Sa_MtrDrvDiag_FetFlt2Clk_OP_SET	1	Rte_Call_Sa_MtrDrvDiag_FetFlt2Clk_OP_SET	1	✔
GateDrvWaitTime	1	GateDrvWaitTime	1	✔
Rte_Call_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	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	✔

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

Test Case 2: Boundary Test ✔

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

TC2.1 648625  Cycles
TC2.2 653236  Cycles
TC2.3 655425  Cycles
TC2.4 660030  Cycles
TC2.5 664822  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 Max

Test Step 2.1 (Repeat Count = 1) ✔

Name	Input Value
Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32(CurrentTime)	tgt_Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32_Curr
StatusPtr_Cnt_T_b16	tgt_StatusPtr_Cnt_T_b16
tgt_Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32_Curr	5000
tgt_StatusPtr_Cnt_T_b16	0

Name	Actual Value	Expected Value	Result
ReadMtrDrvFltData()	6	6	✔
SVDiag_FETFaultPhase_Cnt_M_enum	3	3	✔
SVDiag_FETFaultType_Cnt_M_enum	2	2	✔
tgt_StatusPtr_Cnt_T_b16	1023	1023	✔

T

Actual Function	Count	Expected 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	1	✔
Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32	1	Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32	1	✔
Rte_Call_Sa_MtrDrvDiag_SystemTime_DtrmnElapsedTime_uS_u16	1	Rte_Call_Sa_MtrDrvDiag_SystemTime_DtrmnElapsedTime_uS_u16	1	✔
Rte_Call_Sa_MtrDrvDiag_FetFlt1Data_OP_GET	1	Rte_Call_Sa_MtrDrvDiag_FetFlt1Data_OP_GET	1	✔
Rte_Call_Sa_MtrDrvDiag_FetFlt2Clk_OP_SET	1	Rte_Call_Sa_MtrDrvDiag_FetFlt2Clk_OP_SET	1	✔
GateDrvWaitTime	1	GateDrvWaitTime	1	✔
Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32	1	Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32	1	✔
Rte_Call_Sa_MtrDrvDiag_SystemTime_DtrmnElapsedTime_uS_u16	1	Rte_Call_Sa_MtrDrvDiag_SystemTime_DtrmnElapsedTime_uS_u16	1	✔
Rte_Call_Sa_MtrDrvDiag_FetFlt2Clk_OP_SET	1	Rte_Call_Sa_MtrDrvDiag_FetFlt2Clk_OP_SET	1	✔
GateDrvWaitTime	1	GateDrvWaitTime	1	✔
Rte_Call_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	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		

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_SystemTime_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	✔

T ✔

Actual Function	Count	Expected 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	1	✔
Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32	1	Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32	1	✔
Rte_Call_Sa_MtrDrvDiag_SystemTime_DtrmnElapsedTime_uS_u16	1	Rte_Call_Sa_MtrDrvDiag_SystemTime_DtrmnElapsedTime_uS_u16	1	✔
Rte_Call_Sa_MtrDrvDiag_FetFlt1Data_OP_GET	1	Rte_Call_Sa_MtrDrvDiag_FetFlt1Data_OP_GET	1	✔
Rte_Call_Sa_MtrDrvDiag_FetFlt2Clk_OP_SET	1	Rte_Call_Sa_MtrDrvDiag_FetFlt2Clk_OP_SET	1	✔
GateDrvWaitTime	1	GateDrvWaitTime	1	✔
Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32	1	Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32	1	✔
Rte_Call_Sa_MtrDrvDiag_SystemTime_DtrmnElapsedTime_uS_u16	1	Rte_Call_Sa_MtrDrvDiag_SystemTime_DtrmnElapsedTime_uS_u16	1	✔
Rte_Call_Sa_MtrDrvDiag_FetFlt2Clk_OP_SET	1	Rte_Call_Sa_MtrDrvDiag_FetFlt2Clk_OP_SET	1	✔
GateDrvWaitTime	1	GateDrvWaitTime	1	✔
Rte_Call_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	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	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	✔

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

Test Step 2.3 (Repeat Count = 1)			✔
Name	**Input Value**		
Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32(CurrentTime)	tgt_Rte_Call_Sa_MtrDrvDiag_SystemTime_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	Count	Expected 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	1	✔
Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32	1	Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32	1	✔
Rte_Call_Sa_MtrDrvDiag_SystemTime_DtrmnElapsedTime_uS_u16	1	Rte_Call_Sa_MtrDrvDiag_SystemTime_DtrmnElapsedTime_uS_u16	1	✔
Rte_Call_Sa_MtrDrvDiag_FetFlt1Data_OP_GET	1	Rte_Call_Sa_MtrDrvDiag_FetFlt1Data_OP_GET	1	✔
Rte_Call_Sa_MtrDrvDiag_FetFlt2Clk_OP_SET	1	Rte_Call_Sa_MtrDrvDiag_FetFlt2Clk_OP_SET	1	✔
GateDrvWaitTime	1	GateDrvWaitTime	1	✔
Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32	1	Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32	1	✔
Rte_Call_Sa_MtrDrvDiag_SystemTime_DtrmnElapsedTime_uS_u16	1	Rte_Call_Sa_MtrDrvDiag_SystemTime_DtrmnElapsedTime_uS_u16	1	✔
Rte_Call_Sa_MtrDrvDiag_FetFlt2Clk_OP_SET	1	Rte_Call_Sa_MtrDrvDiag_FetFlt2Clk_OP_SET	1	✔
GateDrvWaitTime	1	GateDrvWaitTime	1	✔
Rte_Call_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	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	✔

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 2.4 (Repeat Count = 1)			✔
Name	**Input Value**		
Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32(CurrentTime)	tgt_Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32_Curr		
StatusPtr_Cnt_T_b16	tgt_StatusPtr_Cnt_T_b16		
tgt_Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32_Curr	50000		
tgt_StatusPtr_Cnt_T_b16	12000		
Name	**Actual Value**	**Expected Value**	**Result**
ReadMtrDrvFltData()	0	0	✔
SVDiag_FETFaultPhase_Cnt_M_enum	0	0	✔
SVDiag_FETFaultType_Cnt_M_enum	0	0	✔
tgt_StatusPtr_Cnt_T_b16	1024	1024	✔

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Actual Function	Count	Expected 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	1	✔
Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32	1	Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32	1	✔
Rte_Call_Sa_MtrDrvDiag_SystemTime_DtrmnElapsedTime_uS_u16	1	Rte_Call_Sa_MtrDrvDiag_SystemTime_DtrmnElapsedTime_uS_u16	1	✔
Rte_Call_Sa_MtrDrvDiag_FetFlt1Data_OP_GET	1	Rte_Call_Sa_MtrDrvDiag_FetFlt1Data_OP_GET	1	✔
Rte_Call_Sa_MtrDrvDiag_FetFlt2Clk_OP_SET	1	Rte_Call_Sa_MtrDrvDiag_FetFlt2Clk_OP_SET	1	✔
GateDrvWaitTime	1	GateDrvWaitTime	1	✔
Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32	1	Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32	1	✔
Rte_Call_Sa_MtrDrvDiag_SystemTime_DtrmnElapsedTime_uS_u16	1	Rte_Call_Sa_MtrDrvDiag_SystemTime_DtrmnElapsedTime_uS_u16	1	✔
Rte_Call_Sa_MtrDrvDiag_FetFlt2Clk_OP_SET	1	Rte_Call_Sa_MtrDrvDiag_FetFlt2Clk_OP_SET	1	✔
GateDrvWaitTime	1	GateDrvWaitTime	1	✔
Rte_Call_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	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	Count	✔
Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32	1	Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32	1	✔
Rte_Call_Sa_MtrDrvDiag_SystemTime_DtrmnElapsedTime_uS_u16	1	Rte_Call_Sa_MtrDrvDiag_SystemTime_DtrmnElapsedTime_uS_u16	1	✔

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 2.5 (Repeat Count = 1)			✔
Name	**Input Value**		
Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32(CurrentTime)	tgt_Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32_Curr		
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	✔

T ✔

Actual Function	Count	Expected 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	1	✔
Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32	1	Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32	1	✔
Rte_Call_Sa_MtrDrvDiag_SystemTime_DtrmnElapsedTime_uS_u16	1	Rte_Call_Sa_MtrDrvDiag_SystemTime_DtrmnElapsedTime_uS_u16	1	✔
Rte_Call_Sa_MtrDrvDiag_FetFlt1Data_OP_GET	1	Rte_Call_Sa_MtrDrvDiag_FetFlt1Data_OP_GET	1	✔
Rte_Call_Sa_MtrDrvDiag_FetFlt2Clk_OP_SET	1	Rte_Call_Sa_MtrDrvDiag_FetFlt2Clk_OP_SET	1	✔
GateDrvWaitTime	1	GateDrvWaitTime	1	✔
Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32	1	Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32	1	✔
Rte_Call_Sa_MtrDrvDiag_SystemTime_DtrmnElapsedTime_uS_u16	1	Rte_Call_Sa_MtrDrvDiag_SystemTime_DtrmnElapsedTime_uS_u16	1	✔
Rte_Call_Sa_MtrDrvDiag_FetFlt2Clk_OP_SET	1	Rte_Call_Sa_MtrDrvDiag_FetFlt2Clk_OP_SET	1	✔
GateDrvWaitTime	1	GateDrvWaitTime	1	✔
Rte_Call_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	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	✔

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 2.6 (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	
StatusPtr_Cnt_T_b16	tgt_StatusPtr_Cnt_T_b16	
tgt_Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32_Curr	0	
tgt_StatusPtr_Cnt_T_b16	0	

Name	**Actual Value**	**Expected Value**	**Result**
ReadMtrDrvFltData()	0	0	✔
SVDiag_FETFaultPhase_Cnt_M_enum	0	0	✔
SVDiag_FETFaultType_Cnt_M_enum	0	0	✔
tgt_StatusPtr_Cnt_T_b16	1024	1024	✔

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Actual Function	Count	Expected 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	1	✔
Rte_Call_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	1	✔
Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32	1	Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32	1	✔
Rte_Call_Sa_MtrDrvDiag_SystemTime_DtrmnElapsedTime_uS_u16	1	Rte_Call_Sa_MtrDrvDiag_SystemTime_DtrmnElapsedTime_uS_u16	1	✔
Rte_Call_Sa_MtrDrvDiag_FetFlt2Clk_OP_SET	1	Rte_Call_Sa_MtrDrvDiag_FetFlt2Clk_OP_SET	1	✔
GateDrvWaitTime	1	GateDrvWaitTime	1	✔
Rte_Call_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	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	✔

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

Test Step 2.7 (Repeat Count = 1)			✔
Name	**Input Value**		
Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32(CurrentTime)	tgt_Rte_Call_Sa_MtrDrvDiag_SystemTime_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	Expected 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	1	✔
Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32	1	Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32	1	✔
Rte_Call_Sa_MtrDrvDiag_SystemTime_DtrmnElapsedTime_uS_u16	1	Rte_Call_Sa_MtrDrvDiag_SystemTime_DtrmnElapsedTime_uS_u16	1	✔
Rte_Call_Sa_MtrDrvDiag_FetFlt1Data_OP_GET	1	Rte_Call_Sa_MtrDrvDiag_FetFlt1Data_OP_GET	1	✔
Rte_Call_Sa_MtrDrvDiag_FetFlt2Clk_OP_SET	1	Rte_Call_Sa_MtrDrvDiag_FetFlt2Clk_OP_SET	1	✔
GateDrvWaitTime	1	GateDrvWaitTime	1	✔
Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32	1	Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32	1	✔
Rte_Call_Sa_MtrDrvDiag_SystemTime_DtrmnElapsedTime_uS_u16	1	Rte_Call_Sa_MtrDrvDiag_SystemTime_DtrmnElapsedTime_uS_u16	1	✔
Rte_Call_Sa_MtrDrvDiag_FetFlt2Clk_OP_SET	1	Rte_Call_Sa_MtrDrvDiag_FetFlt2Clk_OP_SET	1	✔
GateDrvWaitTime	1	GateDrvWaitTime	1	✔
Rte_Call_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	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	✔

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

Test Case 3: Path Test ✔

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

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

Description   Vector Description

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

Test Step 3.1 (Repeat Count = 1) ✔

Name	Input Value
Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32(CurrentTime)	tgt_Rte_Call_Sa_MtrDrvDiag_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()	0	0	✔
SVDiag_FETFaultPhase_Cnt_M_enum	0	0	✔
SVDiag_FETFaultType_Cnt_M_enum	0	0	✔
tgt_StatusPtr_Cnt_T_b16	1024	1024	✔

T ✔

Actual Function	Count	Expected 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	1	✔
Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32	1	Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32	1	✔
Rte_Call_Sa_MtrDrvDiag_SystemTime_DtrmnElapsedTime_uS_u16	1	Rte_Call_Sa_MtrDrvDiag_SystemTime_DtrmnElapsedTime_uS_u16	1	✔
Rte_Call_Sa_MtrDrvDiag_FetFlt1Data_OP_GET	1	Rte_Call_Sa_MtrDrvDiag_FetFlt1Data_OP_GET	1	✔
Rte_Call_Sa_MtrDrvDiag_FetFlt2Clk_OP_SET	1	Rte_Call_Sa_MtrDrvDiag_FetFlt2Clk_OP_SET	1	✔
GateDrvWaitTime	1	GateDrvWaitTime	1	✔
Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32	1	Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32	1	✔
Rte_Call_Sa_MtrDrvDiag_SystemTime_DtrmnElapsedTime_uS_u16	1	Rte_Call_Sa_MtrDrvDiag_SystemTime_DtrmnElapsedTime_uS_u16	1	✔
Rte_Call_Sa_MtrDrvDiag_FetFlt2Clk_OP_SET	1	Rte_Call_Sa_MtrDrvDiag_FetFlt2Clk_OP_SET	1	✔
GateDrvWaitTime	1	GateDrvWaitTime	1	✔
Rte_Call_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	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	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	✔

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 3.2 (Repeat Count = 1)			✔
Name	**Input Value**		
Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32(CurrentTime)	tgt_Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32_Curr		
StatusPtr_Cnt_T_b16	tgt_StatusPtr_Cnt_T_b16		
tgt_Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32_Curr	1000		
tgt_StatusPtr_Cnt_T_b16	65535		
Name	**Actual Value**	**Expected Value**	**Result**
ReadMtrDrvFltData()	6	6	✔
SVDiag_FETFaultPhase_Cnt_M_enum	3	3	✔
SVDiag_FETFaultType_Cnt_M_enum	2	2	✔
tgt_StatusPtr_Cnt_T_b16	1023	1023	✔

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Actual Function	Count	Expected 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	1	✔
Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32	1	Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32	1	✔
Rte_Call_Sa_MtrDrvDiag_SystemTime_DtrmnElapsedTime_uS_u16	1	Rte_Call_Sa_MtrDrvDiag_SystemTime_DtrmnElapsedTime_uS_u16	1	✔
Rte_Call_Sa_MtrDrvDiag_FetFlt1Data_OP_GET	1	Rte_Call_Sa_MtrDrvDiag_FetFlt1Data_OP_GET	1	✔
Rte_Call_Sa_MtrDrvDiag_FetFlt2Clk_OP_SET	1	Rte_Call_Sa_MtrDrvDiag_FetFlt2Clk_OP_SET	1	✔
GateDrvWaitTime	1	GateDrvWaitTime	1	✔
Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32	1	Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32	1	✔
Rte_Call_Sa_MtrDrvDiag_SystemTime_DtrmnElapsedTime_uS_u16	1	Rte_Call_Sa_MtrDrvDiag_SystemTime_DtrmnElapsedTime_uS_u16	1	✔
Rte_Call_Sa_MtrDrvDiag_FetFlt2Clk_OP_SET	1	Rte_Call_Sa_MtrDrvDiag_FetFlt2Clk_OP_SET	1	✔
GateDrvWaitTime	1	GateDrvWaitTime	1	✔
Rte_Call_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	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	Count	✔
Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32	1	Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32	1	✔
Rte_Call_Sa_MtrDrvDiag_SystemTime_DtrmnElapsedTime_uS_u16	1	Rte_Call_Sa_MtrDrvDiag_SystemTime_DtrmnElapsedTime_uS_u16	1	✔

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 3.3 (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		
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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ReadMtrDrvFltData

Actual Function	Count	Expected 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	1	✔
Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32	1	Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32	1	✔
Rte_Call_Sa_MtrDrvDiag_SystemTime_DtrmnElapsedTime_uS_u16	1	Rte_Call_Sa_MtrDrvDiag_SystemTime_DtrmnElapsedTime_uS_u16	1	✔
Rte_Call_Sa_MtrDrvDiag_FetFlt1Data_OP_GET	1	Rte_Call_Sa_MtrDrvDiag_FetFlt1Data_OP_GET	1	✔
Rte_Call_Sa_MtrDrvDiag_FetFlt2Clk_OP_SET	1	Rte_Call_Sa_MtrDrvDiag_FetFlt2Clk_OP_SET	1	✔
GateDrvWaitTime	1	GateDrvWaitTime	1	✔
Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32	1	Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32	1	✔
Rte_Call_Sa_MtrDrvDiag_SystemTime_DtrmnElapsedTime_uS_u16	1	Rte_Call_Sa_MtrDrvDiag_SystemTime_DtrmnElapsedTime_uS_u16	1	✔
Rte_Call_Sa_MtrDrvDiag_FetFlt2Clk_OP_SET	1	Rte_Call_Sa_MtrDrvDiag_FetFlt2Clk_OP_SET	1	✔
GateDrvWaitTime	1	GateDrvWaitTime	1	✔
Rte_Call_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	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	✔

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 3.4 (Repeat Count = 1)			✔
Name	**Input Value**		
Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32(CurrentTime)	tgt_Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32_Curr		
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	✔

T ✔

Actual Function	Count	Expected 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	1	✔
Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32	1	Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32	1	✔
Rte_Call_Sa_MtrDrvDiag_SystemTime_DtrmnElapsedTime_uS_u16	1	Rte_Call_Sa_MtrDrvDiag_SystemTime_DtrmnElapsedTime_uS_u16	1	✔
Rte_Call_Sa_MtrDrvDiag_FetFlt1Data_OP_GET	1	Rte_Call_Sa_MtrDrvDiag_FetFlt1Data_OP_GET	1	✔
Rte_Call_Sa_MtrDrvDiag_FetFlt2Clk_OP_SET	1	Rte_Call_Sa_MtrDrvDiag_FetFlt2Clk_OP_SET	1	✔
GateDrvWaitTime	1	GateDrvWaitTime	1	✔
Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32	1	Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32	1	✔
Rte_Call_Sa_MtrDrvDiag_SystemTime_DtrmnElapsedTime_uS_u16	1	Rte_Call_Sa_MtrDrvDiag_SystemTime_DtrmnElapsedTime_uS_u16	1	✔
Rte_Call_Sa_MtrDrvDiag_FetFlt2Clk_OP_SET	1	Rte_Call_Sa_MtrDrvDiag_FetFlt2Clk_OP_SET	1	✔
GateDrvWaitTime	1	GateDrvWaitTime	1	✔
Rte_Call_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	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	Count	✔
Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32	1	Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32	1	✔
Rte_Call_Sa_MtrDrvDiag_SystemTime_DtrmnElapsedTime_uS_u16	1	Rte_Call_Sa_MtrDrvDiag_SystemTime_DtrmnElapsedTime_uS_u16	1	✔

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 3.5 (Repeat Count = 1)		✔
Name	**Input Value**	
Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32(CurrentTime)	tgt_Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32_Curr	
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	✔

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Actual Function	Count	Expected 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	1	✔
Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32	1	Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32	1	✔
Rte_Call_Sa_MtrDrvDiag_SystemTime_DtrmnElapsedTime_uS_u16	1	Rte_Call_Sa_MtrDrvDiag_SystemTime_DtrmnElapsedTime_uS_u16	1	✔
Rte_Call_Sa_MtrDrvDiag_FetFlt1Data_OP_GET	1	Rte_Call_Sa_MtrDrvDiag_FetFlt1Data_OP_GET	1	✔
Rte_Call_Sa_MtrDrvDiag_FetFlt2Clk_OP_SET	1	Rte_Call_Sa_MtrDrvDiag_FetFlt2Clk_OP_SET	1	✔
GateDrvWaitTime	1	GateDrvWaitTime	1	✔
Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32	1	Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32	1	✔
Rte_Call_Sa_MtrDrvDiag_SystemTime_DtrmnElapsedTime_uS_u16	1	Rte_Call_Sa_MtrDrvDiag_SystemTime_DtrmnElapsedTime_uS_u16	1	✔
Rte_Call_Sa_MtrDrvDiag_FetFlt2Clk_OP_SET	1	Rte_Call_Sa_MtrDrvDiag_FetFlt2Clk_OP_SET	1	✔
GateDrvWaitTime	1	GateDrvWaitTime	1	✔
Rte_Call_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	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	✔

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	✔

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/Specification	
Name	**Text**

Module 'MtrDrvDiag'

```
*****************************************UNIT TEST DESCRIPTION*****************************************
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): 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 ""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"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_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)	0	*none*	✔
Rte_Call_Sa_MtrDrvDiag_NxtrDiagMgr_SetNTCStatus(Param_Cnt_T_u08)	0	*none*	✔
Rte_Call_Sa_MtrDrvDiag_NxtrDiagMgr_SetNTCStatus(Status_Cnt_T_enum)	0	*none*	✔
SVDiag_FETFaultPhase_Cnt_M_enum	0	0	✔
SVDiag_FETFaultType_Cnt_M_enum	2	2	✔
tgt_GateDriveFltAccPtr_Cnt_T_u16	1448	1448	✔

T				✔
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	✔
SVDiag_FETFaultPhase_Cnt_M_enum	3	3	✔
SVDiag_FETFaultType_Cnt_M_enum	2	2	✔
tgt_GateDriveFltAccPtr_Cnt_T_u16	366	366	✔

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Actual Function	Count	Expected Function	Count	Result
Rte_Call_Sa_MtrDrvDiag_NxtrDiagMgr_SetNTCStatus	1	Rte_Call_Sa_MtrDrvDiag_NxtrDiagMgr_SetNTCStatus	1	✔
ReadMtrDrvFltData	1	ReadMtrDrvFltData	1	✔
Rte_Call_Sa_MtrDrvDiag_IoHwAbPortConfig_SetFetFlt2ToOutput	1	Rte_Call_Sa_MtrDrvDiag_IoHwAbPortConfig_SetFetFlt2ToOutput	1	✔
Rte_Call_Sa_MtrDrvDiag_FetFlt2Clk_OP_SET	1	Rte_Call_Sa_MtrDrvDiag_FetFlt2Clk_OP_SET	1	✔
GateDrvWaitTime	1	GateDrvWaitTime	1	✔
Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32	1	Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32	1	✔
Rte_Call_Sa_MtrDrvDiag_SystemTime_DtrmnElapsedTime_uS_u16	1	Rte_Call_Sa_MtrDrvDiag_SystemTime_DtrmnElapsedTime_uS_u16	1	✔
Rte_Call_Sa_MtrDrvDiag_FetFlt1Data_OP_GET	1	Rte_Call_Sa_MtrDrvDiag_FetFlt1Data_OP_GET	1	✔
Rte_Call_Sa_MtrDrvDiag_FetFlt2Clk_OP_SET	1	Rte_Call_Sa_MtrDrvDiag_FetFlt2Clk_OP_SET	1	✔
GateDrvWaitTime	1	GateDrvWaitTime	1	✔
Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32	1	Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32	1	✔
Rte_Call_Sa_MtrDrvDiag_SystemTime_DtrmnElapsedTime_uS_u16	1	Rte_Call_Sa_MtrDrvDiag_SystemTime_DtrmnElapsedTime_uS_u16	1	✔
Rte_Call_Sa_MtrDrvDiag_FetFlt2Clk_OP_SET	1	Rte_Call_Sa_MtrDrvDiag_FetFlt2Clk_OP_SET	1	✔
GateDrvWaitTime	1	GateDrvWaitTime	1	✔
Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32	1	Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32	1	✔
Rte_Call_Sa_MtrDrvDiag_SystemTime_DtrmnElapsedTime_uS_u16	1	Rte_Call_Sa_MtrDrvDiag_SystemTime_DtrmnElapsedTime_uS_u16	1	✔
Rte_Call_Sa_MtrDrvDiag_FetFlt1Data_OP_GET	1	Rte_Call_Sa_MtrDrvDiag_FetFlt1Data_OP_GET	1	✔
Rte_Call_Sa_MtrDrvDiag_FetFlt2Clk_OP_SET	1	Rte_Call_Sa_MtrDrvDiag_FetFlt2Clk_OP_SET	1	✔
GateDrvWaitTime	1	GateDrvWaitTime	1	✔
Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32	1	Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32	1	✔
Rte_Call_Sa_MtrDrvDiag_SystemTime_DtrmnElapsedTime_uS_u16	1	Rte_Call_Sa_MtrDrvDiag_SystemTime_DtrmnElapsedTime_uS_u16	1	✔
Rte_Call_Sa_MtrDrvDiag_FetFlt2Clk_OP_SET	1	Rte_Call_Sa_MtrDrvDiag_FetFlt2Clk_OP_SET	1	✔
GateDrvWaitTime	1	GateDrvWaitTime	1	✔
Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32	1	Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32	1	✔
Rte_Call_Sa_MtrDrvDiag_SystemTime_DtrmnElapsedTime_uS_u16	253	Rte_Call_Sa_MtrDrvDiag_SystemTime_DtrmnElapsedTime_uS_u16	253	✔
Rte_Call_Sa_MtrDrvDiag_FetFlt1Data_OP_GET	1	Rte_Call_Sa_MtrDrvDiag_FetFlt1Data_OP_GET	1	✔
Rte_Call_Sa_MtrDrvDiag_FetFlt2Clk_OP_SET	1	Rte_Call_Sa_MtrDrvDiag_FetFlt2Clk_OP_SET	1	✔
GateDrvWaitTime	1	GateDrvWaitTime	1	✔
Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32	1	Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32	1	✔
Rte_Call_Sa_MtrDrvDiag_SystemTime_DtrmnElapsedTime_uS_u16	1	Rte_Call_Sa_MtrDrvDiag_SystemTime_DtrmnElapsedTime_uS_u16	1	✔
Rte_Call_Sa_MtrDrvDiag_FetFlt2Clk_OP_SET	1	Rte_Call_Sa_MtrDrvDiag_FetFlt2Clk_OP_SET	1	✔
GateDrvWaitTime	1	GateDrvWaitTime	1	✔
Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32	1	Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32	1	✔
Rte_Call_Sa_MtrDrvDiag_SystemTime_DtrmnElapsedTime_uS_u16	1	Rte_Call_Sa_MtrDrvDiag_SystemTime_DtrmnElapsedTime_uS_u16	1	✔
Rte_Call_Sa_MtrDrvDiag_FetFlt1Data_OP_GET	1	Rte_Call_Sa_MtrDrvDiag_FetFlt1Data_OP_GET	1	✔
Rte_Call_Sa_MtrDrvDiag_FetFlt2Clk_OP_SET	1	Rte_Call_Sa_MtrDrvDiag_FetFlt2Clk_OP_SET	1	✔
GateDrvWaitTime	1	GateDrvWaitTime	1	✔
Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32	1	Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32	1	✔
Rte_Call_Sa_MtrDrvDiag_SystemTime_DtrmnElapsedTime_uS_u16	1	Rte_Call_Sa_MtrDrvDiag_SystemTime_DtrmnElapsedTime_uS_u16	1	✔
Rte_Call_Sa_MtrDrvDiag_FetFlt2Clk_OP_SET	1	Rte_Call_Sa_MtrDrvDiag_FetFlt2Clk_OP_SET	1	✔
GateDrvWaitTime	1	GateDrvWaitTime	1	✔
Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32	1	Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32	1	✔
Rte_Call_Sa_MtrDrvDiag_SystemTime_DtrmnElapsedTime_uS_u16	253	Rte_Call_Sa_MtrDrvDiag_SystemTime_DtrmnElapsedTime_uS_u16	253	✔
Rte_Call_Sa_MtrDrvDiag_FetFlt1Data_OP_GET	1	Rte_Call_Sa_MtrDrvDiag_FetFlt1Data_OP_GET	1	✔
Rte_Call_Sa_MtrDrvDiag_FetFlt2Clk_OP_SET	1	Rte_Call_Sa_MtrDrvDiag_FetFlt2Clk_OP_SET	1	✔
GateDrvWaitTime	1	GateDrvWaitTime	1	✔
Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32	1	Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32	1	✔
Rte_Call_Sa_MtrDrvDiag_SystemTime_DtrmnElapsedTime_uS_u16	1	Rte_Call_Sa_MtrDrvDiag_SystemTime_DtrmnElapsedTime_uS_u16	1	✔
Rte_Call_Sa_MtrDrvDiag_FetFlt2Clk_OP_SET	1	Rte_Call_Sa_MtrDrvDiag_FetFlt2Clk_OP_SET	1	✔
GateDrvWaitTime	1	GateDrvWaitTime	1	✔
Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32	1	Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32	1	✔
Rte_Call_Sa_MtrDrvDiag_SystemTime_DtrmnElapsedTime_uS_u16	1	Rte_Call_Sa_MtrDrvDiag_SystemTime_DtrmnElapsedTime_uS_u16	1	✔
Rte_Call_Sa_MtrDrvDiag_FetFlt1Data_OP_GET	1	Rte_Call_Sa_MtrDrvDiag_FetFlt1Data_OP_GET	1	✔
Rte_Call_Sa_MtrDrvDiag_FetFlt2Clk_OP_SET	1	Rte_Call_Sa_MtrDrvDiag_FetFlt2Clk_OP_SET	1	✔
GateDrvWaitTime	1	GateDrvWaitTime	1	✔
Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32	1	Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32	1	✔
Rte_Call_Sa_MtrDrvDiag_SystemTime_DtrmnElapsedTime_uS_u16	1	Rte_Call_Sa_MtrDrvDiag_SystemTime_DtrmnElapsedTime_uS_u16	1	✔
Rte_Call_Sa_MtrDrvDiag_FetFlt2Clk_OP_SET	1	Rte_Call_Sa_MtrDrvDiag_FetFlt2Clk_OP_SET	1	✔
GateDrvWaitTime	1	GateDrvWaitTime	1	✔
Rte_Call_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	Count	✔
Rte_Call_Sa_MtrDrvDiag_FetFlt2Clk_OP_SET	1	Rte_Call_Sa_MtrDrvDiag_FetFlt2Clk_OP_SET	1	✔
GateDrvWaitTime	1	GateDrvWaitTime	1	✔

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

Test Case 2: Boundary Test ✓

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

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

Description   Vector Description

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

Test Step 2.1 (Repeat Count = 1) ✓

Name	Input Value
FF2Set_Cnt_T_lgc	0
GateDriveFltAccPtr_Cnt_T_u16	tgt_GateDriveFltAccPtr_Cnt_T_u16
Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32(CurrentTime)	tgt_Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32_Curr
SVDiag_FETFaultPhase_Cnt_M_enum	0
SVDiag_FETFaultType_Cnt_M_enum	0
k_GateDriveDiag_Cnt_str.Threshold	134
k_GateDriveDiag_Cnt_str.PStep	5632
tgt_GateDriveFltAccPtr_Cnt_T_u16	563
tgt_Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32_Curr	5000

Name	Actual Value	Expected Value	Result
Rte_Call_Sa_MtrDrvDiag_NxtrDiagMgr_SetNTCStatus(NTC_Cnt_T_enum)	77	77	✓
Rte_Call_Sa_MtrDrvDiag_NxtrDiagMgr_SetNTCStatus(Param_Cnt_T_u08)	1	1	✓
Rte_Call_Sa_MtrDrvDiag_NxtrDiagMgr_SetNTCStatus(Status_Cnt_T_enum)	1	1	✓
SVDiag_FETFaultPhase_Cnt_M_enum	0	0	✓
SVDiag_FETFaultType_Cnt_M_enum	0	0	✓
tgt_GateDriveFltAccPtr_Cnt_T_u16	134	134	✓

T				✔
Actual Function	**Count**	**Expected Function**	**Count**	**Result**
Rte_Call_Sa_MtrDrvDiag_NxtrDiagMgr_SetNTCStatus	1	Rte_Call_Sa_MtrDrvDiag_NxtrDiagMgr_SetNTCStatus	1	✔

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

T ✔

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_IoHwAbPortConfig_SetFetFlt2ToOutput	1	Rte_Call_Sa_MtrDrvDiag_IoHwAbPortConfig_SetFetFlt2ToOutput	1	✔
Rte_Call_Sa_MtrDrvDiag_FetFlt2Clk_OP_SET	1	Rte_Call_Sa_MtrDrvDiag_FetFlt2Clk_OP_SET	1	✔
GateDrvWaitTime	1	GateDrvWaitTime	1	✔
Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32	1	Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32	1	✔
Rte_Call_Sa_MtrDrvDiag_SystemTime_DtrmnElapsedTime_uS_u16	1	Rte_Call_Sa_MtrDrvDiag_SystemTime_DtrmnElapsedTime_uS_u16	1	✔
Rte_Call_Sa_MtrDrvDiag_FetFlt1Data_OP_GET	1	Rte_Call_Sa_MtrDrvDiag_FetFlt1Data_OP_GET	1	✔
Rte_Call_Sa_MtrDrvDiag_FetFlt2Clk_OP_SET	1	Rte_Call_Sa_MtrDrvDiag_FetFlt2Clk_OP_SET	1	✔
GateDrvWaitTime	1	GateDrvWaitTime	1	✔
Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32	1	Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32	1	✔
Rte_Call_Sa_MtrDrvDiag_SystemTime_DtrmnElapsedTime_uS_u16	1	Rte_Call_Sa_MtrDrvDiag_SystemTime_DtrmnElapsedTime_uS_u16	1	✔
Rte_Call_Sa_MtrDrvDiag_FetFlt2Clk_OP_SET	1	Rte_Call_Sa_MtrDrvDiag_FetFlt2Clk_OP_SET	1	✔
GateDrvWaitTime	1	GateDrvWaitTime	1	✔
Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32	1	Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32	1	✔
Rte_Call_Sa_MtrDrvDiag_SystemTime_DtrmnElapsedTime_uS_u16	1	Rte_Call_Sa_MtrDrvDiag_SystemTime_DtrmnElapsedTime_uS_u16	1	✔
Rte_Call_Sa_MtrDrvDiag_FetFlt1Data_OP_GET	1	Rte_Call_Sa_MtrDrvDiag_FetFlt1Data_OP_GET	1	✔
Rte_Call_Sa_MtrDrvDiag_FetFlt2Clk_OP_SET	1	Rte_Call_Sa_MtrDrvDiag_FetFlt2Clk_OP_SET	1	✔
GateDrvWaitTime	1	GateDrvWaitTime	1	✔
Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32	1	Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32	1	✔
Rte_Call_Sa_MtrDrvDiag_SystemTime_DtrmnElapsedTime_uS_u16	1	Rte_Call_Sa_MtrDrvDiag_SystemTime_DtrmnElapsedTime_uS_u16	1	✔
Rte_Call_Sa_MtrDrvDiag_FetFlt2Clk_OP_SET	1	Rte_Call_Sa_MtrDrvDiag_FetFlt2Clk_OP_SET	1	✔
GateDrvWaitTime	1	GateDrvWaitTime	1	✔
Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32	1	Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32	1	✔
Rte_Call_Sa_MtrDrvDiag_SystemTime_DtrmnElapsedTime_uS_u16	253	Rte_Call_Sa_MtrDrvDiag_SystemTime_DtrmnElapsedTime_uS_u16	253	✔
Rte_Call_Sa_MtrDrvDiag_FetFlt1Data_OP_GET	1	Rte_Call_Sa_MtrDrvDiag_FetFlt1Data_OP_GET	1	✔
Rte_Call_Sa_MtrDrvDiag_FetFlt2Clk_OP_SET	1	Rte_Call_Sa_MtrDrvDiag_FetFlt2Clk_OP_SET	1	✔
GateDrvWaitTime	1	GateDrvWaitTime	1	✔
Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32	1	Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32	1	✔
Rte_Call_Sa_MtrDrvDiag_SystemTime_DtrmnElapsedTime_uS_u16	1	Rte_Call_Sa_MtrDrvDiag_SystemTime_DtrmnElapsedTime_uS_u16	1	✔
Rte_Call_Sa_MtrDrvDiag_FetFlt2Clk_OP_SET	1	Rte_Call_Sa_MtrDrvDiag_FetFlt2Clk_OP_SET	1	✔
GateDrvWaitTime	1	GateDrvWaitTime	1	✔
Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32	1	Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32	1	✔
Rte_Call_Sa_MtrDrvDiag_SystemTime_DtrmnElapsedTime_uS_u16	1	Rte_Call_Sa_MtrDrvDiag_SystemTime_DtrmnElapsedTime_uS_u16	1	✔
Rte_Call_Sa_MtrDrvDiag_FetFlt1Data_OP_GET	1	Rte_Call_Sa_MtrDrvDiag_FetFlt1Data_OP_GET	1	✔
Rte_Call_Sa_MtrDrvDiag_FetFlt2Clk_OP_SET	1	Rte_Call_Sa_MtrDrvDiag_FetFlt2Clk_OP_SET	1	✔
GateDrvWaitTime	1	GateDrvWaitTime	1	✔
Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32	1	Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32	1	✔
Rte_Call_Sa_MtrDrvDiag_SystemTime_DtrmnElapsedTime_uS_u16	1	Rte_Call_Sa_MtrDrvDiag_SystemTime_DtrmnElapsedTime_uS_u16	1	✔
Rte_Call_Sa_MtrDrvDiag_FetFlt2Clk_OP_SET	1	Rte_Call_Sa_MtrDrvDiag_FetFlt2Clk_OP_SET	1	✔
GateDrvWaitTime	1	GateDrvWaitTime	1	✔
Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32	1	Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32	1	✔
Rte_Call_Sa_MtrDrvDiag_SystemTime_DtrmnElapsedTime_uS_u16	253	Rte_Call_Sa_MtrDrvDiag_SystemTime_DtrmnElapsedTime_uS_u16	253	✔
Rte_Call_Sa_MtrDrvDiag_FetFlt1Data_OP_GET	1	Rte_Call_Sa_MtrDrvDiag_FetFlt1Data_OP_GET	1	✔
Rte_Call_Sa_MtrDrvDiag_FetFlt2Clk_OP_SET	1	Rte_Call_Sa_MtrDrvDiag_FetFlt2Clk_OP_SET	1	✔
GateDrvWaitTime	1	GateDrvWaitTime	1	✔
Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32	1	Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32	1	✔
Rte_Call_Sa_MtrDrvDiag_SystemTime_DtrmnElapsedTime_uS_u16	1	Rte_Call_Sa_MtrDrvDiag_SystemTime_DtrmnElapsedTime_uS_u16	1	✔
Rte_Call_Sa_MtrDrvDiag_FetFlt2Clk_OP_SET	1	Rte_Call_Sa_MtrDrvDiag_FetFlt2Clk_OP_SET	1	✔
GateDrvWaitTime	1	GateDrvWaitTime	1	✔
Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32	1	Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32	1	✔
Rte_Call_Sa_MtrDrvDiag_SystemTime_DtrmnElapsedTime_uS_u16	1	Rte_Call_Sa_MtrDrvDiag_SystemTime_DtrmnElapsedTime_uS_u16	1	✔
Rte_Call_Sa_MtrDrvDiag_FetFlt1Data_OP_GET	1	Rte_Call_Sa_MtrDrvDiag_FetFlt1Data_OP_GET	1	✔
Rte_Call_Sa_MtrDrvDiag_FetFlt2Clk_OP_SET	1	Rte_Call_Sa_MtrDrvDiag_FetFlt2Clk_OP_SET	1	✔
GateDrvWaitTime	1	GateDrvWaitTime	1	✔
Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32	1	Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32	1	✔
Rte_Call_Sa_MtrDrvDiag_SystemTime_DtrmnElapsedTime_uS_u16	1	Rte_Call_Sa_MtrDrvDiag_SystemTime_DtrmnElapsedTime_uS_u16	1	✔
Rte_Call_Sa_MtrDrvDiag_FetFlt2Clk_OP_SET	1	Rte_Call_Sa_MtrDrvDiag_FetFlt2Clk_OP_SET	1	✔
GateDrvWaitTime	1	GateDrvWaitTime	1	✔
Rte_Call_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	Count	✔
Rte_Call_Sa_MtrDrvDiag_FetFlt2Clk_OP_SET	1	Rte_Call_Sa_MtrDrvDiag_FetFlt2Clk_OP_SET	1	✔
GateDrvWaitTime	1	GateDrvWaitTime	1	✔

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

Test Step 2.3 (Repeat Count = 1) ✔

Name	Input Value
FF2Set_Cnt_T_lgc	0
GateDriveFltAccPtr_Cnt_T_u16	tgt_GateDriveFltAccPtr_Cnt_T_u16
Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32(CurrentTime)	tgt_Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32_Curr
SVDiag_FETFaultPhase_Cnt_M_enum	2
SVDiag_FETFaultType_Cnt_M_enum	2
k_GateDriveDiag_Cnt_str.Threshold	854
k_GateDriveDiag_Cnt_str.PStep	900
tgt_GateDriveFltAccPtr_Cnt_T_u16	0
tgt_Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32_Curr	2000

Name	Actual Value	Expected Value	Result
Rte_Call_Sa_MtrDrvDiag_NxtrDiagMgr_SetNTCStatus(NTC_Cnt_T_enum)	77	77	✔
Rte_Call_Sa_MtrDrvDiag_NxtrDiagMgr_SetNTCStatus(Param_Cnt_T_u08)	1	1	✔
Rte_Call_Sa_MtrDrvDiag_NxtrDiagMgr_SetNTCStatus(Status_Cnt_T_enum)	1	1	✔
SVDiag_FETFaultPhase_Cnt_M_enum	2	2	✔
SVDiag_FETFaultType_Cnt_M_enum	2	2	✔
tgt_GateDriveFltAccPtr_Cnt_T_u16	854	854	✔

T				✔
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_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	0
k_GateDriveDiag_Cnt_str.Threshold	713
k_GateDriveDiag_Cnt_str.PStep	44
tgt_GateDriveFltAccPtr_Cnt_T_u16	65535
tgt_Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32_Curr	0

Name	Actual Value	Expected Value	Result
Rte_Call_Sa_MtrDrvDiag_NxtrDiagMgr_SetNTCStatus(NTC_Cnt_T_enum)	77	77	✔
Rte_Call_Sa_MtrDrvDiag_NxtrDiagMgr_SetNTCStatus(Param_Cnt_T_u08)	4	4	✔
Rte_Call_Sa_MtrDrvDiag_NxtrDiagMgr_SetNTCStatus(Status_Cnt_T_enum)	1	1	✔
SVDiag_FETFaultPhase_Cnt_M_enum	0	0	✔
SVDiag_FETFaultType_Cnt_M_enum	0	0	✔
tgt_GateDriveFltAccPtr_Cnt_T_u16	713	713	✔

T ✔

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_IoHwAbPortConfig_SetFetFlt2ToOutput	1	Rte_Call_Sa_MtrDrvDiag_IoHwAbPortConfig_SetFetFlt2ToOutput	1	✔
Rte_Call_Sa_MtrDrvDiag_FetFlt2Clk_OP_SET	1	Rte_Call_Sa_MtrDrvDiag_FetFlt2Clk_OP_SET	1	✔
GateDrvWaitTime	1	GateDrvWaitTime	1	✔
Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32	1	Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32	1	✔
Rte_Call_Sa_MtrDrvDiag_SystemTime_DtrmnElapsedTime_uS_u16	1	Rte_Call_Sa_MtrDrvDiag_SystemTime_DtrmnElapsedTime_uS_u16	1	✔
Rte_Call_Sa_MtrDrvDiag_FetFlt1Data_OP_GET	1	Rte_Call_Sa_MtrDrvDiag_FetFlt1Data_OP_GET	1	✔
Rte_Call_Sa_MtrDrvDiag_FetFlt2Clk_OP_SET	1	Rte_Call_Sa_MtrDrvDiag_FetFlt2Clk_OP_SET	1	✔
GateDrvWaitTime	1	GateDrvWaitTime	1	✔
Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32	1	Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32	1	✔
Rte_Call_Sa_MtrDrvDiag_SystemTime_DtrmnElapsedTime_uS_u16	1	Rte_Call_Sa_MtrDrvDiag_SystemTime_DtrmnElapsedTime_uS_u16	1	✔
Rte_Call_Sa_MtrDrvDiag_FetFlt2Clk_OP_SET	1	Rte_Call_Sa_MtrDrvDiag_FetFlt2Clk_OP_SET	1	✔
GateDrvWaitTime	1	GateDrvWaitTime	1	✔
Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32	1	Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32	1	✔
Rte_Call_Sa_MtrDrvDiag_SystemTime_DtrmnElapsedTime_uS_u16	1	Rte_Call_Sa_MtrDrvDiag_SystemTime_DtrmnElapsedTime_uS_u16	1	✔
Rte_Call_Sa_MtrDrvDiag_FetFlt1Data_OP_GET	1	Rte_Call_Sa_MtrDrvDiag_FetFlt1Data_OP_GET	1	✔
Rte_Call_Sa_MtrDrvDiag_FetFlt2Clk_OP_SET	1	Rte_Call_Sa_MtrDrvDiag_FetFlt2Clk_OP_SET	1	✔
GateDrvWaitTime	1	GateDrvWaitTime	1	✔
Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32	1	Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32	1	✔
Rte_Call_Sa_MtrDrvDiag_SystemTime_DtrmnElapsedTime_uS_u16	1	Rte_Call_Sa_MtrDrvDiag_SystemTime_DtrmnElapsedTime_uS_u16	1	✔
Rte_Call_Sa_MtrDrvDiag_FetFlt2Clk_OP_SET	1	Rte_Call_Sa_MtrDrvDiag_FetFlt2Clk_OP_SET	1	✔
GateDrvWaitTime	1	GateDrvWaitTime	1	✔
Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32	1	Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32	1	✔
Rte_Call_Sa_MtrDrvDiag_SystemTime_DtrmnElapsedTime_uS_u16	253	Rte_Call_Sa_MtrDrvDiag_SystemTime_DtrmnElapsedTime_uS_u16	253	✔
Rte_Call_Sa_MtrDrvDiag_FetFlt1Data_OP_GET	1	Rte_Call_Sa_MtrDrvDiag_FetFlt1Data_OP_GET	1	✔
Rte_Call_Sa_MtrDrvDiag_FetFlt2Clk_OP_SET	1	Rte_Call_Sa_MtrDrvDiag_FetFlt2Clk_OP_SET	1	✔
GateDrvWaitTime	1	GateDrvWaitTime	1	✔
Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32	1	Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32	1	✔
Rte_Call_Sa_MtrDrvDiag_SystemTime_DtrmnElapsedTime_uS_u16	1	Rte_Call_Sa_MtrDrvDiag_SystemTime_DtrmnElapsedTime_uS_u16	1	✔
Rte_Call_Sa_MtrDrvDiag_FetFlt2Clk_OP_SET	1	Rte_Call_Sa_MtrDrvDiag_FetFlt2Clk_OP_SET	1	✔
GateDrvWaitTime	1	GateDrvWaitTime	1	✔
Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32	1	Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32	1	✔
Rte_Call_Sa_MtrDrvDiag_SystemTime_DtrmnElapsedTime_uS_u16	1	Rte_Call_Sa_MtrDrvDiag_SystemTime_DtrmnElapsedTime_uS_u16	1	✔
Rte_Call_Sa_MtrDrvDiag_FetFlt1Data_OP_GET	1	Rte_Call_Sa_MtrDrvDiag_FetFlt1Data_OP_GET	1	✔
Rte_Call_Sa_MtrDrvDiag_FetFlt2Clk_OP_SET	1	Rte_Call_Sa_MtrDrvDiag_FetFlt2Clk_OP_SET	1	✔
GateDrvWaitTime	1	GateDrvWaitTime	1	✔
Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32	1	Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32	1	✔
Rte_Call_Sa_MtrDrvDiag_SystemTime_DtrmnElapsedTime_uS_u16	1	Rte_Call_Sa_MtrDrvDiag_SystemTime_DtrmnElapsedTime_uS_u16	1	✔
Rte_Call_Sa_MtrDrvDiag_FetFlt2Clk_OP_SET	1	Rte_Call_Sa_MtrDrvDiag_FetFlt2Clk_OP_SET	1	✔
GateDrvWaitTime	1	GateDrvWaitTime	1	✔
Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32	1	Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32	1	✔
Rte_Call_Sa_MtrDrvDiag_SystemTime_DtrmnElapsedTime_uS_u16	253	Rte_Call_Sa_MtrDrvDiag_SystemTime_DtrmnElapsedTime_uS_u16	253	✔
Rte_Call_Sa_MtrDrvDiag_FetFlt1Data_OP_GET	1	Rte_Call_Sa_MtrDrvDiag_FetFlt1Data_OP_GET	1	✔
Rte_Call_Sa_MtrDrvDiag_FetFlt2Clk_OP_SET	1	Rte_Call_Sa_MtrDrvDiag_FetFlt2Clk_OP_SET	1	✔
GateDrvWaitTime	1	GateDrvWaitTime	1	✔
Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32	1	Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32	1	✔
Rte_Call_Sa_MtrDrvDiag_SystemTime_DtrmnElapsedTime_uS_u16	1	Rte_Call_Sa_MtrDrvDiag_SystemTime_DtrmnElapsedTime_uS_u16	1	✔
Rte_Call_Sa_MtrDrvDiag_FetFlt2Clk_OP_SET	1	Rte_Call_Sa_MtrDrvDiag_FetFlt2Clk_OP_SET	1	✔
GateDrvWaitTime	1	GateDrvWaitTime	1	✔
Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32	1	Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32	1	✔
Rte_Call_Sa_MtrDrvDiag_SystemTime_DtrmnElapsedTime_uS_u16	1	Rte_Call_Sa_MtrDrvDiag_SystemTime_DtrmnElapsedTime_uS_u16	1	✔
Rte_Call_Sa_MtrDrvDiag_FetFlt1Data_OP_GET	1	Rte_Call_Sa_MtrDrvDiag_FetFlt1Data_OP_GET	1	✔
Rte_Call_Sa_MtrDrvDiag_FetFlt2Clk_OP_SET	1	Rte_Call_Sa_MtrDrvDiag_FetFlt2Clk_OP_SET	1	✔
GateDrvWaitTime	1	GateDrvWaitTime	1	✔
Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32	1	Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32	1	✔
Rte_Call_Sa_MtrDrvDiag_SystemTime_DtrmnElapsedTime_uS_u16	1	Rte_Call_Sa_MtrDrvDiag_SystemTime_DtrmnElapsedTime_uS_u16	1	✔
Rte_Call_Sa_MtrDrvDiag_FetFlt2Clk_OP_SET	1	Rte_Call_Sa_MtrDrvDiag_FetFlt2Clk_OP_SET	1	✔
GateDrvWaitTime	1	GateDrvWaitTime	1	✔
Rte_Call_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	Count	✔
Rte_Call_Sa_MtrDrvDiag_FetFlt2Clk_OP_SET	1	Rte_Call_Sa_MtrDrvDiag_FetFlt2Clk_OP_SET	1	✔
GateDrvWaitTime	1	GateDrvWaitTime	1	✔

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

Test Step 2.5 (Repeat Count = 1)   ✔

Name	Input Value
FF2Set_Cnt_T_lgc	0
GateDriveFltAccPtr_Cnt_T_u16	tgt_GateDriveFltAccPtr_Cnt_T_u16
Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32(CurrentTime)	tgt_Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32_Curr
SVDiag_FETFaultPhase_Cnt_M_enum	2
SVDiag_FETFaultType_Cnt_M_enum	1
k_GateDriveDiag_Cnt_str.Threshold	624
k_GateDriveDiag_Cnt_str.PStep	2345
tgt_GateDriveFltAccPtr_Cnt_T_u16	1445
tgt_Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32_Curr	4294967295

Name	Actual Value	Expected Value	Result
Rte_Call_Sa_MtrDrvDiag_NxtrDiagMgr_SetNTCStatus(NTC_Cnt_T_enum)	77	77	✔
Rte_Call_Sa_MtrDrvDiag_NxtrDiagMgr_SetNTCStatus(Param_Cnt_T_u08)	1	1	✔
Rte_Call_Sa_MtrDrvDiag_NxtrDiagMgr_SetNTCStatus(Status_Cnt_T_enum)	1	1	✔
SVDiag_FETFaultPhase_Cnt_M_enum	2	2	✔
SVDiag_FETFaultType_Cnt_M_enum	1	1	✔
tgt_GateDriveFltAccPtr_Cnt_T_u16	624	624	✔

T				✔
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	✔
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	✔

T ✔

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_IoHwAbPortConfig_SetFetFlt2ToOutput	1	Rte_Call_Sa_MtrDrvDiag_IoHwAbPortConfig_SetFetFlt2ToOutput	1	✔
Rte_Call_Sa_MtrDrvDiag_FetFlt2Clk_OP_SET	1	Rte_Call_Sa_MtrDrvDiag_FetFlt2Clk_OP_SET	1	✔
GateDrvWaitTime	1	GateDrvWaitTime	1	✔
Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32	1	Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32	1	✔
Rte_Call_Sa_MtrDrvDiag_SystemTime_DtrmnElapsedTime_uS_u16	1	Rte_Call_Sa_MtrDrvDiag_SystemTime_DtrmnElapsedTime_uS_u16	1	✔
Rte_Call_Sa_MtrDrvDiag_FetFlt1Data_OP_GET	1	Rte_Call_Sa_MtrDrvDiag_FetFlt1Data_OP_GET	1	✔
Rte_Call_Sa_MtrDrvDiag_FetFlt2Clk_OP_SET	1	Rte_Call_Sa_MtrDrvDiag_FetFlt2Clk_OP_SET	1	✔
GateDrvWaitTime	1	GateDrvWaitTime	1	✔
Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32	1	Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32	1	✔
Rte_Call_Sa_MtrDrvDiag_SystemTime_DtrmnElapsedTime_uS_u16	1	Rte_Call_Sa_MtrDrvDiag_SystemTime_DtrmnElapsedTime_uS_u16	1	✔
Rte_Call_Sa_MtrDrvDiag_FetFlt2Clk_OP_SET	1	Rte_Call_Sa_MtrDrvDiag_FetFlt2Clk_OP_SET	1	✔
GateDrvWaitTime	1	GateDrvWaitTime	1	✔
Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32	1	Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32	1	✔
Rte_Call_Sa_MtrDrvDiag_SystemTime_DtrmnElapsedTime_uS_u16	1	Rte_Call_Sa_MtrDrvDiag_SystemTime_DtrmnElapsedTime_uS_u16	1	✔
Rte_Call_Sa_MtrDrvDiag_FetFlt1Data_OP_GET	1	Rte_Call_Sa_MtrDrvDiag_FetFlt1Data_OP_GET	1	✔
Rte_Call_Sa_MtrDrvDiag_FetFlt2Clk_OP_SET	1	Rte_Call_Sa_MtrDrvDiag_FetFlt2Clk_OP_SET	1	✔
GateDrvWaitTime	1	GateDrvWaitTime	1	✔
Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32	1	Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32	1	✔
Rte_Call_Sa_MtrDrvDiag_SystemTime_DtrmnElapsedTime_uS_u16	1	Rte_Call_Sa_MtrDrvDiag_SystemTime_DtrmnElapsedTime_uS_u16	1	✔
Rte_Call_Sa_MtrDrvDiag_FetFlt2Clk_OP_SET	1	Rte_Call_Sa_MtrDrvDiag_FetFlt2Clk_OP_SET	1	✔
GateDrvWaitTime	1	GateDrvWaitTime	1	✔
Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32	1	Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32	1	✔
Rte_Call_Sa_MtrDrvDiag_SystemTime_DtrmnElapsedTime_uS_u16	253	Rte_Call_Sa_MtrDrvDiag_SystemTime_DtrmnElapsedTime_uS_u16	253	✔
Rte_Call_Sa_MtrDrvDiag_FetFlt1Data_OP_GET	1	Rte_Call_Sa_MtrDrvDiag_FetFlt1Data_OP_GET	1	✔
Rte_Call_Sa_MtrDrvDiag_FetFlt2Clk_OP_SET	1	Rte_Call_Sa_MtrDrvDiag_FetFlt2Clk_OP_SET	1	✔
GateDrvWaitTime	1	GateDrvWaitTime	1	✔
Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32	1	Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32	1	✔
Rte_Call_Sa_MtrDrvDiag_SystemTime_DtrmnElapsedTime_uS_u16	1	Rte_Call_Sa_MtrDrvDiag_SystemTime_DtrmnElapsedTime_uS_u16	1	✔
Rte_Call_Sa_MtrDrvDiag_FetFlt2Clk_OP_SET	1	Rte_Call_Sa_MtrDrvDiag_FetFlt2Clk_OP_SET	1	✔
GateDrvWaitTime	1	GateDrvWaitTime	1	✔
Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32	1	Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32	1	✔
Rte_Call_Sa_MtrDrvDiag_SystemTime_DtrmnElapsedTime_uS_u16	1	Rte_Call_Sa_MtrDrvDiag_SystemTime_DtrmnElapsedTime_uS_u16	1	✔
Rte_Call_Sa_MtrDrvDiag_FetFlt1Data_OP_GET	1	Rte_Call_Sa_MtrDrvDiag_FetFlt1Data_OP_GET	1	✔
Rte_Call_Sa_MtrDrvDiag_FetFlt2Clk_OP_SET	1	Rte_Call_Sa_MtrDrvDiag_FetFlt2Clk_OP_SET	1	✔
GateDrvWaitTime	1	GateDrvWaitTime	1	✔
Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32	1	Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32	1	✔
Rte_Call_Sa_MtrDrvDiag_SystemTime_DtrmnElapsedTime_uS_u16	1	Rte_Call_Sa_MtrDrvDiag_SystemTime_DtrmnElapsedTime_uS_u16	1	✔
Rte_Call_Sa_MtrDrvDiag_FetFlt2Clk_OP_SET	1	Rte_Call_Sa_MtrDrvDiag_FetFlt2Clk_OP_SET	1	✔
GateDrvWaitTime	1	GateDrvWaitTime	1	✔
Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32	1	Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32	1	✔
Rte_Call_Sa_MtrDrvDiag_SystemTime_DtrmnElapsedTime_uS_u16	253	Rte_Call_Sa_MtrDrvDiag_SystemTime_DtrmnElapsedTime_uS_u16	253	✔
Rte_Call_Sa_MtrDrvDiag_FetFlt1Data_OP_GET	1	Rte_Call_Sa_MtrDrvDiag_FetFlt1Data_OP_GET	1	✔
Rte_Call_Sa_MtrDrvDiag_FetFlt2Clk_OP_SET	1	Rte_Call_Sa_MtrDrvDiag_FetFlt2Clk_OP_SET	1	✔
GateDrvWaitTime	1	GateDrvWaitTime	1	✔
Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32	1	Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32	1	✔
Rte_Call_Sa_MtrDrvDiag_SystemTime_DtrmnElapsedTime_uS_u16	1	Rte_Call_Sa_MtrDrvDiag_SystemTime_DtrmnElapsedTime_uS_u16	1	✔
Rte_Call_Sa_MtrDrvDiag_FetFlt2Clk_OP_SET	1	Rte_Call_Sa_MtrDrvDiag_FetFlt2Clk_OP_SET	1	✔
GateDrvWaitTime	1	GateDrvWaitTime	1	✔
Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32	1	Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32	1	✔
Rte_Call_Sa_MtrDrvDiag_SystemTime_DtrmnElapsedTime_uS_u16	1	Rte_Call_Sa_MtrDrvDiag_SystemTime_DtrmnElapsedTime_uS_u16	1	✔
Rte_Call_Sa_MtrDrvDiag_FetFlt1Data_OP_GET	1	Rte_Call_Sa_MtrDrvDiag_FetFlt1Data_OP_GET	1	✔
Rte_Call_Sa_MtrDrvDiag_FetFlt2Clk_OP_SET	1	Rte_Call_Sa_MtrDrvDiag_FetFlt2Clk_OP_SET	1	✔
GateDrvWaitTime	1	GateDrvWaitTime	1	✔
Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32	1	Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32	1	✔
Rte_Call_Sa_MtrDrvDiag_SystemTime_DtrmnElapsedTime_uS_u16	1	Rte_Call_Sa_MtrDrvDiag_SystemTime_DtrmnElapsedTime_uS_u16	1	✔
Rte_Call_Sa_MtrDrvDiag_FetFlt2Clk_OP_SET	1	Rte_Call_Sa_MtrDrvDiag_FetFlt2Clk_OP_SET	1	✔
GateDrvWaitTime	1	GateDrvWaitTime	1	✔
Rte_Call_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	Count	✔
Rte_Call_Sa_MtrDrvDiag_FetFlt2Clk_OP_SET	1	Rte_Call_Sa_MtrDrvDiag_FetFlt2Clk_OP_SET	1	✔
GateDrvWaitTime	1	GateDrvWaitTime	1	✔

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

Test Step 2.7 (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*	✔
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	✔

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

Test Step 2.8 (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	1
k_GateDriveDiag_Cnt_str.Threshold	3426
k_GateDriveDiag_Cnt_str.PStep	733
tgt_GateDriveFltAccPtr_Cnt_T_u16	366
tgt_Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32_Curr	4000

Name	Actual Value	Expected Value	Result
Rte_Call_Sa_MtrDrvDiag_NxtrDiagMgr_SetNTCStatus(NTC_Cnt_T_enum)	77	*none*	✔
Rte_Call_Sa_MtrDrvDiag_NxtrDiagMgr_SetNTCStatus(Param_Cnt_T_u08)	4	*none*	✔
Rte_Call_Sa_MtrDrvDiag_NxtrDiagMgr_SetNTCStatus(Status_Cnt_T_enum)	1	*none*	✔
SVDiag_FETFaultPhase_Cnt_M_enum	2	2	✔
SVDiag_FETFaultType_Cnt_M_enum	1	1	✔
tgt_GateDriveFltAccPtr_Cnt_T_u16	1099	1099	✔

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

Test Step 2.9 (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	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**	**Result**
none	0	*** No Call Expected ***	0	✔

Test Step 2.10 (Repeat Count = 1)		✔
Name	**Input Value**	
FF2Set_Cnt_T_lgc	1	
GateDriveFltAccPtr_Cnt_T_u16	tgt_GateDriveFltAccPtr_Cnt_T_u16	
Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32(CurrentTime)	tgt_Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32_Curr	
SVDiag_FETFaultPhase_Cnt_M_enum	1	
SVDiag_FETFaultType_Cnt_M_enum	0	
k_GateDriveDiag_Cnt_str.Threshold	123	
k_GateDriveDiag_Cnt_str.PStep	65535	
tgt_GateDriveFltAccPtr_Cnt_T_u16	713	
tgt_Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32_Curr	50000	

Name	**Actual Value**	**Expected Value**	**Result**
Rte_Call_Sa_MtrDrvDiag_NxtrDiagMgr_SetNTCStatus(NTC_Cnt_T_enum)	77	77	✔
Rte_Call_Sa_MtrDrvDiag_NxtrDiagMgr_SetNTCStatus(Param_Cnt_T_u08)	4	4	✔
Rte_Call_Sa_MtrDrvDiag_NxtrDiagMgr_SetNTCStatus(Status_Cnt_T_enum)	1	1	✔
SVDiag_FETFaultPhase_Cnt_M_enum	1	1	✔
SVDiag_FETFaultType_Cnt_M_enum	1	1	✔
tgt_GateDriveFltAccPtr_Cnt_T_u16	123	123	✔

T ✔

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_IoHwAbPortConfig_SetFetFlt2ToOutput	1	Rte_Call_Sa_MtrDrvDiag_IoHwAbPortConfig_SetFetFlt2ToOutput	1	✔
Rte_Call_Sa_MtrDrvDiag_FetFlt2Clk_OP_SET	1	Rte_Call_Sa_MtrDrvDiag_FetFlt2Clk_OP_SET	1	✔
GateDrvWaitTime	1	GateDrvWaitTime	1	✔
Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32	1	Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32	1	✔
Rte_Call_Sa_MtrDrvDiag_SystemTime_DtrmnElapsedTime_uS_u16	1	Rte_Call_Sa_MtrDrvDiag_SystemTime_DtrmnElapsedTime_uS_u16	1	✔
Rte_Call_Sa_MtrDrvDiag_FetFlt1Data_OP_GET	1	Rte_Call_Sa_MtrDrvDiag_FetFlt1Data_OP_GET	1	✔
Rte_Call_Sa_MtrDrvDiag_FetFlt2Clk_OP_SET	1	Rte_Call_Sa_MtrDrvDiag_FetFlt2Clk_OP_SET	1	✔
GateDrvWaitTime	1	GateDrvWaitTime	1	✔
Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32	1	Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32	1	✔
Rte_Call_Sa_MtrDrvDiag_SystemTime_DtrmnElapsedTime_uS_u16	1	Rte_Call_Sa_MtrDrvDiag_SystemTime_DtrmnElapsedTime_uS_u16	1	✔
Rte_Call_Sa_MtrDrvDiag_FetFlt2Clk_OP_SET	1	Rte_Call_Sa_MtrDrvDiag_FetFlt2Clk_OP_SET	1	✔
GateDrvWaitTime	1	GateDrvWaitTime	1	✔
Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32	1	Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32	1	✔
Rte_Call_Sa_MtrDrvDiag_SystemTime_DtrmnElapsedTime_uS_u16	1	Rte_Call_Sa_MtrDrvDiag_SystemTime_DtrmnElapsedTime_uS_u16	1	✔
Rte_Call_Sa_MtrDrvDiag_FetFlt1Data_OP_GET	1	Rte_Call_Sa_MtrDrvDiag_FetFlt1Data_OP_GET	1	✔
Rte_Call_Sa_MtrDrvDiag_FetFlt2Clk_OP_SET	1	Rte_Call_Sa_MtrDrvDiag_FetFlt2Clk_OP_SET	1	✔
GateDrvWaitTime	1	GateDrvWaitTime	1	✔
Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32	1	Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32	1	✔
Rte_Call_Sa_MtrDrvDiag_SystemTime_DtrmnElapsedTime_uS_u16	1	Rte_Call_Sa_MtrDrvDiag_SystemTime_DtrmnElapsedTime_uS_u16	1	✔
Rte_Call_Sa_MtrDrvDiag_FetFlt2Clk_OP_SET	1	Rte_Call_Sa_MtrDrvDiag_FetFlt2Clk_OP_SET	1	✔
GateDrvWaitTime	1	GateDrvWaitTime	1	✔
Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32	1	Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32	1	✔
Rte_Call_Sa_MtrDrvDiag_SystemTime_DtrmnElapsedTime_uS_u16	253	Rte_Call_Sa_MtrDrvDiag_SystemTime_DtrmnElapsedTime_uS_u16	253	✔
Rte_Call_Sa_MtrDrvDiag_FetFlt1Data_OP_GET	1	Rte_Call_Sa_MtrDrvDiag_FetFlt1Data_OP_GET	1	✔
Rte_Call_Sa_MtrDrvDiag_FetFlt2Clk_OP_SET	1	Rte_Call_Sa_MtrDrvDiag_FetFlt2Clk_OP_SET	1	✔
GateDrvWaitTime	1	GateDrvWaitTime	1	✔
Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32	1	Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32	1	✔
Rte_Call_Sa_MtrDrvDiag_SystemTime_DtrmnElapsedTime_uS_u16	1	Rte_Call_Sa_MtrDrvDiag_SystemTime_DtrmnElapsedTime_uS_u16	1	✔
Rte_Call_Sa_MtrDrvDiag_FetFlt2Clk_OP_SET	1	Rte_Call_Sa_MtrDrvDiag_FetFlt2Clk_OP_SET	1	✔
GateDrvWaitTime	1	GateDrvWaitTime	1	✔
Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32	1	Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32	1	✔
Rte_Call_Sa_MtrDrvDiag_SystemTime_DtrmnElapsedTime_uS_u16	1	Rte_Call_Sa_MtrDrvDiag_SystemTime_DtrmnElapsedTime_uS_u16	1	✔
Rte_Call_Sa_MtrDrvDiag_FetFlt1Data_OP_GET	1	Rte_Call_Sa_MtrDrvDiag_FetFlt1Data_OP_GET	1	✔
Rte_Call_Sa_MtrDrvDiag_FetFlt2Clk_OP_SET	1	Rte_Call_Sa_MtrDrvDiag_FetFlt2Clk_OP_SET	1	✔
GateDrvWaitTime	1	GateDrvWaitTime	1	✔
Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32	1	Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32	1	✔
Rte_Call_Sa_MtrDrvDiag_SystemTime_DtrmnElapsedTime_uS_u16	1	Rte_Call_Sa_MtrDrvDiag_SystemTime_DtrmnElapsedTime_uS_u16	1	✔
Rte_Call_Sa_MtrDrvDiag_FetFlt2Clk_OP_SET	1	Rte_Call_Sa_MtrDrvDiag_FetFlt2Clk_OP_SET	1	✔
GateDrvWaitTime	1	GateDrvWaitTime	1	✔
Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32	1	Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32	1	✔
Rte_Call_Sa_MtrDrvDiag_SystemTime_DtrmnElapsedTime_uS_u16	253	Rte_Call_Sa_MtrDrvDiag_SystemTime_DtrmnElapsedTime_uS_u16	253	✔
Rte_Call_Sa_MtrDrvDiag_FetFlt1Data_OP_GET	1	Rte_Call_Sa_MtrDrvDiag_FetFlt1Data_OP_GET	1	✔
Rte_Call_Sa_MtrDrvDiag_FetFlt2Clk_OP_SET	1	Rte_Call_Sa_MtrDrvDiag_FetFlt2Clk_OP_SET	1	✔
GateDrvWaitTime	1	GateDrvWaitTime	1	✔
Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32	1	Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32	1	✔
Rte_Call_Sa_MtrDrvDiag_SystemTime_DtrmnElapsedTime_uS_u16	1	Rte_Call_Sa_MtrDrvDiag_SystemTime_DtrmnElapsedTime_uS_u16	1	✔
Rte_Call_Sa_MtrDrvDiag_FetFlt2Clk_OP_SET	1	Rte_Call_Sa_MtrDrvDiag_FetFlt2Clk_OP_SET	1	✔
GateDrvWaitTime	1	GateDrvWaitTime	1	✔
Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32	1	Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32	1	✔
Rte_Call_Sa_MtrDrvDiag_SystemTime_DtrmnElapsedTime_uS_u16	1	Rte_Call_Sa_MtrDrvDiag_SystemTime_DtrmnElapsedTime_uS_u16	1	✔
Rte_Call_Sa_MtrDrvDiag_FetFlt1Data_OP_GET	1	Rte_Call_Sa_MtrDrvDiag_FetFlt1Data_OP_GET	1	✔
Rte_Call_Sa_MtrDrvDiag_FetFlt2Clk_OP_SET	1	Rte_Call_Sa_MtrDrvDiag_FetFlt2Clk_OP_SET	1	✔
GateDrvWaitTime	1	GateDrvWaitTime	1	✔
Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32	1	Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32	1	✔
Rte_Call_Sa_MtrDrvDiag_SystemTime_DtrmnElapsedTime_uS_u16	1	Rte_Call_Sa_MtrDrvDiag_SystemTime_DtrmnElapsedTime_uS_u16	1	✔
Rte_Call_Sa_MtrDrvDiag_FetFlt2Clk_OP_SET	1	Rte_Call_Sa_MtrDrvDiag_FetFlt2Clk_OP_SET	1	✔
GateDrvWaitTime	1	GateDrvWaitTime	1	✔
Rte_Call_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	Count	✔
Rte_Call_Sa_MtrDrvDiag_FetFlt2Clk_OP_SET	1	Rte_Call_Sa_MtrDrvDiag_FetFlt2Clk_OP_SET	1	✔
GateDrvWaitTime	1	GateDrvWaitTime	1	✔

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

Test Step 2.11 (Repeat Count = 1)   ✔

Name	Input Value		
FF2Set_Cnt_T_lgc	1		
GateDriveFltAccPtr_Cnt_T_u16	tgt_GateDriveFltAccPtr_Cnt_T_u16		
Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32(CurrentTime)	tgt_Rte_Call_Sa_MtrDrvDiag_SystemTime_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	✔

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

Test Step 2.12 (Repeat Count = 1)   ✔

Name	Input Value		
FF2Set_Cnt_T_lgc	0		
GateDriveFltAccPtr_Cnt_T_u16	tgt_GateDriveFltAccPtr_Cnt_T_u16		
Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32(CurrentTime)	tgt_Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32_Curr		
SVDiag_FETFaultPhase_Cnt_M_enum	0		
SVDiag_FETFaultType_Cnt_M_enum	0		
k_GateDriveDiag_Cnt_str.Threshold	0		
k_GateDriveDiag_Cnt_str.PStep	0		
tgt_GateDriveFltAccPtr_Cnt_T_u16	0		
tgt_Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32_Curr	0		
Name	**Actual Value**	**Expected Value**	**Result**
Rte_Call_Sa_MtrDrvDiag_NxtrDiagMgr_SetNTCStatus(NTC_Cnt_T_enum)	77	77	✔
Rte_Call_Sa_MtrDrvDiag_NxtrDiagMgr_SetNTCStatus(Param_Cnt_T_u08)	1	1	✔
Rte_Call_Sa_MtrDrvDiag_NxtrDiagMgr_SetNTCStatus(Status_Cnt_T_enum)	1	1	✔
SVDiag_FETFaultPhase_Cnt_M_enum	0	0	✔
SVDiag_FETFaultType_Cnt_M_enum	0	0	✔
tgt_GateDriveFltAccPtr_Cnt_T_u16	0	0	✔

T				✔
Actual Function	**Count**	**Expected Function**	**Count**	**Result**
Rte_Call_Sa_MtrDrvDiag_NxtrDiagMgr_SetNTCStatus	1	Rte_Call_Sa_MtrDrvDiag_NxtrDiagMgr_SetNTCStatus	1	✔

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

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Actual Function	Count	Expected Function	Count	Result
Rte_Call_Sa_MtrDrvDiag_NxtrDiagMgr_SetNTCStatus	1	Rte_Call_Sa_MtrDrvDiag_NxtrDiagMgr_SetNTCStatus	1	✔
ReadMtrDrvFltData	1	ReadMtrDrvFltData	1	✔
Rte_Call_Sa_MtrDrvDiag_IoHwAbPortConfig_SetFetFlt2ToOutput	1	Rte_Call_Sa_MtrDrvDiag_IoHwAbPortConfig_SetFetFlt2ToOutput	1	✔
Rte_Call_Sa_MtrDrvDiag_FetFlt2Clk_OP_SET	1	Rte_Call_Sa_MtrDrvDiag_FetFlt2Clk_OP_SET	1	✔
GateDrvWaitTime	1	GateDrvWaitTime	1	✔
Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32	1	Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32	1	✔
Rte_Call_Sa_MtrDrvDiag_SystemTime_DtrmnElapsedTime_uS_u16	1	Rte_Call_Sa_MtrDrvDiag_SystemTime_DtrmnElapsedTime_uS_u16	1	✔
Rte_Call_Sa_MtrDrvDiag_FetFlt1Data_OP_GET	1	Rte_Call_Sa_MtrDrvDiag_FetFlt1Data_OP_GET	1	✔
Rte_Call_Sa_MtrDrvDiag_FetFlt2Clk_OP_SET	1	Rte_Call_Sa_MtrDrvDiag_FetFlt2Clk_OP_SET	1	✔
GateDrvWaitTime	1	GateDrvWaitTime	1	✔
Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32	1	Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32	1	✔
Rte_Call_Sa_MtrDrvDiag_SystemTime_DtrmnElapsedTime_uS_u16	1	Rte_Call_Sa_MtrDrvDiag_SystemTime_DtrmnElapsedTime_uS_u16	1	✔
Rte_Call_Sa_MtrDrvDiag_FetFlt2Clk_OP_SET	1	Rte_Call_Sa_MtrDrvDiag_FetFlt2Clk_OP_SET	1	✔
GateDrvWaitTime	1	GateDrvWaitTime	1	✔
Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32	1	Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32	1	✔
Rte_Call_Sa_MtrDrvDiag_SystemTime_DtrmnElapsedTime_uS_u16	1	Rte_Call_Sa_MtrDrvDiag_SystemTime_DtrmnElapsedTime_uS_u16	1	✔
Rte_Call_Sa_MtrDrvDiag_FetFlt1Data_OP_GET	1	Rte_Call_Sa_MtrDrvDiag_FetFlt1Data_OP_GET	1	✔
Rte_Call_Sa_MtrDrvDiag_FetFlt2Clk_OP_SET	1	Rte_Call_Sa_MtrDrvDiag_FetFlt2Clk_OP_SET	1	✔
GateDrvWaitTime	1	GateDrvWaitTime	1	✔
Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32	1	Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32	1	✔
Rte_Call_Sa_MtrDrvDiag_SystemTime_DtrmnElapsedTime_uS_u16	1	Rte_Call_Sa_MtrDrvDiag_SystemTime_DtrmnElapsedTime_uS_u16	1	✔
Rte_Call_Sa_MtrDrvDiag_FetFlt2Clk_OP_SET	1	Rte_Call_Sa_MtrDrvDiag_FetFlt2Clk_OP_SET	1	✔
GateDrvWaitTime	1	GateDrvWaitTime	1	✔
Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32	1	Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32	1	✔
Rte_Call_Sa_MtrDrvDiag_SystemTime_DtrmnElapsedTime_uS_u16	253	Rte_Call_Sa_MtrDrvDiag_SystemTime_DtrmnElapsedTime_uS_u16	253	✔
Rte_Call_Sa_MtrDrvDiag_FetFlt1Data_OP_GET	1	Rte_Call_Sa_MtrDrvDiag_FetFlt1Data_OP_GET	1	✔
Rte_Call_Sa_MtrDrvDiag_FetFlt2Clk_OP_SET	1	Rte_Call_Sa_MtrDrvDiag_FetFlt2Clk_OP_SET	1	✔
GateDrvWaitTime	1	GateDrvWaitTime	1	✔
Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32	1	Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32	1	✔
Rte_Call_Sa_MtrDrvDiag_SystemTime_DtrmnElapsedTime_uS_u16	1	Rte_Call_Sa_MtrDrvDiag_SystemTime_DtrmnElapsedTime_uS_u16	1	✔
Rte_Call_Sa_MtrDrvDiag_FetFlt2Clk_OP_SET	1	Rte_Call_Sa_MtrDrvDiag_FetFlt2Clk_OP_SET	1	✔
GateDrvWaitTime	1	GateDrvWaitTime	1	✔
Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32	1	Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32	1	✔
Rte_Call_Sa_MtrDrvDiag_SystemTime_DtrmnElapsedTime_uS_u16	1	Rte_Call_Sa_MtrDrvDiag_SystemTime_DtrmnElapsedTime_uS_u16	1	✔
Rte_Call_Sa_MtrDrvDiag_FetFlt1Data_OP_GET	1	Rte_Call_Sa_MtrDrvDiag_FetFlt1Data_OP_GET	1	✔
Rte_Call_Sa_MtrDrvDiag_FetFlt2Clk_OP_SET	1	Rte_Call_Sa_MtrDrvDiag_FetFlt2Clk_OP_SET	1	✔
GateDrvWaitTime	1	GateDrvWaitTime	1	✔
Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32	1	Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32	1	✔
Rte_Call_Sa_MtrDrvDiag_SystemTime_DtrmnElapsedTime_uS_u16	1	Rte_Call_Sa_MtrDrvDiag_SystemTime_DtrmnElapsedTime_uS_u16	1	✔
Rte_Call_Sa_MtrDrvDiag_FetFlt2Clk_OP_SET	1	Rte_Call_Sa_MtrDrvDiag_FetFlt2Clk_OP_SET	1	✔
GateDrvWaitTime	1	GateDrvWaitTime	1	✔
Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32	1	Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32	1	✔
Rte_Call_Sa_MtrDrvDiag_SystemTime_DtrmnElapsedTime_uS_u16	253	Rte_Call_Sa_MtrDrvDiag_SystemTime_DtrmnElapsedTime_uS_u16	253	✔
Rte_Call_Sa_MtrDrvDiag_FetFlt1Data_OP_GET	1	Rte_Call_Sa_MtrDrvDiag_FetFlt1Data_OP_GET	1	✔
Rte_Call_Sa_MtrDrvDiag_FetFlt2Clk_OP_SET	1	Rte_Call_Sa_MtrDrvDiag_FetFlt2Clk_OP_SET	1	✔
GateDrvWaitTime	1	GateDrvWaitTime	1	✔
Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32	1	Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32	1	✔
Rte_Call_Sa_MtrDrvDiag_SystemTime_DtrmnElapsedTime_uS_u16	1	Rte_Call_Sa_MtrDrvDiag_SystemTime_DtrmnElapsedTime_uS_u16	1	✔
Rte_Call_Sa_MtrDrvDiag_FetFlt2Clk_OP_SET	1	Rte_Call_Sa_MtrDrvDiag_FetFlt2Clk_OP_SET	1	✔
GateDrvWaitTime	1	GateDrvWaitTime	1	✔
Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32	1	Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32	1	✔
Rte_Call_Sa_MtrDrvDiag_SystemTime_DtrmnElapsedTime_uS_u16	1	Rte_Call_Sa_MtrDrvDiag_SystemTime_DtrmnElapsedTime_uS_u16	1	✔
Rte_Call_Sa_MtrDrvDiag_FetFlt1Data_OP_GET	1	Rte_Call_Sa_MtrDrvDiag_FetFlt1Data_OP_GET	1	✔
Rte_Call_Sa_MtrDrvDiag_FetFlt2Clk_OP_SET	1	Rte_Call_Sa_MtrDrvDiag_FetFlt2Clk_OP_SET	1	✔
GateDrvWaitTime	1	GateDrvWaitTime	1	✔
Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32	1	Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32	1	✔
Rte_Call_Sa_MtrDrvDiag_SystemTime_DtrmnElapsedTime_uS_u16	1	Rte_Call_Sa_MtrDrvDiag_SystemTime_DtrmnElapsedTime_uS_u16	1	✔
Rte_Call_Sa_MtrDrvDiag_FetFlt2Clk_OP_SET	1	Rte_Call_Sa_MtrDrvDiag_FetFlt2Clk_OP_SET	1	✔
GateDrvWaitTime	1	GateDrvWaitTime	1	✔
Rte_Call_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	Count	✔
Rte_Call_Sa_MtrDrvDiag_FetFlt2Clk_OP_SET	1	Rte_Call_Sa_MtrDrvDiag_FetFlt2Clk_OP_SET	1	✔
GateDrvWaitTime	1	GateDrvWaitTime	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**	

Name	Input Value
SVDiag_FETFaultType_Cnt_M_enum	1
k_GateDriveDiag_Cnt_str.Threshold	366
k_GateDriveDiag_Cnt_str.PStep	123
tgt_GateDriveFltAccPtr_Cnt_T_u16	419
tgt_Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32_Curr	1000

Name	Actual Value	Expected Value	Result
Rte_Call_Sa_MtrDrvDiag_NxtrDiagMgr_SetNTCStatus(NTC_Cnt_T_enum)	77	77	✔
Rte_Call_Sa_MtrDrvDiag_NxtrDiagMgr_SetNTCStatus(Param_Cnt_T_u08)	4	4	✔
Rte_Call_Sa_MtrDrvDiag_NxtrDiagMgr_SetNTCStatus(Status_Cnt_T_enum)	1	1	✔
SVDiag_FETFaultPhase_Cnt_M_enum	1	1	✔
SVDiag_FETFaultType_Cnt_M_enum	1	1	✔
tgt_GateDriveFltAccPtr_Cnt_T_u16	366	366	✔

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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_IoHwAbPortConfig_SetFetFlt2ToOutput	1	Rte_Call_Sa_MtrDrvDiag_IoHwAbPortConfig_SetFetFlt2ToOutput	1	✔
Rte_Call_Sa_MtrDrvDiag_FetFlt2Clk_OP_SET	1	Rte_Call_Sa_MtrDrvDiag_FetFlt2Clk_OP_SET	1	✔
GateDrvWaitTime	1	GateDrvWaitTime	1	✔
Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32	1	Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32	1	✔
Rte_Call_Sa_MtrDrvDiag_SystemTime_DtrmnElapsedTime_uS_u16	1	Rte_Call_Sa_MtrDrvDiag_SystemTime_DtrmnElapsedTime_uS_u16	1	✔
Rte_Call_Sa_MtrDrvDiag_FetFlt1Data_OP_GET	1	Rte_Call_Sa_MtrDrvDiag_FetFlt1Data_OP_GET	1	✔
Rte_Call_Sa_MtrDrvDiag_FetFlt2Clk_OP_SET	1	Rte_Call_Sa_MtrDrvDiag_FetFlt2Clk_OP_SET	1	✔
GateDrvWaitTime	1	GateDrvWaitTime	1	✔
Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32	1	Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32	1	✔
Rte_Call_Sa_MtrDrvDiag_SystemTime_DtrmnElapsedTime_uS_u16	1	Rte_Call_Sa_MtrDrvDiag_SystemTime_DtrmnElapsedTime_uS_u16	1	✔
Rte_Call_Sa_MtrDrvDiag_FetFlt2Clk_OP_SET	1	Rte_Call_Sa_MtrDrvDiag_FetFlt2Clk_OP_SET	1	✔
GateDrvWaitTime	1	GateDrvWaitTime	1	✔
Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32	1	Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32	1	✔
Rte_Call_Sa_MtrDrvDiag_SystemTime_DtrmnElapsedTime_uS_u16	1	Rte_Call_Sa_MtrDrvDiag_SystemTime_DtrmnElapsedTime_uS_u16	1	✔
Rte_Call_Sa_MtrDrvDiag_FetFlt1Data_OP_GET	1	Rte_Call_Sa_MtrDrvDiag_FetFlt1Data_OP_GET	1	✔
Rte_Call_Sa_MtrDrvDiag_FetFlt2Clk_OP_SET	1	Rte_Call_Sa_MtrDrvDiag_FetFlt2Clk_OP_SET	1	✔
GateDrvWaitTime	1	GateDrvWaitTime	1	✔
Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32	1	Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32	1	✔
Rte_Call_Sa_MtrDrvDiag_SystemTime_DtrmnElapsedTime_uS_u16	1	Rte_Call_Sa_MtrDrvDiag_SystemTime_DtrmnElapsedTime_uS_u16	1	✔
Rte_Call_Sa_MtrDrvDiag_FetFlt2Clk_OP_SET	1	Rte_Call_Sa_MtrDrvDiag_FetFlt2Clk_OP_SET	1	✔
GateDrvWaitTime	1	GateDrvWaitTime	1	✔
Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32	1	Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32	1	✔
Rte_Call_Sa_MtrDrvDiag_SystemTime_DtrmnElapsedTime_uS_u16	253	Rte_Call_Sa_MtrDrvDiag_SystemTime_DtrmnElapsedTime_uS_u16	253	✔
Rte_Call_Sa_MtrDrvDiag_FetFlt1Data_OP_GET	1	Rte_Call_Sa_MtrDrvDiag_FetFlt1Data_OP_GET	1	✔
Rte_Call_Sa_MtrDrvDiag_FetFlt2Clk_OP_SET	1	Rte_Call_Sa_MtrDrvDiag_FetFlt2Clk_OP_SET	1	✔
GateDrvWaitTime	1	GateDrvWaitTime	1	✔
Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32	1	Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32	1	✔
Rte_Call_Sa_MtrDrvDiag_SystemTime_DtrmnElapsedTime_uS_u16	1	Rte_Call_Sa_MtrDrvDiag_SystemTime_DtrmnElapsedTime_uS_u16	1	✔
Rte_Call_Sa_MtrDrvDiag_FetFlt2Clk_OP_SET	1	Rte_Call_Sa_MtrDrvDiag_FetFlt2Clk_OP_SET	1	✔
GateDrvWaitTime	1	GateDrvWaitTime	1	✔
Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32	1	Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32	1	✔
Rte_Call_Sa_MtrDrvDiag_SystemTime_DtrmnElapsedTime_uS_u16	1	Rte_Call_Sa_MtrDrvDiag_SystemTime_DtrmnElapsedTime_uS_u16	1	✔
Rte_Call_Sa_MtrDrvDiag_FetFlt1Data_OP_GET	1	Rte_Call_Sa_MtrDrvDiag_FetFlt1Data_OP_GET	1	✔
Rte_Call_Sa_MtrDrvDiag_FetFlt2Clk_OP_SET	1	Rte_Call_Sa_MtrDrvDiag_FetFlt2Clk_OP_SET	1	✔
GateDrvWaitTime	1	GateDrvWaitTime	1	✔
Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32	1	Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32	1	✔
Rte_Call_Sa_MtrDrvDiag_SystemTime_DtrmnElapsedTime_uS_u16	1	Rte_Call_Sa_MtrDrvDiag_SystemTime_DtrmnElapsedTime_uS_u16	1	✔
Rte_Call_Sa_MtrDrvDiag_FetFlt2Clk_OP_SET	1	Rte_Call_Sa_MtrDrvDiag_FetFlt2Clk_OP_SET	1	✔
GateDrvWaitTime	1	GateDrvWaitTime	1	✔
Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32	1	Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32	1	✔
Rte_Call_Sa_MtrDrvDiag_SystemTime_DtrmnElapsedTime_uS_u16	253	Rte_Call_Sa_MtrDrvDiag_SystemTime_DtrmnElapsedTime_uS_u16	253	✔
Rte_Call_Sa_MtrDrvDiag_FetFlt1Data_OP_GET	1	Rte_Call_Sa_MtrDrvDiag_FetFlt1Data_OP_GET	1	✔
Rte_Call_Sa_MtrDrvDiag_FetFlt2Clk_OP_SET	1	Rte_Call_Sa_MtrDrvDiag_FetFlt2Clk_OP_SET	1	✔
GateDrvWaitTime	1	GateDrvWaitTime	1	✔
Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32	1	Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32	1	✔
Rte_Call_Sa_MtrDrvDiag_SystemTime_DtrmnElapsedTime_uS_u16	1	Rte_Call_Sa_MtrDrvDiag_SystemTime_DtrmnElapsedTime_uS_u16	1	✔
Rte_Call_Sa_MtrDrvDiag_FetFlt2Clk_OP_SET	1	Rte_Call_Sa_MtrDrvDiag_FetFlt2Clk_OP_SET	1	✔
GateDrvWaitTime	1	GateDrvWaitTime	1	✔
Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32	1	Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32	1	✔
Rte_Call_Sa_MtrDrvDiag_SystemTime_DtrmnElapsedTime_uS_u16	1	Rte_Call_Sa_MtrDrvDiag_SystemTime_DtrmnElapsedTime_uS_u16	1	✔
Rte_Call_Sa_MtrDrvDiag_FetFlt1Data_OP_GET	1	Rte_Call_Sa_MtrDrvDiag_FetFlt1Data_OP_GET	1	✔
Rte_Call_Sa_MtrDrvDiag_FetFlt2Clk_OP_SET	1	Rte_Call_Sa_MtrDrvDiag_FetFlt2Clk_OP_SET	1	✔
GateDrvWaitTime	1	GateDrvWaitTime	1	✔
Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32	1	Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32	1	✔
Rte_Call_Sa_MtrDrvDiag_SystemTime_DtrmnElapsedTime_uS_u16	1	Rte_Call_Sa_MtrDrvDiag_SystemTime_DtrmnElapsedTime_uS_u16	1	✔
Rte_Call_Sa_MtrDrvDiag_FetFlt2Clk_OP_SET	1	Rte_Call_Sa_MtrDrvDiag_FetFlt2Clk_OP_SET	1	✔
GateDrvWaitTime	1	GateDrvWaitTime	1	✔
Rte_Call_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	Count	✔
Rte_Call_Sa_MtrDrvDiag_FetFlt2Clk_OP_SET	1	Rte_Call_Sa_MtrDrvDiag_FetFlt2Clk_OP_SET	1	✔
GateDrvWaitTime	1	GateDrvWaitTime	1	✔

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

Test Step 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_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*	✔
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	✔

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

Project	MtrDrvDiag
Module	MtrDrvDiag
Test Object	MtrDrvDiag_Per1

Instrumentation: Test Object Only

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

Statistics

Total Testcases	3
Successful	3 ✔
Failed	0
Not Executed	0

Module Properties

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

Comments/Description/Specification	
Name	**Text**

Module 'MtrDrvDiag'

```
*****************************************UNIT TEST DESCRIPTION*****************************************
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): 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 ""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:
(TRUE == MtrDrvInitComp_Cnt_T_lgc)=False &&
(TRUE == MtrDrvrInitStart_Cnt_T_lgc)=False "
TS1.2"Longest Execution Path:
(TRUE == MtrDrvInitComp_Cnt_T_lgc)=True &&
(TRUE == SVDiag_ResetWaitLoop_Cnt_M_lgc)=False && ((FALSE == FF1Set_Cnt_T_lgc) && (FALSE == FF2Set_Cnt_T_lgc))=True &&
((GateDriveFltAcc_Cnt_T_u16)>(k_GateDriveDiag_Cnt_str.Nstep))=True &&
((OnStateFltAcc_Cnt_T_u16)>(k_OnStateDiag_Cnt_str.Nstep)=False"

Test Step 1.1 (Repeat Count = 1) ✔

Name	Input Value
Rte_Call_Sa_MtrDrvDiag_FetFlt2Clk_OP_GET(signal)	target_Rte_Call_Sa_MtrDrvDiag_FetFlt2Clk_OP_GET_signal
Rte_Call_Sa_MtrDrvDiag_NxtrDiagMgr_GetNTCFailed(NTCFailed_Ptr_T_lgc)	target_Rte_Call_Sa_MtrDrvDiag_NxtrDiagMgr_GetNTCFailed_NTCFailed_Ptr_T_lgc
Rte_Call_Sa_MtrDrvDiag_SystemTime_DtrmnElapsedTime_mS_u16(ElapsedTime)	target_Rte_Call_Sa_MtrDrvDiag_SystemTime_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)	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) ✔

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	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(	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_Cnt_enum
target_Rte_Inst_Sa_MtrDrvDiag.MtrDrvDiag_Per1_FETFaultType_Cnt_enum	target_MtrDrvDiag_Per1_FETFaultType_Cnt_enum
target_Rte_Inst_Sa_MtrDrvDiag.MtrDrvDiag_Per1_GateDriveResetActive_Cnt_lgc	target_MtrDrvDiag_Per1_GateDriveResetActive_Cnt_lgc
target_Rte_Inst_Sa_MtrDrvDiag.MtrDrvDiag_Per1_MtrDrvrInitComplete_Cnt_lgc	target_MtrDrvDiag_Per1_MtrDrvrInitComplete_Cnt_lgc
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	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_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	Count	Expected Function	Count	Result
Rte_Call_MtrDrvDiag_Per1_CP0_CheckpointReached	1	Rte_Call_MtrDrvDiag_Per1_CP0_CheckpointReached	1	✔
Rte_Call_Sa_MtrDrvDiag_FetFlt1Data_OP_GET	1	Rte_Call_Sa_MtrDrvDiag_FetFlt1Data_OP_GET	1	✔
Rte_Call_Sa_MtrDrvDiag_FetFlt2Clk_OP_GET	1	Rte_Call_Sa_MtrDrvDiag_FetFlt2Clk_OP_GET	1	✔
Rte_Call_Sa_MtrDrvDiag_NxtrDiagMgr_SetNTCStatus	1	Rte_Call_Sa_MtrDrvDiag_NxtrDiagMgr_SetNTCStatus	1	✔
ProcGateDriveFlt	1	ProcGateDriveFlt	1	✔
Rte_Call_Sa_MtrDrvDiag_NxtrDiagMgr_SetNTCStatus	1	Rte_Call_Sa_MtrDrvDiag_NxtrDiagMgr_SetNTCStatus	1	✔
ReadMtrDrvFltData	1	ReadMtrDrvFltData	1	✔
Rte_Call_Sa_MtrDrvDiag_IoHwAbPortConfig_SetFetFlt2ToOutput	1	Rte_Call_Sa_MtrDrvDiag_IoHwAbPortConfig_SetFetFlt2ToOutput	1	✔
Rte_Call_Sa_MtrDrvDiag_FetFlt2Clk_OP_SET	1	Rte_Call_Sa_MtrDrvDiag_FetFlt2Clk_OP_SET	1	✔
GateDrvWaitTime	1	GateDrvWaitTime	1	✔
Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32	1	Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32	1	✔
Rte_Call_Sa_MtrDrvDiag_SystemTime_DtrmnElapsedTime_uS_u16	1	Rte_Call_Sa_MtrDrvDiag_SystemTime_DtrmnElapsedTime_uS_u16	1	✔
Rte_Call_Sa_MtrDrvDiag_FetFlt1Data_OP_GET	1	Rte_Call_Sa_MtrDrvDiag_FetFlt1Data_OP_GET	1	✔
Rte_Call_Sa_MtrDrvDiag_FetFlt2Clk_OP_SET	1	Rte_Call_Sa_MtrDrvDiag_FetFlt2Clk_OP_SET	1	✔
GateDrvWaitTime	1	GateDrvWaitTime	1	✔
Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32	1	Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32	1	✔
Rte_Call_Sa_MtrDrvDiag_SystemTime_DtrmnElapsedTime_uS_u16	1	Rte_Call_Sa_MtrDrvDiag_SystemTime_DtrmnElapsedTime_uS_u16	1	✔
Rte_Call_Sa_MtrDrvDiag_FetFlt2Clk_OP_SET	1	Rte_Call_Sa_MtrDrvDiag_FetFlt2Clk_OP_SET	1	✔
GateDrvWaitTime	1	GateDrvWaitTime	1	✔
Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32	1	Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32	1	✔
Rte_Call_Sa_MtrDrvDiag_SystemTime_DtrmnElapsedTime_uS_u16	1	Rte_Call_Sa_MtrDrvDiag_SystemTime_DtrmnElapsedTime_uS_u16	1	✔
Rte_Call_Sa_MtrDrvDiag_FetFlt1Data_OP_GET	1	Rte_Call_Sa_MtrDrvDiag_FetFlt1Data_OP_GET	1	✔
Rte_Call_Sa_MtrDrvDiag_FetFlt2Clk_OP_SET	1	Rte_Call_Sa_MtrDrvDiag_FetFlt2Clk_OP_SET	1	✔
GateDrvWaitTime	1	GateDrvWaitTime	1	✔
Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32	1	Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32	1	✔
Rte_Call_Sa_MtrDrvDiag_SystemTime_DtrmnElapsedTime_uS_u16	1	Rte_Call_Sa_MtrDrvDiag_SystemTime_DtrmnElapsedTime_uS_u16	1	✔
Rte_Call_Sa_MtrDrvDiag_FetFlt2Clk_OP_SET	1	Rte_Call_Sa_MtrDrvDiag_FetFlt2Clk_OP_SET	1	✔
GateDrvWaitTime	1	GateDrvWaitTime	1	✔
Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32	1	Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32	1	✔
Rte_Call_Sa_MtrDrvDiag_SystemTime_DtrmnElapsedTime_uS_u16	1	Rte_Call_Sa_MtrDrvDiag_SystemTime_DtrmnElapsedTime_uS_u16	1	✔
Rte_Call_Sa_MtrDrvDiag_FetFlt1Data_OP_GET	1	Rte_Call_Sa_MtrDrvDiag_FetFlt1Data_OP_GET	1	✔
Rte_Call_Sa_MtrDrvDiag_FetFlt2Clk_OP_SET	1	Rte_Call_Sa_MtrDrvDiag_FetFlt2Clk_OP_SET	1	✔
GateDrvWaitTime	1	GateDrvWaitTime	1	✔
Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32	1	Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32	1	✔
Rte_Call_Sa_MtrDrvDiag_SystemTime_DtrmnElapsedTime_uS_u16	1	Rte_Call_Sa_MtrDrvDiag_SystemTime_DtrmnElapsedTime_uS_u16	1	✔
Rte_Call_Sa_MtrDrvDiag_FetFlt2Clk_OP_SET	1	Rte_Call_Sa_MtrDrvDiag_FetFlt2Clk_OP_SET	1	✔
GateDrvWaitTime	1	GateDrvWaitTime	1	✔
Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32	1	Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32	1	✔
Rte_Call_Sa_MtrDrvDiag_SystemTime_DtrmnElapsedTime_uS_u16	1	Rte_Call_Sa_MtrDrvDiag_SystemTime_DtrmnElapsedTime_uS_u16	1	✔
Rte_Call_Sa_MtrDrvDiag_FetFlt1Data_OP_GET	1	Rte_Call_Sa_MtrDrvDiag_FetFlt1Data_OP_GET	1	✔
Rte_Call_Sa_MtrDrvDiag_FetFlt2Clk_OP_SET	1	Rte_Call_Sa_MtrDrvDiag_FetFlt2Clk_OP_SET	1	✔
GateDrvWaitTime	1	GateDrvWaitTime	1	✔
Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32	1	Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32	1	✔
Rte_Call_Sa_MtrDrvDiag_SystemTime_DtrmnElapsedTime_uS_u16	1	Rte_Call_Sa_MtrDrvDiag_SystemTime_DtrmnElapsedTime_uS_u16	1	✔
Rte_Call_Sa_MtrDrvDiag_FetFlt2Clk_OP_SET	1	Rte_Call_Sa_MtrDrvDiag_FetFlt2Clk_OP_SET	1	✔
GateDrvWaitTime	1	GateDrvWaitTime	1	✔
Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32	1	Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32	1	✔
Rte_Call_Sa_MtrDrvDiag_SystemTime_DtrmnElapsedTime_uS_u16	1	Rte_Call_Sa_MtrDrvDiag_SystemTime_DtrmnElapsedTime_uS_u16	1	✔
Rte_Call_Sa_MtrDrvDiag_FetFlt1Data_OP_GET	1	Rte_Call_Sa_MtrDrvDiag_FetFlt1Data_OP_GET	1	✔
Rte_Call_Sa_MtrDrvDiag_FetFlt2Clk_OP_SET	1	Rte_Call_Sa_MtrDrvDiag_FetFlt2Clk_OP_SET	1	✔
GateDrvWaitTime	1	GateDrvWaitTime	1	✔
Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32	1	Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32	1	✔
Rte_Call_Sa_MtrDrvDiag_SystemTime_DtrmnElapsedTime_uS_u16	1	Rte_Call_Sa_MtrDrvDiag_SystemTime_DtrmnElapsedTime_uS_u16	1	✔
Rte_Call_Sa_MtrDrvDiag_FetFlt2Clk_OP_SET	1	Rte_Call_Sa_MtrDrvDiag_FetFlt2Clk_OP_SET	1	✔
GateDrvWaitTime	1	GateDrvWaitTime	1	✔
Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32	1	Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32	1	✔
Rte_Call_Sa_MtrDrvDiag_SystemTime_DtrmnElapsedTime_uS_u16	1	Rte_Call_Sa_MtrDrvDiag_SystemTime_DtrmnElapsedTime_uS_u16	1	✔
Rte_Call_Sa_MtrDrvDiag_FetFlt1Data_OP_GET	1	Rte_Call_Sa_MtrDrvDiag_FetFlt1Data_OP_GET	1	✔
Rte_Call_Sa_MtrDrvDiag_FetFlt2Clk_OP_SET	1	Rte_Call_Sa_MtrDrvDiag_FetFlt2Clk_OP_SET	1	✔
GateDrvWaitTime	1	GateDrvWaitTime	1	✔
Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32	1	Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32	1	✔
Rte_Call_Sa_MtrDrvDiag_SystemTime_DtrmnElapsedTime_uS_u16	Count	Rte_Call_Sa_MtrDrvDiag_SystemTime_DtrmnElapsedTime_uS_u16	Count	✔
Rte_Call_Sa_MtrDrvDiag_FetFlt2Clk_OP_SET	1	Rte_Call_Sa_MtrDrvDiag_FetFlt2Clk_OP_SET	1	✔
GateDrvWaitTime	1	GateDrvWaitTime	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_FetFlt1Data_OP_GET	1	Rte_Call_Sa_MtrDrvDiag_FetFlt1Data_OP_GET	1	✔
Rte_Call_Sa_MtrDrvDiag_FetFlt2Clk_OP_SET	1	Rte_Call_Sa_MtrDrvDiag_FetFlt2Clk_OP_SET	1	✔
GateDrvWaitTime	1	GateDrvWaitTime	1	✔
Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32	1	Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32	1	✔
Rte_Call_Sa_MtrDrvDiag_SystemTime_DtrmnElapsedTime_uS_u16	1	Rte_Call_Sa_MtrDrvDiag_SystemTime_DtrmnElapsedTime_uS_u16	1	✔
Rte_Call_Sa_MtrDrvDiag_FetFlt2Clk_OP_SET	1	Rte_Call_Sa_MtrDrvDiag_FetFlt2Clk_OP_SET	1	✔
GateDrvWaitTime	1	GateDrvWaitTime	1	✔
Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32	1	Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32	1	✔
Rte_Call_Sa_MtrDrvDiag_SystemTime_DtrmnElapsedTime_uS_u16	1	Rte_Call_Sa_MtrDrvDiag_SystemTime_DtrmnElapsedTime_uS_u16	1	✔
Rte_Call_Sa_MtrDrvDiag_FetFlt1Data_OP_GET	1	Rte_Call_Sa_MtrDrvDiag_FetFlt1Data_OP_GET	1	✔
Rte_Call_Sa_MtrDrvDiag_FetFlt2Clk_OP_SET	1	Rte_Call_Sa_MtrDrvDiag_FetFlt2Clk_OP_SET	1	✔
GateDrvWaitTime	1	GateDrvWaitTime	1	✔
Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32	1	Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32	1	✔
Rte_Call_Sa_MtrDrvDiag_SystemTime_DtrmnElapsedTime_uS_u16	1	Rte_Call_Sa_MtrDrvDiag_SystemTime_DtrmnElapsedTime_uS_u16	1	✔
Rte_Call_Sa_MtrDrvDiag_FetFlt2Clk_OP_SET	1	Rte_Call_Sa_MtrDrvDiag_FetFlt2Clk_OP_SET	1	✔
GateDrvWaitTime	1	GateDrvWaitTime	1	✔
Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32	1	Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32	1	✔
Rte_Call_Sa_MtrDrvDiag_SystemTime_DtrmnElapsedTime_uS_u16	1	Rte_Call_Sa_MtrDrvDiag_SystemTime_DtrmnElapsedTime_uS_u16	1	✔
Rte_Call_Sa_MtrDrvDiag_FetFlt1Data_OP_GET	1	Rte_Call_Sa_MtrDrvDiag_FetFlt1Data_OP_GET	1	✔
Rte_Call_Sa_MtrDrvDiag_FetFlt2Clk_OP_SET	1	Rte_Call_Sa_MtrDrvDiag_FetFlt2Clk_OP_SET	1	✔
GateDrvWaitTime	1	GateDrvWaitTime	1	✔
Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32	1	Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_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 Case 2: Boundary Test ✔

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

```
TC2.1 1123 Cycles
TC2.2 1035 Cycles
TC2.3 1035 Cycles
TC2.4 4281 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
TC2.12 18317 Cycles
TC2.13 18301 Cycles
TC2.14 18298 Cycles
TC2.15 18340 Cycles
TC2.16 18260 Cycles
TC2.17 18348 Cycles
TC2.18 18339 Cycles
TC2.19 18298 Cycles
TC2.20 8846 Cycles
TC2.21 4123 Cycles
TC2.22 18387 Cycles
TC2.23 11511 Cycles
TC2.24 1035 Cycles
TC2.25 4156 Cycles
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Description
Vector Description

TS2.1MtrDrvrInitStart_Cnt_lgc=Min
TS2.2MtrDrvrInitStart_Cnt_lgc=Max
TS2.3SVDiag_MtrDrvInitComp_Cnt_M_lgc=Min
TS2.4SVDiag_MtrDrvInitComp_Cnt_M_lgc=Max
TS2.5SVDiag_GateDriveFltAcc_Cnt_M_u16=Min
TS2.6SVDiag_GateDriveFltAcc_Cnt_M_u16=Max
TS2.7SVDiag_GateDriveFltAcc_Cnt_M_u16=Pos
TS2.8SVDiag_GenGateDriveFltAcc_Cnt_M_u16=Min
TS2.9SVDiag_GenGateDriveFltAcc_Cnt_M_u16=Max
TS2.10SVDiag_GenGateDriveFltAcc_Cnt_M_u16=Pos
TS2.11SVDiag_OnStateFltAcc_Cnt_M_u16=Min
TS2.12SVDiag_OnStateFltAcc_Cnt_M_u16=Max
TS2.13SVDiag_OnStateFltAcc_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=Min
TS2.18k_OnStateDiag_Cnt_str.NStep=Max
TS2.19k_OnStateDiag_Cnt_str.NStep=Pos
TS2.20SVDiag_ResetWaitLoop_Cnt_M_lgc=Min
TS2.21SVDiag_ResetWaitLoop_Cnt_M_lgc=Max
TS2.22Rte_Call_FetFlt1Data_OP_GET and Rte_Call_FetFlt2Clk_OP_GET=False
TS2.23Rte_Call_FetFlt1Data_OP_GET and Rte_Call_FetFlt2Clk_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_lg	0
target_Rte_Call_Sa_MtrDrvDiag_SystemTime_DtrmnElapsedTime_mS_u16_Elapse	1000
target_Rte_Call_Sa_MtrDrvDiag_SystemTime_DtrmnElapsedTime_uS_u16_Elapse	11100
target_Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_mS_u32_CurrentTi	5000

Name	Input Value
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_Cnt_enum
target_Rte_Inst_Sa_MtrDrvDiag.MtrDrvDiag_Per1_FETFaultType_Cnt_enum	target_MtrDrvDiag_Per1_FETFaultType_Cnt_enum
target_Rte_Inst_Sa_MtrDrvDiag.MtrDrvDiag_Per1_GateDriveResetActive_Cnt_lgc	target_MtrDrvDiag_Per1_GateDriveResetActive_Cnt_lgc
target_Rte_Inst_Sa_MtrDrvDiag.MtrDrvDiag_Per1_MtrDrvrInitComplete_Cnt_lgc	target_MtrDrvDiag_Per1_MtrDrvrInitComplete_Cnt_lgc
target_Rte_Inst_Sa_MtrDrvDiag.MtrDrvDiag_Per1_MtrDrvrInitStart_Cnt_lgc	target_MtrDrvDiag_Per1_MtrDrvrInitStart_Cnt_lgc

Name	Actual Value	Expected Value	Result
SVDiag_FETFaultPhase_Cnt_M_enum	0	0	✓
SVDiag_FETFaultType_Cnt_M_enum	0	0	✓
SVDiag_GateDriveFltAcc_Cnt_M_u16	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	✓

T			✓

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 2.2 (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
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_lg	1
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_FETFaultPhase_Cnt_enum
target_Rte_Inst_Sa_MtrDrvDiag.MtrDrvDiag_Per1_FETFaultType_Cnt_enum	target_MtrDrvDiag_Per1_FETFaultType_Cnt_enum
target_Rte_Inst_Sa_MtrDrvDiag.MtrDrvDiag_Per1_GateDriveResetActive_Cnt_lgc	target_MtrDrvDiag_Per1_GateDriveResetActive_Cnt_lgc
target_Rte_Inst_Sa_MtrDrvDiag.MtrDrvDiag_Per1_MtrDrvrInitComplete_Cnt_lgc	target_MtrDrvDiag_Per1_MtrDrvrInitComplete_Cnt_lgc
target_Rte_Inst_Sa_MtrDrvDiag.MtrDrvDiag_Per1_MtrDrvrInitStart_Cnt_lgc	target_MtrDrvDiag_Per1_MtrDrvrInitStart_Cnt_lgc

Name	Actual Value	Expected Value	Result
SVDiag_FETFaultPhase_Cnt_M_enum	1	1	✓
SVDiag_FETFaultType_Cnt_M_enum	1	1	✓
SVDiag_GateDriveFltAcc_Cnt_M_u16	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	✓

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	✔

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	✔
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 2.3 (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	50000	
SVDiag_GenGateDriveFltAcc_Cnt_M_u16	50	
SVDiag_MtrDrvInitActive_Cnt_M_lgc	1	
SVDiag_MtrDrvInitComp_Cnt_M_lgc	0	
SVDiag_MtrDrvInitStartTime_mS_M_u32p0	344	
SVDiag_OnStateFltAcc_Cnt_M_u16	5555	
SVDiag_ResetWaitLoop_Cnt_M_lgc	0	
k_GateDriveDiag_Cnt_str.Threshold	5000	
k_GateDriveDiag_Cnt_str.PStep	25000	
k_GateDriveDiag_Cnt_str.NStep	55550	
k_OnStateDiag_Cnt_str.Threshold	5555	
k_OnStateDiag_Cnt_str.PStep	15000	
k_OnStateDiag_Cnt_str.NStep	5000	
target_MtrDrvDiag_Per1_MtrDrvrInitStart_Cnt_lgc.value	0	
target_Rte_Call_Sa_MtrDrvDiag_FetFlt2Clk_OP_GET_signal	1	
target_Rte_Call_Sa_MtrDrvDiag_NxtrDiagMgr_GetNTCFailed_NTCFailed_Ptr_T_lg	1	
target_Rte_Call_Sa_MtrDrvDiag_SystemTime_DtrmnElapsedTime_mS_u16_Elapse	11000	
target_Rte_Call_Sa_MtrDrvDiag_SystemTime_DtrmnElapsedTime_uS_u16_Elapse	15100	
target_Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_mS_u32_CurrentTi	17000	
target_Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32_CurrentTir	500000	
target_Rte_Inst_Sa_MtrDrvDiag.MtrDrvDiag_Per1_FETFaultPhase_Cnt_enum	target_MtrDrvDiag_Per1_FETFaultPhase_Cnt_enum	
target_Rte_Inst_Sa_MtrDrvDiag.MtrDrvDiag_Per1_FETFaultType_Cnt_enum	target_MtrDrvDiag_Per1_FETFaultType_Cnt_enum	
target_Rte_Inst_Sa_MtrDrvDiag.MtrDrvDiag_Per1_GateDriveResetActive_Cnt_lgc	target_MtrDrvDiag_Per1_GateDriveResetActive_Cnt_lgc	
target_Rte_Inst_Sa_MtrDrvDiag.MtrDrvDiag_Per1_MtrDrvrInitComplete_Cnt_lgc	target_MtrDrvDiag_Per1_MtrDrvrInitComplete_Cnt_lgc	
target_Rte_Inst_Sa_MtrDrvDiag.MtrDrvDiag_Per1_MtrDrvrInitStart_Cnt_lgc	target_MtrDrvDiag_Per1_MtrDrvrInitStart_Cnt_lgc	
Name	**Actual Value**	**Expected Value**	**Result**
SVDiag_FETFaultPhase_Cnt_M_enum	1	1	✔
SVDiag_FETFaultType_Cnt_M_enum	1	1	✔
SVDiag_GateDriveFltAcc_Cnt_M_u16	50000	50000 ± 1	✔
SVDiag_GenGateDriveFltAcc_Cnt_M_u16	50	50 ± 1	✔
SVDiag_MtrDrvInitActive_Cnt_M_lgc	1	1	✔
SVDiag_MtrDrvInitComp_Cnt_M_lgc	0	0	✔
SVDiag_MtrDrvInitStartTime_mS_M_u32p0	344	344 ± 1	✔
SVDiag_OnStateFltAcc_Cnt_M_u16	5555	5555 ± 1	✔
SVDiag_ResetWaitLoop_Cnt_M_lgc	0	0	✔
target_MtrDrvDiag_Per1_FETFaultPhase_Cnt_enum.value	1	1	✔
target_MtrDrvDiag_Per1_FETFaultType_Cnt_enum.value	1	1	✔

Name	Actual Value	Expected Value	Result
target_MtrDrvDiag_Per1_GateDriveResetActive_Cnt_lgc.value	0	0	✔
target_MtrDrvDiag_Per1_MtrDrvrInitComplete_Cnt_lgc.value	0	0	✔

T					✔
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_SystemTime_DtrmnElapsedTime_uS_u16_ElapsedTime
Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_mS_u32(CurrentTime)	target_Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_mS_u32_CurrentTime
Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32(CurrentTime)	target_Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32_CurrentTime
Rte_Inst_Sa_MtrDrvDiag	target_Rte_Inst_Sa_MtrDrvDiag
SVDiag_FETFaultPhase_Cnt_M_enum	2
SVDiag_FETFaultType_Cnt_M_enum	0
SVDiag_GateDriveFltAcc_Cnt_M_u16	60000
SVDiag_GenGateDriveFltAcc_Cnt_M_u16	60
SVDiag_MtrDrvInitActive_Cnt_M_lgc	1
SVDiag_MtrDrvInitComp_Cnt_M_lgc	1
SVDiag_MtrDrvInitStartTime_mS_M_u32p0	6653
SVDiag_OnStateFltAcc_Cnt_M_u16	6666
SVDiag_ResetWaitLoop_Cnt_M_lgc	1
k_GateDriveDiag_Cnt_str.Threshold	10000
k_GateDriveDiag_Cnt_str.PStep	30000
k_GateDriveDiag_Cnt_str.NStep	10000
k_OnStateDiag_Cnt_str.Threshold	6666
k_OnStateDiag_Cnt_str.PStep	16000
k_OnStateDiag_Cnt_str.NStep	6000
target_MtrDrvDiag_Per1_MtrDrvrInitStart_Cnt_lgc.value	1
target_Rte_Call_Sa_MtrDrvDiag_FetFlt2Clk_OP_GET_signal	0
target_Rte_Call_Sa_MtrDrvDiag_NxtrDiagMgr_GetNTCFailed_NTCFailed_Ptr_T_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_Cnt_enum
target_Rte_Inst_Sa_MtrDrvDiag.MtrDrvDiag_Per1_FETFaultType_Cnt_enum	target_MtrDrvDiag_Per1_FETFaultType_Cnt_enum
target_Rte_Inst_Sa_MtrDrvDiag.MtrDrvDiag_Per1_GateDriveResetActive_Cnt_lgc	target_MtrDrvDiag_Per1_GateDriveResetActive_Cnt_lgc
target_Rte_Inst_Sa_MtrDrvDiag.MtrDrvDiag_Per1_MtrDrvrInitComplete_Cnt_lgc	target_MtrDrvDiag_Per1_MtrDrvrInitComplete_Cnt_lgc
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	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				✔
Actual Function	**Count**	**Expected Function**	**Count**	**Result**
Rte_Call_MtrDrvDiag_Per1_CP0_CheckpointReached	1	Rte_Call_MtrDrvDiag_Per1_CP0_CheckpointReached	1	✔
ResetGateDrive	1	ResetGateDrive	1	✔
SuspendAllInterrupts	1	SuspendAllInterrupts	1	✔
Rte_Call_Sa_MtrDrvDiag_FetDrvReset_OP_SET	1	Rte_Call_Sa_MtrDrvDiag_FetDrvReset_OP_SET	1	✔
GateDrvWaitTime	1	GateDrvWaitTime	1	✔
Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32	1	Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32	1	✔
Rte_Call_Sa_MtrDrvDiag_SystemTime_DtrmnElapsedTime_uS_u16	1	Rte_Call_Sa_MtrDrvDiag_SystemTime_DtrmnElapsedTime_uS_u16	1	✔
Rte_Call_Sa_MtrDrvDiag_FetDrvReset_OP_SET	1	Rte_Call_Sa_MtrDrvDiag_FetDrvReset_OP_SET	1	✔
ResumeAllInterrupts	1	ResumeAllInterrupts	1	✔
Rte_Call_MtrDrvDiag_Per1_CP1_CheckpointReached	1	Rte_Call_MtrDrvDiag_Per1_CP1_CheckpointReached	1	✔

Test Step 2.5 (Repeat Count = 1)		✔
Name	**Input Value**	
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	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_lgc	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_Cnt_enum	
target_Rte_Inst_Sa_MtrDrvDiag.MtrDrvDiag_Per1_FETFaultType_Cnt_enum	target_MtrDrvDiag_Per1_FETFaultType_Cnt_enum	
target_Rte_Inst_Sa_MtrDrvDiag.MtrDrvDiag_Per1_GateDriveResetActive_Cnt_lgc	target_MtrDrvDiag_Per1_GateDriveResetActive_Cnt_lgc	
target_Rte_Inst_Sa_MtrDrvDiag.MtrDrvDiag_Per1_MtrDrvrInitComplete_Cnt_lgc	target_MtrDrvDiag_Per1_MtrDrvrInitComplete_Cnt_lgc	
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	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_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	Count	Expected Function	Count	Result
Rte_Call_MtrDrvDiag_Per1_CP0_CheckpointReached	1	Rte_Call_MtrDrvDiag_Per1_CP0_CheckpointReached	1	✔
Rte_Call_Sa_MtrDrvDiag_FetFlt1Data_OP_GET	1	Rte_Call_Sa_MtrDrvDiag_FetFlt1Data_OP_GET	1	✔
Rte_Call_Sa_MtrDrvDiag_FetFlt2Clk_OP_GET	1	Rte_Call_Sa_MtrDrvDiag_FetFlt2Clk_OP_GET	1	✔
Rte_Call_Sa_MtrDrvDiag_NxtrDiagMgr_SetNTCStatus	1	Rte_Call_Sa_MtrDrvDiag_NxtrDiagMgr_SetNTCStatus	1	✔
ProcGateDriveFlt	1	ProcGateDriveFlt	1	✔
Rte_Call_Sa_MtrDrvDiag_NxtrDiagMgr_SetNTCStatus	1	Rte_Call_Sa_MtrDrvDiag_NxtrDiagMgr_SetNTCStatus	1	✔
ReadMtrDrvFltData	1	ReadMtrDrvFltData	1	✔
Rte_Call_Sa_MtrDrvDiag_IoHwAbPortConfig_SetFetFlt2ToOutput	1	Rte_Call_Sa_MtrDrvDiag_IoHwAbPortConfig_SetFetFlt2ToOutput	1	✔
Rte_Call_Sa_MtrDrvDiag_FetFlt2Clk_OP_SET	1	Rte_Call_Sa_MtrDrvDiag_FetFlt2Clk_OP_SET	1	✔
GateDrvWaitTime	1	GateDrvWaitTime	1	✔
Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32	1	Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32	1	✔
Rte_Call_Sa_MtrDrvDiag_SystemTime_DtrmnElapsedTime_uS_u16	1	Rte_Call_Sa_MtrDrvDiag_SystemTime_DtrmnElapsedTime_uS_u16	1	✔
Rte_Call_Sa_MtrDrvDiag_FetFlt1Data_OP_GET	1	Rte_Call_Sa_MtrDrvDiag_FetFlt1Data_OP_GET	1	✔
Rte_Call_Sa_MtrDrvDiag_FetFlt2Clk_OP_SET	1	Rte_Call_Sa_MtrDrvDiag_FetFlt2Clk_OP_SET	1	✔
GateDrvWaitTime	1	GateDrvWaitTime	1	✔
Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32	1	Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32	1	✔
Rte_Call_Sa_MtrDrvDiag_SystemTime_DtrmnElapsedTime_uS_u16	1	Rte_Call_Sa_MtrDrvDiag_SystemTime_DtrmnElapsedTime_uS_u16	1	✔
Rte_Call_Sa_MtrDrvDiag_FetFlt2Clk_OP_SET	1	Rte_Call_Sa_MtrDrvDiag_FetFlt2Clk_OP_SET	1	✔
GateDrvWaitTime	1	GateDrvWaitTime	1	✔
Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32	1	Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32	1	✔
Rte_Call_Sa_MtrDrvDiag_SystemTime_DtrmnElapsedTime_uS_u16	1	Rte_Call_Sa_MtrDrvDiag_SystemTime_DtrmnElapsedTime_uS_u16	1	✔
Rte_Call_Sa_MtrDrvDiag_FetFlt1Data_OP_GET	1	Rte_Call_Sa_MtrDrvDiag_FetFlt1Data_OP_GET	1	✔
Rte_Call_Sa_MtrDrvDiag_FetFlt2Clk_OP_SET	1	Rte_Call_Sa_MtrDrvDiag_FetFlt2Clk_OP_SET	1	✔
GateDrvWaitTime	1	GateDrvWaitTime	1	✔
Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32	1	Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32	1	✔
Rte_Call_Sa_MtrDrvDiag_SystemTime_DtrmnElapsedTime_uS_u16	1	Rte_Call_Sa_MtrDrvDiag_SystemTime_DtrmnElapsedTime_uS_u16	1	✔
Rte_Call_Sa_MtrDrvDiag_FetFlt2Clk_OP_SET	1	Rte_Call_Sa_MtrDrvDiag_FetFlt2Clk_OP_SET	1	✔
GateDrvWaitTime	1	GateDrvWaitTime	1	✔
Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32	1	Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32	1	✔
Rte_Call_Sa_MtrDrvDiag_SystemTime_DtrmnElapsedTime_uS_u16	1	Rte_Call_Sa_MtrDrvDiag_SystemTime_DtrmnElapsedTime_uS_u16	1	✔
Rte_Call_Sa_MtrDrvDiag_FetFlt1Data_OP_GET	1	Rte_Call_Sa_MtrDrvDiag_FetFlt1Data_OP_GET	1	✔
Rte_Call_Sa_MtrDrvDiag_FetFlt2Clk_OP_SET	1	Rte_Call_Sa_MtrDrvDiag_FetFlt2Clk_OP_SET	1	✔
GateDrvWaitTime	1	GateDrvWaitTime	1	✔
Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32	1	Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32	1	✔
Rte_Call_Sa_MtrDrvDiag_SystemTime_DtrmnElapsedTime_uS_u16	1	Rte_Call_Sa_MtrDrvDiag_SystemTime_DtrmnElapsedTime_uS_u16	1	✔
Rte_Call_Sa_MtrDrvDiag_FetFlt2Clk_OP_SET	1	Rte_Call_Sa_MtrDrvDiag_FetFlt2Clk_OP_SET	1	✔
GateDrvWaitTime	1	GateDrvWaitTime	1	✔
Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32	1	Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32	1	✔
Rte_Call_Sa_MtrDrvDiag_SystemTime_DtrmnElapsedTime_uS_u16	1	Rte_Call_Sa_MtrDrvDiag_SystemTime_DtrmnElapsedTime_uS_u16	1	✔
Rte_Call_Sa_MtrDrvDiag_FetFlt1Data_OP_GET	1	Rte_Call_Sa_MtrDrvDiag_FetFlt1Data_OP_GET	1	✔
Rte_Call_Sa_MtrDrvDiag_FetFlt2Clk_OP_SET	1	Rte_Call_Sa_MtrDrvDiag_FetFlt2Clk_OP_SET	1	✔
GateDrvWaitTime	1	GateDrvWaitTime	1	✔
Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32	1	Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32	1	✔
Rte_Call_Sa_MtrDrvDiag_SystemTime_DtrmnElapsedTime_uS_u16	1	Rte_Call_Sa_MtrDrvDiag_SystemTime_DtrmnElapsedTime_uS_u16	1	✔
Rte_Call_Sa_MtrDrvDiag_FetFlt2Clk_OP_SET	1	Rte_Call_Sa_MtrDrvDiag_FetFlt2Clk_OP_SET	1	✔
GateDrvWaitTime	1	GateDrvWaitTime	1	✔
Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32	1	Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32	1	✔
Rte_Call_Sa_MtrDrvDiag_SystemTime_DtrmnElapsedTime_uS_u16	1	Rte_Call_Sa_MtrDrvDiag_SystemTime_DtrmnElapsedTime_uS_u16	1	✔
Rte_Call_Sa_MtrDrvDiag_FetFlt1Data_OP_GET	1	Rte_Call_Sa_MtrDrvDiag_FetFlt1Data_OP_GET	1	✔
Rte_Call_Sa_MtrDrvDiag_FetFlt2Clk_OP_SET	1	Rte_Call_Sa_MtrDrvDiag_FetFlt2Clk_OP_SET	1	✔
GateDrvWaitTime	1	GateDrvWaitTime	1	✔
Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32	1	Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32	1	✔
Rte_Call_Sa_MtrDrvDiag_SystemTime_DtrmnElapsedTime_uS_u16	1	Rte_Call_Sa_MtrDrvDiag_SystemTime_DtrmnElapsedTime_uS_u16	1	✔
Rte_Call_Sa_MtrDrvDiag_FetFlt2Clk_OP_SET	1	Rte_Call_Sa_MtrDrvDiag_FetFlt2Clk_OP_SET	1	✔
GateDrvWaitTime	1	GateDrvWaitTime	1	✔
Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32	1	Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32	1	✔
Rte_Call_Sa_MtrDrvDiag_SystemTime_DtrmnElapsedTime_uS_u16	1	Rte_Call_Sa_MtrDrvDiag_SystemTime_DtrmnElapsedTime_uS_u16	1	✔
Rte_Call_Sa_MtrDrvDiag_FetFlt1Data_OP_GET	1	Rte_Call_Sa_MtrDrvDiag_FetFlt1Data_OP_GET	1	✔
Rte_Call_Sa_MtrDrvDiag_FetFlt2Clk_OP_SET	1	Rte_Call_Sa_MtrDrvDiag_FetFlt2Clk_OP_SET	1	✔
GateDrvWaitTime	1	GateDrvWaitTime	1	✔
Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32	1	Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32	1	✔
Rte_Call_Sa_MtrDrvDiag_SystemTime_DtrmnElapsedTime_uS_u16	1	Rte_Call_Sa_MtrDrvDiag_SystemTime_DtrmnElapsedTime_uS_u16	1	✔
Rte_Call_Sa_MtrDrvDiag_FetFlt2Clk_OP_SET	1	Rte_Call_Sa_MtrDrvDiag_FetFlt2Clk_OP_SET	1	✔
GateDrvWaitTime	1	GateDrvWaitTime	1	✔
Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32	1	Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32	1	✔
Rte_Call_Sa_MtrDrvDiag_SystemTime_DtrmnElapsedTime_uS_u16	1	Rte_Call_Sa_MtrDrvDiag_SystemTime_DtrmnElapsedTime_uS_u16	1	✔
Rte_Call_Sa_MtrDrvDiag_FetFlt1Data_OP_GET	1	Rte_Call_Sa_MtrDrvDiag_FetFlt1Data_OP_GET	1	✔
Rte_Call_Sa_MtrDrvDiag_FetFlt2Clk_OP_SET	1	Rte_Call_Sa_MtrDrvDiag_FetFlt2Clk_OP_SET	1	✔
GateDrvWaitTime	1	GateDrvWaitTime	1	✔
Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32	1	Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32	1	✔
Rte_Call_Sa_MtrDrvDiag_SystemTime_DtrmnElapsedTime_uS_u16	Count	Rte_Call_Sa_MtrDrvDiag_SystemTime_DtrmnElapsedTime_uS_u16	Count	✔
Rte_Call_Sa_MtrDrvDiag_FetFlt2Clk_OP_SET	1	Rte_Call_Sa_MtrDrvDiag_FetFlt2Clk_OP_SET	1	✔
GateDrvWaitTime	1	GateDrvWaitTime	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_FetFlt1Data_OP_GET	1	Rte_Call_Sa_MtrDrvDiag_FetFlt1Data_OP_GET	1	✔
Rte_Call_Sa_MtrDrvDiag_FetFlt2Clk_OP_SET	1	Rte_Call_Sa_MtrDrvDiag_FetFlt2Clk_OP_SET	1	✔
GateDrvWaitTime	1	GateDrvWaitTime	1	✔
Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32	1	Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32	1	✔
Rte_Call_Sa_MtrDrvDiag_SystemTime_DtrmnElapsedTime_uS_u16	1	Rte_Call_Sa_MtrDrvDiag_SystemTime_DtrmnElapsedTime_uS_u16	1	✔
Rte_Call_Sa_MtrDrvDiag_FetFlt2Clk_OP_SET	1	Rte_Call_Sa_MtrDrvDiag_FetFlt2Clk_OP_SET	1	✔
GateDrvWaitTime	1	GateDrvWaitTime	1	✔
Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32	1	Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32	1	✔
Rte_Call_Sa_MtrDrvDiag_SystemTime_DtrmnElapsedTime_uS_u16	1	Rte_Call_Sa_MtrDrvDiag_SystemTime_DtrmnElapsedTime_uS_u16	1	✔
Rte_Call_Sa_MtrDrvDiag_FetFlt1Data_OP_GET	1	Rte_Call_Sa_MtrDrvDiag_FetFlt1Data_OP_GET	1	✔
Rte_Call_Sa_MtrDrvDiag_FetFlt2Clk_OP_SET	1	Rte_Call_Sa_MtrDrvDiag_FetFlt2Clk_OP_SET	1	✔
GateDrvWaitTime	1	GateDrvWaitTime	1	✔
Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32	1	Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32	1	✔
Rte_Call_Sa_MtrDrvDiag_SystemTime_DtrmnElapsedTime_uS_u16	1	Rte_Call_Sa_MtrDrvDiag_SystemTime_DtrmnElapsedTime_uS_u16	1	✔
Rte_Call_Sa_MtrDrvDiag_FetFlt2Clk_OP_SET	1	Rte_Call_Sa_MtrDrvDiag_FetFlt2Clk_OP_SET	1	✔
GateDrvWaitTime	1	GateDrvWaitTime	1	✔
Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32	1	Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32	1	✔
Rte_Call_Sa_MtrDrvDiag_SystemTime_DtrmnElapsedTime_uS_u16	1	Rte_Call_Sa_MtrDrvDiag_SystemTime_DtrmnElapsedTime_uS_u16	1	✔
Rte_Call_Sa_MtrDrvDiag_FetFlt1Data_OP_GET	1	Rte_Call_Sa_MtrDrvDiag_FetFlt1Data_OP_GET	1	✔
Rte_Call_Sa_MtrDrvDiag_FetFlt2Clk_OP_SET	1	Rte_Call_Sa_MtrDrvDiag_FetFlt2Clk_OP_SET	1	✔
GateDrvWaitTime	1	GateDrvWaitTime	1	✔
Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32	1	Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_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 2.6 (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_lg	0
target_Rte_Call_Sa_MtrDrvDiag_SystemTime_DtrmnElapsedTime_mS_u16_Elapse	20000
target_Rte_Call_Sa_MtrDrvDiag_SystemTime_DtrmnElapsedTime_uS_u16_Elapse	18100
target_Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_mS_u32_CurrentTi	26000
target_Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32_CurrentTir	800000
target_Rte_Inst_Sa_MtrDrvDiag.MtrDrvDiag_Per1_FETFaultPhase_Cnt_enum	target_MtrDrvDiag_Per1_FETFaultPhase_Cnt_enum
target_Rte_Inst_Sa_MtrDrvDiag.MtrDrvDiag_Per1_FETFaultType_Cnt_enum	target_MtrDrvDiag_Per1_FETFaultType_Cnt_enum
target_Rte_Inst_Sa_MtrDrvDiag.MtrDrvDiag_Per1_GateDriveResetActive_Cnt_lgc	target_MtrDrvDiag_Per1_GateDriveResetActive_Cnt_lgc

Name	Input Value		
target_Rte_Inst_Sa_MtrDrvDiag.MtrDrvDiag_Per1_MtrDrvrInitComplete_Cnt_lgc	target_MtrDrvDiag_Per1_MtrDrvrInitComplete_Cnt_lgc		
target_Rte_Inst_Sa_MtrDrvDiag.MtrDrvDiag_Per1_MtrDrvrInitStart_Cnt_lgc	target_MtrDrvDiag_Per1_MtrDrvrInitStart_Cnt_lgc		

Name	Actual Value	Expected Value	Result
SVDiag_FETFaultPhase_Cnt_M_enum	0	0	✔
SVDiag_FETFaultType_Cnt_M_enum	1	1	✔
SVDiag_GateDriveFltAcc_Cnt_M_u16	20000	20000 ± 1	✔
SVDiag_GenGateDriveFltAcc_Cnt_M_u16	80	80 ± 1	✔
SVDiag_MtrDrvInitActive_Cnt_M_lgc	1	1	✔
SVDiag_MtrDrvInitComp_Cnt_M_lgc	1	1	✔
SVDiag_MtrDrvInitStartTime_mS_M_u32p0	1233	1233 ± 1	✔
SVDiag_OnStateFltAcc_Cnt_M_u16	8888	8888 ± 1	✔
SVDiag_ResetWaitLoop_Cnt_M_lgc	0	0	✔
target_MtrDrvDiag_Per1_FETFaultPhase_Cnt_enum.value	0	0	✔
target_MtrDrvDiag_Per1_FETFaultType_Cnt_enum.value	1	1	✔
target_MtrDrvDiag_Per1_GateDriveResetActive_Cnt_lgc.value	1	1	✔
target_MtrDrvDiag_Per1_MtrDrvrInitComplete_Cnt_lgc.value	1	1	✔
NTC	0x4C	0x4C	✔
Param	0x01	0x01	✔
Status	0x01	0x01	✔

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	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	✔	

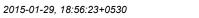| **Test Step 2.7 (Repeat Count = 1)**		✔
Name	**Input Value**	
Rte_Call_Sa_MtrDrvDiag_FetFlt2Clk_OP_GET(signal)	target_Rte_Call_Sa_MtrDrvDiag_FetFlt2Clk_OP_GET_signal	
Rte_Call_Sa_MtrDrvDiag_NxtrDiagMgr_GetNTCFailed(NTCFailed_Ptr_T_lgc)	target_Rte_Call_Sa_MtrDrvDiag_NxtrDiagMgr_GetNTCFailed_NTCFailed_Ptr_T_lgc	
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_lgc	0	
target_Rte_Call_Sa_MtrDrvDiag_SystemTime_DtrmnElapsedTime_mS_u16_Elapse	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_CurrentTir	900000	
target_Rte_Inst_Sa_MtrDrvDiag.MtrDrvDiag_Per1_FETFaultPhase_Cnt_enum	target_MtrDrvDiag_Per1_FETFaultPhase_Cnt_enum	

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_GateDriveResetActive_Cnt_lgc
target_Rte_Inst_Sa_MtrDrvDiag.MtrDrvDiag_Per1_MtrDrvrInitComplete_Cnt_lgc	target_MtrDrvDiag_Per1_MtrDrvrInitComplete_Cnt_lgc
target_Rte_Inst_Sa_MtrDrvDiag.MtrDrvDiag_Per1_MtrDrvrInitStart_Cnt_lgc	target_MtrDrvDiag_Per1_MtrDrvrInitStart_Cnt_lgc

Name	Actual Value	Expected Value	Result
SVDiag_FETFaultPhase_Cnt_M_enum	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	✔

T	✔

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	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	✔
ReadMtrDrvFltData	1	ReadMtrDrvFltData	1	✔
Rte_Call_Sa_MtrDrvDiag_IoHwAbPortConfig_SetFetFlt2ToOutput	1	Rte_Call_Sa_MtrDrvDiag_IoHwAbPortConfig_SetFetFlt2ToOutput	1	✔
Rte_Call_Sa_MtrDrvDiag_FetFlt2Clk_OP_SET	1	Rte_Call_Sa_MtrDrvDiag_FetFlt2Clk_OP_SET	1	✔
GateDrvWaitTime	1	GateDrvWaitTime	1	✔
Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32	1	Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32	1	✔
Rte_Call_Sa_MtrDrvDiag_SystemTime_DtrmnElapsedTime_uS_u16	1	Rte_Call_Sa_MtrDrvDiag_SystemTime_DtrmnElapsedTime_uS_u16	1	✔
Rte_Call_Sa_MtrDrvDiag_FetFlt1Data_OP_GET	1	Rte_Call_Sa_MtrDrvDiag_FetFlt1Data_OP_GET	1	✔
Rte_Call_Sa_MtrDrvDiag_FetFlt2Clk_OP_SET	1	Rte_Call_Sa_MtrDrvDiag_FetFlt2Clk_OP_SET	1	✔
GateDrvWaitTime	1	GateDrvWaitTime	1	✔
Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32	1	Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32	1	✔
Rte_Call_Sa_MtrDrvDiag_SystemTime_DtrmnElapsedTime_uS_u16	1	Rte_Call_Sa_MtrDrvDiag_SystemTime_DtrmnElapsedTime_uS_u16	1	✔
Rte_Call_Sa_MtrDrvDiag_FetFlt2Clk_OP_SET	1	Rte_Call_Sa_MtrDrvDiag_FetFlt2Clk_OP_SET	1	✔
GateDrvWaitTime	1	GateDrvWaitTime	1	✔
Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32	1	Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32	1	✔
Rte_Call_Sa_MtrDrvDiag_SystemTime_DtrmnElapsedTime_uS_u16	1	Rte_Call_Sa_MtrDrvDiag_SystemTime_DtrmnElapsedTime_uS_u16	1	✔
Rte_Call_Sa_MtrDrvDiag_FetFlt1Data_OP_GET	1	Rte_Call_Sa_MtrDrvDiag_FetFlt1Data_OP_GET	1	✔
Rte_Call_Sa_MtrDrvDiag_FetFlt2Clk_OP_SET	1	Rte_Call_Sa_MtrDrvDiag_FetFlt2Clk_OP_SET	1	✔
GateDrvWaitTime	1	GateDrvWaitTime	1	✔
Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32	1	Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32	1	✔
Rte_Call_Sa_MtrDrvDiag_SystemTime_DtrmnElapsedTime_uS_u16	1	Rte_Call_Sa_MtrDrvDiag_SystemTime_DtrmnElapsedTime_uS_u16	1	✔
Rte_Call_Sa_MtrDrvDiag_FetFlt2Clk_OP_SET	1	Rte_Call_Sa_MtrDrvDiag_FetFlt2Clk_OP_SET	1	✔
GateDrvWaitTime	1	GateDrvWaitTime	1	✔
Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32	1	Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32	1	✔
Rte_Call_Sa_MtrDrvDiag_SystemTime_DtrmnElapsedTime_uS_u16	1	Rte_Call_Sa_MtrDrvDiag_SystemTime_DtrmnElapsedTime_uS_u16	1	✔
Rte_Call_Sa_MtrDrvDiag_FetFlt1Data_OP_GET	1	Rte_Call_Sa_MtrDrvDiag_FetFlt1Data_OP_GET	1	✔
Rte_Call_Sa_MtrDrvDiag_FetFlt2Clk_OP_SET	1	Rte_Call_Sa_MtrDrvDiag_FetFlt2Clk_OP_SET	1	✔
GateDrvWaitTime	1	GateDrvWaitTime	1	✔
Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32	1	Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32	1	✔
Rte_Call_Sa_MtrDrvDiag_SystemTime_DtrmnElapsedTime_uS_u16	1	Rte_Call_Sa_MtrDrvDiag_SystemTime_DtrmnElapsedTime_uS_u16	1	✔
Rte_Call_Sa_MtrDrvDiag_FetFlt2Clk_OP_SET	1	Rte_Call_Sa_MtrDrvDiag_FetFlt2Clk_OP_SET	1	✔
GateDrvWaitTime	1	GateDrvWaitTime	1	✔
Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32	1	Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32	1	✔
Rte_Call_Sa_MtrDrvDiag_SystemTime_DtrmnElapsedTime_uS_u16	1	Rte_Call_Sa_MtrDrvDiag_SystemTime_DtrmnElapsedTime_uS_u16	1	✔
Rte_Call_Sa_MtrDrvDiag_FetFlt1Data_OP_GET	1	Rte_Call_Sa_MtrDrvDiag_FetFlt1Data_OP_GET	1	✔
Rte_Call_Sa_MtrDrvDiag_FetFlt2Clk_OP_SET	1	Rte_Call_Sa_MtrDrvDiag_FetFlt2Clk_OP_SET	1	✔
GateDrvWaitTime	1	GateDrvWaitTime	1	✔
Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32	1	Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32	1	✔
Rte_Call_Sa_MtrDrvDiag_SystemTime_DtrmnElapsedTime_uS_u16	1	Rte_Call_Sa_MtrDrvDiag_SystemTime_DtrmnElapsedTime_uS_u16	1	✔
Rte_Call_Sa_MtrDrvDiag_FetFlt2Clk_OP_SET	1	Rte_Call_Sa_MtrDrvDiag_FetFlt2Clk_OP_SET	1	✔
GateDrvWaitTime	1	GateDrvWaitTime	1	✔
Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32	1	Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32	1	✔
Rte_Call_Sa_MtrDrvDiag_SystemTime_DtrmnElapsedTime_uS_u16	1	Rte_Call_Sa_MtrDrvDiag_SystemTime_DtrmnElapsedTime_uS_u16	1	✔
Rte_Call_Sa_MtrDrvDiag_FetFlt1Data_OP_GET	1	Rte_Call_Sa_MtrDrvDiag_FetFlt1Data_OP_GET	1	✔
Rte_Call_Sa_MtrDrvDiag_FetFlt2Clk_OP_SET	1	Rte_Call_Sa_MtrDrvDiag_FetFlt2Clk_OP_SET	1	✔
GateDrvWaitTime	1	GateDrvWaitTime	1	✔
Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32	1	Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32	1	✔
Rte_Call_Sa_MtrDrvDiag_SystemTime_DtrmnElapsedTime_uS_u16	1	Rte_Call_Sa_MtrDrvDiag_SystemTime_DtrmnElapsedTime_uS_u16	1	✔
Rte_Call_Sa_MtrDrvDiag_FetFlt2Clk_OP_SET	1	Rte_Call_Sa_MtrDrvDiag_FetFlt2Clk_OP_SET	1	✔
GateDrvWaitTime	1	GateDrvWaitTime	1	✔
Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32	1	Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32	1	✔
Rte_Call_Sa_MtrDrvDiag_SystemTime_DtrmnElapsedTime_uS_u16	1	Rte_Call_Sa_MtrDrvDiag_SystemTime_DtrmnElapsedTime_uS_u16	1	✔
Rte_Call_Sa_MtrDrvDiag_FetFlt1Data_OP_GET	1	Rte_Call_Sa_MtrDrvDiag_FetFlt1Data_OP_GET	1	✔
Rte_Call_Sa_MtrDrvDiag_FetFlt2Clk_OP_SET	1	Rte_Call_Sa_MtrDrvDiag_FetFlt2Clk_OP_SET	1	✔
GateDrvWaitTime	1	GateDrvWaitTime	1	✔
Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32	1	Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32	1	✔
Rte_Call_Sa_MtrDrvDiag_SystemTime_DtrmnElapsedTime_uS_u16	Count	Rte_Call_Sa_MtrDrvDiag_SystemTime_DtrmnElapsedTime_uS_u16	Count	✔
Rte_Call_Sa_MtrDrvDiag_FetFlt2Clk_OP_SET	1	Rte_Call_Sa_MtrDrvDiag_FetFlt2Clk_OP_SET	1	✔
GateDrvWaitTime	1	GateDrvWaitTime	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_FetFlt1Data_OP_GET	1	Rte_Call_Sa_MtrDrvDiag_FetFlt1Data_OP_GET	1	✔
Rte_Call_Sa_MtrDrvDiag_FetFlt2Clk_OP_SET	1	Rte_Call_Sa_MtrDrvDiag_FetFlt2Clk_OP_SET	1	✔
GateDrvWaitTime	1	GateDrvWaitTime	1	✔
Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32	1	Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32	1	✔
Rte_Call_Sa_MtrDrvDiag_SystemTime_DtrmnElapsedTime_uS_u16	1	Rte_Call_Sa_MtrDrvDiag_SystemTime_DtrmnElapsedTime_uS_u16	1	✔
Rte_Call_Sa_MtrDrvDiag_FetFlt2Clk_OP_SET	1	Rte_Call_Sa_MtrDrvDiag_FetFlt2Clk_OP_SET	1	✔
GateDrvWaitTime	1	GateDrvWaitTime	1	✔
Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32	1	Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32	1	✔
Rte_Call_Sa_MtrDrvDiag_SystemTime_DtrmnElapsedTime_uS_u16	1	Rte_Call_Sa_MtrDrvDiag_SystemTime_DtrmnElapsedTime_uS_u16	1	✔
Rte_Call_Sa_MtrDrvDiag_FetFlt1Data_OP_GET	1	Rte_Call_Sa_MtrDrvDiag_FetFlt1Data_OP_GET	1	✔
Rte_Call_Sa_MtrDrvDiag_FetFlt2Clk_OP_SET	1	Rte_Call_Sa_MtrDrvDiag_FetFlt2Clk_OP_SET	1	✔
GateDrvWaitTime	1	GateDrvWaitTime	1	✔
Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32	1	Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32	1	✔
Rte_Call_Sa_MtrDrvDiag_SystemTime_DtrmnElapsedTime_uS_u16	1	Rte_Call_Sa_MtrDrvDiag_SystemTime_DtrmnElapsedTime_uS_u16	1	✔
Rte_Call_Sa_MtrDrvDiag_FetFlt2Clk_OP_SET	1	Rte_Call_Sa_MtrDrvDiag_FetFlt2Clk_OP_SET	1	✔
GateDrvWaitTime	1	GateDrvWaitTime	1	✔
Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32	1	Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32	1	✔
Rte_Call_Sa_MtrDrvDiag_SystemTime_DtrmnElapsedTime_uS_u16	1	Rte_Call_Sa_MtrDrvDiag_SystemTime_DtrmnElapsedTime_uS_u16	1	✔
Rte_Call_Sa_MtrDrvDiag_FetFlt1Data_OP_GET	1	Rte_Call_Sa_MtrDrvDiag_FetFlt1Data_OP_GET	1	✔
Rte_Call_Sa_MtrDrvDiag_FetFlt2Clk_OP_SET	1	Rte_Call_Sa_MtrDrvDiag_FetFlt2Clk_OP_SET	1	✔
GateDrvWaitTime	1	GateDrvWaitTime	1	✔
Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32	1	Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32	1	✔
Rte_Call_Sa_MtrDrvDiag_SystemTime_DtrmnElapsedTime_uS_u16	1	Rte_Call_Sa_MtrDrvDiag_SystemTime_DtrmnElapsedTime_uS_u16	1	✔
Rte_Call_Sa_MtrDrvDiag_IoHwAbPortConfig_SetFetFlt2ToOutput	1	Rte_Call_Sa_MtrDrvDiag_IoHwAbPortConfig_SetFetFlt2ToOutput	1	✔
Rte_Call_Sa_MtrDrvDiag_NxtrDiagMgr_SetNTCStatus	1	Rte_Call_Sa_MtrDrvDiag_NxtrDiagMgr_SetNTCStatus	1	✔
ResetGateDrive	1	ResetGateDrive	1	✔
SuspendAllInterrupts	1	SuspendAllInterrupts	1	✔
Rte_Call_Sa_MtrDrvDiag_FetDrvReset_OP_SET	1	Rte_Call_Sa_MtrDrvDiag_FetDrvReset_OP_SET	1	✔
GateDrvWaitTime	1	GateDrvWaitTime	1	✔
Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32	1	Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32	1	✔
Rte_Call_Sa_MtrDrvDiag_SystemTime_DtrmnElapsedTime_uS_u16	1	Rte_Call_Sa_MtrDrvDiag_SystemTime_DtrmnElapsedTime_uS_u16	1	✔
Rte_Call_Sa_MtrDrvDiag_FetDrvReset_OP_SET	1	Rte_Call_Sa_MtrDrvDiag_FetDrvReset_OP_SET	1	✔
ResumeAllInterrupts	1	ResumeAllInterrupts	1	✔
Rte_Call_MtrDrvDiag_Per1_CP1_CheckpointReached	1	Rte_Call_MtrDrvDiag_Per1_CP1_CheckpointReached	1	✔

Test Step 2.8 (Repeat Count = 1)	✔

Name	Input Value
Rte_Call_Sa_MtrDrvDiag_FetFlt2Clk_OP_GET(signal)	target_Rte_Call_Sa_MtrDrvDiag_FetFlt2Clk_OP_GET_signal
Rte_Call_Sa_MtrDrvDiag_NxtrDiagMgr_GetNTCFailed(NTCFailed_Ptr_T_lgc)	target_Rte_Call_Sa_MtrDrvDiag_NxtrDiagMgr_GetNTCFailed_NTCFailed_Ptr_T_lgc
Rte_Call_Sa_MtrDrvDiag_SystemTime_DtrmnElapsedTime_mS_u16(ElapsedTime)	target_Rte_Call_Sa_MtrDrvDiag_SystemTime_DtrmnElapsedTime_mS_u16_ElapsedTime
Rte_Call_Sa_MtrDrvDiag_SystemTime_DtrmnElapsedTime_uS_u16(ElapsedTime)	target_Rte_Call_Sa_MtrDrvDiag_SystemTime_DtrmnElapsedTime_uS_u16_ElapsedTime
Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_mS_u32(CurrentTime)	target_Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_mS_u32_CurrentTime
Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32(CurrentTime)	target_Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32_CurrentTime
Rte_Inst_Sa_MtrDrvDiag	target_Rte_Inst_Sa_MtrDrvDiag
SVDiag_FETFaultPhase_Cnt_M_enum	2
SVDiag_FETFaultType_Cnt_M_enum	2
SVDiag_GateDriveFltAcc_Cnt_M_u16	4000
SVDiag_GenGateDriveFltAcc_Cnt_M_u16	0
SVDiag_MtrDrvInitActive_Cnt_M_lgc	1
SVDiag_MtrDrvInitComp_Cnt_M_lgc	1
SVDiag_MtrDrvInitStartTime_mS_M_u32p0	4234
SVDiag_OnStateFltAcc_Cnt_M_u16	11110
SVDiag_ResetWaitLoop_Cnt_M_lgc	0
k_GateDriveDiag_Cnt_str.Threshold	30000
k_GateDriveDiag_Cnt_str.PStep	50000
k_GateDriveDiag_Cnt_str.NStep	50000
k_OnStateDiag_Cnt_str.Threshold	11110
k_OnStateDiag_Cnt_str.PStep	20000
k_OnStateDiag_Cnt_str.NStep	10000
target_MtrDrvDiag_Per1_MtrDrvrInitStart_Cnt_lgc.value	1
target_Rte_Call_Sa_MtrDrvDiag_FetFlt2Clk_OP_GET_signal	1
target_Rte_Call_Sa_MtrDrvDiag_NxtrDiagMgr_GetNTCFailed_NTCFailed_Ptr_T_lg	1
target_Rte_Call_Sa_MtrDrvDiag_SystemTime_DtrmnElapsedTime_mS_u16_Elapse	26000
target_Rte_Call_Sa_MtrDrvDiag_SystemTime_DtrmnElapsedTime_uS_u16_Elapse	20100
target_Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_mS_u32_CurrentTi	200000000
target_Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32_CurrentTir	1000000
target_Rte_Inst_Sa_MtrDrvDiag.MtrDrvDiag_Per1_FETFaultPhase_Cnt_enum	target_MtrDrvDiag_Per1_FETFaultPhase_Cnt_enum
target_Rte_Inst_Sa_MtrDrvDiag.MtrDrvDiag_Per1_FETFaultType_Cnt_enum	target_MtrDrvDiag_Per1_FETFaultType_Cnt_enum

Name	Input Value		
target_Rte_Inst_Sa_MtrDrvDiag.MtrDrvDiag_Per1_GateDriveResetActive_Cnt_lgc	target_MtrDrvDiag_Per1_GateDriveResetActive_Cnt_lgc		
target_Rte_Inst_Sa_MtrDrvDiag.MtrDrvDiag_Per1_MtrDrvrInitComplete_Cnt_lgc	target_MtrDrvDiag_Per1_MtrDrvrInitComplete_Cnt_lgc		
target_Rte_Inst_Sa_MtrDrvDiag.MtrDrvDiag_Per1_MtrDrvrInitStart_Cnt_lgc	target_MtrDrvDiag_Per1_MtrDrvrInitStart_Cnt_lgc		

Name	Actual Value	Expected Value	Result
SVDiag_FETFaultPhase_Cnt_M_enum	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					✔
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_lgc	1	
target_Rte_Call_Sa_MtrDrvDiag_SystemTime_DtrmnElapsedTime_mS_u16_Elapse	29000	
target_Rte_Call_Sa_MtrDrvDiag_SystemTime_DtrmnElapsedTime_uS_u16_Elapse	21100	
target_Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_mS_u32_CurrentTi	300000000	

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_Cnt_enum
target_Rte_Inst_Sa_MtrDrvDiag.MtrDrvDiag_Per1_FETFaultType_Cnt_enum	target_MtrDrvDiag_Per1_FETFaultType_Cnt_enum
target_Rte_Inst_Sa_MtrDrvDiag.MtrDrvDiag_Per1_GateDriveResetActive_Cnt_lgc	target_MtrDrvDiag_Per1_GateDriveResetActive_Cnt_lgc
target_Rte_Inst_Sa_MtrDrvDiag.MtrDrvDiag_Per1_MtrDrvrInitComplete_Cnt_lgc	target_MtrDrvDiag_Per1_MtrDrvrInitComplete_Cnt_lgc
target_Rte_Inst_Sa_MtrDrvDiag.MtrDrvDiag_Per1_MtrDrvrInitStart_Cnt_lgc	target_MtrDrvDiag_Per1_MtrDrvrInitStart_Cnt_lgc

Name	Actual Value	Expected Value	Result
SVDiag_FETFaultPhase_Cnt_M_enum	1	1	✔
SVDiag_FETFaultType_Cnt_M_enum	1	1	✔
SVDiag_GateDriveFltAcc_Cnt_M_u16	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				✔
Actual Function	**Count**	**Expected Function**	**Count**	**Result**
Rte_Call_MtrDrvDiag_Per1_CP0_CheckpointReached	1	Rte_Call_MtrDrvDiag_Per1_CP0_CheckpointReached	1	✔
Rte_Call_Sa_MtrDrvDiag_FetFlt1Data_OP_GET	1	Rte_Call_Sa_MtrDrvDiag_FetFlt1Data_OP_GET	1	✔
Rte_Call_Sa_MtrDrvDiag_FetFlt2Clk_OP_GET	1	Rte_Call_Sa_MtrDrvDiag_FetFlt2Clk_OP_GET	1	✔
Rte_Call_Sa_MtrDrvDiag_NxtrDiagMgr_SetNTCStatus	1	Rte_Call_Sa_MtrDrvDiag_NxtrDiagMgr_SetNTCStatus	1	✔
ProcBridgeFlt	1	ProcBridgeFlt	1	✔
Rte_Call_Sa_MtrDrvDiag_NxtrDiagMgr_GetNTCFailed	1	Rte_Call_Sa_MtrDrvDiag_NxtrDiagMgr_GetNTCFailed	1	✔
Rte_Call_Sa_MtrDrvDiag_NxtrDiagMgr_SetNTCStatus	1	Rte_Call_Sa_MtrDrvDiag_NxtrDiagMgr_SetNTCStatus	1	✔
ResetGateDrive	1	ResetGateDrive	1	✔
SuspendAllInterrupts	1	SuspendAllInterrupts	1	✔
Rte_Call_Sa_MtrDrvDiag_FetDrvReset_OP_SET	1	Rte_Call_Sa_MtrDrvDiag_FetDrvReset_OP_SET	1	✔
GateDrvWaitTime	1	GateDrvWaitTime	1	✔
Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32	1	Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32	1	✔
Rte_Call_Sa_MtrDrvDiag_SystemTime_DtrmnElapsedTime_uS_u16	1	Rte_Call_Sa_MtrDrvDiag_SystemTime_DtrmnElapsedTime_uS_u16	1	✔
Rte_Call_Sa_MtrDrvDiag_FetDrvReset_OP_SET	1	Rte_Call_Sa_MtrDrvDiag_FetDrvReset_OP_SET	1	✔
ResumeAllInterrupts	1	ResumeAllInterrupts	1	✔
Rte_Call_MtrDrvDiag_Per1_CP1_CheckpointReached	1	Rte_Call_MtrDrvDiag_Per1_CP1_CheckpointReached	1	✔

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

Name	Input Value		
target_Rte_Call_Sa_MtrDrvDiag_SystemTime_DtrmnElapsedTime_mS_u16_Elapse	32000		
target_Rte_Call_Sa_MtrDrvDiag_SystemTime_DtrmnElapsedTime_uS_u16_Elapse	22100		
target_Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_mS_u32_CurrentTi	400000000		
target_Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32_CurrentTir	1200000		
target_Rte_Inst_Sa_MtrDrvDiag.MtrDrvDiag_Per1_FETFaultPhase_Cnt_enum	target_MtrDrvDiag_Per1_FETFaultPhase_Cnt_enum		
target_Rte_Inst_Sa_MtrDrvDiag.MtrDrvDiag_Per1_FETFaultType_Cnt_enum	target_MtrDrvDiag_Per1_FETFaultType_Cnt_enum		
target_Rte_Inst_Sa_MtrDrvDiag.MtrDrvDiag_Per1_GateDriveResetActive_Cnt_lgc	target_MtrDrvDiag_Per1_GateDriveResetActive_Cnt_lgc		
target_Rte_Inst_Sa_MtrDrvDiag.MtrDrvDiag_Per1_MtrDrvrInitComplete_Cnt_lgc	target_MtrDrvDiag_Per1_MtrDrvrInitComplete_Cnt_lgc		
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	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_lgc.value	1	1	✔
NTC	0x4C	0x4C	✔
Param	0x01	0x01	✔
Status	0x01	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	✔
ProcBridgeFlt	1	ProcBridgeFlt	1	✔
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_IoHwAbPortConfig_SetFetFlt2ToOutput	1	✔
Rte_Call_Sa_MtrDrvDiag_FetFlt2Clk_OP_SET	1	Rte_Call_Sa_MtrDrvDiag_FetFlt2Clk_OP_SET	1	✔
GateDrvWaitTime	1	GateDrvWaitTime	1	✔
Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32	1	Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32	1	✔
Rte_Call_Sa_MtrDrvDiag_SystemTime_DtrmnElapsedTime_uS_u16	1	Rte_Call_Sa_MtrDrvDiag_SystemTime_DtrmnElapsedTime_uS_u16	1	✔
Rte_Call_Sa_MtrDrvDiag_FetFlt1Data_OP_GET	1	Rte_Call_Sa_MtrDrvDiag_FetFlt1Data_OP_GET	1	✔
Rte_Call_Sa_MtrDrvDiag_FetFlt2Clk_OP_SET	1	Rte_Call_Sa_MtrDrvDiag_FetFlt2Clk_OP_SET	1	✔
GateDrvWaitTime	1	GateDrvWaitTime	1	✔
Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32	1	Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32	1	✔
Rte_Call_Sa_MtrDrvDiag_SystemTime_DtrmnElapsedTime_uS_u16	1	Rte_Call_Sa_MtrDrvDiag_SystemTime_DtrmnElapsedTime_uS_u16	1	✔
Rte_Call_Sa_MtrDrvDiag_FetFlt2Clk_OP_SET	1	Rte_Call_Sa_MtrDrvDiag_FetFlt2Clk_OP_SET	1	✔
GateDrvWaitTime	1	GateDrvWaitTime	1	✔
Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32	1	Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32	1	✔
Rte_Call_Sa_MtrDrvDiag_SystemTime_DtrmnElapsedTime_uS_u16	1	Rte_Call_Sa_MtrDrvDiag_SystemTime_DtrmnElapsedTime_uS_u16	1	✔
Rte_Call_Sa_MtrDrvDiag_FetFlt1Data_OP_GET	1	Rte_Call_Sa_MtrDrvDiag_FetFlt1Data_OP_GET	1	✔
Rte_Call_Sa_MtrDrvDiag_FetFlt2Clk_OP_SET	1	Rte_Call_Sa_MtrDrvDiag_FetFlt2Clk_OP_SET	1	✔
GateDrvWaitTime	1	GateDrvWaitTime	1	✔
Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32	1	Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32	1	✔
Rte_Call_Sa_MtrDrvDiag_SystemTime_DtrmnElapsedTime_uS_u16	1	Rte_Call_Sa_MtrDrvDiag_SystemTime_DtrmnElapsedTime_uS_u16	1	✔
Rte_Call_Sa_MtrDrvDiag_FetFlt2Clk_OP_SET	1	Rte_Call_Sa_MtrDrvDiag_FetFlt2Clk_OP_SET	1	✔
GateDrvWaitTime	1	GateDrvWaitTime	1	✔
Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32	1	Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32	1	✔
Rte_Call_Sa_MtrDrvDiag_SystemTime_DtrmnElapsedTime_uS_u16	1	Rte_Call_Sa_MtrDrvDiag_SystemTime_DtrmnElapsedTime_uS_u16	1	✔
Rte_Call_Sa_MtrDrvDiag_FetFlt1Data_OP_GET	1	Rte_Call_Sa_MtrDrvDiag_FetFlt1Data_OP_GET	1	✔
Rte_Call_Sa_MtrDrvDiag_FetFlt2Clk_OP_SET	1	Rte_Call_Sa_MtrDrvDiag_FetFlt2Clk_OP_SET	1	✔
GateDrvWaitTime	1	GateDrvWaitTime	1	✔
Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32	1	Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32	1	✔
Rte_Call_Sa_MtrDrvDiag_SystemTime_DtrmnElapsedTime_uS_u16	1	Rte_Call_Sa_MtrDrvDiag_SystemTime_DtrmnElapsedTime_uS_u16	1	✔
Rte_Call_Sa_MtrDrvDiag_FetFlt2Clk_OP_SET	1	Rte_Call_Sa_MtrDrvDiag_FetFlt2Clk_OP_SET	1	✔
GateDrvWaitTime	1	GateDrvWaitTime	1	✔
Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32	1	Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32	1	✔
Rte_Call_Sa_MtrDrvDiag_SystemTime_DtrmnElapsedTime_uS_u16	1	Rte_Call_Sa_MtrDrvDiag_SystemTime_DtrmnElapsedTime_uS_u16	1	✔
Rte_Call_Sa_MtrDrvDiag_FetFlt1Data_OP_GET	1	Rte_Call_Sa_MtrDrvDiag_FetFlt1Data_OP_GET	1	✔
Rte_Call_Sa_MtrDrvDiag_FetFlt2Clk_OP_SET	1	Rte_Call_Sa_MtrDrvDiag_FetFlt2Clk_OP_SET	1	✔
GateDrvWaitTime	1	GateDrvWaitTime	1	✔
Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32	1	Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32	1	✔
Rte_Call_Sa_MtrDrvDiag_SystemTime_DtrmnElapsedTime_uS_u16	1	Rte_Call_Sa_MtrDrvDiag_SystemTime_DtrmnElapsedTime_uS_u16	1	✔
Rte_Call_Sa_MtrDrvDiag_FetFlt2Clk_OP_SET	1	Rte_Call_Sa_MtrDrvDiag_FetFlt2Clk_OP_SET	1	✔
GateDrvWaitTime	1	GateDrvWaitTime	1	✔
Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32	1	Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32	1	✔
Rte_Call_Sa_MtrDrvDiag_SystemTime_DtrmnElapsedTime_uS_u16	1	Rte_Call_Sa_MtrDrvDiag_SystemTime_DtrmnElapsedTime_uS_u16	1	✔
Rte_Call_Sa_MtrDrvDiag_FetFlt1Data_OP_GET	1	Rte_Call_Sa_MtrDrvDiag_FetFlt1Data_OP_GET	1	✔
Rte_Call_Sa_MtrDrvDiag_FetFlt2Clk_OP_SET	1	Rte_Call_Sa_MtrDrvDiag_FetFlt2Clk_OP_SET	1	✔
GateDrvWaitTime	1	GateDrvWaitTime	1	✔
Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32	1	Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32	1	✔
Rte_Call_Sa_MtrDrvDiag_SystemTime_DtrmnElapsedTime_uS_u16	1	Rte_Call_Sa_MtrDrvDiag_SystemTime_DtrmnElapsedTime_uS_u16	1	✔
Rte_Call_Sa_MtrDrvDiag_FetFlt2Clk_OP_SET	1	Rte_Call_Sa_MtrDrvDiag_FetFlt2Clk_OP_SET	1	✔
GateDrvWaitTime	1	GateDrvWaitTime	1	✔
Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32	1	Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32	1	✔
Rte_Call_Sa_MtrDrvDiag_SystemTime_DtrmnElapsedTime_uS_u16	1	Rte_Call_Sa_MtrDrvDiag_SystemTime_DtrmnElapsedTime_uS_u16	1	✔
Rte_Call_Sa_MtrDrvDiag_FetFlt1Data_OP_GET	1	Rte_Call_Sa_MtrDrvDiag_FetFlt1Data_OP_GET	1	✔
Rte_Call_Sa_MtrDrvDiag_FetFlt2Clk_OP_SET	1	Rte_Call_Sa_MtrDrvDiag_FetFlt2Clk_OP_SET	1	✔
GateDrvWaitTime	1	GateDrvWaitTime	1	✔
Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32	1	Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32	1	✔
Rte_Call_Sa_MtrDrvDiag_SystemTime_DtrmnElapsedTime_uS_u16	Count	Rte_Call_Sa_MtrDrvDiag_SystemTime_DtrmnElapsedTime_uS_u16	Count	✔
Rte_Call_Sa_MtrDrvDiag_FetFlt2Clk_OP_SET	1	Rte_Call_Sa_MtrDrvDiag_FetFlt2Clk_OP_SET	1	✔
GateDrvWaitTime	1	GateDrvWaitTime	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_FetFlt1Data_OP_GET	1	Rte_Call_Sa_MtrDrvDiag_FetFlt1Data_OP_GET	1	✔
Rte_Call_Sa_MtrDrvDiag_FetFlt2Clk_OP_SET	1	Rte_Call_Sa_MtrDrvDiag_FetFlt2Clk_OP_SET	1	✔
GateDrvWaitTime	1	GateDrvWaitTime	1	✔
Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32	1	Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32	1	✔
Rte_Call_Sa_MtrDrvDiag_SystemTime_DtrmnElapsedTime_uS_u16	1	Rte_Call_Sa_MtrDrvDiag_SystemTime_DtrmnElapsedTime_uS_u16	1	✔
Rte_Call_Sa_MtrDrvDiag_FetFlt2Clk_OP_SET	1	Rte_Call_Sa_MtrDrvDiag_FetFlt2Clk_OP_SET	1	✔
GateDrvWaitTime	1	GateDrvWaitTime	1	✔
Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32	1	Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32	1	✔
Rte_Call_Sa_MtrDrvDiag_SystemTime_DtrmnElapsedTime_uS_u16	1	Rte_Call_Sa_MtrDrvDiag_SystemTime_DtrmnElapsedTime_uS_u16	1	✔
Rte_Call_Sa_MtrDrvDiag_FetFlt1Data_OP_GET	1	Rte_Call_Sa_MtrDrvDiag_FetFlt1Data_OP_GET	1	✔
Rte_Call_Sa_MtrDrvDiag_FetFlt2Clk_OP_SET	1	Rte_Call_Sa_MtrDrvDiag_FetFlt2Clk_OP_SET	1	✔
GateDrvWaitTime	1	GateDrvWaitTime	1	✔
Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32	1	Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32	1	✔
Rte_Call_Sa_MtrDrvDiag_SystemTime_DtrmnElapsedTime_uS_u16	1	Rte_Call_Sa_MtrDrvDiag_SystemTime_DtrmnElapsedTime_uS_u16	1	✔
Rte_Call_Sa_MtrDrvDiag_FetFlt2Clk_OP_SET	1	Rte_Call_Sa_MtrDrvDiag_FetFlt2Clk_OP_SET	1	✔
GateDrvWaitTime	1	GateDrvWaitTime	1	✔
Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32	1	Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32	1	✔
Rte_Call_Sa_MtrDrvDiag_SystemTime_DtrmnElapsedTime_uS_u16	1	Rte_Call_Sa_MtrDrvDiag_SystemTime_DtrmnElapsedTime_uS_u16	1	✔
Rte_Call_Sa_MtrDrvDiag_FetFlt1Data_OP_GET	1	Rte_Call_Sa_MtrDrvDiag_FetFlt1Data_OP_GET	1	✔
Rte_Call_Sa_MtrDrvDiag_FetFlt2Clk_OP_SET	1	Rte_Call_Sa_MtrDrvDiag_FetFlt2Clk_OP_SET	1	✔
GateDrvWaitTime	1	GateDrvWaitTime	1	✔
Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32	1	Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32	1	✔
Rte_Call_Sa_MtrDrvDiag_SystemTime_DtrmnElapsedTime_uS_u16	1	Rte_Call_Sa_MtrDrvDiag_SystemTime_DtrmnElapsedTime_uS_u16	1	✔
Rte_Call_Sa_MtrDrvDiag_IoHwAbPortConfig_SetFetFlt2ToOutput	1	Rte_Call_Sa_MtrDrvDiag_IoHwAbPortConfig_SetFetFlt2ToOutput	1	✔
Rte_Call_Sa_MtrDrvDiag_NxtrDiagMgr_SetNTCStatus	1	Rte_Call_Sa_MtrDrvDiag_NxtrDiagMgr_SetNTCStatus	1	✔
ResetGateDrive	1	ResetGateDrive	1	✔
SuspendAllInterrupts	1	SuspendAllInterrupts	1	✔
Rte_Call_Sa_MtrDrvDiag_FetDrvReset_OP_SET	1	Rte_Call_Sa_MtrDrvDiag_FetDrvReset_OP_SET	1	✔
GateDrvWaitTime	1	GateDrvWaitTime	1	✔
Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32	1	Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32	1	✔
Rte_Call_Sa_MtrDrvDiag_SystemTime_DtrmnElapsedTime_uS_u16	1	Rte_Call_Sa_MtrDrvDiag_SystemTime_DtrmnElapsedTime_uS_u16	1	✔
Rte_Call_Sa_MtrDrvDiag_FetDrvReset_OP_SET	1	Rte_Call_Sa_MtrDrvDiag_FetDrvReset_OP_SET	1	✔
ResumeAllInterrupts	1	ResumeAllInterrupts	1	✔
Rte_Call_MtrDrvDiag_Per1_CP1_CheckpointReached	1	Rte_Call_MtrDrvDiag_Per1_CP1_CheckpointReached	1	✔

Test Step 2.11 (Repeat Count = 1)	✔

Name	Input Value
Rte_Call_Sa_MtrDrvDiag_FetFlt2Clk_OP_GET(signal)	target_Rte_Call_Sa_MtrDrvDiag_FetFlt2Clk_OP_GET_signal
Rte_Call_Sa_MtrDrvDiag_NxtrDiagMgr_GetNTCFailed(NTCFailed_Ptr_T_lgc)	target_Rte_Call_Sa_MtrDrvDiag_NxtrDiagMgr_GetNTCFailed_NTCFailed_Ptr_T_lgc
Rte_Call_Sa_MtrDrvDiag_SystemTime_DtrmnElapsedTime_mS_u16(ElapsedTime)	target_Rte_Call_Sa_MtrDrvDiag_SystemTime_DtrmnElapsedTime_mS_u16_ElapsedTime
Rte_Call_Sa_MtrDrvDiag_SystemTime_DtrmnElapsedTime_uS_u16(ElapsedTime)	target_Rte_Call_Sa_MtrDrvDiag_SystemTime_DtrmnElapsedTime_uS_u16_ElapsedTime
Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_mS_u32(CurrentTime)	target_Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_mS_u32_CurrentTime
Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32(CurrentTime)	target_Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32_CurrentTime
Rte_Inst_Sa_MtrDrvDiag	target_Rte_Inst_Sa_MtrDrvDiag
SVDiag_FETFaultPhase_Cnt_M_enum	3
SVDiag_FETFaultType_Cnt_M_enum	0
SVDiag_GateDriveFltAcc_Cnt_M_u16	7000
SVDiag_GenGateDriveFltAcc_Cnt_M_u16	100
SVDiag_MtrDrvInitActive_Cnt_M_lgc	0
SVDiag_MtrDrvInitComp_Cnt_M_lgc	1
SVDiag_MtrDrvInitStartTime_mS_M_u32p0	20000
SVDiag_OnStateFltAcc_Cnt_M_u16	0
SVDiag_ResetWaitLoop_Cnt_M_lgc	0
k_GateDriveDiag_Cnt_str.Threshold	45000
k_GateDriveDiag_Cnt_str.PStep	65000
k_GateDriveDiag_Cnt_str.NStep	3333
k_OnStateDiag_Cnt_str.Threshold	14443
k_OnStateDiag_Cnt_str.PStep	23000
k_OnStateDiag_Cnt_str.NStep	1111
target_MtrDrvDiag_Per1_MtrDrvrInitStart_Cnt_lgc.value	1
target_Rte_Call_Sa_MtrDrvDiag_FetFlt2Clk_OP_GET_signal	0
target_Rte_Call_Sa_MtrDrvDiag_NxtrDiagMgr_GetNTCFailed_NTCFailed_Ptr_T_lg	0
target_Rte_Call_Sa_MtrDrvDiag_SystemTime_DtrmnElapsedTime_mS_u16_Elapse	35000
target_Rte_Call_Sa_MtrDrvDiag_SystemTime_DtrmnElapsedTime_uS_u16_Elapse	23100
target_Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_mS_u32_CurrentTi	500000000
target_Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32_CurrentTir	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_GateDriveResetActive_Cnt_lgc		
target_Rte_Inst_Sa_MtrDrvDiag.MtrDrvDiag_Per1_MtrDrvrInitComplete_Cnt_lgc	target_MtrDrvDiag_Per1_MtrDrvrInitComplete_Cnt_lgc		
target_Rte_Inst_Sa_MtrDrvDiag.MtrDrvDiag_Per1_MtrDrvrInitStart_Cnt_lgc	target_MtrDrvDiag_Per1_MtrDrvrInitStart_Cnt_lgc		

Name	Actual Value	Expected Value	Result
SVDiag_FETFaultPhase_Cnt_M_enum	3	3	✔
SVDiag_FETFaultType_Cnt_M_enum	0	0	✔
SVDiag_GateDriveFltAcc_Cnt_M_u16	3667	3667 ± 1	✔
SVDiag_GenGateDriveFltAcc_Cnt_M_u16	100	100 ± 1	✔
SVDiag_MtrDrvInitActive_Cnt_M_lgc	0	0	✔
SVDiag_MtrDrvInitComp_Cnt_M_lgc	1	1	✔
SVDiag_MtrDrvInitStartTime_mS_M_u32p0	20000	20000 ± 1	✔
SVDiag_OnStateFltAcc_Cnt_M_u16	0	0 ± 1	✔
SVDiag_ResetWaitLoop_Cnt_M_lgc	0	0	✔
target_MtrDrvDiag_Per1_FETFaultPhase_Cnt_enum.value	3	3	✔
target_MtrDrvDiag_Per1_FETFaultType_Cnt_enum.value	0	0	✔
target_MtrDrvDiag_Per1_GateDriveResetActive_Cnt_lgc.value	0	0	✔
target_MtrDrvDiag_Per1_MtrDrvrInitComplete_Cnt_lgc.value	1	1	✔
NTC	0x4D	0x4D	✔
Param	0x00	0x00	✔
Status	0x00	0x00	✔
NTC	0x4E	0x4E	✔
Param	0x00	0x00	✔
Status	0x00	0x00	✔
NTC	0x4F	0x4F	✔
Param	0x00	0x00	✔
Status	0x00	0x00	✔

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 2.12 (Repeat Count = 1)		✔
Name	**Input Value**	
Rte_Call_Sa_MtrDrvDiag_FetFlt2Clk_OP_GET(signal)	target_Rte_Call_Sa_MtrDrvDiag_FetFlt2Clk_OP_GET_signal	
Rte_Call_Sa_MtrDrvDiag_NxtrDiagMgr_GetNTCFailed(NTCFailed_Ptr_T_lgc)	target_Rte_Call_Sa_MtrDrvDiag_NxtrDiagMgr_GetNTCFailed_NTCFailed_Ptr_T_lgc	
Rte_Call_Sa_MtrDrvDiag_SystemTime_DtrmnElapsedTime_mS_u16(ElapsedTime)	target_Rte_Call_Sa_MtrDrvDiag_SystemTime_DtrmnElapsedTime_mS_u16_ElapsedTime	
Rte_Call_Sa_MtrDrvDiag_SystemTime_DtrmnElapsedTime_uS_u16(ElapsedTime)	target_Rte_Call_Sa_MtrDrvDiag_SystemTime_DtrmnElapsedTime_uS_u16_ElapsedTime	
Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_mS_u32(CurrentTime)	target_Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_mS_u32_CurrentTime	
Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32(CurrentTime)	target_Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32_CurrentTime	
Rte_Inst_Sa_MtrDrvDiag	target_Rte_Inst_Sa_MtrDrvDiag	
SVDiag_FETFaultPhase_Cnt_M_enum	1	
SVDiag_FETFaultType_Cnt_M_enum	1	
SVDiag_GateDriveFltAcc_Cnt_M_u16	8000	
SVDiag_GenGateDriveFltAcc_Cnt_M_u16	110	
SVDiag_MtrDrvInitActive_Cnt_M_lgc	0	
SVDiag_MtrDrvInitComp_Cnt_M_lgc	1	
SVDiag_MtrDrvInitStartTime_mS_M_u32p0	100000	
SVDiag_OnStateFltAcc_Cnt_M_u16	65535	
SVDiag_ResetWaitLoop_Cnt_M_lgc	0	
k_GateDriveDiag_Cnt_str.Threshold	50000	
k_GateDriveDiag_Cnt_str.PStep	11000	
k_GateDriveDiag_Cnt_str.NStep	4444	
k_OnStateDiag_Cnt_str.Threshold	11000	
k_OnStateDiag_Cnt_str.PStep	24000	
k_OnStateDiag_Cnt_str.NStep	2222	
target_MtrDrvDiag_Per1_MtrDrvrInitStart_Cnt_lgc.value	0	
target_Rte_Call_Sa_MtrDrvDiag_FetFlt2Clk_OP_GET_signal	0	
target_Rte_Call_Sa_MtrDrvDiag_NxtrDiagMgr_GetNTCFailed_NTCFailed_Ptr_T_lgc	1	
target_Rte_Call_Sa_MtrDrvDiag_SystemTime_DtrmnElapsedTime_mS_u16_Elapse	38000	
target_Rte_Call_Sa_MtrDrvDiag_SystemTime_DtrmnElapsedTime_uS_u16_Elapse	24100	
target_Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_mS_u32_CurrentTi	600000000	
target_Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32_CurrentTir	1400000	
target_Rte_Inst_Sa_MtrDrvDiag.MtrDrvDiag_Per1_FETFaultPhase_Cnt_enum	target_MtrDrvDiag_Per1_FETFaultPhase_Cnt_enum	
target_Rte_Inst_Sa_MtrDrvDiag.MtrDrvDiag_Per1_FETFaultType_Cnt_enum	target_MtrDrvDiag_Per1_FETFaultType_Cnt_enum	
target_Rte_Inst_Sa_MtrDrvDiag.MtrDrvDiag_Per1_GateDriveResetActive_Cnt_lgc	target_MtrDrvDiag_Per1_GateDriveResetActive_Cnt_lgc	
target_Rte_Inst_Sa_MtrDrvDiag.MtrDrvDiag_Per1_MtrDrvrInitComplete_Cnt_lgc	target_MtrDrvDiag_Per1_MtrDrvrInitComplete_Cnt_lgc	

Name	Input Value		
target_Rte_Inst_Sa_MtrDrvDiag.MtrDrvDiag_Per1_MtrDrvrInitStart_Cnt_lgc	target_MtrDrvDiag_Per1_MtrDrvrInitStart_Cnt_lgc		

Name	Actual Value	Expected Value	Result
SVDiag_FETFaultPhase_Cnt_M_enum	1	1	✔
SVDiag_FETFaultType_Cnt_M_enum	1	1	✔
SVDiag_GateDriveFltAcc_Cnt_M_u16	3556	3556 ± 1	✔
SVDiag_GenGateDriveFltAcc_Cnt_M_u16	110	110 ± 1	✔
SVDiag_MtrDrvInitActive_Cnt_M_lgc	0	0	✔
SVDiag_MtrDrvInitComp_Cnt_M_lgc	1	1	✔
SVDiag_MtrDrvInitStartTime_mS_M_u32p0	100000	100000 ± 1	✔
SVDiag_OnStateFltAcc_Cnt_M_u16	63313	63313 ± 1	✔
SVDiag_ResetWaitLoop_Cnt_M_lgc	0	0	✔
target_MtrDrvDiag_Per1_FETFaultPhase_Cnt_enum.value	1	1	✔
target_MtrDrvDiag_Per1_FETFaultType_Cnt_enum.value	1	1	✔
target_MtrDrvDiag_Per1_GateDriveResetActive_Cnt_lgc.value	0	0	✔
target_MtrDrvDiag_Per1_MtrDrvrInitComplete_Cnt_lgc.value	1	1	✔
NTC	0x4D	0x4D	✔
Param	0x00	0x00	✔
Status	0x00	0x00	✔
NTC	0x4E	0x4E	✔
Param	0x00	0x00	✔
Status	0x00	0x00	✔
NTC	0x4F	0x4F	✔
Param	0x00	0x00	✔
Status	0x00	0x00	✔

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 2.13 (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	9000
SVDiag_GenGateDriveFltAcc_Cnt_M_u16	120
SVDiag_MtrDrvInitActive_Cnt_M_lgc	1
SVDiag_MtrDrvInitComp_Cnt_M_lgc	1
SVDiag_MtrDrvInitStartTime_mS_M_u32p0	200000
SVDiag_OnStateFltAcc_Cnt_M_u16	3000
SVDiag_ResetWaitLoop_Cnt_M_lgc	0
k_GateDriveDiag_Cnt_str.Threshold	55000
k_GateDriveDiag_Cnt_str.PStep	12000
k_GateDriveDiag_Cnt_str.NStep	5555
k_OnStateDiag_Cnt_str.Threshold	12000
k_OnStateDiag_Cnt_str.PStep	25000
k_OnStateDiag_Cnt_str.NStep	3333
target_MtrDrvDiag_Per1_MtrDrvrInitStart_Cnt_lgc.value	1
target_Rte_Call_Sa_MtrDrvDiag_FetFlt2Clk_OP_GET_signal	0
target_Rte_Call_Sa_MtrDrvDiag_NxtrDiagMgr_GetNTCFailed_NTCFailed_Ptr_T_lg	0
target_Rte_Call_Sa_MtrDrvDiag_SystemTime_DtrmnElapsedTime_mS_u16_Elapse	41000
target_Rte_Call_Sa_MtrDrvDiag_SystemTime_DtrmnElapsedTime_uS_u16_Elapse	25100
target_Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_mS_u32_CurrentTi	700000000
target_Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32_CurrentTir	1500000
target_Rte_Inst_Sa_MtrDrvDiag.MtrDrvDiag_Per1_FETFaultPhase_Cnt_enum	target_MtrDrvDiag_Per1_FETFaultPhase_Cnt_enum
target_Rte_Inst_Sa_MtrDrvDiag.MtrDrvDiag_Per1_FETFaultType_Cnt_enum	target_MtrDrvDiag_Per1_FETFaultType_Cnt_enum
target_Rte_Inst_Sa_MtrDrvDiag.MtrDrvDiag_Per1_GateDriveResetActive_Cnt_lgc	target_MtrDrvDiag_Per1_GateDriveResetActive_Cnt_lgc
target_Rte_Inst_Sa_MtrDrvDiag.MtrDrvDiag_Per1_MtrDrvrInitComplete_Cnt_lgc	target_MtrDrvDiag_Per1_MtrDrvrInitComplete_Cnt_lgc
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	2	2	✔
SVDiag_FETFaultType_Cnt_M_enum	2	2	✔
SVDiag_GateDriveFltAcc_Cnt_M_u16	3445	3445 ± 1	✔
SVDiag_GenGateDriveFltAcc_Cnt_M_u16	120	120 ± 1	✔
SVDiag_MtrDrvInitActive_Cnt_M_lgc	1	1	✔
SVDiag_MtrDrvInitComp_Cnt_M_lgc	1	1	✔
SVDiag_MtrDrvInitStartTime_mS_M_u32p0	200000	200000 ± 1	✔
SVDiag_OnStateFltAcc_Cnt_M_u16	0	0 ± 1	✔
SVDiag_ResetWaitLoop_Cnt_M_lgc	0	0	✔
target_MtrDrvDiag_Per1_FETFaultPhase_Cnt_enum.value	2	2	✔
target_MtrDrvDiag_Per1_FETFaultType_Cnt_enum.value	2	2	✔
target_MtrDrvDiag_Per1_GateDriveResetActive_Cnt_lgc.value	0	0	✔
target_MtrDrvDiag_Per1_MtrDrvrInitComplete_Cnt_lgc.value	1	1	✔
NTC	0x4D	0x4D	✔
Param	0x00	0x00	✔
Status	0x00	0x00	✔
NTC	0x4E	0x4E	✔
Param	0x00	0x00	✔
Status	0x00	0x00	✔
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	✔	
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 2.14 (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	10000
SVDiag_GenGateDriveFltAcc_Cnt_M_u16	130
SVDiag_MtrDrvInitActive_Cnt_M_lgc	1
SVDiag_MtrDrvInitComp_Cnt_M_lgc	1
SVDiag_MtrDrvInitStartTime_mS_M_u32p0	300000
SVDiag_OnStateFltAcc_Cnt_M_u16	14100
SVDiag_ResetWaitLoop_Cnt_M_lgc	0
k_GateDriveDiag_Cnt_str.Threshold	60000
k_GateDriveDiag_Cnt_str.PStep	13000
k_GateDriveDiag_Cnt_str.NStep	0
k_OnStateDiag_Cnt_str.Threshold	13000
k_OnStateDiag_Cnt_str.PStep	26000
k_OnStateDiag_Cnt_str.NStep	4444
target_MtrDrvDiag_Per1_MtrDrvrInitStart_Cnt_lgc.value	1
target_Rte_Call_Sa_MtrDrvDiag_FetFlt2Clk_OP_GET_signal	0
target_Rte_Call_Sa_MtrDrvDiag_NxtrDiagMgr_GetNTCFailed_NTCFailed_Ptr_T_lg	1
target_Rte_Call_Sa_MtrDrvDiag_SystemTime_DtrmnElapsedTime_mS_u16_Elapse	44000
target_Rte_Call_Sa_MtrDrvDiag_SystemTime_DtrmnElapsedTime_uS_u16_Elapse	26100
target_Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_mS_u32_CurrentTi	800000000
target_Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32_CurrentTir	1600000
target_Rte_Inst_Sa_MtrDrvDiag.MtrDrvDiag_Per1_FETFaultPhase_Cnt_enum	target_MtrDrvDiag_Per1_FETFaultPhase_Cnt_enum
target_Rte_Inst_Sa_MtrDrvDiag.MtrDrvDiag_Per1_FETFaultType_Cnt_enum	target_MtrDrvDiag_Per1_FETFaultType_Cnt_enum
target_Rte_Inst_Sa_MtrDrvDiag.MtrDrvDiag_Per1_GateDriveResetActive_Cnt_lgc	target_MtrDrvDiag_Per1_GateDriveResetActive_Cnt_lgc
target_Rte_Inst_Sa_MtrDrvDiag.MtrDrvDiag_Per1_MtrDrvrInitComplete_Cnt_lgc	target_MtrDrvDiag_Per1_MtrDrvrInitComplete_Cnt_lgc
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	3	3	✔
SVDiag_FETFaultType_Cnt_M_enum	0	0	✔
SVDiag_GateDriveFltAcc_Cnt_M_u16	10000	10000 ± 1	✔
SVDiag_GenGateDriveFltAcc_Cnt_M_u16	130	130 ± 1	✔
SVDiag_MtrDrvInitActive_Cnt_M_lgc	1	1	✔
SVDiag_MtrDrvInitComp_Cnt_M_lgc	1	1	✔
SVDiag_MtrDrvInitStartTime_mS_M_u32p0	300000	300000 ± 1	✔
SVDiag_OnStateFltAcc_Cnt_M_u16	9656	9656 ± 1	✔
SVDiag_ResetWaitLoop_Cnt_M_lgc	0	0	✔
target_MtrDrvDiag_Per1_FETFaultPhase_Cnt_enum.value	3	3	✔
target_MtrDrvDiag_Per1_FETFaultType_Cnt_enum.value	0	0	✔
target_MtrDrvDiag_Per1_GateDriveResetActive_Cnt_lgc.value	0	0	✔
target_MtrDrvDiag_Per1_MtrDrvrInitComplete_Cnt_lgc.value	1	1	✔
NTC	0x4D	0x4D	✔
Param	0x00	0x00	✔
Status	0x00	0x00	✔
NTC	0x4E	0x4E	✔
Param	0x00	0x00	✔
Status	0x00	0x00	✔
NTC	0x4F	0x4F	✔
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	✔
Rte_Call_Sa_MtrDrvDiag_FetFlt2Clk_OP_GET	1	Rte_Call_Sa_MtrDrvDiag_FetFlt2Clk_OP_GET	1	✔
Rte_Call_Sa_MtrDrvDiag_NxtrDiagMgr_SetNTCStatus	3	Rte_Call_Sa_MtrDrvDiag_NxtrDiagMgr_SetNTCStatus	3	✔
Rte_Call_MtrDrvDiag_Per1_CP1_CheckpointReached	1	Rte_Call_MtrDrvDiag_Per1_CP1_CheckpointReached	1	✔

Test Step 2.15 (Repeat Count = 1) ✔

Name	Input Value
Rte_Call_Sa_MtrDrvDiag_FetFlt2Clk_OP_GET(signal)	target_Rte_Call_Sa_MtrDrvDiag_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
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_lgc	0
target_Rte_Call_Sa_MtrDrvDiag_SystemTime_DtrmnElapsedTime_mS_u16_Elapse	47000
target_Rte_Call_Sa_MtrDrvDiag_SystemTime_DtrmnElapsedTime_uS_u16_Elapse	2222
target_Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_mS_u32_CurrentTi	900000000
target_Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32_CurrentTir	1700000
target_Rte_Inst_Sa_MtrDrvDiag.MtrDrvDiag_Per1_FETFaultPhase_Cnt_enum	target_MtrDrvDiag_Per1_FETFaultPhase_Cnt_enum
target_Rte_Inst_Sa_MtrDrvDiag.MtrDrvDiag_Per1_FETFaultType_Cnt_enum	target_MtrDrvDiag_Per1_FETFaultType_Cnt_enum
target_Rte_Inst_Sa_MtrDrvDiag.MtrDrvDiag_Per1_GateDriveResetActive_Cnt_lgc	target_MtrDrvDiag_Per1_GateDriveResetActive_Cnt_lgc
target_Rte_Inst_Sa_MtrDrvDiag.MtrDrvDiag_Per1_MtrDrvrInitComplete_Cnt_lgc	target_MtrDrvDiag_Per1_MtrDrvrInitComplete_Cnt_lgc
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	✔
SVDiag_GateDriveFltAcc_Cnt_M_u16	0	0 ± 1	✔
SVDiag_GenGateDriveFltAcc_Cnt_M_u16	140	140 ± 1	✔
SVDiag_MtrDrvInitActive_Cnt_M_lgc	0	0	✔
SVDiag_MtrDrvInitComp_Cnt_M_lgc	1	1	✔
SVDiag_MtrDrvInitStartTime_mS_M_u32p0	400000	400000 ± 1	✔
SVDiag_OnStateFltAcc_Cnt_M_u16	9545	9545 ± 1	✔
SVDiag_ResetWaitLoop_Cnt_M_lgc	0	0	✔
target_MtrDrvDiag_Per1_FETFaultPhase_Cnt_enum.value	0	0	✔
target_MtrDrvDiag_Per1_FETFaultType_Cnt_enum.value	1	1	✔
target_MtrDrvDiag_Per1_GateDriveResetActive_Cnt_lgc.value	0	0	✔
target_MtrDrvDiag_Per1_MtrDrvrInitComplete_Cnt_lgc.value	1	1	✔
NTC	0x4D	0x4D	✔
Param	0x00	0x00	✔
Status	0x00	0x00	✔
NTC	0x4E	0x4E	✔
Param	0x00	0x00	✔
Status	0x00	0x00	✔
NTC	0x4F	0x4F	✔
Param	0x00	0x00	✔
Status	0x00	0x00	✔

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_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	12000
SVDiag_GenGateDriveFltAcc_Cnt_M_u16	150
SVDiag_MtrDrvInitActive_Cnt_M_lgc	1
SVDiag_MtrDrvInitComp_Cnt_M_lgc	1
SVDiag_MtrDrvInitStartTime_mS_M_u32p0	500000
SVDiag_OnStateFltAcc_Cnt_M_u16	16100
SVDiag_ResetWaitLoop_Cnt_M_lgc	0
k_GateDriveDiag_Cnt_str.Threshold	11111
k_GateDriveDiag_Cnt_str.PStep	15000
k_GateDriveDiag_Cnt_str.NStep	3000
k_OnStateDiag_Cnt_str.Threshold	15000
k_OnStateDiag_Cnt_str.PStep	28000
k_OnStateDiag_Cnt_str.NStep	6666
target_MtrDrvDiag_Per1_MtrDrvrInitStart_Cnt_lgc.value	1
target_Rte_Call_Sa_MtrDrvDiag_FetFlt2Clk_OP_GET_signal	0
target_Rte_Call_Sa_MtrDrvDiag_NxtrDiagMgr_GetNTCFailed_NTCFailed_Ptr_T_lg	1
target_Rte_Call_Sa_MtrDrvDiag_SystemTime_DtrmnElapsedTime_mS_u16_Elapse	50000
target_Rte_Call_Sa_MtrDrvDiag_SystemTime_DtrmnElapsedTime_uS_u16_Elapse	3333
target_Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_mS_u32_CurrentTi	15000000
target_Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32_CurrentTir	1800000
target_Rte_Inst_Sa_MtrDrvDiag.MtrDrvDiag_Per1_FETFaultPhase_Cnt_enum	target_MtrDrvDiag_Per1_FETFaultPhase_Cnt_enum
target_Rte_Inst_Sa_MtrDrvDiag.MtrDrvDiag_Per1_FETFaultType_Cnt_enum	target_MtrDrvDiag_Per1_FETFaultType_Cnt_enum
target_Rte_Inst_Sa_MtrDrvDiag.MtrDrvDiag_Per1_GateDriveResetActive_Cnt_lgc	target_MtrDrvDiag_Per1_GateDriveResetActive_Cnt_lgc
target_Rte_Inst_Sa_MtrDrvDiag.MtrDrvDiag_Per1_MtrDrvrInitComplete_Cnt_lgc	target_MtrDrvDiag_Per1_MtrDrvrInitComplete_Cnt_lgc
target_Rte_Inst_Sa_MtrDrvDiag.MtrDrvDiag_Per1_MtrDrvrInitStart_Cnt_lgc	target_MtrDrvDiag_Per1_MtrDrvrInitStart_Cnt_lgc

Name	Actual Value	Expected Value	Result
SVDiag_FETFaultPhase_Cnt_M_enum	1	1	✔
SVDiag_FETFaultType_Cnt_M_enum	1	1	✔
SVDiag_GateDriveFltAcc_Cnt_M_u16	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	✔
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	✔
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_NxtrDiagMgr_GetNTCFailed_NTCFailed_Ptr_T_lgc
Rte_Call_Sa_MtrDrvDiag_SystemTime_DtrmnElapsedTime_mS_u16(ElapsedTime)	target_Rte_Call_Sa_MtrDrvDiag_SystemTime_DtrmnElapsedTime_mS_u16_ElapsedTime
Rte_Call_Sa_MtrDrvDiag_SystemTime_DtrmnElapsedTime_uS_u16(ElapsedTime)	target_Rte_Call_Sa_MtrDrvDiag_SystemTime_DtrmnElapsedTime_uS_u16_ElapsedTime
Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_mS_u32(CurrentTime)	target_Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_mS_u32_CurrentTime
Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32(CurrentTime)	target_Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32_CurrentTime
Rte_Inst_Sa_MtrDrvDiag	target_Rte_Inst_Sa_MtrDrvDiag
SVDiag_FETFaultPhase_Cnt_M_enum	2
SVDiag_FETFaultType_Cnt_M_enum	0
SVDiag_GateDriveFltAcc_Cnt_M_u16	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_Elapse	53000
target_Rte_Call_Sa_MtrDrvDiag_SystemTime_DtrmnElapsedTime_uS_u16_Elapse	4444
target_Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_mS_u32_CurrentTi	20000000
target_Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32_CurrentTir	1900000
target_Rte_Inst_Sa_MtrDrvDiag.MtrDrvDiag_Per1_FETFaultPhase_Cnt_enum	target_MtrDrvDiag_Per1_FETFaultPhase_Cnt_enum
target_Rte_Inst_Sa_MtrDrvDiag.MtrDrvDiag_Per1_FETFaultType_Cnt_enum	target_MtrDrvDiag_Per1_FETFaultType_Cnt_enum
target_Rte_Inst_Sa_MtrDrvDiag.MtrDrvDiag_Per1_GateDriveResetActive_Cnt_lgc	target_MtrDrvDiag_Per1_GateDriveResetActive_Cnt_lgc
target_Rte_Inst_Sa_MtrDrvDiag.MtrDrvDiag_Per1_MtrDrvrInitComplete_Cnt_lgc	target_MtrDrvDiag_Per1_MtrDrvrInitComplete_Cnt_lgc
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	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	✔
SVDiag_MtrDrvInitStartTime_mS_M_u32p0	600000	600000 ± 1	✔
SVDiag_OnStateFltAcc_Cnt_M_u16	17100	17100 ± 1	✔
SVDiag_ResetWaitLoop_Cnt_M_lgc	0	0	✔
target_MtrDrvDiag_Per1_FETFaultPhase_Cnt_enum.value	2	2	✔
target_MtrDrvDiag_Per1_FETFaultType_Cnt_enum.value	0	0	✔
target_MtrDrvDiag_Per1_GateDriveResetActive_Cnt_lgc.value	0	0	✔
target_MtrDrvDiag_Per1_MtrDrvrInitComplete_Cnt_lgc.value	1	1	✔
NTC	0x4D	0x4D	✔
Param	0x00	0x00	✔
Status	0x00	0x00	✔
NTC	0x4E	0x4E	✔
Param	0x00	0x00	✔
Status	0x00	0x00	✔
NTC	0x4F	0x4F	✔
Param	0x00	0x00	✔
Status	0x00	0x00	✔

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 2.18 (Repeat Count = 1)

Name	Input Value
Rte_Call_Sa_MtrDrvDiag_FetFlt2Clk_OP_GET(signal)	target_Rte_Call_Sa_MtrDrvDiag_FetFlt2Clk_OP_GET_signal
Rte_Call_Sa_MtrDrvDiag_NxtrDiagMgr_GetNTCFailed(NTCFailed_Ptr_T_lgc)	target_Rte_Call_Sa_MtrDrvDiag_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	2
SVDiag_GateDriveFltAcc_Cnt_M_u16	14000
SVDiag_GenGateDriveFltAcc_Cnt_M_u16	170
SVDiag_MtrDrvInitActive_Cnt_M_lgc	1
SVDiag_MtrDrvInitComp_Cnt_M_lgc	1
SVDiag_MtrDrvInitStartTime_mS_M_u32p0	700000
SVDiag_OnStateFltAcc_Cnt_M_u16	65535
SVDiag_ResetWaitLoop_Cnt_M_lgc	0
k_GateDriveDiag_Cnt_str.Threshold	33333
k_GateDriveDiag_Cnt_str.PStep	17000
k_GateDriveDiag_Cnt_str.NStep	11110
k_OnStateDiag_Cnt_str.Threshold	17000
k_OnStateDiag_Cnt_str.PStep	30000
k_OnStateDiag_Cnt_str.NStep	65535
target_MtrDrvDiag_Per1_MtrDrvrInitStart_Cnt_lgc.value	1
target_Rte_Call_Sa_MtrDrvDiag_FetFlt2Clk_OP_GET_signal	0
target_Rte_Call_Sa_MtrDrvDiag_NxtrDiagMgr_GetNTCFailed_NTCFailed_Ptr_T_lg(	1
target_Rte_Call_Sa_MtrDrvDiag_SystemTime_DtrmnElapsedTime_mS_u16_Elapse	56000
target_Rte_Call_Sa_MtrDrvDiag_SystemTime_DtrmnElapsedTime_uS_u16_Elapse	5555
target_Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_mS_u32_CurrentTi	25000000
target_Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32_CurrentTir	2000000
target_Rte_Inst_Sa_MtrDrvDiag.MtrDrvDiag_Per1_FETFaultPhase_Cnt_enum	target_MtrDrvDiag_Per1_FETFaultPhase_Cnt_enum
target_Rte_Inst_Sa_MtrDrvDiag.MtrDrvDiag_Per1_FETFaultType_Cnt_enum	target_MtrDrvDiag_Per1_FETFaultType_Cnt_enum
target_Rte_Inst_Sa_MtrDrvDiag.MtrDrvDiag_Per1_GateDriveResetActive_Cnt_lgc	target_MtrDrvDiag_Per1_GateDriveResetActive_Cnt_lgc
target_Rte_Inst_Sa_MtrDrvDiag.MtrDrvDiag_Per1_MtrDrvrInitComplete_Cnt_lgc	target_MtrDrvDiag_Per1_MtrDrvrInitComplete_Cnt_lgc
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	3	3	✔
SVDiag_FETFaultType_Cnt_M_enum	2	2	✔
SVDiag_GateDriveFltAcc_Cnt_M_u16	2890	2890 ± 1	✔
SVDiag_GenGateDriveFltAcc_Cnt_M_u16	170	170 ± 1	✔
SVDiag_MtrDrvInitActive_Cnt_M_lgc	1	1	✔
SVDiag_MtrDrvInitComp_Cnt_M_lgc	1	1	✔
SVDiag_MtrDrvInitStartTime_mS_M_u32p0	700000	700000 ± 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	2	2	✔
target_MtrDrvDiag_Per1_GateDriveResetActive_Cnt_lgc.value	0	0	✔
target_MtrDrvDiag_Per1_MtrDrvrInitComplete_Cnt_lgc.value	1	1	✔
NTC	0x4D	0x4D	✔
Param	0x00	0x00	✔
Status	0x00	0x00	✔
NTC	0x4E	0x4E	✔
Param	0x00	0x00	✔
Status	0x00	0x00	✔
NTC	0x4F	0x4F	✔
Param	0x00	0x00	✔
Status	0x00	0x00	✔

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 2.19 (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_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	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	1
target_Rte_Call_Sa_MtrDrvDiag_SystemTime_DtrmnElapsedTime_mS_u16_Elapse	59000
target_Rte_Call_Sa_MtrDrvDiag_SystemTime_DtrmnElapsedTime_uS_u16_Elapse	6666
target_Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_mS_u32_CurrentTi	30000000
target_Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32_CurrentTir	2100000
target_Rte_Inst_Sa_MtrDrvDiag.MtrDrvDiag_Per1_FETFaultPhase_Cnt_enum	target_MtrDrvDiag_Per1_FETFaultPhase_Cnt_enum
target_Rte_Inst_Sa_MtrDrvDiag.MtrDrvDiag_Per1_FETFaultType_Cnt_enum	target_MtrDrvDiag_Per1_FETFaultType_Cnt_enum
target_Rte_Inst_Sa_MtrDrvDiag.MtrDrvDiag_Per1_GateDriveResetActive_Cnt_lgc	target_MtrDrvDiag_Per1_GateDriveResetActive_Cnt_lgc
target_Rte_Inst_Sa_MtrDrvDiag.MtrDrvDiag_Per1_MtrDrvrInitComplete_Cnt_lgc	target_MtrDrvDiag_Per1_MtrDrvrInitComplete_Cnt_lgc
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	2	2	✔
SVDiag_FETFaultType_Cnt_M_enum	2	2	✔
SVDiag_GateDriveFltAcc_Cnt_M_u16	2779	2779 ± 1	✔
SVDiag_GenGateDriveFltAcc_Cnt_M_u16	180	180 ± 1	✔
SVDiag_MtrDrvInitActive_Cnt_M_lgc	0	0	✔
SVDiag_MtrDrvInitComp_Cnt_M_lgc	1	1	✔
SVDiag_MtrDrvInitStartTime_mS_M_u32p0	800000	800000 ± 1	✔
SVDiag_OnStateFltAcc_Cnt_M_u16	16100	16100 ± 1	✔
SVDiag_ResetWaitLoop_Cnt_M_lgc	0	0	✔
target_MtrDrvDiag_Per1_FETFaultPhase_Cnt_enum.value	2	2	✔
target_MtrDrvDiag_Per1_FETFaultType_Cnt_enum.value	2	2	✔
target_MtrDrvDiag_Per1_GateDriveResetActive_Cnt_lgc.value	0	0	✔
target_MtrDrvDiag_Per1_MtrDrvrInitComplete_Cnt_lgc.value	1	1	✔
NTC	0x4D	0x4D	✔
Param	0x00	0x00	✔
Status	0x00	0x00	✔
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	✔
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 2.20 (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_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	2
SVDiag_GateDriveFltAcc_Cnt_M_u16	16000
SVDiag_GenGateDriveFltAcc_Cnt_M_u16	190
SVDiag_MtrDrvInitActive_Cnt_M_lgc	1
SVDiag_MtrDrvInitComp_Cnt_M_lgc	1
SVDiag_MtrDrvInitStartTime_mS_M_u32p0	900000
SVDiag_OnStateFltAcc_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	11110
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_Elapse	62000
target_Rte_Call_Sa_MtrDrvDiag_SystemTime_DtrmnElapsedTime_uS_u16_Elapse	7777
target_Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_mS_u32_CurrentTi	35000000
target_Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32_CurrentTir	2200000
target_Rte_Inst_Sa_MtrDrvDiag.MtrDrvDiag_Per1_FETFaultPhase_Cnt_enum	target_MtrDrvDiag_Per1_FETFaultPhase_Cnt_enum
target_Rte_Inst_Sa_MtrDrvDiag.MtrDrvDiag_Per1_FETFaultType_Cnt_enum	target_MtrDrvDiag_Per1_FETFaultType_Cnt_enum
target_Rte_Inst_Sa_MtrDrvDiag.MtrDrvDiag_Per1_GateDriveResetActive_Cnt_lgc	target_MtrDrvDiag_Per1_GateDriveResetActive_Cnt_lgc
target_Rte_Inst_Sa_MtrDrvDiag.MtrDrvDiag_Per1_MtrDrvrInitComplete_Cnt_lgc	target_MtrDrvDiag_Per1_MtrDrvrInitComplete_Cnt_lgc
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	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	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	✔
ReadMtrDrvFltData	1	ReadMtrDrvFltData	1	✔
Rte_Call_Sa_MtrDrvDiag_IoHwAbPortConfig_SetFetFlt2ToOutput	1	Rte_Call_Sa_MtrDrvDiag_IoHwAbPortConfig_SetFetFlt2ToOutput	1	✔
Rte_Call_Sa_MtrDrvDiag_FetFlt2Clk_OP_SET	1	Rte_Call_Sa_MtrDrvDiag_FetFlt2Clk_OP_SET	1	✔
GateDrvWaitTime	1	GateDrvWaitTime	1	✔
Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32	1	Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32	1	✔
Rte_Call_Sa_MtrDrvDiag_SystemTime_DtrmnElapsedTime_uS_u16	1	Rte_Call_Sa_MtrDrvDiag_SystemTime_DtrmnElapsedTime_uS_u16	1	✔
Rte_Call_Sa_MtrDrvDiag_FetFlt1Data_OP_GET	1	Rte_Call_Sa_MtrDrvDiag_FetFlt1Data_OP_GET	1	✔
Rte_Call_Sa_MtrDrvDiag_FetFlt2Clk_OP_SET	1	Rte_Call_Sa_MtrDrvDiag_FetFlt2Clk_OP_SET	1	✔
GateDrvWaitTime	1	GateDrvWaitTime	1	✔
Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32	1	Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32	1	✔
Rte_Call_Sa_MtrDrvDiag_SystemTime_DtrmnElapsedTime_uS_u16	1	Rte_Call_Sa_MtrDrvDiag_SystemTime_DtrmnElapsedTime_uS_u16	1	✔
Rte_Call_Sa_MtrDrvDiag_FetFlt2Clk_OP_SET	1	Rte_Call_Sa_MtrDrvDiag_FetFlt2Clk_OP_SET	1	✔
GateDrvWaitTime	1	GateDrvWaitTime	1	✔
Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32	1	Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32	1	✔
Rte_Call_Sa_MtrDrvDiag_SystemTime_DtrmnElapsedTime_uS_u16	1	Rte_Call_Sa_MtrDrvDiag_SystemTime_DtrmnElapsedTime_uS_u16	1	✔
Rte_Call_Sa_MtrDrvDiag_FetFlt1Data_OP_GET	1	Rte_Call_Sa_MtrDrvDiag_FetFlt1Data_OP_GET	1	✔
Rte_Call_Sa_MtrDrvDiag_FetFlt2Clk_OP_SET	1	Rte_Call_Sa_MtrDrvDiag_FetFlt2Clk_OP_SET	1	✔
GateDrvWaitTime	1	GateDrvWaitTime	1	✔
Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32	1	Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32	1	✔
Rte_Call_Sa_MtrDrvDiag_SystemTime_DtrmnElapsedTime_uS_u16	1	Rte_Call_Sa_MtrDrvDiag_SystemTime_DtrmnElapsedTime_uS_u16	1	✔
Rte_Call_Sa_MtrDrvDiag_FetFlt2Clk_OP_SET	1	Rte_Call_Sa_MtrDrvDiag_FetFlt2Clk_OP_SET	1	✔
GateDrvWaitTime	1	GateDrvWaitTime	1	✔
Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32	1	Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32	1	✔
Rte_Call_Sa_MtrDrvDiag_SystemTime_DtrmnElapsedTime_uS_u16	1	Rte_Call_Sa_MtrDrvDiag_SystemTime_DtrmnElapsedTime_uS_u16	1	✔
Rte_Call_Sa_MtrDrvDiag_FetFlt1Data_OP_GET	1	Rte_Call_Sa_MtrDrvDiag_FetFlt1Data_OP_GET	1	✔
Rte_Call_Sa_MtrDrvDiag_FetFlt2Clk_OP_SET	1	Rte_Call_Sa_MtrDrvDiag_FetFlt2Clk_OP_SET	1	✔
GateDrvWaitTime	1	GateDrvWaitTime	1	✔
Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32	1	Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32	1	✔
Rte_Call_Sa_MtrDrvDiag_SystemTime_DtrmnElapsedTime_uS_u16	1	Rte_Call_Sa_MtrDrvDiag_SystemTime_DtrmnElapsedTime_uS_u16	1	✔
Rte_Call_Sa_MtrDrvDiag_FetFlt2Clk_OP_SET	1	Rte_Call_Sa_MtrDrvDiag_FetFlt2Clk_OP_SET	1	✔
GateDrvWaitTime	1	GateDrvWaitTime	1	✔
Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32	1	Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32	1	✔
Rte_Call_Sa_MtrDrvDiag_SystemTime_DtrmnElapsedTime_uS_u16	1	Rte_Call_Sa_MtrDrvDiag_SystemTime_DtrmnElapsedTime_uS_u16	1	✔
Rte_Call_Sa_MtrDrvDiag_FetFlt1Data_OP_GET	1	Rte_Call_Sa_MtrDrvDiag_FetFlt1Data_OP_GET	1	✔
Rte_Call_Sa_MtrDrvDiag_FetFlt2Clk_OP_SET	1	Rte_Call_Sa_MtrDrvDiag_FetFlt2Clk_OP_SET	1	✔
GateDrvWaitTime	1	GateDrvWaitTime	1	✔
Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32	1	Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32	1	✔
Rte_Call_Sa_MtrDrvDiag_SystemTime_DtrmnElapsedTime_uS_u16	1	Rte_Call_Sa_MtrDrvDiag_SystemTime_DtrmnElapsedTime_uS_u16	1	✔
Rte_Call_Sa_MtrDrvDiag_FetFlt2Clk_OP_SET	1	Rte_Call_Sa_MtrDrvDiag_FetFlt2Clk_OP_SET	1	✔
GateDrvWaitTime	1	GateDrvWaitTime	1	✔
Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32	1	Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32	1	✔
Rte_Call_Sa_MtrDrvDiag_SystemTime_DtrmnElapsedTime_uS_u16	1	Rte_Call_Sa_MtrDrvDiag_SystemTime_DtrmnElapsedTime_uS_u16	1	✔
Rte_Call_Sa_MtrDrvDiag_FetFlt1Data_OP_GET	1	Rte_Call_Sa_MtrDrvDiag_FetFlt1Data_OP_GET	1	✔
Rte_Call_Sa_MtrDrvDiag_FetFlt2Clk_OP_SET	1	Rte_Call_Sa_MtrDrvDiag_FetFlt2Clk_OP_SET	1	✔
GateDrvWaitTime	1	GateDrvWaitTime	1	✔
Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32	1	Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32	1	✔
Rte_Call_Sa_MtrDrvDiag_SystemTime_DtrmnElapsedTime_uS_u16	1	Rte_Call_Sa_MtrDrvDiag_SystemTime_DtrmnElapsedTime_uS_u16	1	✔
Rte_Call_Sa_MtrDrvDiag_FetFlt2Clk_OP_SET	1	Rte_Call_Sa_MtrDrvDiag_FetFlt2Clk_OP_SET	1	✔
GateDrvWaitTime	1	GateDrvWaitTime	1	✔
Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32	1	Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32	1	✔
Rte_Call_Sa_MtrDrvDiag_SystemTime_DtrmnElapsedTime_uS_u16	1	Rte_Call_Sa_MtrDrvDiag_SystemTime_DtrmnElapsedTime_uS_u16	1	✔
Rte_Call_Sa_MtrDrvDiag_FetFlt1Data_OP_GET	1	Rte_Call_Sa_MtrDrvDiag_FetFlt1Data_OP_GET	1	✔
Rte_Call_Sa_MtrDrvDiag_FetFlt2Clk_OP_SET	1	Rte_Call_Sa_MtrDrvDiag_FetFlt2Clk_OP_SET	1	✔
GateDrvWaitTime	1	GateDrvWaitTime	1	✔
Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32	1	Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32	1	✔
Rte_Call_Sa_MtrDrvDiag_SystemTime_DtrmnElapsedTime_uS_u16	1	Rte_Call_Sa_MtrDrvDiag_SystemTime_DtrmnElapsedTime_uS_u16	1	✔
Rte_Call_Sa_MtrDrvDiag_FetFlt2Clk_OP_SET	1	Rte_Call_Sa_MtrDrvDiag_FetFlt2Clk_OP_SET	1	✔
GateDrvWaitTime	1	GateDrvWaitTime	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_FetFlt1Data_OP_GET	1	Rte_Call_Sa_MtrDrvDiag_FetFlt1Data_OP_GET	1	✔
Rte_Call_Sa_MtrDrvDiag_FetFlt2Clk_OP_SET	1	Rte_Call_Sa_MtrDrvDiag_FetFlt2Clk_OP_SET	1	✔
GateDrvWaitTime	1	GateDrvWaitTime	1	✔
Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32	1	Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32	1	✔
Rte_Call_Sa_MtrDrvDiag_SystemTime_DtrmnElapsedTime_uS_u16	1	Rte_Call_Sa_MtrDrvDiag_SystemTime_DtrmnElapsedTime_uS_u16	1	✔
Rte_Call_Sa_MtrDrvDiag_FetFlt2Clk_OP_SET	1	Rte_Call_Sa_MtrDrvDiag_FetFlt2Clk_OP_SET	1	✔
GateDrvWaitTime	1	GateDrvWaitTime	1	✔
Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32	1	Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32	1	✔
Rte_Call_Sa_MtrDrvDiag_SystemTime_DtrmnElapsedTime_uS_u16	1	Rte_Call_Sa_MtrDrvDiag_SystemTime_DtrmnElapsedTime_uS_u16	1	✔
Rte_Call_Sa_MtrDrvDiag_FetFlt1Data_OP_GET	1	Rte_Call_Sa_MtrDrvDiag_FetFlt1Data_OP_GET	1	✔
Rte_Call_Sa_MtrDrvDiag_FetFlt2Clk_OP_SET	1	Rte_Call_Sa_MtrDrvDiag_FetFlt2Clk_OP_SET	1	✔
GateDrvWaitTime	1	GateDrvWaitTime	1	✔
Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32	1	Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32	1	✔
Rte_Call_Sa_MtrDrvDiag_SystemTime_DtrmnElapsedTime_uS_u16	1	Rte_Call_Sa_MtrDrvDiag_SystemTime_DtrmnElapsedTime_uS_u16	1	✔
Rte_Call_Sa_MtrDrvDiag_FetFlt2Clk_OP_SET	1	Rte_Call_Sa_MtrDrvDiag_FetFlt2Clk_OP_SET	1	✔
GateDrvWaitTime	1	GateDrvWaitTime	1	✔
Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32	1	Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32	1	✔
Rte_Call_Sa_MtrDrvDiag_SystemTime_DtrmnElapsedTime_uS_u16	1	Rte_Call_Sa_MtrDrvDiag_SystemTime_DtrmnElapsedTime_uS_u16	1	✔
Rte_Call_Sa_MtrDrvDiag_FetFlt1Data_OP_GET	1	Rte_Call_Sa_MtrDrvDiag_FetFlt1Data_OP_GET	1	✔
Rte_Call_Sa_MtrDrvDiag_FetFlt2Clk_OP_SET	1	Rte_Call_Sa_MtrDrvDiag_FetFlt2Clk_OP_SET	1	✔
GateDrvWaitTime	1	GateDrvWaitTime	1	✔
Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32	1	Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_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_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_Elapse	65000
target_Rte_Call_Sa_MtrDrvDiag_SystemTime_DtrmnElapsedTime_uS_u16_Elapse	8888
target_Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_mS_u32_CurrentTi	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_GateDriveResetActive_Cnt_lgc		
target_Rte_Inst_Sa_MtrDrvDiag.MtrDrvDiag_Per1_MtrDrvrInitComplete_Cnt_lgc	target_MtrDrvDiag_Per1_MtrDrvrInitComplete_Cnt_lgc		
target_Rte_Inst_Sa_MtrDrvDiag.MtrDrvDiag_Per1_MtrDrvrInitStart_Cnt_lgc	target_MtrDrvDiag_Per1_MtrDrvrInitStart_Cnt_lgc		

Name	Actual Value	Expected Value	Result
SVDiag_FETFaultPhase_Cnt_M_enum	1	1	✔
SVDiag_FETFaultType_Cnt_M_enum	1	1	✔
SVDiag_GateDriveFltAcc_Cnt_M_u16	17000	17000 ± 1	✔
SVDiag_GenGateDriveFltAcc_Cnt_M_u16	85	85 ± 1	✔
SVDiag_MtrDrvInitActive_Cnt_M_lgc	1	1	✔
SVDiag_MtrDrvInitComp_Cnt_M_lgc	1	1	✔
SVDiag_MtrDrvInitStartTime_mS_M_u32p0	1000000	1000000 ± 1	✔
SVDiag_OnStateFltAcc_Cnt_M_u16	21100	21100 ± 1	✔
SVDiag_ResetWaitLoop_Cnt_M_lgc	0	0	✔
target_MtrDrvDiag_Per1_FETFaultPhase_Cnt_enum.value	1	1	✔
target_MtrDrvDiag_Per1_FETFaultType_Cnt_enum.value	1	1	✔
target_MtrDrvDiag_Per1_GateDriveResetActive_Cnt_lgc.value	0	0	✔
target_MtrDrvDiag_Per1_MtrDrvrInitComplete_Cnt_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	✔
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 2.22 (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	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		
k_GateDriveDiag_Cnt_str.Threshold	3000		
k_GateDriveDiag_Cnt_str.PStep	15000		
k_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		
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	5000		
target_Rte_Call_Sa_MtrDrvDiag_SystemTime_DtrmnElapsedTime_uS_u16_Elapse	13100		
target_Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_mS_u32_CurrentTi	45000000		
target_Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32_CurrentTir	300000		
target_Rte_Inst_Sa_MtrDrvDiag.MtrDrvDiag_Per1_FETFaultPhase_Cnt_enum	target_MtrDrvDiag_Per1_FETFaultPhase_Cnt_enum		
target_Rte_Inst_Sa_MtrDrvDiag.MtrDrvDiag_Per1_FETFaultType_Cnt_enum	target_MtrDrvDiag_Per1_FETFaultType_Cnt_enum		
target_Rte_Inst_Sa_MtrDrvDiag.MtrDrvDiag_Per1_GateDriveResetActive_Cnt_lgc	target_MtrDrvDiag_Per1_GateDriveResetActive_Cnt_lgc		
target_Rte_Inst_Sa_MtrDrvDiag.MtrDrvDiag_Per1_MtrDrvrInitComplete_Cnt_lgc	target_MtrDrvDiag_Per1_MtrDrvrInitComplete_Cnt_lgc		
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	2	2	✔
SVDiag_FETFaultType_Cnt_M_enum	2	2	✔

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

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 2.23 (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	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_lg	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	400000	
target_Rte_Inst_Sa_MtrDrvDiag.MtrDrvDiag_Per1_FETFaultPhase_Cnt_enum	target_MtrDrvDiag_Per1_FETFaultPhase_Cnt_enum	
target_Rte_Inst_Sa_MtrDrvDiag.MtrDrvDiag_Per1_FETFaultType_Cnt_enum	target_MtrDrvDiag_Per1_FETFaultType_Cnt_enum	
target_Rte_Inst_Sa_MtrDrvDiag.MtrDrvDiag_Per1_GateDriveResetActive_Cnt_lgc	target_MtrDrvDiag_Per1_GateDriveResetActive_Cnt_lgc	
target_Rte_Inst_Sa_MtrDrvDiag.MtrDrvDiag_Per1_MtrDrvrInitComplete_Cnt_lgc	target_MtrDrvDiag_Per1_MtrDrvrInitComplete_Cnt_lgc	
target_Rte_Inst_Sa_MtrDrvDiag.MtrDrvDiag_Per1_MtrDrvrInitStart_Cnt_lgc	target_MtrDrvDiag_Per1_MtrDrvrInitStart_Cnt_lgc	
Name	**Actual Value**	**Expected Value**	**Result**
SVDiag_FETFaultPhase_Cnt_M_enum	3	3	✔
SVDiag_FETFaultType_Cnt_M_enum	2	2	✔
SVDiag_GateDriveFltAcc_Cnt_M_u16	4000	4000 ± 1	✔
SVDiag_GenGateDriveFltAcc_Cnt_M_u16	178	178 ± 1	✔

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

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Actual Function	Count	Expected Function	Count	Result
Rte_Call_MtrDrvDiag_Per1_CP0_CheckpointReached	1	Rte_Call_MtrDrvDiag_Per1_CP0_CheckpointReached	1	✓
Rte_Call_Sa_MtrDrvDiag_FetFlt1Data_OP_GET	1	Rte_Call_Sa_MtrDrvDiag_FetFlt1Data_OP_GET	1	✓
Rte_Call_Sa_MtrDrvDiag_FetFlt2Clk_OP_GET	1	Rte_Call_Sa_MtrDrvDiag_FetFlt2Clk_OP_GET	1	✓
Rte_Call_Sa_MtrDrvDiag_NxtrDiagMgr_SetNTCStatus	1	Rte_Call_Sa_MtrDrvDiag_NxtrDiagMgr_SetNTCStatus	1	✓
ProcGateDriveFlt	1	ProcGateDriveFlt	1	✓
Rte_Call_Sa_MtrDrvDiag_NxtrDiagMgr_SetNTCStatus	1	Rte_Call_Sa_MtrDrvDiag_NxtrDiagMgr_SetNTCStatus	1	✓
ReadMtrDrvFltData	1	ReadMtrDrvFltData	1	✓
Rte_Call_Sa_MtrDrvDiag_IoHwAbPortConfig_SetFetFlt2ToOutput	1	Rte_Call_Sa_MtrDrvDiag_IoHwAbPortConfig_SetFetFlt2ToOutput	1	✓
Rte_Call_Sa_MtrDrvDiag_FetFlt2Clk_OP_SET	1	Rte_Call_Sa_MtrDrvDiag_FetFlt2Clk_OP_SET	1	✓
GateDrvWaitTime	1	GateDrvWaitTime	1	✓
Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32	1	Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32	1	✓
Rte_Call_Sa_MtrDrvDiag_SystemTime_DtrmnElapsedTime_uS_u16	1	Rte_Call_Sa_MtrDrvDiag_SystemTime_DtrmnElapsedTime_uS_u16	1	✓
Rte_Call_Sa_MtrDrvDiag_FetFlt1Data_OP_GET	1	Rte_Call_Sa_MtrDrvDiag_FetFlt1Data_OP_GET	1	✓
Rte_Call_Sa_MtrDrvDiag_FetFlt2Clk_OP_SET	1	Rte_Call_Sa_MtrDrvDiag_FetFlt2Clk_OP_SET	1	✓
GateDrvWaitTime	1	GateDrvWaitTime	1	✓
Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32	1	Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32	1	✓
Rte_Call_Sa_MtrDrvDiag_SystemTime_DtrmnElapsedTime_uS_u16	1	Rte_Call_Sa_MtrDrvDiag_SystemTime_DtrmnElapsedTime_uS_u16	1	✓
Rte_Call_Sa_MtrDrvDiag_FetFlt2Clk_OP_SET	1	Rte_Call_Sa_MtrDrvDiag_FetFlt2Clk_OP_SET	1	✓
GateDrvWaitTime	1	GateDrvWaitTime	1	✓
Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32	1	Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32	1	✓
Rte_Call_Sa_MtrDrvDiag_SystemTime_DtrmnElapsedTime_uS_u16	1	Rte_Call_Sa_MtrDrvDiag_SystemTime_DtrmnElapsedTime_uS_u16	1	✓
Rte_Call_Sa_MtrDrvDiag_FetFlt1Data_OP_GET	1	Rte_Call_Sa_MtrDrvDiag_FetFlt1Data_OP_GET	1	✓
Rte_Call_Sa_MtrDrvDiag_FetFlt2Clk_OP_SET	1	Rte_Call_Sa_MtrDrvDiag_FetFlt2Clk_OP_SET	1	✓
GateDrvWaitTime	1	GateDrvWaitTime	1	✓
Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32	1	Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32	1	✓
Rte_Call_Sa_MtrDrvDiag_SystemTime_DtrmnElapsedTime_uS_u16	1	Rte_Call_Sa_MtrDrvDiag_SystemTime_DtrmnElapsedTime_uS_u16	1	✓
Rte_Call_Sa_MtrDrvDiag_FetFlt2Clk_OP_SET	1	Rte_Call_Sa_MtrDrvDiag_FetFlt2Clk_OP_SET	1	✓
GateDrvWaitTime	1	GateDrvWaitTime	1	✓
Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32	1	Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32	1	✓
Rte_Call_Sa_MtrDrvDiag_SystemTime_DtrmnElapsedTime_uS_u16	1	Rte_Call_Sa_MtrDrvDiag_SystemTime_DtrmnElapsedTime_uS_u16	1	✓
Rte_Call_Sa_MtrDrvDiag_FetFlt1Data_OP_GET	1	Rte_Call_Sa_MtrDrvDiag_FetFlt1Data_OP_GET	1	✓
Rte_Call_Sa_MtrDrvDiag_FetFlt2Clk_OP_SET	1	Rte_Call_Sa_MtrDrvDiag_FetFlt2Clk_OP_SET	1	✓
GateDrvWaitTime	1	GateDrvWaitTime	1	✓
Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32	1	Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32	1	✓
Rte_Call_Sa_MtrDrvDiag_SystemTime_DtrmnElapsedTime_uS_u16	1	Rte_Call_Sa_MtrDrvDiag_SystemTime_DtrmnElapsedTime_uS_u16	1	✓
Rte_Call_Sa_MtrDrvDiag_FetFlt2Clk_OP_SET	1	Rte_Call_Sa_MtrDrvDiag_FetFlt2Clk_OP_SET	1	✓
GateDrvWaitTime	1	GateDrvWaitTime	1	✓
Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32	1	Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32	1	✓
Rte_Call_Sa_MtrDrvDiag_SystemTime_DtrmnElapsedTime_uS_u16	1	Rte_Call_Sa_MtrDrvDiag_SystemTime_DtrmnElapsedTime_uS_u16	1	✓
Rte_Call_Sa_MtrDrvDiag_FetFlt1Data_OP_GET	1	Rte_Call_Sa_MtrDrvDiag_FetFlt1Data_OP_GET	1	✓
Rte_Call_Sa_MtrDrvDiag_FetFlt2Clk_OP_SET	1	Rte_Call_Sa_MtrDrvDiag_FetFlt2Clk_OP_SET	1	✓
GateDrvWaitTime	1	GateDrvWaitTime	1	✓
Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32	1	Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32	1	✓
Rte_Call_Sa_MtrDrvDiag_SystemTime_DtrmnElapsedTime_uS_u16	1	Rte_Call_Sa_MtrDrvDiag_SystemTime_DtrmnElapsedTime_uS_u16	1	✓
Rte_Call_Sa_MtrDrvDiag_FetFlt2Clk_OP_SET	1	Rte_Call_Sa_MtrDrvDiag_FetFlt2Clk_OP_SET	1	✓
GateDrvWaitTime	1	GateDrvWaitTime	1	✓
Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32	1	Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32	1	✓
Rte_Call_Sa_MtrDrvDiag_SystemTime_DtrmnElapsedTime_uS_u16	1	Rte_Call_Sa_MtrDrvDiag_SystemTime_DtrmnElapsedTime_uS_u16	1	✓
Rte_Call_Sa_MtrDrvDiag_FetFlt1Data_OP_GET	1	Rte_Call_Sa_MtrDrvDiag_FetFlt1Data_OP_GET	1	✓
Rte_Call_Sa_MtrDrvDiag_FetFlt2Clk_OP_SET	1	Rte_Call_Sa_MtrDrvDiag_FetFlt2Clk_OP_SET	1	✓
GateDrvWaitTime	1	GateDrvWaitTime	1	✓
Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32	1	Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32	1	✓
Rte_Call_Sa_MtrDrvDiag_SystemTime_DtrmnElapsedTime_uS_u16	1	Rte_Call_Sa_MtrDrvDiag_SystemTime_DtrmnElapsedTime_uS_u16	1	✓
Rte_Call_Sa_MtrDrvDiag_FetFlt2Clk_OP_SET	1	Rte_Call_Sa_MtrDrvDiag_FetFlt2Clk_OP_SET	1	✓
GateDrvWaitTime	1	GateDrvWaitTime	1	✓
Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32	1	Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32	1	✓
Rte_Call_Sa_MtrDrvDiag_SystemTime_DtrmnElapsedTime_uS_u16	1	Rte_Call_Sa_MtrDrvDiag_SystemTime_DtrmnElapsedTime_uS_u16	1	✓
Rte_Call_Sa_MtrDrvDiag_FetFlt1Data_OP_GET	1	Rte_Call_Sa_MtrDrvDiag_FetFlt1Data_OP_GET	1	✓
Rte_Call_Sa_MtrDrvDiag_FetFlt2Clk_OP_SET	1	Rte_Call_Sa_MtrDrvDiag_FetFlt2Clk_OP_SET	1	✓
GateDrvWaitTime	1	GateDrvWaitTime	1	✓
Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32	1	Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32	1	✓
Rte_Call_Sa_MtrDrvDiag_SystemTime_DtrmnElapsedTime_uS_u16	Count	Rte_Call_Sa_MtrDrvDiag_SystemTime_DtrmnElapsedTime_uS_u16	Count	✓
Rte_Call_Sa_MtrDrvDiag_FetFlt2Clk_OP_SET	1	Rte_Call_Sa_MtrDrvDiag_FetFlt2Clk_OP_SET	1	✓
GateDrvWaitTime	1	GateDrvWaitTime	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_FetFlt1Data_OP_GET	1	Rte_Call_Sa_MtrDrvDiag_FetFlt1Data_OP_GET	1	✔
Rte_Call_Sa_MtrDrvDiag_FetFlt2Clk_OP_SET	1	Rte_Call_Sa_MtrDrvDiag_FetFlt2Clk_OP_SET	1	✔
GateDrvWaitTime	1	GateDrvWaitTime	1	✔
Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32	1	Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32	1	✔
Rte_Call_Sa_MtrDrvDiag_SystemTime_DtrmnElapsedTime_uS_u16	1	Rte_Call_Sa_MtrDrvDiag_SystemTime_DtrmnElapsedTime_uS_u16	1	✔
Rte_Call_Sa_MtrDrvDiag_FetFlt2Clk_OP_SET	1	Rte_Call_Sa_MtrDrvDiag_FetFlt2Clk_OP_SET	1	✔
GateDrvWaitTime	1	GateDrvWaitTime	1	✔
Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32	1	Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32	1	✔
Rte_Call_Sa_MtrDrvDiag_SystemTime_DtrmnElapsedTime_uS_u16	1	Rte_Call_Sa_MtrDrvDiag_SystemTime_DtrmnElapsedTime_uS_u16	1	✔
Rte_Call_Sa_MtrDrvDiag_FetFlt1Data_OP_GET	1	Rte_Call_Sa_MtrDrvDiag_FetFlt1Data_OP_GET	1	✔
Rte_Call_Sa_MtrDrvDiag_FetFlt2Clk_OP_SET	1	Rte_Call_Sa_MtrDrvDiag_FetFlt2Clk_OP_SET	1	✔
GateDrvWaitTime	1	GateDrvWaitTime	1	✔
Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32	1	Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32	1	✔
Rte_Call_Sa_MtrDrvDiag_SystemTime_DtrmnElapsedTime_uS_u16	1	Rte_Call_Sa_MtrDrvDiag_SystemTime_DtrmnElapsedTime_uS_u16	1	✔
Rte_Call_Sa_MtrDrvDiag_FetFlt2Clk_OP_SET	1	Rte_Call_Sa_MtrDrvDiag_FetFlt2Clk_OP_SET	1	✔
GateDrvWaitTime	1	GateDrvWaitTime	1	✔
Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32	1	Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32	1	✔
Rte_Call_Sa_MtrDrvDiag_SystemTime_DtrmnElapsedTime_uS_u16	1	Rte_Call_Sa_MtrDrvDiag_SystemTime_DtrmnElapsedTime_uS_u16	1	✔
Rte_Call_Sa_MtrDrvDiag_FetFlt1Data_OP_GET	1	Rte_Call_Sa_MtrDrvDiag_FetFlt1Data_OP_GET	1	✔
Rte_Call_Sa_MtrDrvDiag_FetFlt2Clk_OP_SET	1	Rte_Call_Sa_MtrDrvDiag_FetFlt2Clk_OP_SET	1	✔
GateDrvWaitTime	1	GateDrvWaitTime	1	✔
Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32	1	Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_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_lg	0
target_Rte_Call_Sa_MtrDrvDiag_SystemTime_DtrmnElapsedTime_mS_u16_Elapse	0
target_Rte_Call_Sa_MtrDrvDiag_SystemTime_DtrmnElapsedTime_uS_u16_Elapse	50
target_Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_mS_u32_CurrentTi	0
target_Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32_CurrentTir	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

Name	Input Value		
target_Rte_Inst_Sa_MtrDrvDiag.MtrDrvDiag_Per1_MtrDrvrInitComplete_Cnt_lgc	target_MtrDrvDiag_Per1_MtrDrvrInitComplete_Cnt_lgc		
target_Rte_Inst_Sa_MtrDrvDiag.MtrDrvDiag_Per1_MtrDrvrInitStart_Cnt_lgc	target_MtrDrvDiag_Per1_MtrDrvrInitStart_Cnt_lgc		

Name	Actual Value	Expected Value	Result
SVDiag_FETFaultPhase_Cnt_M_enum	0	0	✔
SVDiag_FETFaultType_Cnt_M_enum	0	0	✔
SVDiag_GateDriveFltAcc_Cnt_M_u16	0	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			✔

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)			✔

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	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		
k_GateDriveDiag_Cnt_str.Threshold	65535		
k_GateDriveDiag_Cnt_str.PStep	65535		
k_GateDriveDiag_Cnt_str.NStep	65535		
k_OnStateDiag_Cnt_str.Threshold	65535		
k_OnStateDiag_Cnt_str.PStep	65535		
k_OnStateDiag_Cnt_str.NStep	65535		
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_Ptr_T_lg(	1		
target_Rte_Call_Sa_MtrDrvDiag_SystemTime_DtrmnElapsedTime_mS_u16_Elapse	65535		
target_Rte_Call_Sa_MtrDrvDiag_SystemTime_DtrmnElapsedTime_uS_u16_Elapse	65535		
target_Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_mS_u32_CurrentTi	4294967295		
target_Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32_CurrentTir	4294967295		
target_Rte_Inst_Sa_MtrDrvDiag.MtrDrvDiag_Per1_FETFaultPhase_Cnt_enum	target_MtrDrvDiag_Per1_FETFaultPhase_Cnt_enum		
target_Rte_Inst_Sa_MtrDrvDiag.MtrDrvDiag_Per1_FETFaultType_Cnt_enum	target_MtrDrvDiag_Per1_FETFaultType_Cnt_enum		
target_Rte_Inst_Sa_MtrDrvDiag.MtrDrvDiag_Per1_GateDriveResetActive_Cnt_lgc	target_MtrDrvDiag_Per1_GateDriveResetActive_Cnt_lgc		
target_Rte_Inst_Sa_MtrDrvDiag.MtrDrvDiag_Per1_MtrDrvrInitComplete_Cnt_lgc	target_MtrDrvDiag_Per1_MtrDrvrInitComplete_Cnt_lgc		
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	3	3	✔
SVDiag_FETFaultType_Cnt_M_enum	2	2	✔
SVDiag_GateDriveFltAcc_Cnt_M_u16	65535	65535 ± 1	✔
SVDiag_GenGateDriveFltAcc_Cnt_M_u16	200	200 ± 1	✔
SVDiag_MtrDrvInitActive_Cnt_M_lgc	1	1	✔
SVDiag_MtrDrvInitComp_Cnt_M_lgc	1	1	✔
SVDiag_MtrDrvInitStartTime_mS_M_u32p0	4294967295	4294967295 ± 1	✔
SVDiag_OnStateFltAcc_Cnt_M_u16	65535	65535 ± 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	✔

Name	Actual Value	Expected Value	Result
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	✔
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_OnStateDiag_Cnt_str.Nstep)=True
TS3.9   If (True = MtrDrvInitComp_Cnt_T_lgc) =True,If (True = SVDiag_ResetWaitLoop_Cnt_M_lgc)=False,If (True = FF1Set_Cnt_T_lgc)=False

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

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_lgc	0
target_Rte_Call_Sa_MtrDrvDiag_SystemTime_DtrmnElapsedTime_mS_u16_Elapse	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_Cnt_enum
target_Rte_Inst_Sa_MtrDrvDiag.MtrDrvDiag_Per1_FETFaultType_Cnt_enum	target_MtrDrvDiag_Per1_FETFaultType_Cnt_enum
target_Rte_Inst_Sa_MtrDrvDiag.MtrDrvDiag_Per1_GateDriveResetActive_Cnt_lgc	target_MtrDrvDiag_Per1_GateDriveResetActive_Cnt_lgc
target_Rte_Inst_Sa_MtrDrvDiag.MtrDrvDiag_Per1_MtrDrvrInitComplete_Cnt_lgc	target_MtrDrvDiag_Per1_MtrDrvrInitComplete_Cnt_lgc
target_Rte_Inst_Sa_MtrDrvDiag.MtrDrvDiag_Per1_MtrDrvrInitStart_Cnt_lgc	target_MtrDrvDiag_Per1_MtrDrvrInitStart_Cnt_lgc

Name	Actual Value	Expected Value	Result
SVDiag_FETFaultPhase_Cnt_M_enum	0	0	✔
SVDiag_FETFaultType_Cnt_M_enum	0	0	✔
SVDiag_GateDriveFltAcc_Cnt_M_u16	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	✔

T					✔
Actual Function	**Count**	**Expected Function**		**Count**	**Result**
Rte_Call_MtrDrvDiag_Per1_CP0_CheckpointReached	1	Rte_Call_MtrDrvDiag_Per1_CP0_CheckpointReached		1	✔
Rte_Call_MtrDrvDiag_Per1_CP1_CheckpointReached	1	Rte_Call_MtrDrvDiag_Per1_CP1_CheckpointReached		1	✔

Test Step 3.2 (Repeat Count = 1)		✔
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	0	
SVDiag_GateDriveFltAcc_Cnt_M_u16	60000	
SVDiag_GenGateDriveFltAcc_Cnt_M_u16	60	
SVDiag_MtrDrvInitActive_Cnt_M_lgc	1	
SVDiag_MtrDrvInitComp_Cnt_M_lgc	1	
SVDiag_MtrDrvInitStartTime_mS_M_u32p0	6653	
SVDiag_OnStateFltAcc_Cnt_M_u16	6666	
SVDiag_ResetWaitLoop_Cnt_M_lgc	1	
k_GateDriveDiag_Cnt_str.Threshold	10000	
k_GateDriveDiag_Cnt_str.PStep	30000	
k_GateDriveDiag_Cnt_str.NStep	10000	
k_OnStateDiag_Cnt_str.Threshold	6666	
k_OnStateDiag_Cnt_str.PStep	16000	
k_OnStateDiag_Cnt_str.NStep	6000	
target_MtrDrvDiag_Per1_MtrDrvrInitStart_Cnt_lgc.value	1	
target_Rte_Call_Sa_MtrDrvDiag_FetFlt2Clk_OP_GET_signal	0	
target_Rte_Call_Sa_MtrDrvDiag_NxtrDiagMgr_GetNTCFailed_NTCFailed_Ptr_T_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_Cnt_enum	
target_Rte_Inst_Sa_MtrDrvDiag.MtrDrvDiag_Per1_FETFaultType_Cnt_enum	target_MtrDrvDiag_Per1_FETFaultType_Cnt_enum	

Name	Input Value		
target_Rte_Inst_Sa_MtrDrvDiag.MtrDrvDiag_Per1_GateDriveResetActive_Cnt_lgc	target_MtrDrvDiag_Per1_GateDriveResetActive_Cnt_lgc		
target_Rte_Inst_Sa_MtrDrvDiag.MtrDrvDiag_Per1_MtrDrvrInitComplete_Cnt_lgc	target_MtrDrvDiag_Per1_MtrDrvrInitComplete_Cnt_lgc		
target_Rte_Inst_Sa_MtrDrvDiag.MtrDrvDiag_Per1_MtrDrvrInitStart_Cnt_lgc	target_MtrDrvDiag_Per1_MtrDrvrInitStart_Cnt_lgc		

Name	Actual Value	Expected Value	Result
SVDiag_FETFaultPhase_Cnt_M_enum	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					✔
Actual Function	**Count**	**Expected Function**	**Count**	**Result**	
Rte_Call_MtrDrvDiag_Per1_CP0_CheckpointReached	1	Rte_Call_MtrDrvDiag_Per1_CP0_CheckpointReached	1	✔	
ResetGateDrive	1	ResetGateDrive	1	✔	
SuspendAllInterrupts	1	SuspendAllInterrupts	1	✔	
Rte_Call_Sa_MtrDrvDiag_FetDrvReset_OP_SET	1	Rte_Call_Sa_MtrDrvDiag_FetDrvReset_OP_SET	1	✔	
GateDrvWaitTime	1	GateDrvWaitTime	1	✔	
Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32	1	Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32	1	✔	
Rte_Call_Sa_MtrDrvDiag_SystemTime_DtrmnElapsedTime_uS_u16	1	Rte_Call_Sa_MtrDrvDiag_SystemTime_DtrmnElapsedTime_uS_u16	1	✔	
Rte_Call_Sa_MtrDrvDiag_FetDrvReset_OP_SET	1	Rte_Call_Sa_MtrDrvDiag_FetDrvReset_OP_SET	1	✔	
ResumeAllInterrupts	1	ResumeAllInterrupts	1	✔	
Rte_Call_MtrDrvDiag_Per1_CP1_CheckpointReached	1	Rte_Call_MtrDrvDiag_Per1_CP1_CheckpointReached	1	✔	

Test Step 3.3 (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	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	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_Cnt_enum			
target_Rte_Inst_Sa_MtrDrvDiag.MtrDrvDiag_Per1_FETFaultType_Cnt_enum	target_MtrDrvDiag_Per1_FETFaultType_Cnt_enum			
target_Rte_Inst_Sa_MtrDrvDiag.MtrDrvDiag_Per1_GateDriveResetActive_Cnt_lgc	target_MtrDrvDiag_Per1_GateDriveResetActive_Cnt_lgc			
target_Rte_Inst_Sa_MtrDrvDiag.MtrDrvDiag_Per1_MtrDrvrInitComplete_Cnt_lgc	target_MtrDrvDiag_Per1_MtrDrvrInitComplete_Cnt_lgc			
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	3	3	✔	
SVDiag_FETFaultType_Cnt_M_enum	2	2	✔	

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

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	1	Rte_Call_Sa_MtrDrvDiag_NxtrDiagMgr_SetNTCStatus	1	✔
ProcGateDriveFlt	1	ProcGateDriveFlt	1	✔
Rte_Call_Sa_MtrDrvDiag_NxtrDiagMgr_SetNTCStatus	1	Rte_Call_Sa_MtrDrvDiag_NxtrDiagMgr_SetNTCStatus	1	✔
ReadMtrDrvFltData	1	ReadMtrDrvFltData	1	✔
Rte_Call_Sa_MtrDrvDiag_IoHwAbPortConfig_SetFetFlt2ToOutput	1	Rte_Call_Sa_MtrDrvDiag_IoHwAbPortConfig_SetFetFlt2ToOutput	1	✔
Rte_Call_Sa_MtrDrvDiag_FetFlt2Clk_OP_SET	1	Rte_Call_Sa_MtrDrvDiag_FetFlt2Clk_OP_SET	1	✔
GateDrvWaitTime	1	GateDrvWaitTime	1	✔
Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32	1	Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32	1	✔
Rte_Call_Sa_MtrDrvDiag_SystemTime_DtrmnElapsedTime_uS_u16	1	Rte_Call_Sa_MtrDrvDiag_SystemTime_DtrmnElapsedTime_uS_u16	1	✔
Rte_Call_Sa_MtrDrvDiag_FetFlt1Data_OP_GET	1	Rte_Call_Sa_MtrDrvDiag_FetFlt1Data_OP_GET	1	✔
Rte_Call_Sa_MtrDrvDiag_FetFlt2Clk_OP_SET	1	Rte_Call_Sa_MtrDrvDiag_FetFlt2Clk_OP_SET	1	✔
GateDrvWaitTime	1	GateDrvWaitTime	1	✔
Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32	1	Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32	1	✔
Rte_Call_Sa_MtrDrvDiag_SystemTime_DtrmnElapsedTime_uS_u16	1	Rte_Call_Sa_MtrDrvDiag_SystemTime_DtrmnElapsedTime_uS_u16	1	✔
Rte_Call_Sa_MtrDrvDiag_FetFlt2Clk_OP_SET	1	Rte_Call_Sa_MtrDrvDiag_FetFlt2Clk_OP_SET	1	✔
GateDrvWaitTime	1	GateDrvWaitTime	1	✔
Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32	1	Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32	1	✔
Rte_Call_Sa_MtrDrvDiag_SystemTime_DtrmnElapsedTime_uS_u16	1	Rte_Call_Sa_MtrDrvDiag_SystemTime_DtrmnElapsedTime_uS_u16	1	✔
Rte_Call_Sa_MtrDrvDiag_FetFlt1Data_OP_GET	1	Rte_Call_Sa_MtrDrvDiag_FetFlt1Data_OP_GET	1	✔
Rte_Call_Sa_MtrDrvDiag_FetFlt2Clk_OP_SET	1	Rte_Call_Sa_MtrDrvDiag_FetFlt2Clk_OP_SET	1	✔
GateDrvWaitTime	1	GateDrvWaitTime	1	✔
Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32	1	Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32	1	✔
Rte_Call_Sa_MtrDrvDiag_SystemTime_DtrmnElapsedTime_uS_u16	1	Rte_Call_Sa_MtrDrvDiag_SystemTime_DtrmnElapsedTime_uS_u16	1	✔
Rte_Call_Sa_MtrDrvDiag_FetFlt2Clk_OP_SET	1	Rte_Call_Sa_MtrDrvDiag_FetFlt2Clk_OP_SET	1	✔
GateDrvWaitTime	1	GateDrvWaitTime	1	✔
Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32	1	Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32	1	✔
Rte_Call_Sa_MtrDrvDiag_SystemTime_DtrmnElapsedTime_uS_u16	1	Rte_Call_Sa_MtrDrvDiag_SystemTime_DtrmnElapsedTime_uS_u16	1	✔
Rte_Call_Sa_MtrDrvDiag_FetFlt1Data_OP_GET	1	Rte_Call_Sa_MtrDrvDiag_FetFlt1Data_OP_GET	1	✔
Rte_Call_Sa_MtrDrvDiag_FetFlt2Clk_OP_SET	1	Rte_Call_Sa_MtrDrvDiag_FetFlt2Clk_OP_SET	1	✔
GateDrvWaitTime	1	GateDrvWaitTime	1	✔
Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32	1	Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32	1	✔
Rte_Call_Sa_MtrDrvDiag_SystemTime_DtrmnElapsedTime_uS_u16	1	Rte_Call_Sa_MtrDrvDiag_SystemTime_DtrmnElapsedTime_uS_u16	1	✔
Rte_Call_Sa_MtrDrvDiag_FetFlt2Clk_OP_SET	1	Rte_Call_Sa_MtrDrvDiag_FetFlt2Clk_OP_SET	1	✔
GateDrvWaitTime	1	GateDrvWaitTime	1	✔
Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32	1	Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32	1	✔
Rte_Call_Sa_MtrDrvDiag_SystemTime_DtrmnElapsedTime_uS_u16	1	Rte_Call_Sa_MtrDrvDiag_SystemTime_DtrmnElapsedTime_uS_u16	1	✔
Rte_Call_Sa_MtrDrvDiag_FetFlt1Data_OP_GET	1	Rte_Call_Sa_MtrDrvDiag_FetFlt1Data_OP_GET	1	✔
Rte_Call_Sa_MtrDrvDiag_FetFlt2Clk_OP_SET	1	Rte_Call_Sa_MtrDrvDiag_FetFlt2Clk_OP_SET	1	✔
GateDrvWaitTime	1	GateDrvWaitTime	1	✔
Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32	1	Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32	1	✔
Rte_Call_Sa_MtrDrvDiag_SystemTime_DtrmnElapsedTime_uS_u16	1	Rte_Call_Sa_MtrDrvDiag_SystemTime_DtrmnElapsedTime_uS_u16	1	✔
Rte_Call_Sa_MtrDrvDiag_FetFlt2Clk_OP_SET	1	Rte_Call_Sa_MtrDrvDiag_FetFlt2Clk_OP_SET	1	✔
GateDrvWaitTime	1	GateDrvWaitTime	1	✔
Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32	1	Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32	1	✔
Rte_Call_Sa_MtrDrvDiag_SystemTime_DtrmnElapsedTime_uS_u16	1	Rte_Call_Sa_MtrDrvDiag_SystemTime_DtrmnElapsedTime_uS_u16	1	✔
Rte_Call_Sa_MtrDrvDiag_FetFlt1Data_OP_GET	1	Rte_Call_Sa_MtrDrvDiag_FetFlt1Data_OP_GET	1	✔
Rte_Call_Sa_MtrDrvDiag_FetFlt2Clk_OP_SET	1	Rte_Call_Sa_MtrDrvDiag_FetFlt2Clk_OP_SET	1	✔
GateDrvWaitTime	1	GateDrvWaitTime	1	✔
Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32	1	Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32	1	✔
Rte_Call_Sa_MtrDrvDiag_SystemTime_DtrmnElapsedTime_uS_u16	1	Rte_Call_Sa_MtrDrvDiag_SystemTime_DtrmnElapsedTime_uS_u16	1	✔
Rte_Call_Sa_MtrDrvDiag_FetFlt2Clk_OP_SET	1	Rte_Call_Sa_MtrDrvDiag_FetFlt2Clk_OP_SET	1	✔
GateDrvWaitTime	1	GateDrvWaitTime	1	✔
Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32	1	Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32	1	✔
Rte_Call_Sa_MtrDrvDiag_SystemTime_DtrmnElapsedTime_uS_u16	1	Rte_Call_Sa_MtrDrvDiag_SystemTime_DtrmnElapsedTime_uS_u16	1	✔
Rte_Call_Sa_MtrDrvDiag_FetFlt1Data_OP_GET	1	Rte_Call_Sa_MtrDrvDiag_FetFlt1Data_OP_GET	1	✔
Rte_Call_Sa_MtrDrvDiag_FetFlt2Clk_OP_SET	1	Rte_Call_Sa_MtrDrvDiag_FetFlt2Clk_OP_SET	1	✔
GateDrvWaitTime	1	GateDrvWaitTime	1	✔
Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32	1	Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32	1	✔
Rte_Call_Sa_MtrDrvDiag_SystemTime_DtrmnElapsedTime_uS_u16	1	Rte_Call_Sa_MtrDrvDiag_SystemTime_DtrmnElapsedTime_uS_u16	1	✔
Rte_Call_Sa_MtrDrvDiag_FetFlt2Clk_OP_SET	1	Rte_Call_Sa_MtrDrvDiag_FetFlt2Clk_OP_SET	1	✔
GateDrvWaitTime	1	GateDrvWaitTime	1	✔
Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32	1	Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32	1	✔
Rte_Call_Sa_MtrDrvDiag_SystemTime_DtrmnElapsedTime_uS_u16	1	Rte_Call_Sa_MtrDrvDiag_SystemTime_DtrmnElapsedTime_uS_u16	Count	✔
Rte_Call_Sa_MtrDrvDiag_FetFlt2Clk_OP_SET	1	Rte_Call_Sa_MtrDrvDiag_FetFlt2Clk_OP_SET	1	✔
GateDrvWaitTime	1	GateDrvWaitTime	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_FetFlt1Data_OP_GET	1	Rte_Call_Sa_MtrDrvDiag_FetFlt1Data_OP_GET	1	✔
Rte_Call_Sa_MtrDrvDiag_FetFlt2Clk_OP_SET	1	Rte_Call_Sa_MtrDrvDiag_FetFlt2Clk_OP_SET	1	✔
GateDrvWaitTime	1	GateDrvWaitTime	1	✔
Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32	1	Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32	1	✔
Rte_Call_Sa_MtrDrvDiag_SystemTime_DtrmnElapsedTime_uS_u16	1	Rte_Call_Sa_MtrDrvDiag_SystemTime_DtrmnElapsedTime_uS_u16	1	✔
Rte_Call_Sa_MtrDrvDiag_FetFlt2Clk_OP_SET	1	Rte_Call_Sa_MtrDrvDiag_FetFlt2Clk_OP_SET	1	✔
GateDrvWaitTime	1	GateDrvWaitTime	1	✔
Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32	1	Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32	1	✔
Rte_Call_Sa_MtrDrvDiag_SystemTime_DtrmnElapsedTime_uS_u16	1	Rte_Call_Sa_MtrDrvDiag_SystemTime_DtrmnElapsedTime_uS_u16	1	✔
Rte_Call_Sa_MtrDrvDiag_FetFlt1Data_OP_GET	1	Rte_Call_Sa_MtrDrvDiag_FetFlt1Data_OP_GET	1	✔
Rte_Call_Sa_MtrDrvDiag_FetFlt2Clk_OP_SET	1	Rte_Call_Sa_MtrDrvDiag_FetFlt2Clk_OP_SET	1	✔
GateDrvWaitTime	1	GateDrvWaitTime	1	✔
Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32	1	Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32	1	✔
Rte_Call_Sa_MtrDrvDiag_SystemTime_DtrmnElapsedTime_uS_u16	1	Rte_Call_Sa_MtrDrvDiag_SystemTime_DtrmnElapsedTime_uS_u16	1	✔
Rte_Call_Sa_MtrDrvDiag_FetFlt2Clk_OP_SET	1	Rte_Call_Sa_MtrDrvDiag_FetFlt2Clk_OP_SET	1	✔
GateDrvWaitTime	1	GateDrvWaitTime	1	✔
Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32	1	Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32	1	✔
Rte_Call_Sa_MtrDrvDiag_SystemTime_DtrmnElapsedTime_uS_u16	1	Rte_Call_Sa_MtrDrvDiag_SystemTime_DtrmnElapsedTime_uS_u16	1	✔
Rte_Call_Sa_MtrDrvDiag_FetFlt1Data_OP_GET	1	Rte_Call_Sa_MtrDrvDiag_FetFlt1Data_OP_GET	1	✔
Rte_Call_Sa_MtrDrvDiag_FetFlt2Clk_OP_SET	1	Rte_Call_Sa_MtrDrvDiag_FetFlt2Clk_OP_SET	1	✔
GateDrvWaitTime	1	GateDrvWaitTime	1	✔
Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32	1	Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_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 3.4 (Repeat Count = 1)		✔
Name	**Input Value**	
Rte_Call_Sa_MtrDrvDiag_FetFlt2Clk_OP_GET(signal)	target_Rte_Call_Sa_MtrDrvDiag_FetFlt2Clk_OP_GET_signal	
Rte_Call_Sa_MtrDrvDiag_NxtrDiagMgr_GetNTCFailed(NTCFailed_Ptr_T_lgc)	target_Rte_Call_Sa_MtrDrvDiag_NxtrDiagMgr_GetNTCFailed_NTCFailed_Ptr_T_lgc	
Rte_Call_Sa_MtrDrvDiag_SystemTime_DtrmnElapsedTime_mS_u16(ElapsedTime)	target_Rte_Call_Sa_MtrDrvDiag_SystemTime_DtrmnElapsedTime_mS_u16_ElapsedTime	
Rte_Call_Sa_MtrDrvDiag_SystemTime_DtrmnElapsedTime_uS_u16(ElapsedTime)	target_Rte_Call_Sa_MtrDrvDiag_SystemTime_DtrmnElapsedTime_uS_u16_ElapsedTime	
Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_mS_u32(CurrentTime)	target_Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_mS_u32_CurrentTime	
Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32(CurrentTime)	target_Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32_CurrentTime	
Rte_Inst_Sa_MtrDrvDiag	target_Rte_Inst_Sa_MtrDrvDiag	
SVDiag_FETFaultPhase_Cnt_M_enum	1	
SVDiag_FETFaultType_Cnt_M_enum	1	
SVDiag_GateDriveFltAcc_Cnt_M_u16	20000	
SVDiag_GenGateDriveFltAcc_Cnt_M_u16	20	
SVDiag_MtrDrvInitActive_Cnt_M_lgc	1	
SVDiag_MtrDrvInitComp_Cnt_M_lgc	0	
SVDiag_MtrDrvInitStartTime_mS_M_u32p0	747	
SVDiag_OnStateFltAcc_Cnt_M_u16	2222	
SVDiag_ResetWaitLoop_Cnt_M_lgc	1	
k_GateDriveDiag_Cnt_str.Threshold	2000	
k_GateDriveDiag_Cnt_str.PStep	10000	
k_GateDriveDiag_Cnt_str.NStep	22220	
k_OnStateDiag_Cnt_str.Threshold	2222	
k_OnStateDiag_Cnt_str.PStep	12000	
k_OnStateDiag_Cnt_str.NStep	2000	
target_MtrDrvDiag_Per1_MtrDrvrInitStart_Cnt_lgc.value	1	
target_Rte_Call_Sa_MtrDrvDiag_FetFlt2Clk_OP_GET_signal	1	
target_Rte_Call_Sa_MtrDrvDiag_NxtrDiagMgr_GetNTCFailed_NTCFailed_Ptr_T_lg	1	
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_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_MtrDrvrInitComplete_Cnt_lgc		
target_Rte_Inst_Sa_MtrDrvDiag.MtrDrvDiag_Per1_MtrDrvrInitStart_Cnt_lgc	target_MtrDrvDiag_Per1_MtrDrvrInitStart_Cnt_lgc		

Name	Actual Value	Expected Value	Result
SVDiag_FETFaultPhase_Cnt_M_enum	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	✔
Rte_Call_Sa_MtrDrvDiag_SystemTime_DtrmnElapsedTime_uS_u16	1	Rte_Call_Sa_MtrDrvDiag_SystemTime_DtrmnElapsedTime_uS_u16		1	✔
Rte_Call_Sa_MtrDrvDiag_FetDrvReset_OP_SET	1	Rte_Call_Sa_MtrDrvDiag_FetDrvReset_OP_SET		1	✔
ResumeAllInterrupts	1	ResumeAllInterrupts		1	✔
Rte_Call_MtrDrvDiag_Per1_CP1_CheckpointReached	1	Rte_Call_MtrDrvDiag_Per1_CP1_CheckpointReached		1	✔

Test Step 3.5 (Repeat Count = 1)			✔
Name	**Input Value**		
Rte_Call_Sa_MtrDrvDiag_FetFlt2Clk_OP_GET(signal)	target_Rte_Call_Sa_MtrDrvDiag_FetFlt2Clk_OP_GET_signal		
Rte_Call_Sa_MtrDrvDiag_NxtrDiagMgr_GetNTCFailed(NTCFailed_Ptr_T_lgc)	target_Rte_Call_Sa_MtrDrvDiag_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_lgc	0		
target_Rte_Call_Sa_MtrDrvDiag_SystemTime_DtrmnElapsedTime_mS_u16_Elapse	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_CurrentTir	900000		
target_Rte_Inst_Sa_MtrDrvDiag.MtrDrvDiag_Per1_FETFaultPhase_Cnt_enum	target_MtrDrvDiag_Per1_FETFaultPhase_Cnt_enum		
target_Rte_Inst_Sa_MtrDrvDiag.MtrDrvDiag_Per1_FETFaultType_Cnt_enum	target_MtrDrvDiag_Per1_FETFaultType_Cnt_enum		
target_Rte_Inst_Sa_MtrDrvDiag.MtrDrvDiag_Per1_GateDriveResetActive_Cnt_lgc	target_MtrDrvDiag_Per1_GateDriveResetActive_Cnt_lgc		
target_Rte_Inst_Sa_MtrDrvDiag.MtrDrvDiag_Per1_MtrDrvrInitComplete_Cnt_lgc	target_MtrDrvDiag_Per1_MtrDrvrInitComplete_Cnt_lgc		
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	3	3	✔

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	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	✔
ReadMtrDrvFltData	1	ReadMtrDrvFltData	1	✔
Rte_Call_Sa_MtrDrvDiag_IoHwAbPortConfig_SetFetFlt2ToOutput	1	Rte_Call_Sa_MtrDrvDiag_IoHwAbPortConfig_SetFetFlt2ToOutput	1	✔
Rte_Call_Sa_MtrDrvDiag_FetFlt2Clk_OP_SET	1	Rte_Call_Sa_MtrDrvDiag_FetFlt2Clk_OP_SET	1	✔
GateDrvWaitTime	1	GateDrvWaitTime	1	✔
Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32	1	Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32	1	✔
Rte_Call_Sa_MtrDrvDiag_SystemTime_DtrmnElapsedTime_uS_u16	1	Rte_Call_Sa_MtrDrvDiag_SystemTime_DtrmnElapsedTime_uS_u16	1	✔
Rte_Call_Sa_MtrDrvDiag_FetFlt1Data_OP_GET	1	Rte_Call_Sa_MtrDrvDiag_FetFlt1Data_OP_GET	1	✔
Rte_Call_Sa_MtrDrvDiag_FetFlt2Clk_OP_SET	1	Rte_Call_Sa_MtrDrvDiag_FetFlt2Clk_OP_SET	1	✔
GateDrvWaitTime	1	GateDrvWaitTime	1	✔
Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32	1	Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32	1	✔
Rte_Call_Sa_MtrDrvDiag_SystemTime_DtrmnElapsedTime_uS_u16	1	Rte_Call_Sa_MtrDrvDiag_SystemTime_DtrmnElapsedTime_uS_u16	1	✔
Rte_Call_Sa_MtrDrvDiag_FetFlt2Clk_OP_SET	1	Rte_Call_Sa_MtrDrvDiag_FetFlt2Clk_OP_SET	1	✔
GateDrvWaitTime	1	GateDrvWaitTime	1	✔
Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32	1	Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32	1	✔
Rte_Call_Sa_MtrDrvDiag_SystemTime_DtrmnElapsedTime_uS_u16	1	Rte_Call_Sa_MtrDrvDiag_SystemTime_DtrmnElapsedTime_uS_u16	1	✔
Rte_Call_Sa_MtrDrvDiag_FetFlt1Data_OP_GET	1	Rte_Call_Sa_MtrDrvDiag_FetFlt1Data_OP_GET	1	✔
Rte_Call_Sa_MtrDrvDiag_FetFlt2Clk_OP_SET	1	Rte_Call_Sa_MtrDrvDiag_FetFlt2Clk_OP_SET	1	✔
GateDrvWaitTime	1	GateDrvWaitTime	1	✔
Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32	1	Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32	1	✔
Rte_Call_Sa_MtrDrvDiag_SystemTime_DtrmnElapsedTime_uS_u16	1	Rte_Call_Sa_MtrDrvDiag_SystemTime_DtrmnElapsedTime_uS_u16	1	✔
Rte_Call_Sa_MtrDrvDiag_FetFlt2Clk_OP_SET	1	Rte_Call_Sa_MtrDrvDiag_FetFlt2Clk_OP_SET	1	✔
GateDrvWaitTime	1	GateDrvWaitTime	1	✔
Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32	1	Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32	1	✔
Rte_Call_Sa_MtrDrvDiag_SystemTime_DtrmnElapsedTime_uS_u16	1	Rte_Call_Sa_MtrDrvDiag_SystemTime_DtrmnElapsedTime_uS_u16	1	✔
Rte_Call_Sa_MtrDrvDiag_FetFlt1Data_OP_GET	1	Rte_Call_Sa_MtrDrvDiag_FetFlt1Data_OP_GET	1	✔
Rte_Call_Sa_MtrDrvDiag_FetFlt2Clk_OP_SET	1	Rte_Call_Sa_MtrDrvDiag_FetFlt2Clk_OP_SET	1	✔
GateDrvWaitTime	1	GateDrvWaitTime	1	✔
Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32	1	Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32	1	✔
Rte_Call_Sa_MtrDrvDiag_SystemTime_DtrmnElapsedTime_uS_u16	1	Rte_Call_Sa_MtrDrvDiag_SystemTime_DtrmnElapsedTime_uS_u16	1	✔
Rte_Call_Sa_MtrDrvDiag_FetFlt2Clk_OP_SET	1	Rte_Call_Sa_MtrDrvDiag_FetFlt2Clk_OP_SET	1	✔
GateDrvWaitTime	1	GateDrvWaitTime	1	✔
Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32	1	Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32	1	✔
Rte_Call_Sa_MtrDrvDiag_SystemTime_DtrmnElapsedTime_uS_u16	1	Rte_Call_Sa_MtrDrvDiag_SystemTime_DtrmnElapsedTime_uS_u16	1	✔
Rte_Call_Sa_MtrDrvDiag_FetFlt1Data_OP_GET	1	Rte_Call_Sa_MtrDrvDiag_FetFlt1Data_OP_GET	1	✔
Rte_Call_Sa_MtrDrvDiag_FetFlt2Clk_OP_SET	1	Rte_Call_Sa_MtrDrvDiag_FetFlt2Clk_OP_SET	1	✔
GateDrvWaitTime	1	GateDrvWaitTime	1	✔
Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32	1	Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32	1	✔
Rte_Call_Sa_MtrDrvDiag_SystemTime_DtrmnElapsedTime_uS_u16	1	Rte_Call_Sa_MtrDrvDiag_SystemTime_DtrmnElapsedTime_uS_u16	1	✔
Rte_Call_Sa_MtrDrvDiag_FetFlt2Clk_OP_SET	1	Rte_Call_Sa_MtrDrvDiag_FetFlt2Clk_OP_SET	1	✔
GateDrvWaitTime	1	GateDrvWaitTime	1	✔
Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32	1	Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32	1	✔
Rte_Call_Sa_MtrDrvDiag_SystemTime_DtrmnElapsedTime_uS_u16	1	Rte_Call_Sa_MtrDrvDiag_SystemTime_DtrmnElapsedTime_uS_u16	1	✔
Rte_Call_Sa_MtrDrvDiag_FetFlt1Data_OP_GET	1	Rte_Call_Sa_MtrDrvDiag_FetFlt1Data_OP_GET	1	✔
Rte_Call_Sa_MtrDrvDiag_FetFlt2Clk_OP_SET	1	Rte_Call_Sa_MtrDrvDiag_FetFlt2Clk_OP_SET	1	✔
GateDrvWaitTime	1	GateDrvWaitTime	1	✔
Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32	1	Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32	1	✔
Rte_Call_Sa_MtrDrvDiag_SystemTime_DtrmnElapsedTime_uS_u16	1	Rte_Call_Sa_MtrDrvDiag_SystemTime_DtrmnElapsedTime_uS_u16	1	✔
Rte_Call_Sa_MtrDrvDiag_FetFlt2Clk_OP_SET	1	Rte_Call_Sa_MtrDrvDiag_FetFlt2Clk_OP_SET	1	✔
GateDrvWaitTime	1	GateDrvWaitTime	1	✔
Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32	1	Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32	1	✔
Rte_Call_Sa_MtrDrvDiag_SystemTime_DtrmnElapsedTime_uS_u16	1	Rte_Call_Sa_MtrDrvDiag_SystemTime_DtrmnElapsedTime_uS_u16	1	✔
Rte_Call_Sa_MtrDrvDiag_FetFlt1Data_OP_GET	1	Rte_Call_Sa_MtrDrvDiag_FetFlt1Data_OP_GET	1	✔
Rte_Call_Sa_MtrDrvDiag_FetFlt2Clk_OP_SET	1	Rte_Call_Sa_MtrDrvDiag_FetFlt2Clk_OP_SET	1	✔
GateDrvWaitTime	1	GateDrvWaitTime	1	✔
Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32	1	Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32	1	✔
Rte_Call_Sa_MtrDrvDiag_SystemTime_DtrmnElapsedTime_uS_u16	1	Rte_Call_Sa_MtrDrvDiag_SystemTime_DtrmnElapsedTime_uS_u16	1	✔
Rte_Call_Sa_MtrDrvDiag_FetFlt2Clk_OP_SET	1	Rte_Call_Sa_MtrDrvDiag_FetFlt2Clk_OP_SET	1	✔
GateDrvWaitTime	1	GateDrvWaitTime	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_FetFlt1Data_OP_GET	1	Rte_Call_Sa_MtrDrvDiag_FetFlt1Data_OP_GET	1	✔
Rte_Call_Sa_MtrDrvDiag_FetFlt2Clk_OP_SET	1	Rte_Call_Sa_MtrDrvDiag_FetFlt2Clk_OP_SET	1	✔
GateDrvWaitTime	1	GateDrvWaitTime	1	✔
Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32	1	Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32	1	✔
Rte_Call_Sa_MtrDrvDiag_SystemTime_DtrmnElapsedTime_uS_u16	1	Rte_Call_Sa_MtrDrvDiag_SystemTime_DtrmnElapsedTime_uS_u16	1	✔
Rte_Call_Sa_MtrDrvDiag_FetFlt2Clk_OP_SET	1	Rte_Call_Sa_MtrDrvDiag_FetFlt2Clk_OP_SET	1	✔
GateDrvWaitTime	1	GateDrvWaitTime	1	✔
Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32	1	Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32	1	✔
Rte_Call_Sa_MtrDrvDiag_SystemTime_DtrmnElapsedTime_uS_u16	1	Rte_Call_Sa_MtrDrvDiag_SystemTime_DtrmnElapsedTime_uS_u16	1	✔
Rte_Call_Sa_MtrDrvDiag_FetFlt1Data_OP_GET	1	Rte_Call_Sa_MtrDrvDiag_FetFlt1Data_OP_GET	1	✔
Rte_Call_Sa_MtrDrvDiag_FetFlt2Clk_OP_SET	1	Rte_Call_Sa_MtrDrvDiag_FetFlt2Clk_OP_SET	1	✔
GateDrvWaitTime	1	GateDrvWaitTime	1	✔
Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32	1	Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32	1	✔
Rte_Call_Sa_MtrDrvDiag_SystemTime_DtrmnElapsedTime_uS_u16	1	Rte_Call_Sa_MtrDrvDiag_SystemTime_DtrmnElapsedTime_uS_u16	1	✔
Rte_Call_Sa_MtrDrvDiag_FetFlt2Clk_OP_SET	1	Rte_Call_Sa_MtrDrvDiag_FetFlt2Clk_OP_SET	1	✔
GateDrvWaitTime	1	GateDrvWaitTime	1	✔
Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32	1	Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32	1	✔
Rte_Call_Sa_MtrDrvDiag_SystemTime_DtrmnElapsedTime_uS_u16	1	Rte_Call_Sa_MtrDrvDiag_SystemTime_DtrmnElapsedTime_uS_u16	1	✔
Rte_Call_Sa_MtrDrvDiag_FetFlt1Data_OP_GET	1	Rte_Call_Sa_MtrDrvDiag_FetFlt1Data_OP_GET	1	✔
Rte_Call_Sa_MtrDrvDiag_FetFlt2Clk_OP_SET	1	Rte_Call_Sa_MtrDrvDiag_FetFlt2Clk_OP_SET	1	✔
GateDrvWaitTime	1	GateDrvWaitTime	1	✔
Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32	1	Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32	1	✔
Rte_Call_Sa_MtrDrvDiag_SystemTime_DtrmnElapsedTime_uS_u16	1	Rte_Call_Sa_MtrDrvDiag_SystemTime_DtrmnElapsedTime_uS_u16	1	✔
Rte_Call_Sa_MtrDrvDiag_IoHwAbPortConfig_SetFetFlt2ToOutput	1	Rte_Call_Sa_MtrDrvDiag_IoHwAbPortConfig_SetFetFlt2ToOutput	1	✔
Rte_Call_Sa_MtrDrvDiag_NxtrDiagMgr_SetNTCStatus	1	Rte_Call_Sa_MtrDrvDiag_NxtrDiagMgr_SetNTCStatus	1	✔
ResetGateDrive	1	ResetGateDrive	1	✔
SuspendAllInterrupts	1	SuspendAllInterrupts	1	✔
Rte_Call_Sa_MtrDrvDiag_FetDrvReset_OP_SET	1	Rte_Call_Sa_MtrDrvDiag_FetDrvReset_OP_SET	1	✔
GateDrvWaitTime	1	GateDrvWaitTime	1	✔
Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32	1	Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32	1	✔
Rte_Call_Sa_MtrDrvDiag_SystemTime_DtrmnElapsedTime_uS_u16	1	Rte_Call_Sa_MtrDrvDiag_SystemTime_DtrmnElapsedTime_uS_u16	1	✔
Rte_Call_Sa_MtrDrvDiag_FetDrvReset_OP_SET	1	Rte_Call_Sa_MtrDrvDiag_FetDrvReset_OP_SET	1	✔
ResumeAllInterrupts	1	ResumeAllInterrupts	1	✔
Rte_Call_MtrDrvDiag_Per1_CP1_CheckpointReached	1	Rte_Call_MtrDrvDiag_Per1_CP1_CheckpointReached	1	✔

Test Step 3.6 (Repeat Count = 1)	✔

Name	Input Value
Rte_Call_Sa_MtrDrvDiag_FetFlt2Clk_OP_GET(signal)	target_Rte_Call_Sa_MtrDrvDiag_FetFlt2Clk_OP_GET_signal
Rte_Call_Sa_MtrDrvDiag_NxtrDiagMgr_GetNTCFailed(NTCFailed_Ptr_T_lgc)	

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_lgc	target_MtrDrvDiag_Per1_MtrDrvrInitComplete_Cnt_lgc		
target_Rte_Inst_Sa_MtrDrvDiag.MtrDrvDiag_Per1_MtrDrvrInitStart_Cnt_lgc	target_MtrDrvDiag_Per1_MtrDrvrInitStart_Cnt_lgc		

Name	Actual Value	Expected Value	Result
SVDiag_FETFaultPhase_Cnt_M_enum	3	3	✔
SVDiag_FETFaultType_Cnt_M_enum	0	0	✔
SVDiag_GateDriveFltAcc_Cnt_M_u16	3667	3667 ± 1	✔
SVDiag_GenGateDriveFltAcc_Cnt_M_u16	100	100 ± 1	✔
SVDiag_MtrDrvInitActive_Cnt_M_lgc	0	0	✔
SVDiag_MtrDrvInitComp_Cnt_M_lgc	1	1	✔
SVDiag_MtrDrvInitStartTime_mS_M_u32p0	20000	20000 ± 1	✔
SVDiag_OnStateFltAcc_Cnt_M_u16	0	0 ± 1	✔
SVDiag_ResetWaitLoop_Cnt_M_lgc	0	0	✔
target_MtrDrvDiag_Per1_FETFaultPhase_Cnt_enum.value	3	3	✔
target_MtrDrvDiag_Per1_FETFaultType_Cnt_enum.value	0	0	✔
target_MtrDrvDiag_Per1_GateDriveResetActive_Cnt_lgc.value	0	0	✔
target_MtrDrvDiag_Per1_MtrDrvrInitComplete_Cnt_lgc.value	1	1	✔
NTC	0x4D	0x4D	✔
Param	0x00	0x00	✔
Status	0x00	0x00	✔
NTC	0x4E	0x4E	✔
Param	0x00	0x00	✔
Status	0x00	0x00	✔
NTC	0x4F	0x4F	✔
Param	0x00	0x00	✔
Status	0x00	0x00	✔

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 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	
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_lg	0	
target_Rte_Call_Sa_MtrDrvDiag_SystemTime_DtrmnElapsedTime_mS_u16_Elapse	47000	
target_Rte_Call_Sa_MtrDrvDiag_SystemTime_DtrmnElapsedTime_uS_u16_Elapse	2222	
target_Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_mS_u32_CurrentTi	900000000	
target_Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32_CurrentTir	1700000	
target_Rte_Inst_Sa_MtrDrvDiag.MtrDrvDiag_Per1_FETFaultPhase_Cnt_enum	target_MtrDrvDiag_Per1_FETFaultPhase_Cnt_enum	
target_Rte_Inst_Sa_MtrDrvDiag.MtrDrvDiag_Per1_FETFaultType_Cnt_enum	target_MtrDrvDiag_Per1_FETFaultType_Cnt_enum	
target_Rte_Inst_Sa_MtrDrvDiag.MtrDrvDiag_Per1_GateDriveResetActive_Cnt_lgc	target_MtrDrvDiag_Per1_GateDriveResetActive_Cnt_lgc	
target_Rte_Inst_Sa_MtrDrvDiag.MtrDrvDiag_Per1_MtrDrvrInitComplete_Cnt_lgc	target_MtrDrvDiag_Per1_MtrDrvrInitComplete_Cnt_lgc	

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	✔
SVDiag_GateDriveFltAcc_Cnt_M_u16	0	0 ± 1	✔
SVDiag_GenGateDriveFltAcc_Cnt_M_u16	140	140 ± 1	✔
SVDiag_MtrDrvInitActive_Cnt_M_lgc	0	0	✔
SVDiag_MtrDrvInitComp_Cnt_M_lgc	1	1	✔
SVDiag_MtrDrvInitStartTime_mS_M_u32p0	400000	400000 ± 1	✔
SVDiag_OnStateFltAcc_Cnt_M_u16	9545	9545 ± 1	✔
SVDiag_ResetWaitLoop_Cnt_M_lgc	0	0	✔
target_MtrDrvDiag_Per1_FETFaultPhase_Cnt_enum.value	0	0	✔
target_MtrDrvDiag_Per1_FETFaultType_Cnt_enum.value	1	1	✔
target_MtrDrvDiag_Per1_GateDriveResetActive_Cnt_lgc.value	0	0	✔
target_MtrDrvDiag_Per1_MtrDrvrInitComplete_Cnt_lgc.value	1	1	✔
NTC	0x4D	0x4D	✔
Param	0x00	0x00	✔
Status	0x00	0x00	✔
NTC	0x4E	0x4E	✔
Param	0x00	0x00	✔
Status	0x00	0x00	✔
NTC	0x4F	0x4F	✔
Param	0x00	0x00	✔
Status	0x00	0x00	✔

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 3.8 (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	1
SVDiag_FETFaultType_Cnt_M_enum	1
SVDiag_GateDriveFltAcc_Cnt_M_u16	8000
SVDiag_GenGateDriveFltAcc_Cnt_M_u16	110
SVDiag_MtrDrvInitActive_Cnt_M_lgc	0
SVDiag_MtrDrvInitComp_Cnt_M_lgc	1
SVDiag_MtrDrvInitStartTime_mS_M_u32p0	100000
SVDiag_OnStateFltAcc_Cnt_M_u16	65535
SVDiag_ResetWaitLoop_Cnt_M_lgc	0
k_GateDriveDiag_Cnt_str.Threshold	50000
k_GateDriveDiag_Cnt_str.PStep	11000
k_GateDriveDiag_Cnt_str.NStep	4444
k_OnStateDiag_Cnt_str.Threshold	11000
k_OnStateDiag_Cnt_str.PStep	24000
k_OnStateDiag_Cnt_str.NStep	2222
target_MtrDrvDiag_Per1_MtrDrvrInitStart_Cnt_lgc.value	0
target_Rte_Call_Sa_MtrDrvDiag_FetFlt2Clk_OP_GET_signal	0
target_Rte_Call_Sa_MtrDrvDiag_NxtrDiagMgr_GetNTCFailed_NTCFailed_Ptr_T_lg	1
target_Rte_Call_Sa_MtrDrvDiag_SystemTime_DtrmnElapsedTime_mS_u16_Elapse	38000
target_Rte_Call_Sa_MtrDrvDiag_SystemTime_DtrmnElapsedTime_uS_u16_Elapse	24100
target_Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_mS_u32_CurrentTi	600000000
target_Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32_CurrentTir	1400000
target_Rte_Inst_Sa_MtrDrvDiag.MtrDrvDiag_Per1_FETFaultPhase_Cnt_enum	target_MtrDrvDiag_Per1_FETFaultPhase_Cnt_enum
target_Rte_Inst_Sa_MtrDrvDiag.MtrDrvDiag_Per1_FETFaultType_Cnt_enum	target_MtrDrvDiag_Per1_FETFaultType_Cnt_enum
target_Rte_Inst_Sa_MtrDrvDiag.MtrDrvDiag_Per1_GateDriveResetActive_Cnt_lgc	target_MtrDrvDiag_Per1_GateDriveResetActive_Cnt_lgc
target_Rte_Inst_Sa_MtrDrvDiag.MtrDrvDiag_Per1_MtrDrvrInitComplete_Cnt_lgc	target_MtrDrvDiag_Per1_MtrDrvrInitComplete_Cnt_lgc
target_Rte_Inst_Sa_MtrDrvDiag.MtrDrvDiag_Per1_MtrDrvrInitStart_Cnt_lgc	target_MtrDrvDiag_Per1_MtrDrvrInitStart_Cnt_lgc

Name	Actual Value	Expected Value	Result
SVDiag_FETFaultPhase_Cnt_M_enum	1	1	✔
SVDiag_FETFaultType_Cnt_M_enum	1	1	✔
SVDiag_GateDriveFltAcc_Cnt_M_u16	3556	3556 ± 1	✔
SVDiag_GenGateDriveFltAcc_Cnt_M_u16	110	110 ± 1	✔
SVDiag_MtrDrvInitActive_Cnt_M_lgc	0	0	✔
SVDiag_MtrDrvInitComp_Cnt_M_lgc	1	1	✔
SVDiag_MtrDrvInitStartTime_mS_M_u32p0	100000	100000 ± 1	✔
SVDiag_OnStateFltAcc_Cnt_M_u16	63313	63313 ± 1	✔
SVDiag_ResetWaitLoop_Cnt_M_lgc	0	0	✔
target_MtrDrvDiag_Per1_FETFaultPhase_Cnt_enum.value	1	1	✔
target_MtrDrvDiag_Per1_FETFaultType_Cnt_enum.value	1	1	✔
target_MtrDrvDiag_Per1_GateDriveResetActive_Cnt_lgc.value	0	0	✔
target_MtrDrvDiag_Per1_MtrDrvrInitComplete_Cnt_lgc.value	1	1	✔
NTC	0x4D	0x4D	✔
Param	0x00	0x00	✔
Status	0x00	0x00	✔
NTC	0x4E	0x4E	✔
Param	0x00	0x00	✔
Status	0x00	0x00	✔
NTC	0x4F	0x4F	✔
Param	0x00	0x00	✔
Status	0x00	0x00	✔

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 3.9 (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	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_lgc	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_FETFaultPhase_Cnt_enum
target_Rte_Inst_Sa_MtrDrvDiag.MtrDrvDiag_Per1_FETFaultType_Cnt_enum	target_MtrDrvDiag_Per1_FETFaultType_Cnt_enum
target_Rte_Inst_Sa_MtrDrvDiag.MtrDrvDiag_Per1_GateDriveResetActive_Cnt_lgc	target_MtrDrvDiag_Per1_GateDriveResetActive_Cnt_lgc
target_Rte_Inst_Sa_MtrDrvDiag.MtrDrvDiag_Per1_MtrDrvrInitComplete_Cnt_lgc	target_MtrDrvDiag_Per1_MtrDrvrInitComplete_Cnt_lgc
target_Rte_Inst_Sa_MtrDrvDiag.MtrDrvDiag_Per1_MtrDrvrInitStart_Cnt_lgc	target_MtrDrvDiag_Per1_MtrDrvrInitStart_Cnt_lgc

Name	Actual Value	Expected Value	Result
SVDiag_FETFaultPhase_Cnt_M_enum	1	1	✔
SVDiag_FETFaultType_Cnt_M_enum	1	1	✔
SVDiag_GateDriveFltAcc_Cnt_M_u16	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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MtrDrvDiag_Per1

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	✔
ReadMtrDrvFltData	1	ReadMtrDrvFltData	1	✔
Rte_Call_Sa_MtrDrvDiag_IoHwAbPortConfig_SetFetFlt2ToOutput	1	Rte_Call_Sa_MtrDrvDiag_IoHwAbPortConfig_SetFetFlt2ToOutput	1	✔
Rte_Call_Sa_MtrDrvDiag_FetFlt2Clk_OP_SET	1	Rte_Call_Sa_MtrDrvDiag_FetFlt2Clk_OP_SET	1	✔
GateDrvWaitTime	1	GateDrvWaitTime	1	✔
Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32	1	Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32	1	✔
Rte_Call_Sa_MtrDrvDiag_SystemTime_DtrmnElapsedTime_uS_u16	1	Rte_Call_Sa_MtrDrvDiag_SystemTime_DtrmnElapsedTime_uS_u16	1	✔
Rte_Call_Sa_MtrDrvDiag_FetFlt1Data_OP_GET	1	Rte_Call_Sa_MtrDrvDiag_FetFlt1Data_OP_GET	1	✔
Rte_Call_Sa_MtrDrvDiag_FetFlt2Clk_OP_SET	1	Rte_Call_Sa_MtrDrvDiag_FetFlt2Clk_OP_SET	1	✔
GateDrvWaitTime	1	GateDrvWaitTime	1	✔
Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32	1	Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32	1	✔
Rte_Call_Sa_MtrDrvDiag_SystemTime_DtrmnElapsedTime_uS_u16	1	Rte_Call_Sa_MtrDrvDiag_SystemTime_DtrmnElapsedTime_uS_u16	1	✔
Rte_Call_Sa_MtrDrvDiag_FetFlt2Clk_OP_SET	1	Rte_Call_Sa_MtrDrvDiag_FetFlt2Clk_OP_SET	1	✔
GateDrvWaitTime	1	GateDrvWaitTime	1	✔
Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32	1	Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32	1	✔
Rte_Call_Sa_MtrDrvDiag_SystemTime_DtrmnElapsedTime_uS_u16	1	Rte_Call_Sa_MtrDrvDiag_SystemTime_DtrmnElapsedTime_uS_u16	1	✔
Rte_Call_Sa_MtrDrvDiag_FetFlt1Data_OP_GET	1	Rte_Call_Sa_MtrDrvDiag_FetFlt1Data_OP_GET	1	✔
Rte_Call_Sa_MtrDrvDiag_FetFlt2Clk_OP_SET	1	Rte_Call_Sa_MtrDrvDiag_FetFlt2Clk_OP_SET	1	✔
GateDrvWaitTime	1	GateDrvWaitTime	1	✔
Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32	1	Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32	1	✔
Rte_Call_Sa_MtrDrvDiag_SystemTime_DtrmnElapsedTime_uS_u16	1	Rte_Call_Sa_MtrDrvDiag_SystemTime_DtrmnElapsedTime_uS_u16	1	✔
Rte_Call_Sa_MtrDrvDiag_FetFlt2Clk_OP_SET	1	Rte_Call_Sa_MtrDrvDiag_FetFlt2Clk_OP_SET	1	✔
GateDrvWaitTime	1	GateDrvWaitTime	1	✔
Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32	1	Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32	1	✔
Rte_Call_Sa_MtrDrvDiag_SystemTime_DtrmnElapsedTime_uS_u16	1	Rte_Call_Sa_MtrDrvDiag_SystemTime_DtrmnElapsedTime_uS_u16	1	✔
Rte_Call_Sa_MtrDrvDiag_FetFlt1Data_OP_GET	1	Rte_Call_Sa_MtrDrvDiag_FetFlt1Data_OP_GET	1	✔
Rte_Call_Sa_MtrDrvDiag_FetFlt2Clk_OP_SET	1	Rte_Call_Sa_MtrDrvDiag_FetFlt2Clk_OP_SET	1	✔
GateDrvWaitTime	1	GateDrvWaitTime	1	✔
Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32	1	Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32	1	✔
Rte_Call_Sa_MtrDrvDiag_SystemTime_DtrmnElapsedTime_uS_u16	1	Rte_Call_Sa_MtrDrvDiag_SystemTime_DtrmnElapsedTime_uS_u16	1	✔
Rte_Call_Sa_MtrDrvDiag_FetFlt2Clk_OP_SET	1	Rte_Call_Sa_MtrDrvDiag_FetFlt2Clk_OP_SET	1	✔
GateDrvWaitTime	1	GateDrvWaitTime	1	✔
Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32	1	Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32	1	✔
Rte_Call_Sa_MtrDrvDiag_SystemTime_DtrmnElapsedTime_uS_u16	1	Rte_Call_Sa_MtrDrvDiag_SystemTime_DtrmnElapsedTime_uS_u16	1	✔
Rte_Call_Sa_MtrDrvDiag_FetFlt1Data_OP_GET	1	Rte_Call_Sa_MtrDrvDiag_FetFlt1Data_OP_GET	1	✔
Rte_Call_Sa_MtrDrvDiag_FetFlt2Clk_OP_SET	1	Rte_Call_Sa_MtrDrvDiag_FetFlt2Clk_OP_SET	1	✔
GateDrvWaitTime	1	GateDrvWaitTime	1	✔
Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32	1	Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32	1	✔
Rte_Call_Sa_MtrDrvDiag_SystemTime_DtrmnElapsedTime_uS_u16	1	Rte_Call_Sa_MtrDrvDiag_SystemTime_DtrmnElapsedTime_uS_u16	1	✔
Rte_Call_Sa_MtrDrvDiag_FetFlt2Clk_OP_SET	1	Rte_Call_Sa_MtrDrvDiag_FetFlt2Clk_OP_SET	1	✔
GateDrvWaitTime	1	GateDrvWaitTime	1	✔
Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32	1	Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32	1	✔
Rte_Call_Sa_MtrDrvDiag_SystemTime_DtrmnElapsedTime_uS_u16	1	Rte_Call_Sa_MtrDrvDiag_SystemTime_DtrmnElapsedTime_uS_u16	1	✔
Rte_Call_Sa_MtrDrvDiag_FetFlt1Data_OP_GET	1	Rte_Call_Sa_MtrDrvDiag_FetFlt1Data_OP_GET	1	✔
Rte_Call_Sa_MtrDrvDiag_FetFlt2Clk_OP_SET	1	Rte_Call_Sa_MtrDrvDiag_FetFlt2Clk_OP_SET	1	✔
GateDrvWaitTime	1	GateDrvWaitTime	1	✔
Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32	1	Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32	1	✔
Rte_Call_Sa_MtrDrvDiag_SystemTime_DtrmnElapsedTime_uS_u16	1	Rte_Call_Sa_MtrDrvDiag_SystemTime_DtrmnElapsedTime_uS_u16	1	✔
Rte_Call_Sa_MtrDrvDiag_FetFlt2Clk_OP_SET	1	Rte_Call_Sa_MtrDrvDiag_FetFlt2Clk_OP_SET	1	✔
GateDrvWaitTime	1	GateDrvWaitTime	1	✔
Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32	1	Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32	1	✔
Rte_Call_Sa_MtrDrvDiag_SystemTime_DtrmnElapsedTime_uS_u16	1	Rte_Call_Sa_MtrDrvDiag_SystemTime_DtrmnElapsedTime_uS_u16	1	✔
Rte_Call_Sa_MtrDrvDiag_FetFlt1Data_OP_GET	1	Rte_Call_Sa_MtrDrvDiag_FetFlt1Data_OP_GET	1	✔
Rte_Call_Sa_MtrDrvDiag_FetFlt2Clk_OP_SET	1	Rte_Call_Sa_MtrDrvDiag_FetFlt2Clk_OP_SET	1	✔
GateDrvWaitTime	1	GateDrvWaitTime	1	✔
Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32	1	Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32	1	✔
Rte_Call_Sa_MtrDrvDiag_SystemTime_DtrmnElapsedTime_uS_u16	Count	Rte_Call_Sa_MtrDrvDiag_SystemTime_DtrmnElapsedTime_uS_u16	Count	✔
Rte_Call_Sa_MtrDrvDiag_FetFlt2Clk_OP_SET	1	Rte_Call_Sa_MtrDrvDiag_FetFlt2Clk_OP_SET	1	✔
GateDrvWaitTime	1	GateDrvWaitTime	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_FetFlt1Data_OP_GET	1	Rte_Call_Sa_MtrDrvDiag_FetFlt1Data_OP_GET	1	✔
Rte_Call_Sa_MtrDrvDiag_FetFlt2Clk_OP_SET	1	Rte_Call_Sa_MtrDrvDiag_FetFlt2Clk_OP_SET	1	✔
GateDrvWaitTime	1	GateDrvWaitTime	1	✔
Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32	1	Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32	1	✔
Rte_Call_Sa_MtrDrvDiag_SystemTime_DtrmnElapsedTime_uS_u16	1	Rte_Call_Sa_MtrDrvDiag_SystemTime_DtrmnElapsedTime_uS_u16	1	✔
Rte_Call_Sa_MtrDrvDiag_FetFlt2Clk_OP_SET	1	Rte_Call_Sa_MtrDrvDiag_FetFlt2Clk_OP_SET	1	✔
GateDrvWaitTime	1	GateDrvWaitTime	1	✔
Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32	1	Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32	1	✔
Rte_Call_Sa_MtrDrvDiag_SystemTime_DtrmnElapsedTime_uS_u16	1	Rte_Call_Sa_MtrDrvDiag_SystemTime_DtrmnElapsedTime_uS_u16	1	✔
Rte_Call_Sa_MtrDrvDiag_FetFlt1Data_OP_GET	1	Rte_Call_Sa_MtrDrvDiag_FetFlt1Data_OP_GET	1	✔
Rte_Call_Sa_MtrDrvDiag_FetFlt2Clk_OP_SET	1	Rte_Call_Sa_MtrDrvDiag_FetFlt2Clk_OP_SET	1	✔
GateDrvWaitTime	1	GateDrvWaitTime	1	✔
Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32	1	Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32	1	✔
Rte_Call_Sa_MtrDrvDiag_SystemTime_DtrmnElapsedTime_uS_u16	1	Rte_Call_Sa_MtrDrvDiag_SystemTime_DtrmnElapsedTime_uS_u16	1	✔
Rte_Call_Sa_MtrDrvDiag_FetFlt2Clk_OP_SET	1	Rte_Call_Sa_MtrDrvDiag_FetFlt2Clk_OP_SET	1	✔
GateDrvWaitTime	1	GateDrvWaitTime	1	✔
Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32	1	Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32	1	✔
Rte_Call_Sa_MtrDrvDiag_SystemTime_DtrmnElapsedTime_uS_u16	1	Rte_Call_Sa_MtrDrvDiag_SystemTime_DtrmnElapsedTime_uS_u16	1	✔
Rte_Call_Sa_MtrDrvDiag_FetFlt1Data_OP_GET	1	Rte_Call_Sa_MtrDrvDiag_FetFlt1Data_OP_GET	1	✔
Rte_Call_Sa_MtrDrvDiag_FetFlt2Clk_OP_SET	1	Rte_Call_Sa_MtrDrvDiag_FetFlt2Clk_OP_SET	1	✔
GateDrvWaitTime	1	GateDrvWaitTime	1	✔
Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32	1	Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_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	✔

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/Specification	
Name	**Text**

Module 'MtrDrvDiag'

```
*****************************************UNIT TEST DESCRIPTION*****************************************
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): 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 ""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 68 Cycles TC1.2 1190725 Cycles
Description	Vector Description TS1.1"Shortest Execution Path: ((*OnStateFltAccPtr_Cnt_T_u16)<((k_GateDriveDiag_Cnt_str.Threshold)-(k_GateDriveDiag_Cnt_str.PStep) =False && ((*OnStateFltAccPtr_Cnt_T_u16)<((k_GateDriveDiag_Cnt_str.Threshold)-(k_GateDriveDiag_Cnt_str.PStep) =True && (TRUE == DiagFailed_m(*OnStateFltAccPtr_Cnt_T_u16, k_OnStateDiag_Cnt_str))=False " TS1.2"Longest Execution Path: ((*OnStateFltAccPtr_Cnt_T_u16)<((k_GateDriveDiag_Cnt_str.Threshold)-(k_GateDriveDiag_Cnt_str.PStep) =False && ((*OnStateFltAccPtr_Cnt_T_u16)<((k_GateDriveDiag_Cnt_str.Threshold)-(k_GateDriveDiag_Cnt_str.PStep) =True && (TRUE == DiagFailed_m(*OnStateFltAccPtr_Cnt_T_u16, k_OnStateDiag_Cnt_str))=True && (TRUE == OnStateFltActive_Cnt_T_lgc) =False && FaultedPhases_Cnt_T_u16 > 1U) =False && (FaultedPhases_Cnt_T_u16 == 1U) =False && (*GenGateDriveFltAccPtr_Cnt_T_u16 >= 100U) "

Test Step 1.1 (Repeat Count = 1) ✔

Name	Input Value
GenGateDriveFltAccPtr_Cnt_T_u16	target_GenGateDriveFltAccPtr_Cnt_T_u16
OnStateFltAccPtr_Cnt_T_u16	target_OnStateFltAccPtr_Cnt_T_u16
Rte_Call_Sa_MtrDrvDiag_NxtrDiagMgr_GetNTCFailed(NTCFailed_Ptr_T_lgc)	target_Rte_Call_Sa_MtrDrvDiag_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_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)	0	*none*	✔
Rte_Call_Sa_MtrDrvDiag_NxtrDiagMgr_SetNTCStatus(Param_Cnt_T_u08)	0	*none*	✔
Rte_Call_Sa_MtrDrvDiag_NxtrDiagMgr_SetNTCStatus(Status_Cnt_T_enum)	0	*none*	✔
SVDiag_FETFaultPhase_Cnt_M_enum	2	2	✔
SVDiag_FETFaultType_Cnt_M_enum	2	2	✔
SVDiag_ResetWaitLoop_Cnt_M_lgc	1	1	✔
target_GenGateDriveFltAccPtr_Cnt_T_u16	20	20	✔
target_OnStateFltAccPtr_Cnt_T_u16	2031	2031	✔

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

Test Step 1.2 (Repeat Count = 1) ✔

Name	Input Value
GenGateDriveFltAccPtr_Cnt_T_u16	target_GenGateDriveFltAccPtr_Cnt_T_u16
OnStateFltAccPtr_Cnt_T_u16	target_OnStateFltAccPtr_Cnt_T_u16
Rte_Call_Sa_MtrDrvDiag_NxtrDiagMgr_GetNTCFailed(NTCFailed_Ptr_T_lgc)	target_Rte_Call_Sa_MtrDrvDiag_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_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_lg	0
target_Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32_CurrentTir	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	✔
			✔

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

T ✔

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_IoHwAbPortConfig_SetFetFlt2ToOutput	1	Rte_Call_Sa_MtrDrvDiag_IoHwAbPortConfig_SetFetFlt2ToOutput	1	✔
Rte_Call_Sa_MtrDrvDiag_FetFlt2Clk_OP_SET	1	Rte_Call_Sa_MtrDrvDiag_FetFlt2Clk_OP_SET	1	✔
GateDrvWaitTime	1	GateDrvWaitTime	1	✔
Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32	1	Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32	1	✔
Rte_Call_Sa_MtrDrvDiag_SystemTime_DtrmnElapsedTime_uS_u16	1	Rte_Call_Sa_MtrDrvDiag_SystemTime_DtrmnElapsedTime_uS_u16	1	✔
Rte_Call_Sa_MtrDrvDiag_FetFlt1Data_OP_GET	1	Rte_Call_Sa_MtrDrvDiag_FetFlt1Data_OP_GET	1	✔
Rte_Call_Sa_MtrDrvDiag_FetFlt2Clk_OP_SET	1	Rte_Call_Sa_MtrDrvDiag_FetFlt2Clk_OP_SET	1	✔
GateDrvWaitTime	1	GateDrvWaitTime	1	✔
Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32	1	Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32	1	✔
Rte_Call_Sa_MtrDrvDiag_SystemTime_DtrmnElapsedTime_uS_u16	1	Rte_Call_Sa_MtrDrvDiag_SystemTime_DtrmnElapsedTime_uS_u16	1	✔
Rte_Call_Sa_MtrDrvDiag_FetFlt2Clk_OP_SET	1	Rte_Call_Sa_MtrDrvDiag_FetFlt2Clk_OP_SET	1	✔
GateDrvWaitTime	1	GateDrvWaitTime	1	✔
Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32	1	Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32	1	✔
Rte_Call_Sa_MtrDrvDiag_SystemTime_DtrmnElapsedTime_uS_u16	1	Rte_Call_Sa_MtrDrvDiag_SystemTime_DtrmnElapsedTime_uS_u16	1	✔
Rte_Call_Sa_MtrDrvDiag_FetFlt1Data_OP_GET	1	Rte_Call_Sa_MtrDrvDiag_FetFlt1Data_OP_GET	1	✔
Rte_Call_Sa_MtrDrvDiag_FetFlt2Clk_OP_SET	1	Rte_Call_Sa_MtrDrvDiag_FetFlt2Clk_OP_SET	1	✔
GateDrvWaitTime	1	GateDrvWaitTime	1	✔
Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32	1	Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32	1	✔
Rte_Call_Sa_MtrDrvDiag_SystemTime_DtrmnElapsedTime_uS_u16	1	Rte_Call_Sa_MtrDrvDiag_SystemTime_DtrmnElapsedTime_uS_u16	1	✔
Rte_Call_Sa_MtrDrvDiag_FetFlt2Clk_OP_SET	1	Rte_Call_Sa_MtrDrvDiag_FetFlt2Clk_OP_SET	1	✔
GateDrvWaitTime	1	GateDrvWaitTime	1	✔
Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32	1	Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32	1	✔
Rte_Call_Sa_MtrDrvDiag_SystemTime_DtrmnElapsedTime_uS_u16	253	Rte_Call_Sa_MtrDrvDiag_SystemTime_DtrmnElapsedTime_uS_u16	253	✔
Rte_Call_Sa_MtrDrvDiag_FetFlt1Data_OP_GET	1	Rte_Call_Sa_MtrDrvDiag_FetFlt1Data_OP_GET	1	✔
Rte_Call_Sa_MtrDrvDiag_FetFlt2Clk_OP_SET	1	Rte_Call_Sa_MtrDrvDiag_FetFlt2Clk_OP_SET	1	✔
GateDrvWaitTime	1	GateDrvWaitTime	1	✔
Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32	1	Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32	1	✔
Rte_Call_Sa_MtrDrvDiag_SystemTime_DtrmnElapsedTime_uS_u16	1	Rte_Call_Sa_MtrDrvDiag_SystemTime_DtrmnElapsedTime_uS_u16	1	✔
Rte_Call_Sa_MtrDrvDiag_FetFlt2Clk_OP_SET	1	Rte_Call_Sa_MtrDrvDiag_FetFlt2Clk_OP_SET	1	✔
GateDrvWaitTime	1	GateDrvWaitTime	1	✔
Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32	1	Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32	1	✔
Rte_Call_Sa_MtrDrvDiag_SystemTime_DtrmnElapsedTime_uS_u16	1	Rte_Call_Sa_MtrDrvDiag_SystemTime_DtrmnElapsedTime_uS_u16	1	✔
Rte_Call_Sa_MtrDrvDiag_FetFlt1Data_OP_GET	1	Rte_Call_Sa_MtrDrvDiag_FetFlt1Data_OP_GET	1	✔
Rte_Call_Sa_MtrDrvDiag_FetFlt2Clk_OP_SET	1	Rte_Call_Sa_MtrDrvDiag_FetFlt2Clk_OP_SET	1	✔
GateDrvWaitTime	1	GateDrvWaitTime	1	✔
Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32	1	Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32	1	✔
Rte_Call_Sa_MtrDrvDiag_SystemTime_DtrmnElapsedTime_uS_u16	1	Rte_Call_Sa_MtrDrvDiag_SystemTime_DtrmnElapsedTime_uS_u16	1	✔
Rte_Call_Sa_MtrDrvDiag_FetFlt2Clk_OP_SET	1	Rte_Call_Sa_MtrDrvDiag_FetFlt2Clk_OP_SET	1	✔
GateDrvWaitTime	1	GateDrvWaitTime	1	✔
Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32	1	Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32	1	✔
Rte_Call_Sa_MtrDrvDiag_SystemTime_DtrmnElapsedTime_uS_u16	253	Rte_Call_Sa_MtrDrvDiag_SystemTime_DtrmnElapsedTime_uS_u16	253	✔
Rte_Call_Sa_MtrDrvDiag_FetFlt1Data_OP_GET	1	Rte_Call_Sa_MtrDrvDiag_FetFlt1Data_OP_GET	1	✔
Rte_Call_Sa_MtrDrvDiag_FetFlt2Clk_OP_SET	1	Rte_Call_Sa_MtrDrvDiag_FetFlt2Clk_OP_SET	1	✔
GateDrvWaitTime	1	GateDrvWaitTime	1	✔
Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32	1	Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32	1	✔
Rte_Call_Sa_MtrDrvDiag_SystemTime_DtrmnElapsedTime_uS_u16	1	Rte_Call_Sa_MtrDrvDiag_SystemTime_DtrmnElapsedTime_uS_u16	1	✔
Rte_Call_Sa_MtrDrvDiag_FetFlt2Clk_OP_SET	1	Rte_Call_Sa_MtrDrvDiag_FetFlt2Clk_OP_SET	1	✔
GateDrvWaitTime	1	GateDrvWaitTime	1	✔
Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32	1	Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32	1	✔
Rte_Call_Sa_MtrDrvDiag_SystemTime_DtrmnElapsedTime_uS_u16	1	Rte_Call_Sa_MtrDrvDiag_SystemTime_DtrmnElapsedTime_uS_u16	1	✔
Rte_Call_Sa_MtrDrvDiag_FetFlt1Data_OP_GET	1	Rte_Call_Sa_MtrDrvDiag_FetFlt1Data_OP_GET	1	✔
Rte_Call_Sa_MtrDrvDiag_FetFlt2Clk_OP_SET	1	Rte_Call_Sa_MtrDrvDiag_FetFlt2Clk_OP_SET	1	✔
GateDrvWaitTime	1	GateDrvWaitTime	1	✔
Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32	1	Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32	1	✔
Rte_Call_Sa_MtrDrvDiag_SystemTime_DtrmnElapsedTime_uS_u16	1	Rte_Call_Sa_MtrDrvDiag_SystemTime_DtrmnElapsedTime_uS_u16	1	✔
Rte_Call_Sa_MtrDrvDiag_FetFlt2Clk_OP_SET	1	Rte_Call_Sa_MtrDrvDiag_FetFlt2Clk_OP_SET	1	✔
GateDrvWaitTime	1	GateDrvWaitTime	1	✔
Rte_Call_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	Count	✔
Rte_Call_Sa_MtrDrvDiag_FetFlt2Clk_OP_SET	1	Rte_Call_Sa_MtrDrvDiag_FetFlt2Clk_OP_SET	1	✔
GateDrvWaitTime	1	GateDrvWaitTime	1	✔

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

Test Case 2: Boundary Test ✔

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

TC2.1 1202989 Cycles
TC2.2 1198188 Cycles
TC2.3 1198036 Cycles
TC2.4 1197712 Cycles
TC2.5 1198050 Cycles
TC2.6 1195791 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
TC2.13 1207741 Cycles
TC2.14 1205823 Cycles
TC2.15 1198495 Cycles
TC2.16 1329144 Cycles
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Description   Vector Description

TS2.1OnStateFltAccPtr_Cnt_T_u16=min
TS2.2OnStateFltAccPtr_Cnt_T_u16=max
TS2.3OnStateFltAccPtr_Cnt_T_u16=pos
TS2.4GenGateDriveFltAccPtr_Cnt_T_u16=min
TS2.5GenGateDriveFltAccPtr_Cnt_T_u16=max
TS2.6GenGateDriveFltAccPtr_Cnt_T_u16=pos
TS2.7k_OnStateDiag_Cnt_str.Threshold=min
TS2.8k_OnStateDiag_Cnt_str.Threshold=max
TS2.9k_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

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_lgc	0
target_Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32_CurrentTir	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	✔

T	✔

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_IoHwAbPortConfig_SetFetFlt2ToOutput	1	Rte_Call_Sa_MtrDrvDiag_IoHwAbPortConfig_SetFetFlt2ToOutput	1	✔
Rte_Call_Sa_MtrDrvDiag_FetFlt2Clk_OP_SET	1	Rte_Call_Sa_MtrDrvDiag_FetFlt2Clk_OP_SET	1	✔
GateDrvWaitTime	1	GateDrvWaitTime	1	✔
Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32	1	Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32	1	✔
Rte_Call_Sa_MtrDrvDiag_SystemTime_DtrmnElapsedTime_uS_u16	1	Rte_Call_Sa_MtrDrvDiag_SystemTime_DtrmnElapsedTime_uS_u16	1	✔
Rte_Call_Sa_MtrDrvDiag_FetFlt1Data_OP_GET	1	Rte_Call_Sa_MtrDrvDiag_FetFlt1Data_OP_GET	1	✔
Rte_Call_Sa_MtrDrvDiag_FetFlt2Clk_OP_SET	1	Rte_Call_Sa_MtrDrvDiag_FetFlt2Clk_OP_SET	1	✔
GateDrvWaitTime	1	GateDrvWaitTime	1	✔
Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32	1	Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32	1	✔
Rte_Call_Sa_MtrDrvDiag_SystemTime_DtrmnElapsedTime_uS_u16	1	Rte_Call_Sa_MtrDrvDiag_SystemTime_DtrmnElapsedTime_uS_u16	1	✔
Rte_Call_Sa_MtrDrvDiag_FetFlt2Clk_OP_SET	1	Rte_Call_Sa_MtrDrvDiag_FetFlt2Clk_OP_SET	1	✔
GateDrvWaitTime	1	GateDrvWaitTime	1	✔
Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32	1	Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32	1	✔
Rte_Call_Sa_MtrDrvDiag_SystemTime_DtrmnElapsedTime_uS_u16	1	Rte_Call_Sa_MtrDrvDiag_SystemTime_DtrmnElapsedTime_uS_u16	1	✔
Rte_Call_Sa_MtrDrvDiag_FetFlt1Data_OP_GET	1	Rte_Call_Sa_MtrDrvDiag_FetFlt1Data_OP_GET	1	✔
Rte_Call_Sa_MtrDrvDiag_FetFlt2Clk_OP_SET	1	Rte_Call_Sa_MtrDrvDiag_FetFlt2Clk_OP_SET	1	✔
GateDrvWaitTime	1	GateDrvWaitTime	1	✔
Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32	1	Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32	1	✔
Rte_Call_Sa_MtrDrvDiag_SystemTime_DtrmnElapsedTime_uS_u16	1	Rte_Call_Sa_MtrDrvDiag_SystemTime_DtrmnElapsedTime_uS_u16	1	✔
Rte_Call_Sa_MtrDrvDiag_FetFlt2Clk_OP_SET	1	Rte_Call_Sa_MtrDrvDiag_FetFlt2Clk_OP_SET	1	✔
GateDrvWaitTime	1	GateDrvWaitTime	1	✔
Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32	1	Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32	1	✔
Rte_Call_Sa_MtrDrvDiag_SystemTime_DtrmnElapsedTime_uS_u16	253	Rte_Call_Sa_MtrDrvDiag_SystemTime_DtrmnElapsedTime_uS_u16	253	✔
Rte_Call_Sa_MtrDrvDiag_FetFlt1Data_OP_GET	1	Rte_Call_Sa_MtrDrvDiag_FetFlt1Data_OP_GET	1	✔
Rte_Call_Sa_MtrDrvDiag_FetFlt2Clk_OP_SET	1	Rte_Call_Sa_MtrDrvDiag_FetFlt2Clk_OP_SET	1	✔
GateDrvWaitTime	1	GateDrvWaitTime	1	✔
Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32	1	Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32	1	✔
Rte_Call_Sa_MtrDrvDiag_SystemTime_DtrmnElapsedTime_uS_u16	1	Rte_Call_Sa_MtrDrvDiag_SystemTime_DtrmnElapsedTime_uS_u16	1	✔
Rte_Call_Sa_MtrDrvDiag_FetFlt2Clk_OP_SET	1	Rte_Call_Sa_MtrDrvDiag_FetFlt2Clk_OP_SET	1	✔
GateDrvWaitTime	1	GateDrvWaitTime	1	✔
Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32	1	Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32	1	✔
Rte_Call_Sa_MtrDrvDiag_SystemTime_DtrmnElapsedTime_uS_u16	1	Rte_Call_Sa_MtrDrvDiag_SystemTime_DtrmnElapsedTime_uS_u16	1	✔
Rte_Call_Sa_MtrDrvDiag_FetFlt1Data_OP_GET	1	Rte_Call_Sa_MtrDrvDiag_FetFlt1Data_OP_GET	1	✔
Rte_Call_Sa_MtrDrvDiag_FetFlt2Clk_OP_SET	1	Rte_Call_Sa_MtrDrvDiag_FetFlt2Clk_OP_SET	1	✔
GateDrvWaitTime	1	GateDrvWaitTime	1	✔
Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32	1	Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32	1	✔
Rte_Call_Sa_MtrDrvDiag_SystemTime_DtrmnElapsedTime_uS_u16	1	Rte_Call_Sa_MtrDrvDiag_SystemTime_DtrmnElapsedTime_uS_u16	1	✔
Rte_Call_Sa_MtrDrvDiag_FetFlt2Clk_OP_SET	1	Rte_Call_Sa_MtrDrvDiag_FetFlt2Clk_OP_SET	1	✔
GateDrvWaitTime	1	GateDrvWaitTime	1	✔
Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32	1	Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32	1	✔
Rte_Call_Sa_MtrDrvDiag_SystemTime_DtrmnElapsedTime_uS_u16	253	Rte_Call_Sa_MtrDrvDiag_SystemTime_DtrmnElapsedTime_uS_u16	253	✔
Rte_Call_Sa_MtrDrvDiag_FetFlt1Data_OP_GET	1	Rte_Call_Sa_MtrDrvDiag_FetFlt1Data_OP_GET	1	✔
Rte_Call_Sa_MtrDrvDiag_FetFlt2Clk_OP_SET	1	Rte_Call_Sa_MtrDrvDiag_FetFlt2Clk_OP_SET	1	✔
GateDrvWaitTime	1	GateDrvWaitTime	1	✔
Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32	1	Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32	1	✔
Rte_Call_Sa_MtrDrvDiag_SystemTime_DtrmnElapsedTime_uS_u16	1	Rte_Call_Sa_MtrDrvDiag_SystemTime_DtrmnElapsedTime_uS_u16	1	✔
Rte_Call_Sa_MtrDrvDiag_FetFlt2Clk_OP_SET	1	Rte_Call_Sa_MtrDrvDiag_FetFlt2Clk_OP_SET	1	✔
GateDrvWaitTime	1	GateDrvWaitTime	1	✔
Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32	1	Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32	1	✔
Rte_Call_Sa_MtrDrvDiag_SystemTime_DtrmnElapsedTime_uS_u16	1	Rte_Call_Sa_MtrDrvDiag_SystemTime_DtrmnElapsedTime_uS_u16	1	✔
Rte_Call_Sa_MtrDrvDiag_FetFlt1Data_OP_GET	1	Rte_Call_Sa_MtrDrvDiag_FetFlt1Data_OP_GET	1	✔
Rte_Call_Sa_MtrDrvDiag_FetFlt2Clk_OP_SET	1	Rte_Call_Sa_MtrDrvDiag_FetFlt2Clk_OP_SET	1	✔
GateDrvWaitTime	1	GateDrvWaitTime	1	✔
Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32	1	Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32	1	✔
Rte_Call_Sa_MtrDrvDiag_SystemTime_DtrmnElapsedTime_uS_u16	1	Rte_Call_Sa_MtrDrvDiag_SystemTime_DtrmnElapsedTime_uS_u16	1	✔
Rte_Call_Sa_MtrDrvDiag_FetFlt2Clk_OP_SET	1	Rte_Call_Sa_MtrDrvDiag_FetFlt2Clk_OP_SET	1	✔
GateDrvWaitTime	1	GateDrvWaitTime	1	✔
Rte_Call_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	Count	✔
Rte_Call_Sa_MtrDrvDiag_FetFlt2Clk_OP_SET	1	Rte_Call_Sa_MtrDrvDiag_FetFlt2Clk_OP_SET	1	✔
GateDrvWaitTime	1	GateDrvWaitTime	1	✔

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

Test Step 2.2 (Repeat Count = 1) ✔

Name	Input Value
GenGateDriveFltAccPtr_Cnt_T_u16	target_GenGateDriveFltAccPtr_Cnt_T_u16
OnStateFltAccPtr_Cnt_T_u16	target_OnStateFltAccPtr_Cnt_T_u16
Rte_Call_Sa_MtrDrvDiag_NxtrDiagMgr_GetNTCFailed(NTCFailed_Ptr_T_lgc)	target_Rte_Call_Sa_MtrDrvDiag_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_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_lg	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	✔

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_lg	0

Name	Input Value			
target_Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32_CurrentTir	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	✔

Name	Input Value			
target_Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32_CurrentTir	2000			

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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_IoHwAbPortConfig_SetFetFlt2ToOutput	1	Rte_Call_Sa_MtrDrvDiag_IoHwAbPortConfig_SetFetFlt2ToOutput	1	✔
Rte_Call_Sa_MtrDrvDiag_FetFlt2Clk_OP_SET	1	Rte_Call_Sa_MtrDrvDiag_FetFlt2Clk_OP_SET	1	✔
GateDrvWaitTime	1	GateDrvWaitTime	1	✔
Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32	1	Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32	1	✔
Rte_Call_Sa_MtrDrvDiag_SystemTime_DtrmnElapsedTime_uS_u16	1	Rte_Call_Sa_MtrDrvDiag_SystemTime_DtrmnElapsedTime_uS_u16	1	✔
Rte_Call_Sa_MtrDrvDiag_FetFlt1Data_OP_GET	1	Rte_Call_Sa_MtrDrvDiag_FetFlt1Data_OP_GET	1	✔
Rte_Call_Sa_MtrDrvDiag_FetFlt2Clk_OP_SET	1	Rte_Call_Sa_MtrDrvDiag_FetFlt2Clk_OP_SET	1	✔
GateDrvWaitTime	1	GateDrvWaitTime	1	✔
Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32	1	Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32	1	✔
Rte_Call_Sa_MtrDrvDiag_SystemTime_DtrmnElapsedTime_uS_u16	1	Rte_Call_Sa_MtrDrvDiag_SystemTime_DtrmnElapsedTime_uS_u16	1	✔
Rte_Call_Sa_MtrDrvDiag_FetFlt2Clk_OP_SET	1	Rte_Call_Sa_MtrDrvDiag_FetFlt2Clk_OP_SET	1	✔
GateDrvWaitTime	1	GateDrvWaitTime	1	✔
Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32	1	Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32	1	✔
Rte_Call_Sa_MtrDrvDiag_SystemTime_DtrmnElapsedTime_uS_u16	1	Rte_Call_Sa_MtrDrvDiag_SystemTime_DtrmnElapsedTime_uS_u16	1	✔
Rte_Call_Sa_MtrDrvDiag_FetFlt1Data_OP_GET	1	Rte_Call_Sa_MtrDrvDiag_FetFlt1Data_OP_GET	1	✔
Rte_Call_Sa_MtrDrvDiag_FetFlt2Clk_OP_SET	1	Rte_Call_Sa_MtrDrvDiag_FetFlt2Clk_OP_SET	1	✔
GateDrvWaitTime	1	GateDrvWaitTime	1	✔
Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32	1	Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32	1	✔
Rte_Call_Sa_MtrDrvDiag_SystemTime_DtrmnElapsedTime_uS_u16	1	Rte_Call_Sa_MtrDrvDiag_SystemTime_DtrmnElapsedTime_uS_u16	1	✔
Rte_Call_Sa_MtrDrvDiag_FetFlt2Clk_OP_SET	1	Rte_Call_Sa_MtrDrvDiag_FetFlt2Clk_OP_SET	1	✔
GateDrvWaitTime	1	GateDrvWaitTime	1	✔
Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32	1	Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32	1	✔
Rte_Call_Sa_MtrDrvDiag_SystemTime_DtrmnElapsedTime_uS_u16	253	Rte_Call_Sa_MtrDrvDiag_SystemTime_DtrmnElapsedTime_uS_u16	253	✔
Rte_Call_Sa_MtrDrvDiag_FetFlt1Data_OP_GET	1	Rte_Call_Sa_MtrDrvDiag_FetFlt1Data_OP_GET	1	✔
Rte_Call_Sa_MtrDrvDiag_FetFlt2Clk_OP_SET	1	Rte_Call_Sa_MtrDrvDiag_FetFlt2Clk_OP_SET	1	✔
GateDrvWaitTime	1	GateDrvWaitTime	1	✔
Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32	1	Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32	1	✔
Rte_Call_Sa_MtrDrvDiag_SystemTime_DtrmnElapsedTime_uS_u16	1	Rte_Call_Sa_MtrDrvDiag_SystemTime_DtrmnElapsedTime_uS_u16	1	✔
Rte_Call_Sa_MtrDrvDiag_FetFlt2Clk_OP_SET	1	Rte_Call_Sa_MtrDrvDiag_FetFlt2Clk_OP_SET	1	✔
GateDrvWaitTime	1	GateDrvWaitTime	1	✔
Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32	1	Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32	1	✔
Rte_Call_Sa_MtrDrvDiag_SystemTime_DtrmnElapsedTime_uS_u16	1	Rte_Call_Sa_MtrDrvDiag_SystemTime_DtrmnElapsedTime_uS_u16	1	✔
Rte_Call_Sa_MtrDrvDiag_FetFlt1Data_OP_GET	1	Rte_Call_Sa_MtrDrvDiag_FetFlt1Data_OP_GET	1	✔
Rte_Call_Sa_MtrDrvDiag_FetFlt2Clk_OP_SET	1	Rte_Call_Sa_MtrDrvDiag_FetFlt2Clk_OP_SET	1	✔
GateDrvWaitTime	1	GateDrvWaitTime	1	✔
Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32	1	Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32	1	✔
Rte_Call_Sa_MtrDrvDiag_SystemTime_DtrmnElapsedTime_uS_u16	1	Rte_Call_Sa_MtrDrvDiag_SystemTime_DtrmnElapsedTime_uS_u16	1	✔
Rte_Call_Sa_MtrDrvDiag_FetFlt2Clk_OP_SET	1	Rte_Call_Sa_MtrDrvDiag_FetFlt2Clk_OP_SET	1	✔
GateDrvWaitTime	1	GateDrvWaitTime	1	✔
Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32	1	Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32	1	✔
Rte_Call_Sa_MtrDrvDiag_SystemTime_DtrmnElapsedTime_uS_u16	253	Rte_Call_Sa_MtrDrvDiag_SystemTime_DtrmnElapsedTime_uS_u16	253	✔
Rte_Call_Sa_MtrDrvDiag_FetFlt1Data_OP_GET	1	Rte_Call_Sa_MtrDrvDiag_FetFlt1Data_OP_GET	1	✔
Rte_Call_Sa_MtrDrvDiag_FetFlt2Clk_OP_SET	1	Rte_Call_Sa_MtrDrvDiag_FetFlt2Clk_OP_SET	1	✔
GateDrvWaitTime	1	GateDrvWaitTime	1	✔
Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32	1	Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32	1	✔
Rte_Call_Sa_MtrDrvDiag_SystemTime_DtrmnElapsedTime_uS_u16	1	Rte_Call_Sa_MtrDrvDiag_SystemTime_DtrmnElapsedTime_uS_u16	1	✔
Rte_Call_Sa_MtrDrvDiag_FetFlt2Clk_OP_SET	1	Rte_Call_Sa_MtrDrvDiag_FetFlt2Clk_OP_SET	1	✔
GateDrvWaitTime	1	GateDrvWaitTime	1	✔
Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32	1	Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32	1	✔
Rte_Call_Sa_MtrDrvDiag_SystemTime_DtrmnElapsedTime_uS_u16	1	Rte_Call_Sa_MtrDrvDiag_SystemTime_DtrmnElapsedTime_uS_u16	1	✔
Rte_Call_Sa_MtrDrvDiag_FetFlt1Data_OP_GET	1	Rte_Call_Sa_MtrDrvDiag_FetFlt1Data_OP_GET	1	✔
Rte_Call_Sa_MtrDrvDiag_FetFlt2Clk_OP_SET	1	Rte_Call_Sa_MtrDrvDiag_FetFlt2Clk_OP_SET	1	✔
GateDrvWaitTime	1	GateDrvWaitTime	1	✔
Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32	1	Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32	1	✔
Rte_Call_Sa_MtrDrvDiag_SystemTime_DtrmnElapsedTime_uS_u16	1	Rte_Call_Sa_MtrDrvDiag_SystemTime_DtrmnElapsedTime_uS_u16	1	✔
Rte_Call_Sa_MtrDrvDiag_FetFlt2Clk_OP_SET	1	Rte_Call_Sa_MtrDrvDiag_FetFlt2Clk_OP_SET	1	✔
GateDrvWaitTime	1	GateDrvWaitTime	1	✔
Rte_Call_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	Count	✔
Rte_Call_Sa_MtrDrvDiag_FetFlt2Clk_OP_SET	1	Rte_Call_Sa_MtrDrvDiag_FetFlt2Clk_OP_SET	1	✔
GateDrvWaitTime	1	GateDrvWaitTime	1	✔

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

Test Step 2.4 (Repeat Count = 1) ✔

Name	Input Value
GenGateDriveFltAccPtr_Cnt_T_u16	target_GenGateDriveFltAccPtr_Cnt_T_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	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_lg	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	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_IoHwAbPortConfig_SetFetFlt2ToOutput	1	Rte_Call_Sa_MtrDrvDiag_IoHwAbPortConfig_SetFetFlt2ToOutput	1	✔
Rte_Call_Sa_MtrDrvDiag_FetFlt2Clk_OP_SET	1	Rte_Call_Sa_MtrDrvDiag_FetFlt2Clk_OP_SET	1	✔
GateDrvWaitTime	1	GateDrvWaitTime	1	✔
Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32	1	Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32	1	✔
Rte_Call_Sa_MtrDrvDiag_SystemTime_DtrmnElapsedTime_uS_u16	1	Rte_Call_Sa_MtrDrvDiag_SystemTime_DtrmnElapsedTime_uS_u16	1	✔
Rte_Call_Sa_MtrDrvDiag_FetFlt1Data_OP_GET	1	Rte_Call_Sa_MtrDrvDiag_FetFlt1Data_OP_GET	1	✔
Rte_Call_Sa_MtrDrvDiag_FetFlt2Clk_OP_SET	1	Rte_Call_Sa_MtrDrvDiag_FetFlt2Clk_OP_SET	1	✔
GateDrvWaitTime	1	GateDrvWaitTime	1	✔
Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32	1	Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32	1	✔
Rte_Call_Sa_MtrDrvDiag_SystemTime_DtrmnElapsedTime_uS_u16	1	Rte_Call_Sa_MtrDrvDiag_SystemTime_DtrmnElapsedTime_uS_u16	1	✔
Rte_Call_Sa_MtrDrvDiag_FetFlt2Clk_OP_SET	1	Rte_Call_Sa_MtrDrvDiag_FetFlt2Clk_OP_SET	1	✔
GateDrvWaitTime	1	GateDrvWaitTime	1	✔
Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32	1	Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32	1	✔
Rte_Call_Sa_MtrDrvDiag_SystemTime_DtrmnElapsedTime_uS_u16	1	Rte_Call_Sa_MtrDrvDiag_SystemTime_DtrmnElapsedTime_uS_u16	1	✔
Rte_Call_Sa_MtrDrvDiag_FetFlt1Data_OP_GET	1	Rte_Call_Sa_MtrDrvDiag_FetFlt1Data_OP_GET	1	✔
Rte_Call_Sa_MtrDrvDiag_FetFlt2Clk_OP_SET	1	Rte_Call_Sa_MtrDrvDiag_FetFlt2Clk_OP_SET	1	✔
GateDrvWaitTime	1	GateDrvWaitTime	1	✔
Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32	1	Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32	1	✔
Rte_Call_Sa_MtrDrvDiag_SystemTime_DtrmnElapsedTime_uS_u16	1	Rte_Call_Sa_MtrDrvDiag_SystemTime_DtrmnElapsedTime_uS_u16	1	✔
Rte_Call_Sa_MtrDrvDiag_FetFlt2Clk_OP_SET	1	Rte_Call_Sa_MtrDrvDiag_FetFlt2Clk_OP_SET	1	✔
GateDrvWaitTime	1	GateDrvWaitTime	1	✔
Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32	1	Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32	1	✔
Rte_Call_Sa_MtrDrvDiag_SystemTime_DtrmnElapsedTime_uS_u16	253	Rte_Call_Sa_MtrDrvDiag_SystemTime_DtrmnElapsedTime_uS_u16	253	✔
Rte_Call_Sa_MtrDrvDiag_FetFlt1Data_OP_GET	1	Rte_Call_Sa_MtrDrvDiag_FetFlt1Data_OP_GET	1	✔
Rte_Call_Sa_MtrDrvDiag_FetFlt2Clk_OP_SET	1	Rte_Call_Sa_MtrDrvDiag_FetFlt2Clk_OP_SET	1	✔
GateDrvWaitTime	1	GateDrvWaitTime	1	✔
Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32	1	Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32	1	✔
Rte_Call_Sa_MtrDrvDiag_SystemTime_DtrmnElapsedTime_uS_u16	1	Rte_Call_Sa_MtrDrvDiag_SystemTime_DtrmnElapsedTime_uS_u16	1	✔
Rte_Call_Sa_MtrDrvDiag_FetFlt2Clk_OP_SET	1	Rte_Call_Sa_MtrDrvDiag_FetFlt2Clk_OP_SET	1	✔
GateDrvWaitTime	1	GateDrvWaitTime	1	✔
Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32	1	Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32	1	✔
Rte_Call_Sa_MtrDrvDiag_SystemTime_DtrmnElapsedTime_uS_u16	1	Rte_Call_Sa_MtrDrvDiag_SystemTime_DtrmnElapsedTime_uS_u16	1	✔
Rte_Call_Sa_MtrDrvDiag_FetFlt1Data_OP_GET	1	Rte_Call_Sa_MtrDrvDiag_FetFlt1Data_OP_GET	1	✔
Rte_Call_Sa_MtrDrvDiag_FetFlt2Clk_OP_SET	1	Rte_Call_Sa_MtrDrvDiag_FetFlt2Clk_OP_SET	1	✔
GateDrvWaitTime	1	GateDrvWaitTime	1	✔
Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32	1	Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32	1	✔
Rte_Call_Sa_MtrDrvDiag_SystemTime_DtrmnElapsedTime_uS_u16	1	Rte_Call_Sa_MtrDrvDiag_SystemTime_DtrmnElapsedTime_uS_u16	1	✔
Rte_Call_Sa_MtrDrvDiag_FetFlt2Clk_OP_SET	1	Rte_Call_Sa_MtrDrvDiag_FetFlt2Clk_OP_SET	1	✔
GateDrvWaitTime	1	GateDrvWaitTime	1	✔
Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32	1	Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32	1	✔
Rte_Call_Sa_MtrDrvDiag_SystemTime_DtrmnElapsedTime_uS_u16	253	Rte_Call_Sa_MtrDrvDiag_SystemTime_DtrmnElapsedTime_uS_u16	253	✔
Rte_Call_Sa_MtrDrvDiag_FetFlt1Data_OP_GET	1	Rte_Call_Sa_MtrDrvDiag_FetFlt1Data_OP_GET	1	✔
Rte_Call_Sa_MtrDrvDiag_FetFlt2Clk_OP_SET	1	Rte_Call_Sa_MtrDrvDiag_FetFlt2Clk_OP_SET	1	✔
GateDrvWaitTime	1	GateDrvWaitTime	1	✔
Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32	1	Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32	1	✔
Rte_Call_Sa_MtrDrvDiag_SystemTime_DtrmnElapsedTime_uS_u16	1	Rte_Call_Sa_MtrDrvDiag_SystemTime_DtrmnElapsedTime_uS_u16	1	✔
Rte_Call_Sa_MtrDrvDiag_FetFlt2Clk_OP_SET	1	Rte_Call_Sa_MtrDrvDiag_FetFlt2Clk_OP_SET	1	✔
GateDrvWaitTime	1	GateDrvWaitTime	1	✔
Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32	1	Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32	1	✔
Rte_Call_Sa_MtrDrvDiag_SystemTime_DtrmnElapsedTime_uS_u16	1	Rte_Call_Sa_MtrDrvDiag_SystemTime_DtrmnElapsedTime_uS_u16	1	✔
Rte_Call_Sa_MtrDrvDiag_FetFlt1Data_OP_GET	1	Rte_Call_Sa_MtrDrvDiag_FetFlt1Data_OP_GET	1	✔
Rte_Call_Sa_MtrDrvDiag_FetFlt2Clk_OP_SET	1	Rte_Call_Sa_MtrDrvDiag_FetFlt2Clk_OP_SET	1	✔
GateDrvWaitTime	1	GateDrvWaitTime	1	✔
Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32	1	Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32	1	✔
Rte_Call_Sa_MtrDrvDiag_SystemTime_DtrmnElapsedTime_uS_u16	1	Rte_Call_Sa_MtrDrvDiag_SystemTime_DtrmnElapsedTime_uS_u16	1	✔
Rte_Call_Sa_MtrDrvDiag_FetFlt2Clk_OP_SET	1	Rte_Call_Sa_MtrDrvDiag_FetFlt2Clk_OP_SET	1	✔
GateDrvWaitTime	1	GateDrvWaitTime	1	✔
Rte_Call_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	Count	✔
Rte_Call_Sa_MtrDrvDiag_FetFlt2Clk_OP_SET	1	Rte_Call_Sa_MtrDrvDiag_FetFlt2Clk_OP_SET	1	✔
GateDrvWaitTime	1	GateDrvWaitTime	1	✔

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

Test Step 2.5 (Repeat Count = 1) ✔

Name	Input Value
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_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_lg	0
target_Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32_CurrentTir	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	✔

T	✔

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_IoHwAbPortConfig_SetFetFlt2ToOutput	1	Rte_Call_Sa_MtrDrvDiag_IoHwAbPortConfig_SetFetFlt2ToOutput	1	✔
Rte_Call_Sa_MtrDrvDiag_FetFlt2Clk_OP_SET	1	Rte_Call_Sa_MtrDrvDiag_FetFlt2Clk_OP_SET	1	✔
GateDrvWaitTime	1	GateDrvWaitTime	1	✔
Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32	1	Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32	1	✔
Rte_Call_Sa_MtrDrvDiag_SystemTime_DtrmnElapsedTime_uS_u16	1	Rte_Call_Sa_MtrDrvDiag_SystemTime_DtrmnElapsedTime_uS_u16	1	✔
Rte_Call_Sa_MtrDrvDiag_FetFlt1Data_OP_GET	1	Rte_Call_Sa_MtrDrvDiag_FetFlt1Data_OP_GET	1	✔
Rte_Call_Sa_MtrDrvDiag_FetFlt2Clk_OP_SET	1	Rte_Call_Sa_MtrDrvDiag_FetFlt2Clk_OP_SET	1	✔
GateDrvWaitTime	1	GateDrvWaitTime	1	✔
Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32	1	Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32	1	✔
Rte_Call_Sa_MtrDrvDiag_SystemTime_DtrmnElapsedTime_uS_u16	1	Rte_Call_Sa_MtrDrvDiag_SystemTime_DtrmnElapsedTime_uS_u16	1	✔
Rte_Call_Sa_MtrDrvDiag_FetFlt2Clk_OP_SET	1	Rte_Call_Sa_MtrDrvDiag_FetFlt2Clk_OP_SET	1	✔
GateDrvWaitTime	1	GateDrvWaitTime	1	✔
Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32	1	Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32	1	✔
Rte_Call_Sa_MtrDrvDiag_SystemTime_DtrmnElapsedTime_uS_u16	1	Rte_Call_Sa_MtrDrvDiag_SystemTime_DtrmnElapsedTime_uS_u16	1	✔
Rte_Call_Sa_MtrDrvDiag_FetFlt1Data_OP_GET	1	Rte_Call_Sa_MtrDrvDiag_FetFlt1Data_OP_GET	1	✔
Rte_Call_Sa_MtrDrvDiag_FetFlt2Clk_OP_SET	1	Rte_Call_Sa_MtrDrvDiag_FetFlt2Clk_OP_SET	1	✔
GateDrvWaitTime	1	GateDrvWaitTime	1	✔
Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32	1	Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32	1	✔
Rte_Call_Sa_MtrDrvDiag_SystemTime_DtrmnElapsedTime_uS_u16	1	Rte_Call_Sa_MtrDrvDiag_SystemTime_DtrmnElapsedTime_uS_u16	1	✔
Rte_Call_Sa_MtrDrvDiag_FetFlt2Clk_OP_SET	1	Rte_Call_Sa_MtrDrvDiag_FetFlt2Clk_OP_SET	1	✔
GateDrvWaitTime	1	GateDrvWaitTime	1	✔
Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32	1	Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32	1	✔
Rte_Call_Sa_MtrDrvDiag_SystemTime_DtrmnElapsedTime_uS_u16	253	Rte_Call_Sa_MtrDrvDiag_SystemTime_DtrmnElapsedTime_uS_u16	253	✔
Rte_Call_Sa_MtrDrvDiag_FetFlt1Data_OP_GET	1	Rte_Call_Sa_MtrDrvDiag_FetFlt1Data_OP_GET	1	✔
Rte_Call_Sa_MtrDrvDiag_FetFlt2Clk_OP_SET	1	Rte_Call_Sa_MtrDrvDiag_FetFlt2Clk_OP_SET	1	✔
GateDrvWaitTime	1	GateDrvWaitTime	1	✔
Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32	1	Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32	1	✔
Rte_Call_Sa_MtrDrvDiag_SystemTime_DtrmnElapsedTime_uS_u16	1	Rte_Call_Sa_MtrDrvDiag_SystemTime_DtrmnElapsedTime_uS_u16	1	✔
Rte_Call_Sa_MtrDrvDiag_FetFlt2Clk_OP_SET	1	Rte_Call_Sa_MtrDrvDiag_FetFlt2Clk_OP_SET	1	✔
GateDrvWaitTime	1	GateDrvWaitTime	1	✔
Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32	1	Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32	1	✔
Rte_Call_Sa_MtrDrvDiag_SystemTime_DtrmnElapsedTime_uS_u16	1	Rte_Call_Sa_MtrDrvDiag_SystemTime_DtrmnElapsedTime_uS_u16	1	✔
Rte_Call_Sa_MtrDrvDiag_FetFlt1Data_OP_GET	1	Rte_Call_Sa_MtrDrvDiag_FetFlt1Data_OP_GET	1	✔
Rte_Call_Sa_MtrDrvDiag_FetFlt2Clk_OP_SET	1	Rte_Call_Sa_MtrDrvDiag_FetFlt2Clk_OP_SET	1	✔
GateDrvWaitTime	1	GateDrvWaitTime	1	✔
Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32	1	Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32	1	✔
Rte_Call_Sa_MtrDrvDiag_SystemTime_DtrmnElapsedTime_uS_u16	1	Rte_Call_Sa_MtrDrvDiag_SystemTime_DtrmnElapsedTime_uS_u16	1	✔
Rte_Call_Sa_MtrDrvDiag_FetFlt2Clk_OP_SET	1	Rte_Call_Sa_MtrDrvDiag_FetFlt2Clk_OP_SET	1	✔
GateDrvWaitTime	1	GateDrvWaitTime	1	✔
Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32	1	Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32	1	✔
Rte_Call_Sa_MtrDrvDiag_SystemTime_DtrmnElapsedTime_uS_u16	253	Rte_Call_Sa_MtrDrvDiag_SystemTime_DtrmnElapsedTime_uS_u16	253	✔
Rte_Call_Sa_MtrDrvDiag_FetFlt1Data_OP_GET	1	Rte_Call_Sa_MtrDrvDiag_FetFlt1Data_OP_GET	1	✔
Rte_Call_Sa_MtrDrvDiag_FetFlt2Clk_OP_SET	1	Rte_Call_Sa_MtrDrvDiag_FetFlt2Clk_OP_SET	1	✔
GateDrvWaitTime	1	GateDrvWaitTime	1	✔
Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32	1	Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32	1	✔
Rte_Call_Sa_MtrDrvDiag_SystemTime_DtrmnElapsedTime_uS_u16	1	Rte_Call_Sa_MtrDrvDiag_SystemTime_DtrmnElapsedTime_uS_u16	1	✔
Rte_Call_Sa_MtrDrvDiag_FetFlt2Clk_OP_SET	1	Rte_Call_Sa_MtrDrvDiag_FetFlt2Clk_OP_SET	1	✔
GateDrvWaitTime	1	GateDrvWaitTime	1	✔
Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32	1	Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32	1	✔
Rte_Call_Sa_MtrDrvDiag_SystemTime_DtrmnElapsedTime_uS_u16	1	Rte_Call_Sa_MtrDrvDiag_SystemTime_DtrmnElapsedTime_uS_u16	1	✔
Rte_Call_Sa_MtrDrvDiag_FetFlt1Data_OP_GET	1	Rte_Call_Sa_MtrDrvDiag_FetFlt1Data_OP_GET	1	✔
Rte_Call_Sa_MtrDrvDiag_FetFlt2Clk_OP_SET	1	Rte_Call_Sa_MtrDrvDiag_FetFlt2Clk_OP_SET	1	✔
GateDrvWaitTime	1	GateDrvWaitTime	1	✔
Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32	1	Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32	1	✔
Rte_Call_Sa_MtrDrvDiag_SystemTime_DtrmnElapsedTime_uS_u16	1	Rte_Call_Sa_MtrDrvDiag_SystemTime_DtrmnElapsedTime_uS_u16	1	✔
Rte_Call_Sa_MtrDrvDiag_FetFlt2Clk_OP_SET	1	Rte_Call_Sa_MtrDrvDiag_FetFlt2Clk_OP_SET	1	✔
GateDrvWaitTime	1	GateDrvWaitTime	1	✔
Rte_Call_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	Count	✔
Rte_Call_Sa_MtrDrvDiag_FetFlt2Clk_OP_SET	1	Rte_Call_Sa_MtrDrvDiag_FetFlt2Clk_OP_SET	1	✔
GateDrvWaitTime	1	GateDrvWaitTime	1	✔

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

Test Step 2.6 (Repeat Count = 1)   ✔

Name	Input Value
GenGateDriveFltAccPtr_Cnt_T_u16	target_GenGateDriveFltAccPtr_Cnt_T_u16
OnStateFltAccPtr_Cnt_T_u16	target_OnStateFltAccPtr_Cnt_T_u16
Rte_Call_Sa_MtrDrvDiag_NxtrDiagMgr_GetNTCFailed(NTCFailed_Ptr_T_lgc)	target_Rte_Call_Sa_MtrDrvDiag_NxtrDiagMgr_GetNTCFailed_NTCFailed_Ptr_T_lgc
Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32(CurrentTime)	target_Rte_Call_Sa_MtrDrvDiag_SystemTime_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_lg	0
target_Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32_CurrentTir	15000

Name	Actual Value	Expected Value	Result
Rte_Call_Sa_MtrDrvDiag_NxtrDiagMgr_SetNTCStatus(NTC_Cnt_T_enum)	77	77	✔
Rte_Call_Sa_MtrDrvDiag_NxtrDiagMgr_SetNTCStatus(Param_Cnt_T_u08)	2	2	✔
Rte_Call_Sa_MtrDrvDiag_NxtrDiagMgr_SetNTCStatus(Status_Cnt_T_enum)	1	1	✔
SVDiag_FETFaultPhase_Cnt_M_enum	0	0	✔
SVDiag_FETFaultType_Cnt_M_enum	0	0	✔
SVDiag_ResetWaitLoop_Cnt_M_lgc	0	0	✔
target_GenGateDriveFltAccPtr_Cnt_T_u16	100	100	✔
target_OnStateFltAccPtr_Cnt_T_u16	0	0	✔

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Actual Function	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_IoHwAbPortConfig_SetFetFlt2ToOutput	1	Rte_Call_Sa_MtrDrvDiag_IoHwAbPortConfig_SetFetFlt2ToOutput	1	✔
Rte_Call_Sa_MtrDrvDiag_FetFlt2Clk_OP_SET	1	Rte_Call_Sa_MtrDrvDiag_FetFlt2Clk_OP_SET	1	✔
GateDrvWaitTime	1	GateDrvWaitTime	1	✔
Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32	1	Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32	1	✔
Rte_Call_Sa_MtrDrvDiag_SystemTime_DtrmnElapsedTime_uS_u16	1	Rte_Call_Sa_MtrDrvDiag_SystemTime_DtrmnElapsedTime_uS_u16	1	✔
Rte_Call_Sa_MtrDrvDiag_FetFlt1Data_OP_GET	1	Rte_Call_Sa_MtrDrvDiag_FetFlt1Data_OP_GET	1	✔
Rte_Call_Sa_MtrDrvDiag_FetFlt2Clk_OP_SET	1	Rte_Call_Sa_MtrDrvDiag_FetFlt2Clk_OP_SET	1	✔
GateDrvWaitTime	1	GateDrvWaitTime	1	✔
Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32	1	Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32	1	✔
Rte_Call_Sa_MtrDrvDiag_SystemTime_DtrmnElapsedTime_uS_u16	1	Rte_Call_Sa_MtrDrvDiag_SystemTime_DtrmnElapsedTime_uS_u16	1	✔
Rte_Call_Sa_MtrDrvDiag_FetFlt2Clk_OP_SET	1	Rte_Call_Sa_MtrDrvDiag_FetFlt2Clk_OP_SET	1	✔
GateDrvWaitTime	1	GateDrvWaitTime	1	✔
Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32	1	Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32	1	✔
Rte_Call_Sa_MtrDrvDiag_SystemTime_DtrmnElapsedTime_uS_u16	1	Rte_Call_Sa_MtrDrvDiag_SystemTime_DtrmnElapsedTime_uS_u16	1	✔
Rte_Call_Sa_MtrDrvDiag_FetFlt1Data_OP_GET	1	Rte_Call_Sa_MtrDrvDiag_FetFlt1Data_OP_GET	1	✔
Rte_Call_Sa_MtrDrvDiag_FetFlt2Clk_OP_SET	1	Rte_Call_Sa_MtrDrvDiag_FetFlt2Clk_OP_SET	1	✔
GateDrvWaitTime	1	GateDrvWaitTime	1	✔
Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32	1	Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32	1	✔
Rte_Call_Sa_MtrDrvDiag_SystemTime_DtrmnElapsedTime_uS_u16	1	Rte_Call_Sa_MtrDrvDiag_SystemTime_DtrmnElapsedTime_uS_u16	1	✔
Rte_Call_Sa_MtrDrvDiag_FetFlt2Clk_OP_SET	1	Rte_Call_Sa_MtrDrvDiag_FetFlt2Clk_OP_SET	1	✔
GateDrvWaitTime	1	GateDrvWaitTime	1	✔
Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32	1	Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32	1	✔
Rte_Call_Sa_MtrDrvDiag_SystemTime_DtrmnElapsedTime_uS_u16	253	Rte_Call_Sa_MtrDrvDiag_SystemTime_DtrmnElapsedTime_uS_u16	253	✔
Rte_Call_Sa_MtrDrvDiag_FetFlt1Data_OP_GET	1	Rte_Call_Sa_MtrDrvDiag_FetFlt1Data_OP_GET	1	✔
Rte_Call_Sa_MtrDrvDiag_FetFlt2Clk_OP_SET	1	Rte_Call_Sa_MtrDrvDiag_FetFlt2Clk_OP_SET	1	✔
GateDrvWaitTime	1	GateDrvWaitTime	1	✔
Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32	1	Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32	1	✔
Rte_Call_Sa_MtrDrvDiag_SystemTime_DtrmnElapsedTime_uS_u16	1	Rte_Call_Sa_MtrDrvDiag_SystemTime_DtrmnElapsedTime_uS_u16	1	✔
Rte_Call_Sa_MtrDrvDiag_FetFlt2Clk_OP_SET	1	Rte_Call_Sa_MtrDrvDiag_FetFlt2Clk_OP_SET	1	✔
GateDrvWaitTime	1	GateDrvWaitTime	1	✔
Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32	1	Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32	1	✔
Rte_Call_Sa_MtrDrvDiag_SystemTime_DtrmnElapsedTime_uS_u16	1	Rte_Call_Sa_MtrDrvDiag_SystemTime_DtrmnElapsedTime_uS_u16	1	✔
Rte_Call_Sa_MtrDrvDiag_FetFlt1Data_OP_GET	1	Rte_Call_Sa_MtrDrvDiag_FetFlt1Data_OP_GET	1	✔
Rte_Call_Sa_MtrDrvDiag_FetFlt2Clk_OP_SET	1	Rte_Call_Sa_MtrDrvDiag_FetFlt2Clk_OP_SET	1	✔
GateDrvWaitTime	1	GateDrvWaitTime	1	✔
Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32	1	Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32	1	✔
Rte_Call_Sa_MtrDrvDiag_SystemTime_DtrmnElapsedTime_uS_u16	1	Rte_Call_Sa_MtrDrvDiag_SystemTime_DtrmnElapsedTime_uS_u16	1	✔
Rte_Call_Sa_MtrDrvDiag_FetFlt2Clk_OP_SET	1	Rte_Call_Sa_MtrDrvDiag_FetFlt2Clk_OP_SET	1	✔
GateDrvWaitTime	1	GateDrvWaitTime	1	✔
Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32	1	Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32	1	✔
Rte_Call_Sa_MtrDrvDiag_SystemTime_DtrmnElapsedTime_uS_u16	253	Rte_Call_Sa_MtrDrvDiag_SystemTime_DtrmnElapsedTime_uS_u16	253	✔
Rte_Call_Sa_MtrDrvDiag_FetFlt1Data_OP_GET	1	Rte_Call_Sa_MtrDrvDiag_FetFlt1Data_OP_GET	1	✔
Rte_Call_Sa_MtrDrvDiag_FetFlt2Clk_OP_SET	1	Rte_Call_Sa_MtrDrvDiag_FetFlt2Clk_OP_SET	1	✔
GateDrvWaitTime	1	GateDrvWaitTime	1	✔
Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32	1	Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32	1	✔
Rte_Call_Sa_MtrDrvDiag_SystemTime_DtrmnElapsedTime_uS_u16	1	Rte_Call_Sa_MtrDrvDiag_SystemTime_DtrmnElapsedTime_uS_u16	1	✔
Rte_Call_Sa_MtrDrvDiag_FetFlt2Clk_OP_SET	1	Rte_Call_Sa_MtrDrvDiag_FetFlt2Clk_OP_SET	1	✔
GateDrvWaitTime	1	GateDrvWaitTime	1	✔
Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32	1	Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32	1	✔
Rte_Call_Sa_MtrDrvDiag_SystemTime_DtrmnElapsedTime_uS_u16	1	Rte_Call_Sa_MtrDrvDiag_SystemTime_DtrmnElapsedTime_uS_u16	1	✔
Rte_Call_Sa_MtrDrvDiag_FetFlt1Data_OP_GET	1	Rte_Call_Sa_MtrDrvDiag_FetFlt1Data_OP_GET	1	✔
Rte_Call_Sa_MtrDrvDiag_FetFlt2Clk_OP_SET	1	Rte_Call_Sa_MtrDrvDiag_FetFlt2Clk_OP_SET	1	✔
GateDrvWaitTime	1	GateDrvWaitTime	1	✔
Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32	1	Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32	1	✔
Rte_Call_Sa_MtrDrvDiag_SystemTime_DtrmnElapsedTime_uS_u16	1	Rte_Call_Sa_MtrDrvDiag_SystemTime_DtrmnElapsedTime_uS_u16	1	✔
Rte_Call_Sa_MtrDrvDiag_FetFlt2Clk_OP_SET	1	Rte_Call_Sa_MtrDrvDiag_FetFlt2Clk_OP_SET	1	✔
GateDrvWaitTime	1	GateDrvWaitTime	1	✔
Rte_Call_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	Count	✔
Rte_Call_Sa_MtrDrvDiag_FetFlt2Clk_OP_SET	1	Rte_Call_Sa_MtrDrvDiag_FetFlt2Clk_OP_SET	1	✔
GateDrvWaitTime	1	GateDrvWaitTime	1	✔

Actual Function	Count	Expected Function	Count	Result
Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32	1	Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32	1	✔
Rte_Call_Sa_MtrDrvDiag_SystemTime_DtrmnElapsedTime_uS_u16	1	Rte_Call_Sa_MtrDrvDiag_SystemTime_DtrmnElapsedTime_uS_u16	1	✔
Rte_Call_Sa_MtrDrvDiag_FetFlt2Clk_OP_SET	1	Rte_Call_Sa_MtrDrvDiag_FetFlt2Clk_OP_SET	1	✔
GateDrvWaitTime	1	GateDrvWaitTime	1	✔
Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32	1	Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32	1	✔
Rte_Call_Sa_MtrDrvDiag_SystemTime_DtrmnElapsedTime_uS_u16	253	Rte_Call_Sa_MtrDrvDiag_SystemTime_DtrmnElapsedTime_uS_u16	253	✔
Rte_Call_Sa_MtrDrvDiag_FetFlt1Data_OP_GET	1	Rte_Call_Sa_MtrDrvDiag_FetFlt1Data_OP_GET	1	✔
Rte_Call_Sa_MtrDrvDiag_FetFlt2Clk_OP_SET	1	Rte_Call_Sa_MtrDrvDiag_FetFlt2Clk_OP_SET	1	✔
GateDrvWaitTime	1	GateDrvWaitTime	1	✔
Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32	1	Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32	1	✔
Rte_Call_Sa_MtrDrvDiag_SystemTime_DtrmnElapsedTime_uS_u16	1	Rte_Call_Sa_MtrDrvDiag_SystemTime_DtrmnElapsedTime_uS_u16	1	✔
Rte_Call_Sa_MtrDrvDiag_FetFlt2Clk_OP_SET	1	Rte_Call_Sa_MtrDrvDiag_FetFlt2Clk_OP_SET	1	✔
GateDrvWaitTime	1	GateDrvWaitTime	1	✔
Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32	1	Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32	1	✔
Rte_Call_Sa_MtrDrvDiag_SystemTime_DtrmnElapsedTime_uS_u16	1	Rte_Call_Sa_MtrDrvDiag_SystemTime_DtrmnElapsedTime_uS_u16	1	✔
Rte_Call_Sa_MtrDrvDiag_FetFlt1Data_OP_GET	1	Rte_Call_Sa_MtrDrvDiag_FetFlt1Data_OP_GET	1	✔
Rte_Call_Sa_MtrDrvDiag_FetFlt2Clk_OP_SET	1	Rte_Call_Sa_MtrDrvDiag_FetFlt2Clk_OP_SET	1	✔
GateDrvWaitTime	1	GateDrvWaitTime	1	✔
Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32	1	Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32	1	✔
Rte_Call_Sa_MtrDrvDiag_SystemTime_DtrmnElapsedTime_uS_u16	1	Rte_Call_Sa_MtrDrvDiag_SystemTime_DtrmnElapsedTime_uS_u16	1	✔
Rte_Call_Sa_MtrDrvDiag_IoHwAbPortConfig_SetFetFlt2ToOutput	1	Rte_Call_Sa_MtrDrvDiag_IoHwAbPortConfig_SetFetFlt2ToOutput	1	✔
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_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	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_CurrentTir	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	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_IoHwAbPortConfig_SetFetFlt2ToOutput	1	Rte_Call_Sa_MtrDrvDiag_IoHwAbPortConfig_SetFetFlt2ToOutput	1	✔
Rte_Call_Sa_MtrDrvDiag_FetFlt2Clk_OP_SET	1	Rte_Call_Sa_MtrDrvDiag_FetFlt2Clk_OP_SET	1	✔
GateDrvWaitTime	1	GateDrvWaitTime	1	✔
Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32	1	Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32	1	✔
Rte_Call_Sa_MtrDrvDiag_SystemTime_DtrmnElapsedTime_uS_u16	1	Rte_Call_Sa_MtrDrvDiag_SystemTime_DtrmnElapsedTime_uS_u16	1	✔
Rte_Call_Sa_MtrDrvDiag_FetFlt1Data_OP_GET	1	Rte_Call_Sa_MtrDrvDiag_FetFlt1Data_OP_GET	1	✔
Rte_Call_Sa_MtrDrvDiag_FetFlt2Clk_OP_SET	1	Rte_Call_Sa_MtrDrvDiag_FetFlt2Clk_OP_SET	1	✔
GateDrvWaitTime	1	GateDrvWaitTime	1	✔
Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32	1	Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32	1	✔
Rte_Call_Sa_MtrDrvDiag_SystemTime_DtrmnElapsedTime_uS_u16	1	Rte_Call_Sa_MtrDrvDiag_SystemTime_DtrmnElapsedTime_uS_u16	1	✔
Rte_Call_Sa_MtrDrvDiag_FetFlt2Clk_OP_SET	1	Rte_Call_Sa_MtrDrvDiag_FetFlt2Clk_OP_SET	1	✔
GateDrvWaitTime	1	GateDrvWaitTime	1	✔
Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32	1	Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32	1	✔
Rte_Call_Sa_MtrDrvDiag_SystemTime_DtrmnElapsedTime_uS_u16	1	Rte_Call_Sa_MtrDrvDiag_SystemTime_DtrmnElapsedTime_uS_u16	1	✔
Rte_Call_Sa_MtrDrvDiag_FetFlt1Data_OP_GET	1	Rte_Call_Sa_MtrDrvDiag_FetFlt1Data_OP_GET	1	✔
Rte_Call_Sa_MtrDrvDiag_FetFlt2Clk_OP_SET	1	Rte_Call_Sa_MtrDrvDiag_FetFlt2Clk_OP_SET	1	✔
GateDrvWaitTime	1	GateDrvWaitTime	1	✔
Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32	1	Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32	1	✔
Rte_Call_Sa_MtrDrvDiag_SystemTime_DtrmnElapsedTime_uS_u16	1	Rte_Call_Sa_MtrDrvDiag_SystemTime_DtrmnElapsedTime_uS_u16	1	✔
Rte_Call_Sa_MtrDrvDiag_FetFlt2Clk_OP_SET	1	Rte_Call_Sa_MtrDrvDiag_FetFlt2Clk_OP_SET	1	✔
GateDrvWaitTime	1	GateDrvWaitTime	1	✔
Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32	1	Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32	1	✔
Rte_Call_Sa_MtrDrvDiag_SystemTime_DtrmnElapsedTime_uS_u16	253	Rte_Call_Sa_MtrDrvDiag_SystemTime_DtrmnElapsedTime_uS_u16	253	✔
Rte_Call_Sa_MtrDrvDiag_FetFlt1Data_OP_GET	1	Rte_Call_Sa_MtrDrvDiag_FetFlt1Data_OP_GET	1	✔
Rte_Call_Sa_MtrDrvDiag_FetFlt2Clk_OP_SET	1	Rte_Call_Sa_MtrDrvDiag_FetFlt2Clk_OP_SET	1	✔
GateDrvWaitTime	1	GateDrvWaitTime	1	✔
Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32	1	Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32	1	✔
Rte_Call_Sa_MtrDrvDiag_SystemTime_DtrmnElapsedTime_uS_u16	1	Rte_Call_Sa_MtrDrvDiag_SystemTime_DtrmnElapsedTime_uS_u16	1	✔
Rte_Call_Sa_MtrDrvDiag_FetFlt2Clk_OP_SET	1	Rte_Call_Sa_MtrDrvDiag_FetFlt2Clk_OP_SET	1	✔
GateDrvWaitTime	1	GateDrvWaitTime	1	✔
Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32	1	Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32	1	✔
Rte_Call_Sa_MtrDrvDiag_SystemTime_DtrmnElapsedTime_uS_u16	1	Rte_Call_Sa_MtrDrvDiag_SystemTime_DtrmnElapsedTime_uS_u16	1	✔
Rte_Call_Sa_MtrDrvDiag_FetFlt1Data_OP_GET	1	Rte_Call_Sa_MtrDrvDiag_FetFlt1Data_OP_GET	1	✔
Rte_Call_Sa_MtrDrvDiag_FetFlt2Clk_OP_SET	1	Rte_Call_Sa_MtrDrvDiag_FetFlt2Clk_OP_SET	1	✔
GateDrvWaitTime	1	GateDrvWaitTime	1	✔
Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32	1	Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32	1	✔
Rte_Call_Sa_MtrDrvDiag_SystemTime_DtrmnElapsedTime_uS_u16	1	Rte_Call_Sa_MtrDrvDiag_SystemTime_DtrmnElapsedTime_uS_u16	1	✔
Rte_Call_Sa_MtrDrvDiag_FetFlt2Clk_OP_SET	1	Rte_Call_Sa_MtrDrvDiag_FetFlt2Clk_OP_SET	1	✔
GateDrvWaitTime	1	GateDrvWaitTime	1	✔
Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32	1	Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32	1	✔
Rte_Call_Sa_MtrDrvDiag_SystemTime_DtrmnElapsedTime_uS_u16	253	Rte_Call_Sa_MtrDrvDiag_SystemTime_DtrmnElapsedTime_uS_u16	253	✔
Rte_Call_Sa_MtrDrvDiag_FetFlt1Data_OP_GET	1	Rte_Call_Sa_MtrDrvDiag_FetFlt1Data_OP_GET	1	✔
Rte_Call_Sa_MtrDrvDiag_FetFlt2Clk_OP_SET	1	Rte_Call_Sa_MtrDrvDiag_FetFlt2Clk_OP_SET	1	✔
GateDrvWaitTime	1	GateDrvWaitTime	1	✔
Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32	1	Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32	1	✔
Rte_Call_Sa_MtrDrvDiag_SystemTime_DtrmnElapsedTime_uS_u16	1	Rte_Call_Sa_MtrDrvDiag_SystemTime_DtrmnElapsedTime_uS_u16	1	✔
Rte_Call_Sa_MtrDrvDiag_FetFlt2Clk_OP_SET	1	Rte_Call_Sa_MtrDrvDiag_FetFlt2Clk_OP_SET	1	✔
GateDrvWaitTime	1	GateDrvWaitTime	1	✔
Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32	1	Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32	1	✔
Rte_Call_Sa_MtrDrvDiag_SystemTime_DtrmnElapsedTime_uS_u16	1	Rte_Call_Sa_MtrDrvDiag_SystemTime_DtrmnElapsedTime_uS_u16	1	✔
Rte_Call_Sa_MtrDrvDiag_FetFlt1Data_OP_GET	1	Rte_Call_Sa_MtrDrvDiag_FetFlt1Data_OP_GET	1	✔
Rte_Call_Sa_MtrDrvDiag_FetFlt2Clk_OP_SET	1	Rte_Call_Sa_MtrDrvDiag_FetFlt2Clk_OP_SET	1	✔
GateDrvWaitTime	1	GateDrvWaitTime	1	✔
Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32	1	Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32	1	✔
Rte_Call_Sa_MtrDrvDiag_SystemTime_DtrmnElapsedTime_uS_u16	1	Rte_Call_Sa_MtrDrvDiag_SystemTime_DtrmnElapsedTime_uS_u16	1	✔
Rte_Call_Sa_MtrDrvDiag_FetFlt2Clk_OP_SET	1	Rte_Call_Sa_MtrDrvDiag_FetFlt2Clk_OP_SET	1	✔
GateDrvWaitTime	1	GateDrvWaitTime	1	✔
Rte_Call_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	Count	✔
Rte_Call_Sa_MtrDrvDiag_FetFlt2Clk_OP_SET	1	Rte_Call_Sa_MtrDrvDiag_FetFlt2Clk_OP_SET	1	✔
GateDrvWaitTime	1	GateDrvWaitTime	1	✔

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

Test Step 2.8 (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_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	1	✔
target_GenGateDriveFltAccPtr_Cnt_T_u16	20	20	✔
target_OnStateFltAccPtr_Cnt_T_u16	2031	2031	✔

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

Test Step 2.9 (Repeat Count = 1)

T ✔

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_IoHwAbPortConfig_SetFetFlt2ToOutput	1	Rte_Call_Sa_MtrDrvDiag_IoHwAbPortConfig_SetFetFlt2ToOutput	1	✔
Rte_Call_Sa_MtrDrvDiag_FetFlt2Clk_OP_SET	1	Rte_Call_Sa_MtrDrvDiag_FetFlt2Clk_OP_SET	1	✔
GateDrvWaitTime	1	GateDrvWaitTime	1	✔
Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32	1	Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32	1	✔
Rte_Call_Sa_MtrDrvDiag_SystemTime_DtrmnElapsedTime_uS_u16	1	Rte_Call_Sa_MtrDrvDiag_SystemTime_DtrmnElapsedTime_uS_u16	1	✔
Rte_Call_Sa_MtrDrvDiag_FetFlt1Data_OP_GET	1	Rte_Call_Sa_MtrDrvDiag_FetFlt1Data_OP_GET	1	✔
Rte_Call_Sa_MtrDrvDiag_FetFlt2Clk_OP_SET	1	Rte_Call_Sa_MtrDrvDiag_FetFlt2Clk_OP_SET	1	✔
GateDrvWaitTime	1	GateDrvWaitTime	1	✔
Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32	1	Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32	1	✔
Rte_Call_Sa_MtrDrvDiag_SystemTime_DtrmnElapsedTime_uS_u16	1	Rte_Call_Sa_MtrDrvDiag_SystemTime_DtrmnElapsedTime_uS_u16	1	✔
Rte_Call_Sa_MtrDrvDiag_FetFlt2Clk_OP_SET	1	Rte_Call_Sa_MtrDrvDiag_FetFlt2Clk_OP_SET	1	✔
GateDrvWaitTime	1	GateDrvWaitTime	1	✔
Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32	1	Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32	1	✔
Rte_Call_Sa_MtrDrvDiag_SystemTime_DtrmnElapsedTime_uS_u16	1	Rte_Call_Sa_MtrDrvDiag_SystemTime_DtrmnElapsedTime_uS_u16	1	✔
Rte_Call_Sa_MtrDrvDiag_FetFlt1Data_OP_GET	1	Rte_Call_Sa_MtrDrvDiag_FetFlt1Data_OP_GET	1	✔
Rte_Call_Sa_MtrDrvDiag_FetFlt2Clk_OP_SET	1	Rte_Call_Sa_MtrDrvDiag_FetFlt2Clk_OP_SET	1	✔
GateDrvWaitTime	1	GateDrvWaitTime	1	✔
Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32	1	Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32	1	✔
Rte_Call_Sa_MtrDrvDiag_SystemTime_DtrmnElapsedTime_uS_u16	1	Rte_Call_Sa_MtrDrvDiag_SystemTime_DtrmnElapsedTime_uS_u16	1	✔
Rte_Call_Sa_MtrDrvDiag_FetFlt2Clk_OP_SET	1	Rte_Call_Sa_MtrDrvDiag_FetFlt2Clk_OP_SET	1	✔
GateDrvWaitTime	1	GateDrvWaitTime	1	✔
Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32	1	Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32	1	✔
Rte_Call_Sa_MtrDrvDiag_SystemTime_DtrmnElapsedTime_uS_u16	253	Rte_Call_Sa_MtrDrvDiag_SystemTime_DtrmnElapsedTime_uS_u16	253	✔
Rte_Call_Sa_MtrDrvDiag_FetFlt1Data_OP_GET	1	Rte_Call_Sa_MtrDrvDiag_FetFlt1Data_OP_GET	1	✔
Rte_Call_Sa_MtrDrvDiag_FetFlt2Clk_OP_SET	1	Rte_Call_Sa_MtrDrvDiag_FetFlt2Clk_OP_SET	1	✔
GateDrvWaitTime	1	GateDrvWaitTime	1	✔
Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32	1	Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32	1	✔
Rte_Call_Sa_MtrDrvDiag_SystemTime_DtrmnElapsedTime_uS_u16	1	Rte_Call_Sa_MtrDrvDiag_SystemTime_DtrmnElapsedTime_uS_u16	1	✔
Rte_Call_Sa_MtrDrvDiag_FetFlt2Clk_OP_SET	1	Rte_Call_Sa_MtrDrvDiag_FetFlt2Clk_OP_SET	1	✔
GateDrvWaitTime	1	GateDrvWaitTime	1	✔
Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32	1	Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32	1	✔
Rte_Call_Sa_MtrDrvDiag_SystemTime_DtrmnElapsedTime_uS_u16	1	Rte_Call_Sa_MtrDrvDiag_SystemTime_DtrmnElapsedTime_uS_u16	1	✔
Rte_Call_Sa_MtrDrvDiag_FetFlt1Data_OP_GET	1	Rte_Call_Sa_MtrDrvDiag_FetFlt1Data_OP_GET	1	✔
Rte_Call_Sa_MtrDrvDiag_FetFlt2Clk_OP_SET	1	Rte_Call_Sa_MtrDrvDiag_FetFlt2Clk_OP_SET	1	✔
GateDrvWaitTime	1	GateDrvWaitTime	1	✔
Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32	1	Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32	1	✔
Rte_Call_Sa_MtrDrvDiag_SystemTime_DtrmnElapsedTime_uS_u16	1	Rte_Call_Sa_MtrDrvDiag_SystemTime_DtrmnElapsedTime_uS_u16	1	✔
Rte_Call_Sa_MtrDrvDiag_FetFlt2Clk_OP_SET	1	Rte_Call_Sa_MtrDrvDiag_FetFlt2Clk_OP_SET	1	✔
GateDrvWaitTime	1	GateDrvWaitTime	1	✔
Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32	1	Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32	1	✔
Rte_Call_Sa_MtrDrvDiag_SystemTime_DtrmnElapsedTime_uS_u16	253	Rte_Call_Sa_MtrDrvDiag_SystemTime_DtrmnElapsedTime_uS_u16	253	✔
Rte_Call_Sa_MtrDrvDiag_FetFlt1Data_OP_GET	1	Rte_Call_Sa_MtrDrvDiag_FetFlt1Data_OP_GET	1	✔
Rte_Call_Sa_MtrDrvDiag_FetFlt2Clk_OP_SET	1	Rte_Call_Sa_MtrDrvDiag_FetFlt2Clk_OP_SET	1	✔
GateDrvWaitTime	1	GateDrvWaitTime	1	✔
Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32	1	Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32	1	✔
Rte_Call_Sa_MtrDrvDiag_SystemTime_DtrmnElapsedTime_uS_u16	1	Rte_Call_Sa_MtrDrvDiag_SystemTime_DtrmnElapsedTime_uS_u16	1	✔
Rte_Call_Sa_MtrDrvDiag_FetFlt2Clk_OP_SET	1	Rte_Call_Sa_MtrDrvDiag_FetFlt2Clk_OP_SET	1	✔
GateDrvWaitTime	1	GateDrvWaitTime	1	✔
Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32	1	Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32	1	✔
Rte_Call_Sa_MtrDrvDiag_SystemTime_DtrmnElapsedTime_uS_u16	1	Rte_Call_Sa_MtrDrvDiag_SystemTime_DtrmnElapsedTime_uS_u16	1	✔
Rte_Call_Sa_MtrDrvDiag_FetFlt1Data_OP_GET	1	Rte_Call_Sa_MtrDrvDiag_FetFlt1Data_OP_GET	1	✔
Rte_Call_Sa_MtrDrvDiag_FetFlt2Clk_OP_SET	1	Rte_Call_Sa_MtrDrvDiag_FetFlt2Clk_OP_SET	1	✔
GateDrvWaitTime	1	GateDrvWaitTime	1	✔
Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32	1	Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32	1	✔
Rte_Call_Sa_MtrDrvDiag_SystemTime_DtrmnElapsedTime_uS_u16	1	Rte_Call_Sa_MtrDrvDiag_SystemTime_DtrmnElapsedTime_uS_u16	1	✔
Rte_Call_Sa_MtrDrvDiag_FetFlt2Clk_OP_SET	1	Rte_Call_Sa_MtrDrvDiag_FetFlt2Clk_OP_SET	1	✔
GateDrvWaitTime	1	GateDrvWaitTime	1	✔
Rte_Call_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	Count	✔
Rte_Call_Sa_MtrDrvDiag_FetFlt2Clk_OP_SET	1	Rte_Call_Sa_MtrDrvDiag_FetFlt2Clk_OP_SET	1	✔
GateDrvWaitTime	1	GateDrvWaitTime	1	✔

Actual Function	Count	Expected Function	Count	Result
Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32	1	Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32	1	✔
Rte_Call_Sa_MtrDrvDiag_SystemTime_DtrmnElapsedTime_uS_u16	1	Rte_Call_Sa_MtrDrvDiag_SystemTime_DtrmnElapsedTime_uS_u16	1	✔
Rte_Call_Sa_MtrDrvDiag_FetFlt2Clk_OP_SET	1	Rte_Call_Sa_MtrDrvDiag_FetFlt2Clk_OP_SET	1	✔
GateDrvWaitTime	1	GateDrvWaitTime	1	✔
Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32	1	Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32	1	✔
Rte_Call_Sa_MtrDrvDiag_SystemTime_DtrmnElapsedTime_uS_u16	253	Rte_Call_Sa_MtrDrvDiag_SystemTime_DtrmnElapsedTime_uS_u16	253	✔
Rte_Call_Sa_MtrDrvDiag_FetFlt1Data_OP_GET	1	Rte_Call_Sa_MtrDrvDiag_FetFlt1Data_OP_GET	1	✔
Rte_Call_Sa_MtrDrvDiag_FetFlt2Clk_OP_SET	1	Rte_Call_Sa_MtrDrvDiag_FetFlt2Clk_OP_SET	1	✔
GateDrvWaitTime	1	GateDrvWaitTime	1	✔
Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32	1	Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32	1	✔
Rte_Call_Sa_MtrDrvDiag_SystemTime_DtrmnElapsedTime_uS_u16	1	Rte_Call_Sa_MtrDrvDiag_SystemTime_DtrmnElapsedTime_uS_u16	1	✔
Rte_Call_Sa_MtrDrvDiag_FetFlt2Clk_OP_SET	1	Rte_Call_Sa_MtrDrvDiag_FetFlt2Clk_OP_SET	1	✔
GateDrvWaitTime	1	GateDrvWaitTime	1	✔
Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32	1	Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32	1	✔
Rte_Call_Sa_MtrDrvDiag_SystemTime_DtrmnElapsedTime_uS_u16	1	Rte_Call_Sa_MtrDrvDiag_SystemTime_DtrmnElapsedTime_uS_u16	1	✔
Rte_Call_Sa_MtrDrvDiag_FetFlt1Data_OP_GET	1	Rte_Call_Sa_MtrDrvDiag_FetFlt1Data_OP_GET	1	✔
Rte_Call_Sa_MtrDrvDiag_FetFlt2Clk_OP_SET	1	Rte_Call_Sa_MtrDrvDiag_FetFlt2Clk_OP_SET	1	✔
GateDrvWaitTime	1	GateDrvWaitTime	1	✔
Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32	1	Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32	1	✔
Rte_Call_Sa_MtrDrvDiag_SystemTime_DtrmnElapsedTime_uS_u16	1	Rte_Call_Sa_MtrDrvDiag_SystemTime_DtrmnElapsedTime_uS_u16	1	✔
Rte_Call_Sa_MtrDrvDiag_IoHwAbPortConfig_SetFetFlt2ToOutput	1	Rte_Call_Sa_MtrDrvDiag_IoHwAbPortConfig_SetFetFlt2ToOutput	1	✔
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_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	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_lg	1
target_Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32_CurrentTir	50000

Name	Actual Value	Expected Value	Result
Rte_Call_Sa_MtrDrvDiag_NxtrDiagMgr_SetNTCStatus(NTC_Cnt_T_enum)	79	*none*	✔
Rte_Call_Sa_MtrDrvDiag_NxtrDiagMgr_SetNTCStatus(Param_Cnt_T_u08)	1	*none*	✔
Rte_Call_Sa_MtrDrvDiag_NxtrDiagMgr_SetNTCStatus(Status_Cnt_T_enum)	1	*none*	✔
SVDiag_FETFaultPhase_Cnt_M_enum	1	1	✔
SVDiag_FETFaultType_Cnt_M_enum	2	2	✔
SVDiag_ResetWaitLoop_Cnt_M_lgc	0	0	✔
target_GenGateDriveFltAccPtr_Cnt_T_u16	40	40	✔
target_OnStateFltAccPtr_Cnt_T_u16	66	66	✔

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

Test Step 2.11 (Repeat Count = 1) ✓

Name	Input Value
GenGateDriveFltAccPtr_Cnt_T_u16	target_GenGateDriveFltAccPtr_Cnt_T_u16
OnStateFltAccPtr_Cnt_T_u16	target_OnStateFltAccPtr_Cnt_T_u16
Rte_Call_Sa_MtrDrvDiag_NxtrDiagMgr_GetNTCFailed(NTCFailed_Ptr_T_lgc)	target_Rte_Call_Sa_MtrDrvDiag_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	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_lg	1
target_Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32_CurrentTir	60000

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					✓
Actual Function	**Count**	**Expected Function**		**Count**	**Result**
Rte_Call_Sa_MtrDrvDiag_NxtrDiagMgr_GetNTCFailed	1	Rte_Call_Sa_MtrDrvDiag_NxtrDiagMgr_GetNTCFailed		1	✓
Rte_Call_Sa_MtrDrvDiag_NxtrDiagMgr_SetNTCStatus	1	Rte_Call_Sa_MtrDrvDiag_NxtrDiagMgr_SetNTCStatus		1	✓

Test Step 2.12 (Repeat Count = 1) ✓

Name	Input Value
GenGateDriveFltAccPtr_Cnt_T_u16	target_GenGateDriveFltAccPtr_Cnt_T_u16
OnStateFltAccPtr_Cnt_T_u16	target_OnStateFltAccPtr_Cnt_T_u16
Rte_Call_Sa_MtrDrvDiag_NxtrDiagMgr_GetNTCFailed(NTCFailed_Ptr_T_lgc)	target_Rte_Call_Sa_MtrDrvDiag_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_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_lg	0
target_Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32_CurrentTir	83000

Name	Actual Value	Expected Value	Result
Rte_Call_Sa_MtrDrvDiag_NxtrDiagMgr_SetNTCStatus(NTC_Cnt_T_enum)	79	*none*	✓
Rte_Call_Sa_MtrDrvDiag_NxtrDiagMgr_SetNTCStatus(Param_Cnt_T_u08)	1	*none*	✓
Rte_Call_Sa_MtrDrvDiag_NxtrDiagMgr_SetNTCStatus(Status_Cnt_T_enum)	1	*none*	✓
SVDiag_FETFaultPhase_Cnt_M_enum	2	2	✓
SVDiag_FETFaultType_Cnt_M_enum	0	0	✓
SVDiag_ResetWaitLoop_Cnt_M_lgc	1	1	✓
target_GenGateDriveFltAccPtr_Cnt_T_u16	60	60	✓
target_OnStateFltAccPtr_Cnt_T_u16	1101	1101	✓

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

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 lg	0		
target_Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32_CurrentTir	83000		

Name	Actual Value	Expected Value	Result
Rte_Call_Sa_MtrDrvDiag_NxtrDiagMgr_SetNTCStatus(NTC_Cnt_T_enum)	77	77	✔
Rte_Call_Sa_MtrDrvDiag_NxtrDiagMgr_SetNTCStatus(Param_Cnt_T_u08)	2	2	✔
Rte_Call_Sa_MtrDrvDiag_NxtrDiagMgr_SetNTCStatus(Status_Cnt_T_enum)	1	1	✔
SVDiag_FETFaultPhase_Cnt_M_enum	0	0	✔
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	✔

T ✔

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_IoHwAbPortConfig_SetFetFlt2ToOutput	1	Rte_Call_Sa_MtrDrvDiag_IoHwAbPortConfig_SetFetFlt2ToOutput	1	✔
Rte_Call_Sa_MtrDrvDiag_FetFlt2Clk_OP_SET	1	Rte_Call_Sa_MtrDrvDiag_FetFlt2Clk_OP_SET	1	✔
GateDrvWaitTime	1	GateDrvWaitTime	1	✔
Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32	1	Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32	1	✔
Rte_Call_Sa_MtrDrvDiag_SystemTime_DtrmnElapsedTime_uS_u16	1	Rte_Call_Sa_MtrDrvDiag_SystemTime_DtrmnElapsedTime_uS_u16	1	✔
Rte_Call_Sa_MtrDrvDiag_FetFlt1Data_OP_GET	1	Rte_Call_Sa_MtrDrvDiag_FetFlt1Data_OP_GET	1	✔
Rte_Call_Sa_MtrDrvDiag_FetFlt2Clk_OP_SET	1	Rte_Call_Sa_MtrDrvDiag_FetFlt2Clk_OP_SET	1	✔
GateDrvWaitTime	1	GateDrvWaitTime	1	✔
Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32	1	Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32	1	✔
Rte_Call_Sa_MtrDrvDiag_SystemTime_DtrmnElapsedTime_uS_u16	1	Rte_Call_Sa_MtrDrvDiag_SystemTime_DtrmnElapsedTime_uS_u16	1	✔
Rte_Call_Sa_MtrDrvDiag_FetFlt2Clk_OP_SET	1	Rte_Call_Sa_MtrDrvDiag_FetFlt2Clk_OP_SET	1	✔
GateDrvWaitTime	1	GateDrvWaitTime	1	✔
Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32	1	Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32	1	✔
Rte_Call_Sa_MtrDrvDiag_SystemTime_DtrmnElapsedTime_uS_u16	1	Rte_Call_Sa_MtrDrvDiag_SystemTime_DtrmnElapsedTime_uS_u16	1	✔
Rte_Call_Sa_MtrDrvDiag_FetFlt1Data_OP_GET	1	Rte_Call_Sa_MtrDrvDiag_FetFlt1Data_OP_GET	1	✔
Rte_Call_Sa_MtrDrvDiag_FetFlt2Clk_OP_SET	1	Rte_Call_Sa_MtrDrvDiag_FetFlt2Clk_OP_SET	1	✔
GateDrvWaitTime	1	GateDrvWaitTime	1	✔
Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32	1	Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32	1	✔
Rte_Call_Sa_MtrDrvDiag_SystemTime_DtrmnElapsedTime_uS_u16	1	Rte_Call_Sa_MtrDrvDiag_SystemTime_DtrmnElapsedTime_uS_u16	1	✔
Rte_Call_Sa_MtrDrvDiag_FetFlt2Clk_OP_SET	1	Rte_Call_Sa_MtrDrvDiag_FetFlt2Clk_OP_SET	1	✔
GateDrvWaitTime	1	GateDrvWaitTime	1	✔
Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32	1	Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32	1	✔
Rte_Call_Sa_MtrDrvDiag_SystemTime_DtrmnElapsedTime_uS_u16	253	Rte_Call_Sa_MtrDrvDiag_SystemTime_DtrmnElapsedTime_uS_u16	253	✔
Rte_Call_Sa_MtrDrvDiag_FetFlt1Data_OP_GET	1	Rte_Call_Sa_MtrDrvDiag_FetFlt1Data_OP_GET	1	✔
Rte_Call_Sa_MtrDrvDiag_FetFlt2Clk_OP_SET	1	Rte_Call_Sa_MtrDrvDiag_FetFlt2Clk_OP_SET	1	✔
GateDrvWaitTime	1	GateDrvWaitTime	1	✔
Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32	1	Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32	1	✔
Rte_Call_Sa_MtrDrvDiag_SystemTime_DtrmnElapsedTime_uS_u16	1	Rte_Call_Sa_MtrDrvDiag_SystemTime_DtrmnElapsedTime_uS_u16	1	✔
Rte_Call_Sa_MtrDrvDiag_FetFlt2Clk_OP_SET	1	Rte_Call_Sa_MtrDrvDiag_FetFlt2Clk_OP_SET	1	✔
GateDrvWaitTime	1	GateDrvWaitTime	1	✔
Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32	1	Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32	1	✔
Rte_Call_Sa_MtrDrvDiag_SystemTime_DtrmnElapsedTime_uS_u16	1	Rte_Call_Sa_MtrDrvDiag_SystemTime_DtrmnElapsedTime_uS_u16	1	✔
Rte_Call_Sa_MtrDrvDiag_FetFlt1Data_OP_GET	1	Rte_Call_Sa_MtrDrvDiag_FetFlt1Data_OP_GET	1	✔
Rte_Call_Sa_MtrDrvDiag_FetFlt2Clk_OP_SET	1	Rte_Call_Sa_MtrDrvDiag_FetFlt2Clk_OP_SET	1	✔
GateDrvWaitTime	1	GateDrvWaitTime	1	✔
Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32	1	Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32	1	✔
Rte_Call_Sa_MtrDrvDiag_SystemTime_DtrmnElapsedTime_uS_u16	1	Rte_Call_Sa_MtrDrvDiag_SystemTime_DtrmnElapsedTime_uS_u16	1	✔
Rte_Call_Sa_MtrDrvDiag_FetFlt2Clk_OP_SET	1	Rte_Call_Sa_MtrDrvDiag_FetFlt2Clk_OP_SET	1	✔
GateDrvWaitTime	1	GateDrvWaitTime	1	✔
Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32	1	Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32	1	✔
Rte_Call_Sa_MtrDrvDiag_SystemTime_DtrmnElapsedTime_uS_u16	253	Rte_Call_Sa_MtrDrvDiag_SystemTime_DtrmnElapsedTime_uS_u16	253	✔
Rte_Call_Sa_MtrDrvDiag_FetFlt1Data_OP_GET	1	Rte_Call_Sa_MtrDrvDiag_FetFlt1Data_OP_GET	1	✔
Rte_Call_Sa_MtrDrvDiag_FetFlt2Clk_OP_SET	1	Rte_Call_Sa_MtrDrvDiag_FetFlt2Clk_OP_SET	1	✔
GateDrvWaitTime	1	GateDrvWaitTime	1	✔
Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32	1	Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32	1	✔
Rte_Call_Sa_MtrDrvDiag_SystemTime_DtrmnElapsedTime_uS_u16	1	Rte_Call_Sa_MtrDrvDiag_SystemTime_DtrmnElapsedTime_uS_u16	1	✔
Rte_Call_Sa_MtrDrvDiag_FetFlt2Clk_OP_SET	1	Rte_Call_Sa_MtrDrvDiag_FetFlt2Clk_OP_SET	1	✔
GateDrvWaitTime	1	GateDrvWaitTime	1	✔
Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32	1	Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32	1	✔
Rte_Call_Sa_MtrDrvDiag_SystemTime_DtrmnElapsedTime_uS_u16	1	Rte_Call_Sa_MtrDrvDiag_SystemTime_DtrmnElapsedTime_uS_u16	1	✔
Rte_Call_Sa_MtrDrvDiag_FetFlt1Data_OP_GET	1	Rte_Call_Sa_MtrDrvDiag_FetFlt1Data_OP_GET	1	✔
Rte_Call_Sa_MtrDrvDiag_FetFlt2Clk_OP_SET	1	Rte_Call_Sa_MtrDrvDiag_FetFlt2Clk_OP_SET	1	✔
GateDrvWaitTime	1	GateDrvWaitTime	1	✔
Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32	1	Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32	1	✔
Rte_Call_Sa_MtrDrvDiag_SystemTime_DtrmnElapsedTime_uS_u16	1	Rte_Call_Sa_MtrDrvDiag_SystemTime_DtrmnElapsedTime_uS_u16	1	✔
Rte_Call_Sa_MtrDrvDiag_FetFlt2Clk_OP_SET	1	Rte_Call_Sa_MtrDrvDiag_FetFlt2Clk_OP_SET	1	✔
GateDrvWaitTime	1	GateDrvWaitTime	1	✔
Rte_Call_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	Count	✔
Rte_Call_Sa_MtrDrvDiag_FetFlt2Clk_OP_SET	1	Rte_Call_Sa_MtrDrvDiag_FetFlt2Clk_OP_SET	1	✔
GateDrvWaitTime	1	GateDrvWaitTime	1	✔

Actual Function	Count	Expected Function	Count	Result
Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32	1	Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32	1	✔
Rte_Call_Sa_MtrDrvDiag_SystemTime_DtrmnElapsedTime_uS_u16	1	Rte_Call_Sa_MtrDrvDiag_SystemTime_DtrmnElapsedTime_uS_u16	1	✔
Rte_Call_Sa_MtrDrvDiag_FetFlt2Clk_OP_SET	1	Rte_Call_Sa_MtrDrvDiag_FetFlt2Clk_OP_SET	1	✔
GateDrvWaitTime	1	GateDrvWaitTime	1	✔
Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32	1	Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32	1	✔
Rte_Call_Sa_MtrDrvDiag_SystemTime_DtrmnElapsedTime_uS_u16	253	Rte_Call_Sa_MtrDrvDiag_SystemTime_DtrmnElapsedTime_uS_u16	253	✔
Rte_Call_Sa_MtrDrvDiag_FetFlt1Data_OP_GET	1	Rte_Call_Sa_MtrDrvDiag_FetFlt1Data_OP_GET	1	✔
Rte_Call_Sa_MtrDrvDiag_FetFlt2Clk_OP_SET	1	Rte_Call_Sa_MtrDrvDiag_FetFlt2Clk_OP_SET	1	✔
GateDrvWaitTime	1	GateDrvWaitTime	1	✔
Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32	1	Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32	1	✔
Rte_Call_Sa_MtrDrvDiag_SystemTime_DtrmnElapsedTime_uS_u16	1	Rte_Call_Sa_MtrDrvDiag_SystemTime_DtrmnElapsedTime_uS_u16	1	✔
Rte_Call_Sa_MtrDrvDiag_FetFlt2Clk_OP_SET	1	Rte_Call_Sa_MtrDrvDiag_FetFlt2Clk_OP_SET	1	✔
GateDrvWaitTime	1	GateDrvWaitTime	1	✔
Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32	1	Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32	1	✔
Rte_Call_Sa_MtrDrvDiag_SystemTime_DtrmnElapsedTime_uS_u16	1	Rte_Call_Sa_MtrDrvDiag_SystemTime_DtrmnElapsedTime_uS_u16	1	✔
Rte_Call_Sa_MtrDrvDiag_FetFlt1Data_OP_GET	1	Rte_Call_Sa_MtrDrvDiag_FetFlt1Data_OP_GET	1	✔
Rte_Call_Sa_MtrDrvDiag_FetFlt2Clk_OP_SET	1	Rte_Call_Sa_MtrDrvDiag_FetFlt2Clk_OP_SET	1	✔
GateDrvWaitTime	1	GateDrvWaitTime	1	✔
Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32	1	Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32	1	✔
Rte_Call_Sa_MtrDrvDiag_SystemTime_DtrmnElapsedTime_uS_u16	1	Rte_Call_Sa_MtrDrvDiag_SystemTime_DtrmnElapsedTime_uS_u16	1	✔
Rte_Call_Sa_MtrDrvDiag_IoHwAbPortConfig_SetFetFlt2ToOutput	1	Rte_Call_Sa_MtrDrvDiag_IoHwAbPortConfig_SetFetFlt2ToOutput	1	✔
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_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	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_CurrentTir	104350

Name	Actual Value	Expected Value	Result
Rte_Call_Sa_MtrDrvDiag_NxtrDiagMgr_SetNTCStatus(NTC_Cnt_T_enum)	79	79	✔
Rte_Call_Sa_MtrDrvDiag_NxtrDiagMgr_SetNTCStatus(Param_Cnt_T_u08)	1	1	✔
Rte_Call_Sa_MtrDrvDiag_NxtrDiagMgr_SetNTCStatus(Status_Cnt_T_enum)	1	1	✔
SVDiag_FETFaultPhase_Cnt_M_enum	3	3	✔
SVDiag_FETFaultType_Cnt_M_enum	1	1	✔
SVDiag_ResetWaitLoop_Cnt_M_lgc	0	0	✔
target_GenGateDriveFltAccPtr_Cnt_T_u16	110	110	✔
target_OnStateFltAccPtr_Cnt_T_u16	500	500	✔

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	✔

Test Step 2.15 (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	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

Name	Input Value
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)	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	✔

T ✔

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_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	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	1	✔
Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32	1	Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32	1	✔
Rte_Call_Sa_MtrDrvDiag_SystemTime_DtrmnElapsedTime_uS_u16	1	Rte_Call_Sa_MtrDrvDiag_SystemTime_DtrmnElapsedTime_uS_u16	1	✔
Rte_Call_Sa_MtrDrvDiag_FetFlt2Clk_OP_SET	1	Rte_Call_Sa_MtrDrvDiag_FetFlt2Clk_OP_SET	1	✔
GateDrvWaitTime	1	GateDrvWaitTime	1	✔
Rte_Call_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	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	✔

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
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	65535
k_OnStateDiag_Cnt_str.PStep	65535
target_GenGateDriveFltAccPtr_Cnt_T_u16	200
target_OnStateFltAccPtr_Cnt_T_u16	65535
target_Rte_Call_Sa_MtrDrvDiag_NxtrDiagMgr_GetNTCFailed_NTCFailed_Ptr_T_lg	1
target_Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32_CurrentTir	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	✔

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	✔

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 &&

1==(*OnStateFltAccPtr_Cnt_T_u16)>=(k_GateDriveDiag_Cnt_str.Threshold)?1:0=True &&
((*OnStateFltAccPtr_Cnt_T_u16)>=((k_GateDriveDiag_Cnt_str.Threshold))= True"
TS3.2"((*OnStateFltAccPtr_Cnt_T_u16)<((k_GateDriveDiag_Cnt_str.Threshold)-(k_GateDriveDiag_Cnt_str.PStep)
=True &&
1==(*OnStateFltAccPtr_Cnt_T_u16)>=(k_GateDriveDiag_Cnt_str.Threshold)?1:0=False &&
((*OnStateFltAccPtr_Cnt_T_u16)>=((k_GateDriveDiag_Cnt_str.Threshold))= False"
TS3.3"(TRUE == OnStateFltActive_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_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_lgc	0
target_Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32_CurrentTir	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	✔

T ✔

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_IoHwAbPortConfig_SetFetFlt2ToOutput	1	Rte_Call_Sa_MtrDrvDiag_IoHwAbPortConfig_SetFetFlt2ToOutput	1	✔
Rte_Call_Sa_MtrDrvDiag_FetFlt2Clk_OP_SET	1	Rte_Call_Sa_MtrDrvDiag_FetFlt2Clk_OP_SET	1	✔
GateDrvWaitTime	1	GateDrvWaitTime	1	✔
Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32	1	Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32	1	✔
Rte_Call_Sa_MtrDrvDiag_SystemTime_DtrmnElapsedTime_uS_u16	1	Rte_Call_Sa_MtrDrvDiag_SystemTime_DtrmnElapsedTime_uS_u16	1	✔
Rte_Call_Sa_MtrDrvDiag_FetFlt1Data_OP_GET	1	Rte_Call_Sa_MtrDrvDiag_FetFlt1Data_OP_GET	1	✔
Rte_Call_Sa_MtrDrvDiag_FetFlt2Clk_OP_SET	1	Rte_Call_Sa_MtrDrvDiag_FetFlt2Clk_OP_SET	1	✔
GateDrvWaitTime	1	GateDrvWaitTime	1	✔
Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32	1	Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32	1	✔
Rte_Call_Sa_MtrDrvDiag_SystemTime_DtrmnElapsedTime_uS_u16	1	Rte_Call_Sa_MtrDrvDiag_SystemTime_DtrmnElapsedTime_uS_u16	1	✔
Rte_Call_Sa_MtrDrvDiag_FetFlt2Clk_OP_SET	1	Rte_Call_Sa_MtrDrvDiag_FetFlt2Clk_OP_SET	1	✔
GateDrvWaitTime	1	GateDrvWaitTime	1	✔
Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32	1	Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32	1	✔
Rte_Call_Sa_MtrDrvDiag_SystemTime_DtrmnElapsedTime_uS_u16	1	Rte_Call_Sa_MtrDrvDiag_SystemTime_DtrmnElapsedTime_uS_u16	1	✔
Rte_Call_Sa_MtrDrvDiag_FetFlt1Data_OP_GET	1	Rte_Call_Sa_MtrDrvDiag_FetFlt1Data_OP_GET	1	✔
Rte_Call_Sa_MtrDrvDiag_FetFlt2Clk_OP_SET	1	Rte_Call_Sa_MtrDrvDiag_FetFlt2Clk_OP_SET	1	✔
GateDrvWaitTime	1	GateDrvWaitTime	1	✔
Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32	1	Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32	1	✔
Rte_Call_Sa_MtrDrvDiag_SystemTime_DtrmnElapsedTime_uS_u16	1	Rte_Call_Sa_MtrDrvDiag_SystemTime_DtrmnElapsedTime_uS_u16	1	✔
Rte_Call_Sa_MtrDrvDiag_FetFlt2Clk_OP_SET	1	Rte_Call_Sa_MtrDrvDiag_FetFlt2Clk_OP_SET	1	✔
GateDrvWaitTime	1	GateDrvWaitTime	1	✔
Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32	1	Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32	1	✔
Rte_Call_Sa_MtrDrvDiag_SystemTime_DtrmnElapsedTime_uS_u16	253	Rte_Call_Sa_MtrDrvDiag_SystemTime_DtrmnElapsedTime_uS_u16	253	✔
Rte_Call_Sa_MtrDrvDiag_FetFlt1Data_OP_GET	1	Rte_Call_Sa_MtrDrvDiag_FetFlt1Data_OP_GET	1	✔
Rte_Call_Sa_MtrDrvDiag_FetFlt2Clk_OP_SET	1	Rte_Call_Sa_MtrDrvDiag_FetFlt2Clk_OP_SET	1	✔
GateDrvWaitTime	1	GateDrvWaitTime	1	✔
Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32	1	Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32	1	✔
Rte_Call_Sa_MtrDrvDiag_SystemTime_DtrmnElapsedTime_uS_u16	1	Rte_Call_Sa_MtrDrvDiag_SystemTime_DtrmnElapsedTime_uS_u16	1	✔
Rte_Call_Sa_MtrDrvDiag_FetFlt2Clk_OP_SET	1	Rte_Call_Sa_MtrDrvDiag_FetFlt2Clk_OP_SET	1	✔
GateDrvWaitTime	1	GateDrvWaitTime	1	✔
Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32	1	Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32	1	✔
Rte_Call_Sa_MtrDrvDiag_SystemTime_DtrmnElapsedTime_uS_u16	1	Rte_Call_Sa_MtrDrvDiag_SystemTime_DtrmnElapsedTime_uS_u16	1	✔
Rte_Call_Sa_MtrDrvDiag_FetFlt1Data_OP_GET	1	Rte_Call_Sa_MtrDrvDiag_FetFlt1Data_OP_GET	1	✔
Rte_Call_Sa_MtrDrvDiag_FetFlt2Clk_OP_SET	1	Rte_Call_Sa_MtrDrvDiag_FetFlt2Clk_OP_SET	1	✔
GateDrvWaitTime	1	GateDrvWaitTime	1	✔
Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32	1	Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32	1	✔
Rte_Call_Sa_MtrDrvDiag_SystemTime_DtrmnElapsedTime_uS_u16	1	Rte_Call_Sa_MtrDrvDiag_SystemTime_DtrmnElapsedTime_uS_u16	1	✔
Rte_Call_Sa_MtrDrvDiag_FetFlt2Clk_OP_SET	1	Rte_Call_Sa_MtrDrvDiag_FetFlt2Clk_OP_SET	1	✔
GateDrvWaitTime	1	GateDrvWaitTime	1	✔
Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32	1	Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32	1	✔
Rte_Call_Sa_MtrDrvDiag_SystemTime_DtrmnElapsedTime_uS_u16	253	Rte_Call_Sa_MtrDrvDiag_SystemTime_DtrmnElapsedTime_uS_u16	253	✔
Rte_Call_Sa_MtrDrvDiag_FetFlt1Data_OP_GET	1	Rte_Call_Sa_MtrDrvDiag_FetFlt1Data_OP_GET	1	✔
Rte_Call_Sa_MtrDrvDiag_FetFlt2Clk_OP_SET	1	Rte_Call_Sa_MtrDrvDiag_FetFlt2Clk_OP_SET	1	✔
GateDrvWaitTime	1	GateDrvWaitTime	1	✔
Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32	1	Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32	1	✔
Rte_Call_Sa_MtrDrvDiag_SystemTime_DtrmnElapsedTime_uS_u16	1	Rte_Call_Sa_MtrDrvDiag_SystemTime_DtrmnElapsedTime_uS_u16	1	✔
Rte_Call_Sa_MtrDrvDiag_FetFlt2Clk_OP_SET	1	Rte_Call_Sa_MtrDrvDiag_FetFlt2Clk_OP_SET	1	✔
GateDrvWaitTime	1	GateDrvWaitTime	1	✔
Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32	1	Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32	1	✔
Rte_Call_Sa_MtrDrvDiag_SystemTime_DtrmnElapsedTime_uS_u16	1	Rte_Call_Sa_MtrDrvDiag_SystemTime_DtrmnElapsedTime_uS_u16	1	✔
Rte_Call_Sa_MtrDrvDiag_FetFlt1Data_OP_GET	1	Rte_Call_Sa_MtrDrvDiag_FetFlt1Data_OP_GET	1	✔
Rte_Call_Sa_MtrDrvDiag_FetFlt2Clk_OP_SET	1	Rte_Call_Sa_MtrDrvDiag_FetFlt2Clk_OP_SET	1	✔
GateDrvWaitTime	1	GateDrvWaitTime	1	✔
Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32	1	Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32	1	✔
Rte_Call_Sa_MtrDrvDiag_SystemTime_DtrmnElapsedTime_uS_u16	1	Rte_Call_Sa_MtrDrvDiag_SystemTime_DtrmnElapsedTime_uS_u16	1	✔
Rte_Call_Sa_MtrDrvDiag_FetFlt2Clk_OP_SET	1	Rte_Call_Sa_MtrDrvDiag_FetFlt2Clk_OP_SET	1	✔
GateDrvWaitTime	1	GateDrvWaitTime	1	✔
Rte_Call_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	Count	✔
Rte_Call_Sa_MtrDrvDiag_FetFlt2Clk_OP_SET	1	Rte_Call_Sa_MtrDrvDiag_FetFlt2Clk_OP_SET	1	✔
GateDrvWaitTime	1	GateDrvWaitTime	1	✔

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

Test Step 3.2 (Repeat Count = 1)   ✔

Name	Input Value
GenGateDriveFltAccPtr_Cnt_T_u16	target_GenGateDriveFltAccPtr_Cnt_T_u16
OnStateFltAccPtr_Cnt_T_u16	target_OnStateFltAccPtr_Cnt_T_u16
Rte_Call_Sa_MtrDrvDiag_NxtrDiagMgr_GetNTCFailed(NTCFailed_Ptr_T_lgc)	target_Rte_Call_Sa_MtrDrvDiag_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_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	1	✔
target_GenGateDriveFltAccPtr_Cnt_T_u16	20	20	✔
target_OnStateFltAccPtr_Cnt_T_u16	2031	2031	✔

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

Test Step 3.3 (Repeat Count = 1) ✔

Name	Input Value
GenGateDriveFltAccPtr_Cnt_T_u16	target_GenGateDriveFltAccPtr_Cnt_T_u16
OnStateFltAccPtr_Cnt_T_u16	target_OnStateFltAccPtr_Cnt_T_u16
Rte_Call_Sa_MtrDrvDiag_NxtrDiagMgr_GetNTCFailed(NTCFailed_Ptr_T_lgc)	target_Rte_Call_Sa_MtrDrvDiag_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_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_lg	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	✔

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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	✔

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_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_lg	0
target_Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32_CurrentTir	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_IoHwAbPortConfig_SetFetFlt2ToOutput	1	Rte_Call_Sa_MtrDrvDiag_IoHwAbPortConfig_SetFetFlt2ToOutput	1	✔
Rte_Call_Sa_MtrDrvDiag_FetFlt2Clk_OP_SET	1	Rte_Call_Sa_MtrDrvDiag_FetFlt2Clk_OP_SET	1	✔
GateDrvWaitTime	1	GateDrvWaitTime	1	✔
Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32	1	Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32	1	✔
Rte_Call_Sa_MtrDrvDiag_SystemTime_DtrmnElapsedTime_uS_u16	1	Rte_Call_Sa_MtrDrvDiag_SystemTime_DtrmnElapsedTime_uS_u16	1	✔
Rte_Call_Sa_MtrDrvDiag_FetFlt1Data_OP_GET	1	Rte_Call_Sa_MtrDrvDiag_FetFlt1Data_OP_GET	1	✔
Rte_Call_Sa_MtrDrvDiag_FetFlt2Clk_OP_SET	1	Rte_Call_Sa_MtrDrvDiag_FetFlt2Clk_OP_SET	1	✔
GateDrvWaitTime	1	GateDrvWaitTime	1	✔
Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32	1	Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32	1	✔
Rte_Call_Sa_MtrDrvDiag_SystemTime_DtrmnElapsedTime_uS_u16	1	Rte_Call_Sa_MtrDrvDiag_SystemTime_DtrmnElapsedTime_uS_u16	1	✔
Rte_Call_Sa_MtrDrvDiag_FetFlt2Clk_OP_SET	1	Rte_Call_Sa_MtrDrvDiag_FetFlt2Clk_OP_SET	1	✔
GateDrvWaitTime	1	GateDrvWaitTime	1	✔
Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32	1	Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32	1	✔
Rte_Call_Sa_MtrDrvDiag_SystemTime_DtrmnElapsedTime_uS_u16	1	Rte_Call_Sa_MtrDrvDiag_SystemTime_DtrmnElapsedTime_uS_u16	1	✔
Rte_Call_Sa_MtrDrvDiag_FetFlt1Data_OP_GET	1	Rte_Call_Sa_MtrDrvDiag_FetFlt1Data_OP_GET	1	✔
Rte_Call_Sa_MtrDrvDiag_FetFlt2Clk_OP_SET	1	Rte_Call_Sa_MtrDrvDiag_FetFlt2Clk_OP_SET	1	✔
GateDrvWaitTime	1	GateDrvWaitTime	1	✔
Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32	1	Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32	1	✔
Rte_Call_Sa_MtrDrvDiag_SystemTime_DtrmnElapsedTime_uS_u16	1	Rte_Call_Sa_MtrDrvDiag_SystemTime_DtrmnElapsedTime_uS_u16	1	✔
Rte_Call_Sa_MtrDrvDiag_FetFlt2Clk_OP_SET	1	Rte_Call_Sa_MtrDrvDiag_FetFlt2Clk_OP_SET	1	✔
GateDrvWaitTime	1	GateDrvWaitTime	1	✔
Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32	1	Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32	1	✔
Rte_Call_Sa_MtrDrvDiag_SystemTime_DtrmnElapsedTime_uS_u16	253	Rte_Call_Sa_MtrDrvDiag_SystemTime_DtrmnElapsedTime_uS_u16	253	✔
Rte_Call_Sa_MtrDrvDiag_FetFlt1Data_OP_GET	1	Rte_Call_Sa_MtrDrvDiag_FetFlt1Data_OP_GET	1	✔
Rte_Call_Sa_MtrDrvDiag_FetFlt2Clk_OP_SET	1	Rte_Call_Sa_MtrDrvDiag_FetFlt2Clk_OP_SET	1	✔
GateDrvWaitTime	1	GateDrvWaitTime	1	✔
Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32	1	Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32	1	✔
Rte_Call_Sa_MtrDrvDiag_SystemTime_DtrmnElapsedTime_uS_u16	1	Rte_Call_Sa_MtrDrvDiag_SystemTime_DtrmnElapsedTime_uS_u16	1	✔
Rte_Call_Sa_MtrDrvDiag_FetFlt2Clk_OP_SET	1	Rte_Call_Sa_MtrDrvDiag_FetFlt2Clk_OP_SET	1	✔
GateDrvWaitTime	1	GateDrvWaitTime	1	✔
Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32	1	Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32	1	✔
Rte_Call_Sa_MtrDrvDiag_SystemTime_DtrmnElapsedTime_uS_u16	1	Rte_Call_Sa_MtrDrvDiag_SystemTime_DtrmnElapsedTime_uS_u16	1	✔
Rte_Call_Sa_MtrDrvDiag_FetFlt1Data_OP_GET	1	Rte_Call_Sa_MtrDrvDiag_FetFlt1Data_OP_GET	1	✔
Rte_Call_Sa_MtrDrvDiag_FetFlt2Clk_OP_SET	1	Rte_Call_Sa_MtrDrvDiag_FetFlt2Clk_OP_SET	1	✔
GateDrvWaitTime	1	GateDrvWaitTime	1	✔
Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32	1	Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32	1	✔
Rte_Call_Sa_MtrDrvDiag_SystemTime_DtrmnElapsedTime_uS_u16	1	Rte_Call_Sa_MtrDrvDiag_SystemTime_DtrmnElapsedTime_uS_u16	1	✔
Rte_Call_Sa_MtrDrvDiag_FetFlt2Clk_OP_SET	1	Rte_Call_Sa_MtrDrvDiag_FetFlt2Clk_OP_SET	1	✔
GateDrvWaitTime	1	GateDrvWaitTime	1	✔
Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32	1	Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32	1	✔
Rte_Call_Sa_MtrDrvDiag_SystemTime_DtrmnElapsedTime_uS_u16	253	Rte_Call_Sa_MtrDrvDiag_SystemTime_DtrmnElapsedTime_uS_u16	253	✔
Rte_Call_Sa_MtrDrvDiag_FetFlt1Data_OP_GET	1	Rte_Call_Sa_MtrDrvDiag_FetFlt1Data_OP_GET	1	✔
Rte_Call_Sa_MtrDrvDiag_FetFlt2Clk_OP_SET	1	Rte_Call_Sa_MtrDrvDiag_FetFlt2Clk_OP_SET	1	✔
GateDrvWaitTime	1	GateDrvWaitTime	1	✔
Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32	1	Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32	1	✔
Rte_Call_Sa_MtrDrvDiag_SystemTime_DtrmnElapsedTime_uS_u16	1	Rte_Call_Sa_MtrDrvDiag_SystemTime_DtrmnElapsedTime_uS_u16	1	✔
Rte_Call_Sa_MtrDrvDiag_FetFlt2Clk_OP_SET	1	Rte_Call_Sa_MtrDrvDiag_FetFlt2Clk_OP_SET	1	✔
GateDrvWaitTime	1	GateDrvWaitTime	1	✔
Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32	1	Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32	1	✔
Rte_Call_Sa_MtrDrvDiag_SystemTime_DtrmnElapsedTime_uS_u16	1	Rte_Call_Sa_MtrDrvDiag_SystemTime_DtrmnElapsedTime_uS_u16	1	✔
Rte_Call_Sa_MtrDrvDiag_FetFlt1Data_OP_GET	1	Rte_Call_Sa_MtrDrvDiag_FetFlt1Data_OP_GET	1	✔
Rte_Call_Sa_MtrDrvDiag_FetFlt2Clk_OP_SET	1	Rte_Call_Sa_MtrDrvDiag_FetFlt2Clk_OP_SET	1	✔
GateDrvWaitTime	1	GateDrvWaitTime	1	✔
Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32	1	Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32	1	✔
Rte_Call_Sa_MtrDrvDiag_SystemTime_DtrmnElapsedTime_uS_u16	1	Rte_Call_Sa_MtrDrvDiag_SystemTime_DtrmnElapsedTime_uS_u16	1	✔
Rte_Call_Sa_MtrDrvDiag_FetFlt2Clk_OP_SET	1	Rte_Call_Sa_MtrDrvDiag_FetFlt2Clk_OP_SET	1	✔
GateDrvWaitTime	1	GateDrvWaitTime	1	✔
Rte_Call_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	Count	✔
Rte_Call_Sa_MtrDrvDiag_FetFlt2Clk_OP_SET	1	Rte_Call_Sa_MtrDrvDiag_FetFlt2Clk_OP_SET	1	✔
GateDrvWaitTime	1	GateDrvWaitTime	1	✔

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

Test Step 3.5 (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	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_lg	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	✔

T ✔

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_IoHwAbPortConfig_SetFetFlt2ToOutput	1	Rte_Call_Sa_MtrDrvDiag_IoHwAbPortConfig_SetFetFlt2ToOutput	1	✔
Rte_Call_Sa_MtrDrvDiag_FetFlt2Clk_OP_SET	1	Rte_Call_Sa_MtrDrvDiag_FetFlt2Clk_OP_SET	1	✔
GateDrvWaitTime	1	GateDrvWaitTime	1	✔
Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32	1	Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32	1	✔
Rte_Call_Sa_MtrDrvDiag_SystemTime_DtrmnElapsedTime_uS_u16	1	Rte_Call_Sa_MtrDrvDiag_SystemTime_DtrmnElapsedTime_uS_u16	1	✔
Rte_Call_Sa_MtrDrvDiag_FetFlt1Data_OP_GET	1	Rte_Call_Sa_MtrDrvDiag_FetFlt1Data_OP_GET	1	✔
Rte_Call_Sa_MtrDrvDiag_FetFlt2Clk_OP_SET	1	Rte_Call_Sa_MtrDrvDiag_FetFlt2Clk_OP_SET	1	✔
GateDrvWaitTime	1	GateDrvWaitTime	1	✔
Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32	1	Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32	1	✔
Rte_Call_Sa_MtrDrvDiag_SystemTime_DtrmnElapsedTime_uS_u16	1	Rte_Call_Sa_MtrDrvDiag_SystemTime_DtrmnElapsedTime_uS_u16	1	✔
Rte_Call_Sa_MtrDrvDiag_FetFlt2Clk_OP_SET	1	Rte_Call_Sa_MtrDrvDiag_FetFlt2Clk_OP_SET	1	✔
GateDrvWaitTime	1	GateDrvWaitTime	1	✔
Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32	1	Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32	1	✔
Rte_Call_Sa_MtrDrvDiag_SystemTime_DtrmnElapsedTime_uS_u16	1	Rte_Call_Sa_MtrDrvDiag_SystemTime_DtrmnElapsedTime_uS_u16	1	✔
Rte_Call_Sa_MtrDrvDiag_FetFlt1Data_OP_GET	1	Rte_Call_Sa_MtrDrvDiag_FetFlt1Data_OP_GET	1	✔
Rte_Call_Sa_MtrDrvDiag_FetFlt2Clk_OP_SET	1	Rte_Call_Sa_MtrDrvDiag_FetFlt2Clk_OP_SET	1	✔
GateDrvWaitTime	1	GateDrvWaitTime	1	✔
Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32	1	Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32	1	✔
Rte_Call_Sa_MtrDrvDiag_SystemTime_DtrmnElapsedTime_uS_u16	1	Rte_Call_Sa_MtrDrvDiag_SystemTime_DtrmnElapsedTime_uS_u16	1	✔
Rte_Call_Sa_MtrDrvDiag_FetFlt2Clk_OP_SET	1	Rte_Call_Sa_MtrDrvDiag_FetFlt2Clk_OP_SET	1	✔
GateDrvWaitTime	1	GateDrvWaitTime	1	✔
Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32	1	Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32	1	✔
Rte_Call_Sa_MtrDrvDiag_SystemTime_DtrmnElapsedTime_uS_u16	253	Rte_Call_Sa_MtrDrvDiag_SystemTime_DtrmnElapsedTime_uS_u16	253	✔
Rte_Call_Sa_MtrDrvDiag_FetFlt1Data_OP_GET	1	Rte_Call_Sa_MtrDrvDiag_FetFlt1Data_OP_GET	1	✔
Rte_Call_Sa_MtrDrvDiag_FetFlt2Clk_OP_SET	1	Rte_Call_Sa_MtrDrvDiag_FetFlt2Clk_OP_SET	1	✔
GateDrvWaitTime	1	GateDrvWaitTime	1	✔
Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32	1	Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32	1	✔
Rte_Call_Sa_MtrDrvDiag_SystemTime_DtrmnElapsedTime_uS_u16	1	Rte_Call_Sa_MtrDrvDiag_SystemTime_DtrmnElapsedTime_uS_u16	1	✔
Rte_Call_Sa_MtrDrvDiag_FetFlt2Clk_OP_SET	1	Rte_Call_Sa_MtrDrvDiag_FetFlt2Clk_OP_SET	1	✔
GateDrvWaitTime	1	GateDrvWaitTime	1	✔
Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32	1	Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32	1	✔
Rte_Call_Sa_MtrDrvDiag_SystemTime_DtrmnElapsedTime_uS_u16	1	Rte_Call_Sa_MtrDrvDiag_SystemTime_DtrmnElapsedTime_uS_u16	1	✔
Rte_Call_Sa_MtrDrvDiag_FetFlt1Data_OP_GET	1	Rte_Call_Sa_MtrDrvDiag_FetFlt1Data_OP_GET	1	✔
Rte_Call_Sa_MtrDrvDiag_FetFlt2Clk_OP_SET	1	Rte_Call_Sa_MtrDrvDiag_FetFlt2Clk_OP_SET	1	✔
GateDrvWaitTime	1	GateDrvWaitTime	1	✔
Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32	1	Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32	1	✔
Rte_Call_Sa_MtrDrvDiag_SystemTime_DtrmnElapsedTime_uS_u16	1	Rte_Call_Sa_MtrDrvDiag_SystemTime_DtrmnElapsedTime_uS_u16	1	✔
Rte_Call_Sa_MtrDrvDiag_FetFlt2Clk_OP_SET	1	Rte_Call_Sa_MtrDrvDiag_FetFlt2Clk_OP_SET	1	✔
GateDrvWaitTime	1	GateDrvWaitTime	1	✔
Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32	1	Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32	1	✔
Rte_Call_Sa_MtrDrvDiag_SystemTime_DtrmnElapsedTime_uS_u16	253	Rte_Call_Sa_MtrDrvDiag_SystemTime_DtrmnElapsedTime_uS_u16	253	✔
Rte_Call_Sa_MtrDrvDiag_FetFlt1Data_OP_GET	1	Rte_Call_Sa_MtrDrvDiag_FetFlt1Data_OP_GET	1	✔
Rte_Call_Sa_MtrDrvDiag_FetFlt2Clk_OP_SET	1	Rte_Call_Sa_MtrDrvDiag_FetFlt2Clk_OP_SET	1	✔
GateDrvWaitTime	1	GateDrvWaitTime	1	✔
Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32	1	Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32	1	✔
Rte_Call_Sa_MtrDrvDiag_SystemTime_DtrmnElapsedTime_uS_u16	1	Rte_Call_Sa_MtrDrvDiag_SystemTime_DtrmnElapsedTime_uS_u16	1	✔
Rte_Call_Sa_MtrDrvDiag_FetFlt2Clk_OP_SET	1	Rte_Call_Sa_MtrDrvDiag_FetFlt2Clk_OP_SET	1	✔
GateDrvWaitTime	1	GateDrvWaitTime	1	✔
Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32	1	Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32	1	✔
Rte_Call_Sa_MtrDrvDiag_SystemTime_DtrmnElapsedTime_uS_u16	1	Rte_Call_Sa_MtrDrvDiag_SystemTime_DtrmnElapsedTime_uS_u16	1	✔
Rte_Call_Sa_MtrDrvDiag_FetFlt1Data_OP_GET	1	Rte_Call_Sa_MtrDrvDiag_FetFlt1Data_OP_GET	1	✔
Rte_Call_Sa_MtrDrvDiag_FetFlt2Clk_OP_SET	1	Rte_Call_Sa_MtrDrvDiag_FetFlt2Clk_OP_SET	1	✔
GateDrvWaitTime	1	GateDrvWaitTime	1	✔
Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32	1	Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32	1	✔
Rte_Call_Sa_MtrDrvDiag_SystemTime_DtrmnElapsedTime_uS_u16	1	Rte_Call_Sa_MtrDrvDiag_SystemTime_DtrmnElapsedTime_uS_u16	1	✔
Rte_Call_Sa_MtrDrvDiag_FetFlt2Clk_OP_SET	1	Rte_Call_Sa_MtrDrvDiag_FetFlt2Clk_OP_SET	1	✔
GateDrvWaitTime	1	GateDrvWaitTime	1	✔
Rte_Call_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	Count	✔
Rte_Call_Sa_MtrDrvDiag_FetFlt2Clk_OP_SET	1	Rte_Call_Sa_MtrDrvDiag_FetFlt2Clk_OP_SET	1	✔
GateDrvWaitTime	1	GateDrvWaitTime	1	✔

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

Test Step 3.6 (Repeat Count = 1)				✔
Name	**Input Value**			
GenGateDriveFltAccPtr_Cnt_T_u16	target_GenGateDriveFltAccPtr_Cnt_T_u16			
OnStateFltAccPtr_Cnt_T_u16	target_OnStateFltAccPtr_Cnt_T_u16			
Rte_Call_Sa_MtrDrvDiag_NxtrDiagMgr_GetNTCFailed(NTCFailed_Ptr_T_lgc)	target_Rte_Call_Sa_MtrDrvDiag_NxtrDiagMgr_GetNTCFailed_NTCFailed_Ptr_T_lgc			
Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32(CurrentTime)	target_Rte_Call_Sa_MtrDrvDiag_SystemTime_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_lgc	0			
target_Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32_CurrentTime	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	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_IoHwAbPortConfig_SetFetFlt2ToOutput	1	Rte_Call_Sa_MtrDrvDiag_IoHwAbPortConfig_SetFetFlt2ToOutput	1	✔
Rte_Call_Sa_MtrDrvDiag_FetFlt2Clk_OP_SET	1	Rte_Call_Sa_MtrDrvDiag_FetFlt2Clk_OP_SET	1	✔
GateDrvWaitTime	1	GateDrvWaitTime	1	✔
Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32	1	Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32	1	✔
Rte_Call_Sa_MtrDrvDiag_SystemTime_DtrmnElapsedTime_uS_u16	1	Rte_Call_Sa_MtrDrvDiag_SystemTime_DtrmnElapsedTime_uS_u16	1	✔
Rte_Call_Sa_MtrDrvDiag_FetFlt1Data_OP_GET	1	Rte_Call_Sa_MtrDrvDiag_FetFlt1Data_OP_GET	1	✔
Rte_Call_Sa_MtrDrvDiag_FetFlt2Clk_OP_SET	1	Rte_Call_Sa_MtrDrvDiag_FetFlt2Clk_OP_SET	1	✔
GateDrvWaitTime	1	GateDrvWaitTime	1	✔
Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32	1	Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32	1	✔
Rte_Call_Sa_MtrDrvDiag_SystemTime_DtrmnElapsedTime_uS_u16	1	Rte_Call_Sa_MtrDrvDiag_SystemTime_DtrmnElapsedTime_uS_u16	1	✔
Rte_Call_Sa_MtrDrvDiag_FetFlt2Clk_OP_SET	1	Rte_Call_Sa_MtrDrvDiag_FetFlt2Clk_OP_SET	1	✔
GateDrvWaitTime	1	GateDrvWaitTime	1	✔
Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32	1	Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32	1	✔
Rte_Call_Sa_MtrDrvDiag_SystemTime_DtrmnElapsedTime_uS_u16	1	Rte_Call_Sa_MtrDrvDiag_SystemTime_DtrmnElapsedTime_uS_u16	1	✔
Rte_Call_Sa_MtrDrvDiag_FetFlt1Data_OP_GET	1	Rte_Call_Sa_MtrDrvDiag_FetFlt1Data_OP_GET	1	✔
Rte_Call_Sa_MtrDrvDiag_FetFlt2Clk_OP_SET	1	Rte_Call_Sa_MtrDrvDiag_FetFlt2Clk_OP_SET	1	✔
GateDrvWaitTime	1	GateDrvWaitTime	1	✔
Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32	1	Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32	1	✔
Rte_Call_Sa_MtrDrvDiag_SystemTime_DtrmnElapsedTime_uS_u16	1	Rte_Call_Sa_MtrDrvDiag_SystemTime_DtrmnElapsedTime_uS_u16	1	✔
Rte_Call_Sa_MtrDrvDiag_FetFlt2Clk_OP_SET	1	Rte_Call_Sa_MtrDrvDiag_FetFlt2Clk_OP_SET	1	✔
GateDrvWaitTime	1	GateDrvWaitTime	1	✔
Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32	1	Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32	1	✔
Rte_Call_Sa_MtrDrvDiag_SystemTime_DtrmnElapsedTime_uS_u16	253	Rte_Call_Sa_MtrDrvDiag_SystemTime_DtrmnElapsedTime_uS_u16	253	✔
Rte_Call_Sa_MtrDrvDiag_FetFlt1Data_OP_GET	1	Rte_Call_Sa_MtrDrvDiag_FetFlt1Data_OP_GET	1	✔
Rte_Call_Sa_MtrDrvDiag_FetFlt2Clk_OP_SET	1	Rte_Call_Sa_MtrDrvDiag_FetFlt2Clk_OP_SET	1	✔
GateDrvWaitTime	1	GateDrvWaitTime	1	✔
Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32	1	Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32	1	✔
Rte_Call_Sa_MtrDrvDiag_SystemTime_DtrmnElapsedTime_uS_u16	1	Rte_Call_Sa_MtrDrvDiag_SystemTime_DtrmnElapsedTime_uS_u16	1	✔
Rte_Call_Sa_MtrDrvDiag_FetFlt2Clk_OP_SET	1	Rte_Call_Sa_MtrDrvDiag_FetFlt2Clk_OP_SET	1	✔
GateDrvWaitTime	1	GateDrvWaitTime	1	✔
Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32	1	Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32	1	✔
Rte_Call_Sa_MtrDrvDiag_SystemTime_DtrmnElapsedTime_uS_u16	1	Rte_Call_Sa_MtrDrvDiag_SystemTime_DtrmnElapsedTime_uS_u16	1	✔
Rte_Call_Sa_MtrDrvDiag_FetFlt1Data_OP_GET	1	Rte_Call_Sa_MtrDrvDiag_FetFlt1Data_OP_GET	1	✔
Rte_Call_Sa_MtrDrvDiag_FetFlt2Clk_OP_SET	1	Rte_Call_Sa_MtrDrvDiag_FetFlt2Clk_OP_SET	1	✔
GateDrvWaitTime	1	GateDrvWaitTime	1	✔
Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32	1	Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32	1	✔
Rte_Call_Sa_MtrDrvDiag_SystemTime_DtrmnElapsedTime_uS_u16	1	Rte_Call_Sa_MtrDrvDiag_SystemTime_DtrmnElapsedTime_uS_u16	1	✔
Rte_Call_Sa_MtrDrvDiag_FetFlt2Clk_OP_SET	1	Rte_Call_Sa_MtrDrvDiag_FetFlt2Clk_OP_SET	1	✔
GateDrvWaitTime	1	GateDrvWaitTime	1	✔
Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32	1	Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32	1	✔
Rte_Call_Sa_MtrDrvDiag_SystemTime_DtrmnElapsedTime_uS_u16	253	Rte_Call_Sa_MtrDrvDiag_SystemTime_DtrmnElapsedTime_uS_u16	253	✔
Rte_Call_Sa_MtrDrvDiag_FetFlt1Data_OP_GET	1	Rte_Call_Sa_MtrDrvDiag_FetFlt1Data_OP_GET	1	✔
Rte_Call_Sa_MtrDrvDiag_FetFlt2Clk_OP_SET	1	Rte_Call_Sa_MtrDrvDiag_FetFlt2Clk_OP_SET	1	✔
GateDrvWaitTime	1	GateDrvWaitTime	1	✔
Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32	1	Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32	1	✔
Rte_Call_Sa_MtrDrvDiag_SystemTime_DtrmnElapsedTime_uS_u16	1	Rte_Call_Sa_MtrDrvDiag_SystemTime_DtrmnElapsedTime_uS_u16	1	✔
Rte_Call_Sa_MtrDrvDiag_FetFlt2Clk_OP_SET	1	Rte_Call_Sa_MtrDrvDiag_FetFlt2Clk_OP_SET	1	✔
GateDrvWaitTime	1	GateDrvWaitTime	1	✔
Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32	1	Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32	1	✔
Rte_Call_Sa_MtrDrvDiag_SystemTime_DtrmnElapsedTime_uS_u16	1	Rte_Call_Sa_MtrDrvDiag_SystemTime_DtrmnElapsedTime_uS_u16	1	✔
Rte_Call_Sa_MtrDrvDiag_FetFlt1Data_OP_GET	1	Rte_Call_Sa_MtrDrvDiag_FetFlt1Data_OP_GET	1	✔
Rte_Call_Sa_MtrDrvDiag_FetFlt2Clk_OP_SET	1	Rte_Call_Sa_MtrDrvDiag_FetFlt2Clk_OP_SET	1	✔
GateDrvWaitTime	1	GateDrvWaitTime	1	✔
Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32	1	Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32	1	✔
Rte_Call_Sa_MtrDrvDiag_SystemTime_DtrmnElapsedTime_uS_u16	1	Rte_Call_Sa_MtrDrvDiag_SystemTime_DtrmnElapsedTime_uS_u16	1	✔
Rte_Call_Sa_MtrDrvDiag_FetFlt2Clk_OP_SET	1	Rte_Call_Sa_MtrDrvDiag_FetFlt2Clk_OP_SET	1	✔
GateDrvWaitTime	1	GateDrvWaitTime	1	✔
Rte_Call_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	Count	✔
Rte_Call_Sa_MtrDrvDiag_FetFlt2Clk_OP_SET	1	Rte_Call_Sa_MtrDrvDiag_FetFlt2Clk_OP_SET	1	✔
GateDrvWaitTime	1	GateDrvWaitTime	1	✔

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

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\Sa_MtrDrvDiag -I$(PROJECTROOT)\MtrDrvDiag\utp\contract -I$(Compiler Install Path)\include

Comments/Description/Specification	
Name	**Text**
Module 'MtrDrvDiag'	**UNIT TEST DESCRIPTION** 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): 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 ""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

Attributes

Name	Value
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: Path Test ✔

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

Test Case 1: Path Test