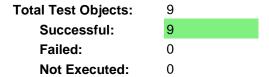
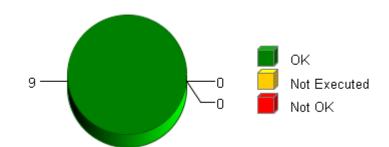


Summary

Overall Test Object Results (including Coverage)



Date: 2015-01-29 **Time:** 19:17:42+0530



Selected Project Items

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

Used Test Environments

TI TMS 570 PLS UDE (Default)

Batch Operation Settings

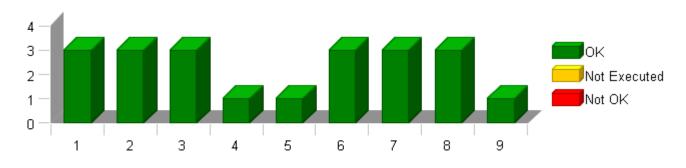
Check Interface: No
Generate Driver: Yes
Execute Test: Yes
Create New Test Run: No

Instrumentation: Test Object Only

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

Decision Coverage, Multiple Condition Coverage

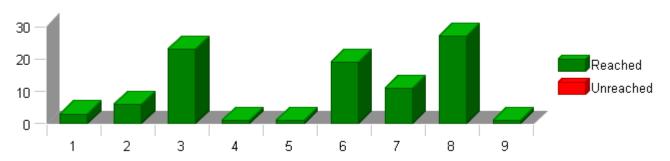
Test Case Results for Each Test Object (without Coverage)





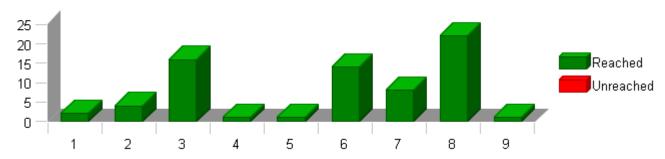
The table above shows each test object on the x axis and the number of test cases of the respective test object on the y axis. Each bar is divided into passed, not executed and failed test cases. The test case results do not take into account any coverage result (i.e. if all test cases of a test object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

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



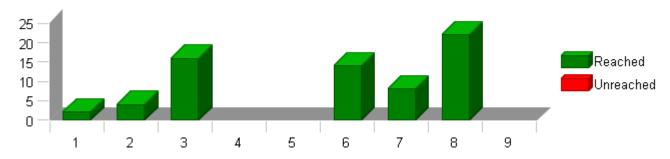
The table above shows each test object on the x axis and the number of statements of the respective test object on the y axis. Each bar is divided into reached statements (i.e. statements that have been executed during the test) and unreached statements.

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



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

Decision Coverage: Total Decision Outcomes for Each Test Object

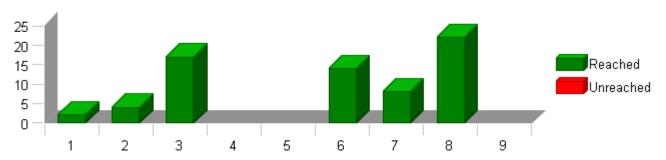


The table above shows test objects on the x axis and the number of possible outcomes of all decisions of the respective test object on the y axis. To achieve full DC coverage, each decision must evaluate to both true and false.

Each bar is divided into reached and unreached decision outcomes.



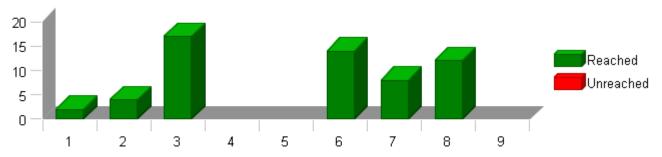
MC/DC Coverage: Total Condition Combinations for Each Test Object



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

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

MCC Coverage: Total Condition Combinations for Each Test Object



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

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



Test Object List

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

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

No.	Name	C0	C1	DC	MC/DC	MCC	Test Cases Result
	MtrDrvDiag	100 %	100 %	100 %	100 %	100 %	21 of 21 passed
	CBD_UnitTest	100 %	100 %	100 %	100 %	100 %	21 of 21 passed
	MtrDrvDiag	100 %	100 %	100 %	100 %	100 %	21 of 21 passed
1	<u>GateDrvWaitTime</u>	100 %	100 %	100 %	100 %	100 %	3 of 3 passed
2	<u>MotorDriverInit</u>	100 %	100 %	100 %	100 %	100 %	3 of 3 passed
3	MtrDrvDiag Per1	100 %	100 %	100 %	100 %	100 %	3 of 3 passed
4	MtrDrvDiag Per2	100 %	100 %	-	-	-	1 of 1 passed
5	MtrDrvDiag Trns1	100 %	100 %	-	-	-	1 of 1 passed
6	<u>ProcBridgeFlt</u>	100 %	100 %	100 %	100 %	100 %	3 of 3 passed
7	<u>ProcGateDriveFlt</u>	100 %	100 %	100 %	100 %	100 %	3 of 3 passed
8	ReadMtrDrvFltData	100 %	100 %	100 %	100 %	100 %	3 of 3 passed
9	<u>ResetGateDrive</u>	100 %	100 %	-	-	-	1 of 1 passed

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 Project
 MtrDrvDiag

 Module
 MtrDrvDiag

 Test Object
 ResetGateDrive

Instrumentation: Test Object Only

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

Statistics

Total Testcases	1	
Successful	1	~
Failed	0	
Not Executed	0	

Module Properties

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

Name	Text
Module 'MtrDrvDiag'	Name of Tester: Spoorti Mali Code File(s) Under Test: Sa_MtrDrvDiag.c Code File(s) Version: 22 Module Design Document:Motor_Driver_Diagnostics_MDD.doc Module Design Document Version: 11 Data Dictionary Version: 11 Unit Test Plan Version: 3 Optimization Level:Level 2 Compiler (CodeGen) Version: TMS470_4.9.5 Model Type: Excel Macro Model Version:Nexteer EPS Unit Test Tool 2.7d/ EPS Library 1.31 Total FLASH Used (Bytes): 1334 Total RAM Used (Bytes): 137 Total CALS Used (Bytes): 50 Special Test Requirements: Test Date:01-29-2015 Comments: Note 1:Inline function defined in ""Gloabalmacro.h"" is not unit Tested.
	Note 2:In ""GateDrvWaitTime" function extra code is added in VBA, to exit the while loop and to replicate the usercode functionality of TESSY.
	Note 3:In ""ReadMtrDrvFitData""function, ""DataHigh_Cnt_T_lgc"" temporary variable and ""Rte_Call_SystemTime_DtrmnElapsedTime_uS_u16"" stub are used as ""DataHigh_Cnt_T_lgc_Array[10]"" and ""Rte_Call_FetFit1Data_OP_GET_Array[11]"" to replicate the usercode functionality of TESSY.
	Note 4:In functions ""ProcGateDriveFit"", ""ProcBridgeFit"", ""MtrDrvDiag_Per1"",""ReadMtrDrvFltData"" functions, ""Rte_Call_SystemTime_DtrmnElapsedTime_uS_u16""is not tested with its Min value, to avoid the infinite loop.
	Note 5:""CBD_Sandbox_dbg.map"" file is embedded for reference."

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

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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.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

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

TC1.1 1817.00 Cycles

Description Vector Description

TS1.1 Check for Call Trace

Test Step 1.1 (Repeat Count = 1)	✓
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

Τ				✓
Actual Function	Count	Expected Function	Count	Result
SuspendAllInterrupts	1	SuspendAllInterrupts	1	~
Rte_Call_Sa_MtrDrvDiag_FetDrvReset_OP_SET	1	Rte_Call_Sa_MtrDrvDiag_FetDrvReset_OP_SET	1	~
GateDrvWaitTime	1	GateDrvWaitTime	1	~
Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32	1	Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32	1	~
Rte_Call_Sa_MtrDrvDiag_SystemTime_DtrmnElapsedTime_uS_u16	2	Rte_Call_Sa_MtrDrvDiag_SystemTime_DtrmnElapsedTime_uS_u16	2	~
Rte_Call_Sa_MtrDrvDiag_FetDrvReset_OP_SET	1	Rte_Call_Sa_MtrDrvDiag_FetDrvReset_OP_SET	1	~
ResumeAllInterrupts	1	ResumeAllInterrupts	1	~

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MtrDrvDiag_Per1

Project	MtrDrvDiag
Module	MtrDrvDiag
Test Object	MtrDrvDiag_Per1

Instrumentation: Test Object Only

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

Statistics

Total Testcases	3
Successful	3
Failed	0
Not Executed	0

Module Properties

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

Comments/Description/Spe	cification
Name	Text



Module 'MtrDrvDiag'

Name of Tester: Spoorti Mali

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

Module Design Document:Motor_Driver_Diagnostics_MDD.doc
Module Design Document Version: 11
Data Dictionary Version: 11
Unit Test Plan Version: 3
Optimization Level:Level 2
Compiler (CodeGen) Version: TMS470_4.9.5
Model Type: Excel Macro
Model Version:Nexteer EPS Unit Test Tool 2.7d/ EPS Library 1.31
Total FLASH Used (Bytes): 1334
Total RAM Used (Bytes): 17
Total CALS Used (Bytes): 50
Special Test Requirements:
Test Date:01-29-2015
Comments: Comments:

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

is not unit Tested.

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

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

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

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

Attributes	
Name	Value
Compiler Install Path	\$(ProgramFiles)\Texas Instruments\ccsv4\tools\compiler\tms470_4.9.5
Float Precision	9
InitObjDir	\$(PROJECTROOT)\UnitTestEnv\static_build_files\obj
InitSrcDir	\$(PROJECTROOT)\UnitTestEnv\static_build_files\src
Linker File	\$(PROJECTROOT)\UnitTestEnv\static_build_files\sys_link.cmd
Makefile Template	\$(PROJECTROOT)\UnitTestEnv\config\Nexteer_ts_make_ude_ti_tms570.tpl
Target Install Path	\$(ProgramFiles)\pls
Time Unit	Cycles
Timer Enabled	false
Timer Prescale	0
Timer Resolution	1
UDE Config File	\$(PROJECTROOT)\UnitTestEnv\config\TMS570_UDE_12PIN_JTAG.cfg
Workspace File	D:\Synergy_Work_Area\CBD_MtrDrvDiag\UnitTestEnv\config\UDE_TMS570_DEBUG.WSP



Test Case 1: Metrics Test

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

TC1.1 1127 Cycles TC1.2 11366 Cycles

Description Vector Description

TS1.1"Shortest Execution Path:

TS1.1"Shortest Execution Path:

(TRUE == MtrDrvInitComp_Cnt_T_lgc)=False &&

(TRUE == MtrDrvInitStart_Cnt_T_lgc)=False "

TS1.2"Longest Execution Path:

(TRUE == MtrDrvInitComp_Cnt_T_lgc)=True &&

(TRUE == MtrDrvInitComp_Cnt_T_lgc)=True &&

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

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

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

Name	Input Value		
Rte Call Sa MtrDrvDiag FetFlt2Clk OP GET(signal)	target Rte Call Sa MtrDrvDiag FetFlt20	Clk OP GET signal	
Rte Call Sa MtrDrvDiag NxtrDiagMgr GetNTCFailed(NTCFailed Ptr T Igc)		gMgr_GetNTCFailed_NTCFailed_Ptr_T_lgc	
Rte Call Sa MtrDrvDiag SystemTime DtrmnElapsedTime mS u16(ElapsedTime)		Time DtrmnElapsedTime mS u16 ElapsedT	(ime
Rte Call Sa MtrDrvDiag SystemTime DtrmnElapsedTime uS u16(ElapsedTime)		Time DtrmnElapsedTime_IIIO_u10_ElapsedT	
Rte Call Sa MtrDrvDiag SystemTime GetSystemTime mS u32(CurrentTime)		Time GetSystemTime mS u32 CurrentTime	
Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32(CurrentTime)	0	Time_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 Igc	1		
SVDiag MtrDrvInitComp Cnt M Igc	0		
SVDiag_MtrDrvInitStartTime mS M u32p0	3125		
SVDiag_MtiDiviniGtartrine_ms_w_aszpo	1111		
SVDiag ResetWaitLoop Cnt M Igc	0		
GateDriveDiag Cnt str.Threshold	1000		
<_GateDriveDiag_Cnt_str.PStep	5000		
CateDriveDiag_Crit_st.P.Step	11110		
<_OnStateDiag_Cnt_str.Threshold	1111		
ConstateDiag_Crit_str.Fileshold ConStateDiag_Crit_str.PStep	11000		
ConstateDiag_Crit_str.NStep	1000		
arget MtrDrvDiag Per1 MtrDrvrInitStart Cnt Igc.value	0		
arget_wttbtvblag_retr_wttbtvtimitstatt_ctit_gc.value	1		
arget_Ne_call_ca_witrbrvblag_retritzon_cr_cs_1_signal arget_Rec_call_call_call_call_call_call_call_ca			
target Rte Call Sa MtrDrvDiag SystemTime DtrmnElapsedTime mS u16 Elapse			
arget Rte Call Sa MtrDrvDiag SystemTime DtrmnElapsedTime uS u16 Elapse			
arget Rte Call Sa MtrDrvDiag SystemTime GetSystemTime mS u32 CurrentTi			
arget_Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32_CurrentTir			
target Rte Inst Sa MtrDrvDiag_MtrDrvDiag Per1 FETFaultPhase Cnt enum	target MtrDrvDiag Per1 FETFaultPhase	Cot enum	
arget Rte Inst Sa MtrDrvDiag.MtrDrvDiag Per1 FETFaultType Cnt enum	target MtrDrvDiag Per1 FETFaultType		
arget Rte Inst Sa MtrDrvDiag.MtrDrvDiag Per1 GateDriveResetActive Cnt Igc	target MtrDrvDiag Per1 GateDriveRese	_	
arget_Rte_Inst_Sa_MtrDrvDiag.MtrDrvDiag_Per1_MtrDrvrInitComplete_Cnt_Igc	target_MtrDrvDiag_Per1_MtrDrvrInitCom		
arget_Ne_inst_oa_windrvblag.MtrDrvDlag_Fer1_windrviniiconipiete_ont_getarget Rte Inst Sa MtrDrvDlag.MtrDrvDlag Per1 MtrDrvrInitStart Cnt Igc	target MtrDrvDiag Per1 MtrDrvrInitStart		
Name	Actual Value	Expected Value	Resu
SVDiag FETFaultPhase Cnt M enum	0	0	Resu
	0	0	
SVDiag_FETFaultType_Cnt_M_enum SVDiag GateDriveFltAcc Cnt M u16	10000	10000 ± 1	
	10	10000 ± 1	
SVDiag_GenGateDriveFltAcc_Cnt_M_u16	1	1	
SVDiag_MtrDrvInitActive_Cnt_M_lgc	0	0	
SVDiag_MtrDrvInitComp_Cnt_M_lgc	-	•	
SVDiag_MtrDrvInitStartTime_mS_M_u32p0	3125 1111	3125 ± 1 1111 ± 1	
SVDiag_OnStateFltAcc_Cnt_M_u16			
SVDiag_ResetWaitLoop_Cnt_M_lgc	0	0	
arget_MtrDrvDiag_Per1_FETFaultPhase_Cnt_enum.value	-	0	
arget_MtrDrvDiag_Per1_FETFaultType_Cnt_enum.value	0	0	
arget MtrDrvDiag Per1 GateDriveResetActive Cnt Igc.value			

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 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_NxtrDiagMg	r GetNTCFailed NTCFailed Ptr T lgc	
Rte_Call_Sa_MtrDrvDiag_SystemTime_DtrmnElapsedTime_mS_u16(ElapsedTime)		e DtrmnElapsedTime mS u16 ElapsedTime	
Rte Call Sa MtrDrvDiag SystemTime DtrmnElapsedTime uS u16(ElapsedTime)	target Rte Call Sa MtrDrvDiag SystemTime	e DtrmnElapsedTime uS u16 ElapsedTime	
Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_mS_u32(CurrentTime)	target_Rte_Call_Sa_MtrDrvDiag_SystemTime		
Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32(CurrentTime)	target_Rte_Call_Sa_MtrDrvDiag_SystemTime		
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 Igc	0		
SVDiag MtrDrvInitComp Cnt M Igc	1		
SVDiag MtrDrvInitStartTime mS M u32p0	83462		
SVDiag_OnStateFltAcc_Cnt_M_u16	7777		
SVDiag_ResetWaitLoop_Cnt_M_lgc	0		
k_GateDriveDiag_Cnt_str.Threshold	15000		
k_GateDriveDiag_Cnt_str.PStep	35000		
k_GateDriveDiag_Cnt_str.NStep	20000		
k OnStateDiag Cnt str.Threshold	7777		
k OnStateDiag Cnt str.PStep	17000		
k OnStateDiag Cnt str.NStep	7000		
target_MtrDrvDiag_Per1_MtrDrvrInitStart_Cnt_lgc.value	1		
target_Rte_Call_Sa_MtrDrvDiag_FetFlt2Clk_OP_GET_signal	1		
target_Rte_Call_Sa_MtrDrvDiag_NxtrDiagMgr_GetNTCFailed_NTCFailed_Ptr_T_lgr	1		
target Rte Call Sa MtrDrvDiag SystemTime DtrmnElapsedTime mS u16 Elapse			
target_Rte_Call_Sa_MtrDrvDiag_SystemTime_DtrmnElapsedTime_uS_u16_Elapse	17100		
target Rte Call Sa MtrDrvDiag SystemTime GetSystemTime mS u32 CurrentTi			
target_Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32_CurrentTir			
target Rte Inst Sa MtrDrvDiag.MtrDrvDiag Per1 FETFaultPhase Cnt enum	target MtrDrvDiag Per1 FETFaultPhase Cr	nt enum	
target_Rte_Inst_Sa_MtrDrvDiag.MtrDrvDiag_Per1_FETFaultType_Cnt_enum	target_MtrDrvDiag_Per1_FETFaultType_Cnt	_	
target_Rte_Inst_Sa_MtrDrvDiag.MtrDrvDiag_Per1_GateDriveResetActive_Cnt_lgc	target_MtrDrvDiag_Per1_GateDriveResetAct		
target_Rte_Inst_Sa_MtrDrvDiag.MtrDrvDiag_Per1_MtrDrvrInitComplete_Cnt_Igc	target_MtrDrvDiag_Per1_MtrDrvrInitComplete		
target_Rte_Inst_Sa_MtrDrvDiag.MtrDrvDiag_Per1_MtrDrvrInitStart_Cnt_Igc	target_MtrDrvDiag_Per1_MtrDrvrInitStart_Cn		
Name	Actual Value	Expected Value	Result
SVDiag_FETFaultPhase_Cnt_M_enum	3	3	-
SVDiag_FETFaultType_Cnt_M_enum	2	2	~
SVDiag_GateDriveFltAcc_Cnt_M_u16	15000	15000 ± 1	-
SVDiag GenGateDriveFltAcc Cnt M u16	70	70 ± 1	~
SVDiag MtrDrvInitActive Cnt M Igc	0	0	-
SVDiag MtrDrvInitComp Cnt M Igc	1	1	•
SVDiag MtrDrvInitStartTime mS M u32p0	83462	83462 ± 1	~
SVDiag_OnStateFltAcc_Cnt_M_u16	7777	7777 ± 1	~
SVDiag_ResetWaitLoop_Cnt_M_lgc	0	0	-
target_MtrDrvDiag_Per1_FETFaultPhase_Cnt_enum.value	3	3	~
target_MtrDrvDiag_Per1_FETFaultType_Cnt_enum.value	2	2	-
target_MtrDrvDiag_Per1_GateDriveResetActive_Cnt_lgc.value	1	1	~
target_MtrDrvDiag_Per1_MtrDrvrInitComplete_Cnt_lgc.value	1	1	~
NTC	0x4C	0x4C	~
Param	0x01	0x01	~
Status	0x01	0x01	~

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

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Actual Function	Count	Expected Function	Count	Result
Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32	1	Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32	1	~
Rte_Call_Sa_MtrDrvDiag_SystemTime_DtrmnElapsedTime_uS_u16	1	Rte_Call_Sa_MtrDrvDiag_SystemTime_DtrmnElapsedTime_uS_u16	1	~
Rte_Call_Sa_MtrDrvDiag_FetFlt1Data_OP_GET	1	Rte_Call_Sa_MtrDrvDiag_FetFlt1Data_OP_GET	1	~
Rte_Call_Sa_MtrDrvDiag_FetFlt2Clk_OP_SET	1	Rte_Call_Sa_MtrDrvDiag_FetFlt2Clk_OP_SET	1	~
GateDrvWaitTime	1	GateDrvWaitTime	1	•
Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32	1	Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32	1	~
Rte_Call_Sa_MtrDrvDiag_SystemTime_DtrmnElapsedTime_uS_u16	1	Rte_Call_Sa_MtrDrvDiag_SystemTime_DtrmnElapsedTime_uS_u16	1	~
Rte_Call_Sa_MtrDrvDiag_FetFlt2Clk_OP_SET	1	Rte_Call_Sa_MtrDrvDiag_FetFlt2Clk_OP_SET	1	•
GateDrvWaitTime	1	GateDrvWaitTime	1	•
Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32	1	Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32	1	•
Rte_Call_Sa_MtrDrvDiag_SystemTime_DtrmnElapsedTime_uS_u16	1	Rte_Call_Sa_MtrDrvDiag_SystemTime_DtrmnElapsedTime_uS_u16	1	•
Rte_Call_Sa_MtrDrvDiag_FetFlt1Data_OP_GET	1	Rte_Call_Sa_MtrDrvDiag_FetFlt1Data_OP_GET	1	~
Rte_Call_Sa_MtrDrvDiag_FetFlt2Clk_OP_SET	1	Rte_Call_Sa_MtrDrvDiag_FetFlt2Clk_OP_SET	1	•
GateDrvWaitTime	1	GateDrvWaitTime	1	~
Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32	1	Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32	1	•
Rte_Call_Sa_MtrDrvDiag_SystemTime_DtrmnElapsedTime_uS_u16	1	Rte_Call_Sa_MtrDrvDiag_SystemTime_DtrmnElapsedTime_uS_u16	1	~
Rte_Call_Sa_MtrDrvDiag_FetFlt2Clk_OP_SET	1	Rte_Call_Sa_MtrDrvDiag_FetFlt2Clk_OP_SET	1	~
GateDrvWaitTime	1	GateDrvWaitTime	1	~
Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32	1	Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32	1	~
Rte_Call_Sa_MtrDrvDiag_SystemTime_DtrmnElapsedTime_uS_u16	1	Rte_Call_Sa_MtrDrvDiag_SystemTime_DtrmnElapsedTime_uS_u16	1	~
Rte_Call_Sa_MtrDrvDiag_FetFlt1Data_OP_GET	1	Rte_Call_Sa_MtrDrvDiag_FetFlt1Data_OP_GET	1	•
Rte_Call_Sa_MtrDrvDiag_FetFlt2Clk_OP_SET	1	Rte_Call_Sa_MtrDrvDiag_FetFlt2Clk_OP_SET	1	~
GateDrvWaitTime	1	GateDrvWaitTime	1	•
Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32	1	Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32	1	~
Rte_Call_Sa_MtrDrvDiag_SystemTime_DtrmnElapsedTime_uS_u16	1	Rte_Call_Sa_MtrDrvDiag_SystemTime_DtrmnElapsedTime_uS_u16	1	~
Rte_Call_Sa_MtrDrvDiag_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
TC2.2 1035 Cycles
TC2.3 1035 Cycles
TC2.4 4281 Cycles
TC2.5 11447 Cycles
TC2.5 11447 Cycles
TC2.6 11351 Cycles
TC2.7 8692 Cycles
TC2.8 8693 Cycles
TC2.9 8646 Cycles
TC2.10 8654 Cycles
TC2.11 18464 Cycles
TC2.11 18301 Cycles
TC2.12 18317 Cycles
TC2.13 18301 Cycles
TC2.14 18298 Cycles
TC2.15 18340 Cycles
TC2.17 18348 Cycles
TC2.17 18348 Cycles
TC2.19 18298 Cycles
TC2.19 18298 Cycles
TC2.19 18298 Cycles
TC2.20 8846 Cycles
TC2.21 81337 Cycles
TC2.22 18387 Cycles
TC2.22 18387 Cycles
TC2.23 11511 Cycles
TC2.23 11511 Cycles
TC2.25 4156 Cycles
```

Description

Vector Description

```
TS2.1MtrDrvrInitStart_Cnt_Igc=Min
TS2.2MtrDrvrInitStart_Cnt_Igc=Max
TS2.3SVDiag_MtrDrvInitComp_Cnt_M_Igc=Min
TS2.4SVDiag_MtrDrvInitComp_Cnt_M_Igc=Max
TS2.5SVDiag_GateDriveFitAcc_Cnt_M_u16=Min
TS2.6SVDiag_GateDriveFitAcc_Cnt_M_u16=Max
TS2.7SVDiag_GateDriveFitAcc_Cnt_M_u16=Pos
TS2.8SVDiag_GenGateDriveFitAcc_Cnt_M_u16=Min
TS2.9SVDiag_GenGateDriveFitAcc_Cnt_M_u16=Min
TS2.9SVDiag_GenGateDriveFitAcc_Cnt_M_u16=Max
TS2.11SVDiag_OnStateFitAcc_Cnt_M_u16=Min
TS2.12SVDiag_OnStateFitAcc_Cnt_M_u16=Min
TS2.12SVDiag_OnStateFitAcc_Cnt_M_u16=Min
TS2.13SVDiag_OnStateFitAcc_Cnt_M_u16=Pos
TS2.13SVDiag_OnStateFitAcc_Cnt_M_u16=Pos
TS2.14k_GateDriveDiag_Cnt_str.NStep=Min
TS2.15k_GateDriveDiag_Cnt_str.NStep=Max
TS2.16k_GateDriveDiag_Cnt_str.NStep=Pos
TS2.17k_OnStateDiag_Cnt_str.NStep=Min
TS2.18k_OnStateDiag_Cnt_str.NStep=Max
TS2.19k_OnStateDiag_Cnt_str.NStep=Max
TS2.19k_OnStateDiag_Cnt_str.NStep=Pos
TS2.20SVDiag_ResetWaitLoop_Cnt_M_Igc=Min
TS2.21SVDiag_ResetWaitLoop_Cnt_M_Igc=Max
TS2.23Rte_Call_FetFit1Data_OP_GET_and Rte_Call_FetFit2Clk_OP_GET=False
TS2.23Rte_Call_FetFit1Data_OP_GET_and Rte_Call_FetFit2Clk_OP_GET=True
TS2.24All Min
```

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
$target_Rte_Call_Sa_MtrDrvDiag_NxtrDiagMgr_GetNTCFailed_NTCFailed_Ptr_T_lgrams and target_Rte_Call_Sa_MtrDrvDiag_NxtrDiagMgr_GetNTCFailed_NTCFailed_Ptr_T_lgrams and target_Rte_Call_Sa_MtrDrvDiag_NxtrDiagMgr_GetNTCFailed_NTCFailed_Ptr_T_lgrams and target_Rte_Rte_Rte_Rte_Rte_Rte_Rte_Rte_Rte_R$	0
$target_Rte_Call_Sa_MtrDrvDiag_SystemTime_DtrmnElapsedTime_mS_u16_ElapsetLime_msunfaces and the start of the$	1000
$target_Rte_Call_Sa_MtrDrvDiag_SystemTime_DtrmnElapsedTime_uS_u16_Elapse$	11100
target Rte Call Sa MtrDrvDiag SystemTime GetSystemTime mS u32 CurrentTi	5000

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Name	Input Value		
target_Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32_CurrentTire	100000		
target_Rte_Inst_Sa_MtrDrvDiag.MtrDrvDiag_Per1_FETFaultPhase_Cnt_enum	target_MtrDrvDiag_Per1_FETFaultPhase_Cr	nt_enum	
target_Rte_Inst_Sa_MtrDrvDiag.MtrDrvDiag_Per1_FETFaultType_Cnt_enum	target_MtrDrvDiag_Per1_FETFaultType_Cnt	_enum	
$target_Rte_Inst_Sa_MtrDrvDiag.MtrDrvDiag_Per1_GateDriveResetActive_Cnt_lgc$	target_MtrDrvDiag_Per1_GateDriveResetAct	tive_Cnt_lgc	
$target_Rte_Inst_Sa_MtrDrvDiag.MtrDrvDiag_Per1_MtrDrvrInitComplete_Cnt_lgc$	target_MtrDrvDiag_Per1_MtrDrvrInitComplet	e_Cnt_lgc	
target_Rte_Inst_Sa_MtrDrvDiag.MtrDrvDiag_Per1_MtrDrvrInitStart_Cnt_Igc	target_MtrDrvDiag_Per1_MtrDrvrInitStart_Cr	nt_lgc	
Name	Actual Value	Expected Value	Result
SVDiag_FETFaultPhase_Cnt_M_enum	0	0	~
SVDiag_FETFaultType_Cnt_M_enum	0	0	~
SVDiag_GateDriveFltAcc_Cnt_M_u16	10000	10000 ± 1	~
SVDiag_GenGateDriveFltAcc_Cnt_M_u16	10	10 ± 1	~
SVDiag_MtrDrvInitActive_Cnt_M_lgc	1	1	~
SVDiag_MtrDrvInitComp_Cnt_M_lgc	0	0	~
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	~

Fest Step 2.2 (Repeat Count = 1)	Input Value		
	•	OR CET signal	
	target_Rte_Call_Sa_MtrDrvDiag_FetFlt2Clk_		
Rte_Call_Sa_MtrDrvDiag_NxtrDiagMgr_GetNTCFailed(NTCFailed_Ptr_T_lgc)	target_Rte_Call_Sa_MtrDrvDiag_NxtrDiagM		
		ne_DtrmnElapsedTime_mS_u16_ElapsedTime	
	· · · · ·	ne_DtrmnElapsedTime_uS_u16_ElapsedTime	
Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_mS_u32(CurrentTime)	target_Rte_Call_Sa_MtrDrvDiag_SystemTim		
Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32(CurrentTime)	target_Rte_Call_Sa_MtrDrvDiag_SystemTim	ne_GetSystemTime_uS_u32_CurrentTime	
	target_Rte_Inst_Sa_MtrDrvDiag		
<u> </u>	1		
132	1		
<u> </u>	20000		
<u> </u>	20		
SVDiag_MtrDrvInitActive_Cnt_M_lgc	1		
132 1 12 2 2 2 3	0		
13 <u>-</u> 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	747		
SVDiag_OnStateFltAcc_Cnt_M_u16	2222		
SVDiag_ResetWaitLoop_Cnt_M_lgc	1		
	2000		
C_GateDriveDiag_Cnt_str.PStep	10000		
C_GateDriveDiag_Cnt_str.NStep	22220		
c_OnStateDiag_Cnt_str.Threshold	2222		
c_OnStateDiag_Cnt_str.PStep	12000		
COnStateDiag_Cnt_str.NStep	2000		
arget_MtrDrvDiag_Per1_MtrDrvrInitStart_Cnt_lgc.value	1		
3-2	1		
arget_Rte_Call_Sa_MtrDrvDiag_NxtrDiagMgr_GetNTCFailed_NTCFailed_Ptr_T_lg	1		
arget_Rte_Call_Sa_MtrDrvDiag_SystemTime_DtrmnElapsedTime_mS_u16_Elapse	2000		
arget_Rte_Call_Sa_MtrDrvDiag_SystemTime_DtrmnElapsedTime_uS_u16_Elapse	12100		
arget_Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_mS_u32_CurrentTi	8000		
arget_Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32_CurrentTir	200000		
arget_Rte_Inst_Sa_MtrDrvDiag.MtrDrvDiag_Per1_FETFaultPhase_Cnt_enum	$target_MtrDrvDiag_Per1_FETFaultPhase_C$	nt_enum	
arget_Rte_Inst_Sa_MtrDrvDiag.MtrDrvDiag_Per1_FETFaultType_Cnt_enum	target_MtrDrvDiag_Per1_FETFaultType_Cn	t_enum	
arget_Rte_Inst_Sa_MtrDrvDiag.MtrDrvDiag_Per1_GateDriveResetActive_Cnt_Igc	target_MtrDrvDiag_Per1_GateDriveResetAc	tive_Cnt_lgc	
arget_Rte_Inst_Sa_MtrDrvDiag.MtrDrvDiag_Per1_MtrDrvrInitComplete_Cnt_Igc	$target_MtrDrvDiag_Per1_MtrDrvrInitCompleted \\$	te_Cnt_lgc	
arget_Rte_Inst_Sa_MtrDrvDiag.MtrDrvDiag_Per1_MtrDrvrInitStart_Cnt_Igc	$target_MtrDrvDiag_Per1_MtrDrvrInitStart_Cr$	nt_lgc	
Name	Actual Value	Expected Value	Resu
SVDiag_FETFaultPhase_Cnt_M_enum	1	1	
SVDiag_FETFaultType_Cnt_M_enum	1	1	
	20000	20000 ± 1	
SVDiag GenGateDriveFltAcc Cnt M u16	20	20 ± 1	
SVDiag MtrDrvInitActive Cnt M Igc	0	0	
SVDiag MtrDrvInitComp Cnt M Igc	1	1	
SVDiag MtrDrvInitStartTime mS M u32p0	747	747 ± 1	

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

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	OR CET signal	
Rte_Call_Sa_MtrDrvDiag_FetFit2Cik_OF_GET(signal) Rte_Call_Sa_MtrDrvDiag_NxtrDiagMgr_GetNTCFailed(NTCFailed_Ptr_T_lgc)	target Rte Call Sa MtrDrvDiag NxtrDiagM		
Rte Call Sa MtrDrvDiag SystemTime DtrmnElapsedTime mS u16(ElapsedTime)		ne DtrmnElapsedTime mS u16 ElapsedTime	
Rte Call Sa MtrDrvDiag SystemTime DtrmnElapsedTime uS u16(ElapsedTime)	0 0_ /	ne DtrmnElapsedTime uS u16 ElapsedTime	
Rte Call Sa MtrDrvDiag SystemTime GetSystemTime mS u32(CurrentTime)	target Rte Call Sa MtrDrvDiag SystemTin		
Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_InS_us2(CurrentTime)	target Rte Call Sa MtrDrvDiag SystemTin		
Rte Inst Sa MtrDrvDiag	target Rte Inst Sa MtrDrvDiag	ne_GetGystemTime_u3_u32_GurrentTime	
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 Igc	1		
SVDiag_MtrDrvInitComp_Cnt_M_gc	0		
SVDiag MtrDrvInitStartTime mS M u32p0	344		
SVDiag_MtBPWhilotartmic_mo_w_aszpo	5555		
SVDiag ResetWaitLoop Cnt M Igc	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		
C OnStateDiag Cnt str.PStep	15000		
C OnStateDiag Cnt str.NStep	5000		
target MtrDrvDiag Per1 MtrDrvrInitStart Cnt Igc.value	0		
target Rte Call Sa MtrDrvDiag FetFlt2Clk OP GET signal	1		
arget Rte Call Sa MtrDrvDiag NxtrDiagMgr GetNTCFailed NTCFailed Ptr T Ig	1		
arget Rte Call Sa MtrDrvDiag SystemTime DtrmnElapsedTime mS u16 Elapse	11000		
arget Rte Call Sa MtrDrvDiag SystemTime DtrmnElapsedTime uS u16 Elapse	15100		
arget Rte Call Sa MtrDrvDiag SystemTime GetSystemTime mS u32 CurrentTi	17000		
arget Rte Call Sa MtrDrvDiag SystemTime GetSystemTime uS u32 CurrentTir	500000		
arget_Rte_Inst_Sa_MtrDrvDiag.MtrDrvDiag_Per1_FETFaultPhase_Cnt_enum	target MtrDrvDiag Per1 FETFaultPhase C	nt enum	
arget Rte Inst Sa MtrDrvDiag.MtrDrvDiag Per1 FETFaultType Cnt enum	target MtrDrvDiag Per1 FETFaultType Cn	t enum	
arget_Rte_Inst_Sa_MtrDrvDiag.MtrDrvDiag_Per1_GateDriveResetActive_Cnt_Igc	target_MtrDrvDiag_Per1_GateDriveResetAc	ctive_Cnt_lgc	
arget_Rte_Inst_Sa_MtrDrvDiag.MtrDrvDiag_Per1_MtrDrvrInitComplete_Cnt_Igc	target_MtrDrvDiag_Per1_MtrDrvrInitComplet	te_Cnt_lgc	
target_Rte_Inst_Sa_MtrDrvDiag.MtrDrvDiag_Per1_MtrDrvrInitStart_Cnt_lgc	target_MtrDrvDiag_Per1_MtrDrvrInitStart_Ci	nt_lgc	
Name	Actual Value	Expected Value	Resu
SVDiag_FETFaultPhase_Cnt_M_enum	1	1	
SVDiag_FETFaultType_Cnt_M_enum	1	1	
SVDiag_GateDriveFltAcc_Cnt_M_u16	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	
arget MtrDrvDiag Per1 FETFaultType Cnt enum.value	1	1	

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

Τ				
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_NxtrDiagMg		
Rte Call Sa MtrDrvDiag SystemTime DtrmnElapsedTime mS u16(ElapsedTime)		e_DtrmnElapsedTime_mS_u16_ElapsedTime	
Rte_Call_Sa_MtrDrvDiag_SystemTime_DtrmnElapsedTime_uS_u16(ElapsedTime)	target_Rte_Call_Sa_MtrDrvDiag_SystemTim	e_DtrmnElapsedTime_uS_u16_ElapsedTime	
Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_mS_u32(CurrentTime)	target_Rte_Call_Sa_MtrDrvDiag_SystemTim		
Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32(CurrentTime)	target_Rte_Call_Sa_MtrDrvDiag_SystemTim	e_GetSystemTime_uS_u32_CurrentTime	
Rte_Inst_Sa_MtrDrvDiag	target_Rte_Inst_Sa_MtrDrvDiag		
SVDiag_FETFaultPhase_Cnt_M_enum	2		
SVDiag_FETFaultType_Cnt_M_enum	0		
SVDiag_GateDriveFltAcc_Cnt_M_u16	60000		
SVDiag_GenGateDriveFltAcc_Cnt_M_u16	60		
SVDiag_MtrDrvInitActive_Cnt_M_lgc	1		
SVDiag_MtrDrvInitComp_Cnt_M_lgc	1		
SVDiag_MtrDrvInitStartTime_mS_M_u32p0	6653		
SVDiag_OnStateFltAcc_Cnt_M_u16	6666		
SVDiag_ResetWaitLoop_Cnt_M_lgc	1		
k_GateDriveDiag_Cnt_str.Threshold	10000		
k_GateDriveDiag_Cnt_str.PStep	30000		
k_GateDriveDiag_Cnt_str.NStep	10000		
k_OnStateDiag_Cnt_str.Threshold	6666		
k_OnStateDiag_Cnt_str.PStep	16000		
k_OnStateDiag_Cnt_str.NStep	6000		
target_MtrDrvDiag_Per1_MtrDrvrInitStart_Cnt_Igc.value	1		
target_Rte_Call_Sa_MtrDrvDiag_FetFlt2Clk_OP_GET_signal	0		
target_Rte_Call_Sa_MtrDrvDiag_NxtrDiagMgr_GetNTCFailed_NTCFailed_Ptr_T_lg	1		
target Rte Call Sa MtrDrvDiag SystemTime DtrmnElapsedTime mS u16 Elapse	14000		
target Rte Call Sa MtrDrvDiag SystemTime DtrmnElapsedTime uS u16 Elapse	16100		
target Rte Call Sa MtrDrvDiag SystemTime GetSystemTime mS u32 CurrentTi	20000		
target Rte Call Sa MtrDrvDiag SystemTime GetSystemTime uS u32 CurrentTir	600000		
target Rte Inst Sa MtrDrvDiag.MtrDrvDiag Per1 FETFaultPhase Cnt enum	target MtrDrvDiag Per1 FETFaultPhase Cr	nt enum	
target Rte Inst Sa MtrDrvDiag.MtrDrvDiag Per1 FETFaultType Cnt enum	target MtrDrvDiag Per1 FETFaultType Cnt	_	
target_Rte_Inst_Sa_MtrDrvDiag.MtrDrvDiag_Per1_GateDriveResetActive_Cnt_lgc	target_MtrDrvDiag_Per1_GateDriveResetAct	_	
target Rte Inst Sa MtrDrvDiag.MtrDrvDiag Per1 MtrDrvrInitComplete Cnt Igc	target MtrDrvDiag Per1 MtrDrvrInitComplet		
target_Rte_Inst_Sa_MtrDrvDiag.MtrDrvDiag_Per1_MtrDrvrInitStart_Cnt_lgc	target_MtrDrvDiag_Per1_MtrDrvrInitStart_Cn		
Name	Actual Value	Expected Value	Resul
SVDiag FETFaultPhase Cnt M enum	2	2	Resul
SVDiag_FETFaultFriase_Citt_M_enum SVDiag_FETFaultType_Cnt_M_enum	0	0	
SVDiag GateDriveFltAcc Cnt M u16	60000	60000 ± 1	
SVDiag GenGateDriveFitAcc Cnt M u16	60	60 ± 1	
SVDiag_GenGateDriveriDacc_Cnt_M_u16 SVDiag_MtrDrvInitActive_Cnt_M_lgc	1	1	
SVDiag_MtrDrvInitActive_Cnt_M_gc SVDiag_MtrDrvInitComp_Cnt_M_lgc	1	1	
SVDiag_MtrDrvInitComp_Crit_m_igc SVDiag_MtrDrvInitStartTime_mS_M_u32p0	6653	6653 ± 1	
	6666	6666 ± 1	
SVDiag_OnStateFitAcc_Cnt_M_u16 SVDiag_ResetWaitLoop_Cat_M_lac	0	0	
SVDiag_ResetWaitLoop_Cnt_M_lgc	2	2	
target_MtrDrvDiag_Per1_FETFaultPhase_Cnt_enum.value	0		
target_MtrDrvDiag_Per1_FETFaultType_Cnt_enum.value		0	
target_MtrDrvDiag_Per1_GateDriveResetActive_Cnt_lgc.value	0	0	
arget MtrDrvDiag Per1 MtrDrvrInitComplete Cnt lgc.value	1	1	1



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)	Input Value		
Rte Call Sa MtrDrvDiag FetFlt2Clk OP GET(signal)	target_Rte_Call_Sa_MtrDrvDiag_FetFlt	20lk OP GET signal	
Rte_Call_Sa_MtrDrvDiag_NxtrDiagMgr_GetNTCFailed(NTCFailed_Ptr_T_lgc)	target_Rte_Call_Sa_MtrDrvDiag_NxtrDi		T lac
Rte_Call_Sa_MtrDrvDiag_SystemTime_DtrmnElapsedTime_mS_u16(ElapsedTime			
Rte_Call_Sa_MtrDrvDiag_SystemTime_Dtrimic_lapsedTime_inS_u16(ElapsedTime)			•
Rte_Call_Sa_MtrDrvDiag_SystemTime_DtrifficElapsedTime_u3_u16(ClapsedTime)	target Rte Call Sa MtrDrvDiag System		
	target_Rte_Call_Sa_MtrDrvDiag_System		
Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32(CurrentTime)		irriine_GetSystemriine_uS_uS2_Cunt	entrine
Rte_Inst_Sa_MtrDrvDiag	target_Rte_Inst_Sa_MtrDrvDiag 3		
SVDiag_FETFaultPhase_Cnt_M_enum			
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		
c_GateDriveDiag_Cnt_str.Threshold	15000		
C_GateDriveDiag_Cnt_str.PStep	35000		
C_GateDriveDiag_Cnt_str.NStep	20000		
COnStateDiag_Cnt_str.Threshold	7777		
COnStateDiag_Cnt_str.PStep	17000		
COnStateDiag_Cnt_str.NStep	7000		
arget_MtrDrvDiag_Per1_MtrDrvrInitStart_Cnt_lgc.value	1		
arget_Rte_Call_Sa_MtrDrvDiag_FetFlt2Clk_OP_GET_signal	1		
arget_Rte_Call_Sa_MtrDrvDiag_NxtrDiagMgr_GetNTCFailed_NTCFailed_Ptr_T_lc	gi 1		
arget_Rte_Call_Sa_MtrDrvDiag_SystemTime_DtrmnElapsedTime_mS_u16_Elaps	17000		
arget_Rte_Call_Sa_MtrDrvDiag_SystemTime_DtrmnElapsedTime_uS_u16_Elapse	17100		
arget_Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_mS_u32_CurrentT	ï 23000		
arget_Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32_CurrentTi	r 700000		
arget_Rte_Inst_Sa_MtrDrvDiag.MtrDrvDiag_Per1_FETFaultPhase_Cnt_enum	target_MtrDrvDiag_Per1_FETFaultPhas	se_Cnt_enum	
arget_Rte_Inst_Sa_MtrDrvDiag.MtrDrvDiag_Per1_FETFaultType_Cnt_enum	target_MtrDrvDiag_Per1_FETFaultType	e_Cnt_enum	
$arget_Rte_Inst_Sa_MtrDrvDiag.MtrDrvDiag_Per1_GateDriveResetActive_Cnt_Igc$	target_MtrDrvDiag_Per1_GateDriveRes	etActive_Cnt_lgc	
arget_Rte_Inst_Sa_MtrDrvDiag.MtrDrvDiag_Per1_MtrDrvrInitComplete_Cnt_lgc	target_MtrDrvDiag_Per1_MtrDrvrInitCor	mplete_Cnt_lgc	
arget_Rte_Inst_Sa_MtrDrvDiag.MtrDrvDiag_Per1_MtrDrvrInitStart_Cnt_Igc	target_MtrDrvDiag_Per1_MtrDrvrInitSta	rt_Cnt_lgc	
Name	Actual Value	Expected Value	Res
SVDiag_FETFaultPhase_Cnt_M_enum	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	
arget_MtrDrvDiag_Per1_FETFaultPhase_Cnt_enum.value	3	3	
arget_MtrDrvDiag_Per1_FETFaultType_Cnt_enum.value	2	2	
arget_MtrDrvDiag_Per1_GateDriveResetActive_Cnt_lgc.value	1	1	
arget_MtrDrvDiag_Per1_MtrDrvrInitComplete_Cnt_lgc.value	1	1	
VTC	0x4C	0x4C	
*IO	UNTO	0.40	
Param	0x01	0x01	

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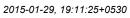


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Actual Function	Count	Expected Function	Count	Result
Rte_Call_MtrDrvDiag_Per1_CP0_CheckpointReached	1	Rte_Call_MtrDrvDiag_Per1_CP0_CheckpointReached	1	~
Rte_Call_Sa_MtrDrvDiag_FetFlt1Data_OP_GET	1	Rte_Call_Sa_MtrDrvDiag_FetFlt1Data_OP_GET	1	~
Rte_Call_Sa_MtrDrvDiag_FetFlt2Clk_OP_GET	1	Rte_Call_Sa_MtrDrvDiag_FetFlt2Clk_OP_GET	1	~
Rte_Call_Sa_MtrDrvDiag_NxtrDiagMgr_SetNTCStatus	1	Rte_Call_Sa_MtrDrvDiag_NxtrDiagMgr_SetNTCStatus	1	~
ProcGateDriveFlt	1	ProcGateDriveFlt	1	~
Rte_Call_Sa_MtrDrvDiag_NxtrDiagMgr_SetNTCStatus	1	Rte_Call_Sa_MtrDrvDiag_NxtrDiagMgr_SetNTCStatus	1	~
ReadMtrDrvFltData	1	ReadMtrDrvFltData	1	~
Rte_Call_Sa_MtrDrvDiag_IoHwAbPortConfig_SetFetFlt2ToOutput	1	Rte_Call_Sa_MtrDrvDiag_IoHwAbPortConfig_SetFetFlt2ToOutput	1	~
Rte_Call_Sa_MtrDrvDiag_FetFlt2Clk_OP_SET	1	Rte_Call_Sa_MtrDrvDiag_FetFlt2Clk_OP_SET	1	~
GateDrvWaitTime	1	GateDrvWaitTime	1	~
Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32	1	Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32	1	~
Rte_Call_Sa_MtrDrvDiag_SystemTime_DtrmnElapsedTime_uS_u16	1	Rte_Call_Sa_MtrDrvDiag_SystemTime_DtrmnElapsedTime_uS_u16	1	✓
Rte_Call_Sa_MtrDrvDiag_FetFlt1Data_OP_GET	1	Rte_Call_Sa_MtrDrvDiag_FetFlt1Data_OP_GET	1	-
Rte_Call_Sa_MtrDrvDiag_FetFlt2Clk_OP_SET	1	Rte_Call_Sa_MtrDrvDiag_FetFlt2Clk_OP_SET	1	~
GateDrvWaitTime	1	GateDrvWaitTime	1	~
Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32	1	Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32	1	~
Rte_Call_Sa_MtrDrvDiag_SystemTime_DtrmnElapsedTime_uS_u16	1	Rte_Call_Sa_MtrDrvDiag_SystemTime_DtrmnElapsedTime_uS_u16	1	~
Rte_Call_Sa_MtrDrvDiag_FetFlt2Clk_OP_SET	1	Rte_Call_Sa_MtrDrvDiag_FetFlt2Clk_OP_SET	1	~
GateDrvWaitTime	1	GateDrvWaitTime	1	_
Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32	1	Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32	1	~
Rte_Call_Sa_MtrDrvDiag_SystemTime_DtrmnElapsedTime_uS_u16	1	Rte_Call_Sa_MtrDrvDiag_SystemTime_DtrmnElapsedTime_uS_u16	1	_
Rte Call Sa MtrDrvDiag FetFlt1Data OP GET	1	Rte_Call_Sa_MtrDrvDiag_FetFlt1Data_OP_GET	1	•
Rte_Call_Sa_MtrDrvDiag_FetFlt2Clk_OP_SET	1	Rte_Call_Sa_MtrDrvDiag_FetFlt2Clk_OP_SET	1	
GateDrvWaitTime	1	GateDryWaitTime	1	~
	1		1	
Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32 Rte_Call_Sa_MtrDrvDiag_SystemTime_DtrmnElapsedTime_uS_u16	1	Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32	1	~
		Rte_Call_Sa_MtrDrvDiag_SystemTime_DtrmnElapsedTime_uS_u16		
Rte_Call_Sa_MtrDrvDiag_FetFlt2Clk_OP_SET	1	Rte_Call_Sa_MtrDrvDiag_FetFlt2Clk_OP_SET	1	
GateDrvWaitTime	1	GateDrvWaitTime		V
Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32	1	Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32	1	· ·
Rte_Call_Sa_MtrDrvDiag_SystemTime_DtrmnElapsedTime_uS_u16	1	Rte_Call_Sa_MtrDrvDiag_SystemTime_DtrmnElapsedTime_uS_u16	1	V
Rte_Call_Sa_MtrDrvDiag_FetFlt1Data_OP_GET	1	Rte_Call_Sa_MtrDrvDiag_FetFlt1Data_OP_GET	1	~
Rte_Call_Sa_MtrDrvDiag_FetFlt2Clk_OP_SET	1	Rte_Call_Sa_MtrDrvDiag_FetFlt2Clk_OP_SET	1	~
GateDrvWaitTime	1	GateDrvWaitTime	1	~
Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32	1	Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32	1	~
Rte_Call_Sa_MtrDrvDiag_SystemTime_DtrmnElapsedTime_uS_u16	1	Rte_Call_Sa_MtrDrvDiag_SystemTime_DtrmnElapsedTime_uS_u16	1	~
Rte_Call_Sa_MtrDrvDiag_FetFlt2Clk_OP_SET	1	Rte_Call_Sa_MtrDrvDiag_FetFlt2Clk_OP_SET	1	~
GateDrvWaitTime	1	GateDrvWaitTime	1	~
Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32	1	Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32	1	~
Rte_Call_Sa_MtrDrvDiag_SystemTime_DtrmnElapsedTime_uS_u16	1	Rte_Call_Sa_MtrDrvDiag_SystemTime_DtrmnElapsedTime_uS_u16	1	~
Rte_Call_Sa_MtrDrvDiag_FetFlt1Data_OP_GET	1	Rte_Call_Sa_MtrDrvDiag_FetFlt1Data_OP_GET	1	✓
Rte_Call_Sa_MtrDrvDiag_FetFlt2Clk_OP_SET	1	Rte_Call_Sa_MtrDrvDiag_FetFlt2Clk_OP_SET	1	~
GateDrvWaitTime	1	GateDrvWaitTime	1	~
Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32	1	Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32	1	~
Rte_Call_Sa_MtrDrvDiag_SystemTime_DtrmnElapsedTime_uS_u16	1	Rte_Call_Sa_MtrDrvDiag_SystemTime_DtrmnElapsedTime_uS_u16	1	~
Rte_Call_Sa_MtrDrvDiag_FetFlt2Clk_OP_SET	1	Rte Call Sa MtrDrvDiag FetFlt2Clk OP SET	1	~
GateDrvWaitTime	1	GateDrvWaitTime	1	~
Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32	1	Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32	1	_
Rte_Call_Sa_MtrDrvDiag_SystemTime_DtrmnElapsedTime_uS_u16	1	Rte Call Sa MtrDrvDiag SystemTime DtrmnElapsedTime uS u16	1	~
Rte Call Sa MtrDrvDiag FetFlt1Data OP GET	1	Rte_Call_Sa_MtrDrvDiag_FetFlt1Data_OP_GET	1	-
Rte Call Sa MtrDrvDiag FetFlt2Clk OP SET	1	Rte Call Sa MtrDrvDiag FetFlt2Clk OP SET	1	~
GateDrvWaitTime	1	GateDrvWaitTime	1	
Rte Call Sa MtrDrvDiag SystemTime GetSystemTime uS u32	1	Rte Call Sa MtrDrvDiag SystemTime GetSystemTime uS u32	1	~
Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_us2 Rte_Call_Sa_MtrDrvDiag_SystemTime_DtrmnElapsedTime_uS_u16	1	Rte_Call_Sa_MtrDrvDiag_SystemTime_GetsystemTime_us_us2 Rte_Call_Sa_MtrDrvDiag_SystemTime_DtrmnElapsedTime_us_u16	1	,
Rte Call Sa MtrDrvDiag FetFlt2Clk OP SET	1	Rte Call Sa MtrDrvDiag FetFlt2Clk OP SET		~
			1	
GateDrvWaitTime	1	GateDrvWaitTime	1	•
Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32	1	Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32	1	V
Rte_Call_Sa_MtrDrvDiag_SystemTime_DtrmnElapsedTime_uS_u16	1	Rte_Call_Sa_MtrDrvDiag_SystemTime_DtrmnElapsedTime_uS_u16	1	~
Rte_Call_Sa_MtrDrvDiag_FetFlt1Data_OP_GET	1	Rte_Call_Sa_MtrDrvDiag_FetFlt1Data_OP_GET	1	~
Rte_Call_Sa_MtrDrvDiag_FetFlt2Clk_OP_SET	1	Rte_Call_Sa_MtrDrvDiag_FetFlt2Clk_OP_SET	1	~
GateDrvWaitTime	1	GateDrvWaitTime	1	~
Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32	1	Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32	1	~
Rte_Call_Sa_MtrDrvDiag_SystemTime_DtrmnElapsedTime_uS_u16	1	Rte_Call_Sa_MtrDrvDiag_SystemTime_DtrmnElapsedTime_uS_u16	1	~
Rte_Call_Sa_MtrDrvDiag_FetFlt2Clk_OP_SET	1	Rte_Call_Sa_MtrDrvDiag_FetFlt2Clk_OP_SET	1	~
GateDrvWaitTime	1	GateDrvWaitTime	1	~
Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32	1	Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32	1	~
Rte_Call_Sa_MtrDrvDiag_SystemTime_DtrmnElapsedTime_uS_u16	1	Rte_Call_Sa_MtrDrvDiag_SystemTime_DtrmnElapsedTime_uS_u16	1	•
Rte_Call_Sa_MtrDrvDiag_FetFlt1Data_OP_GET	1	Rte_Call_Sa_MtrDrvDiag_FetFlt1Data_OP_GET	1	~
Rte_Call_Sa_MtrDrvDiag_FetFlt2Clk_OP_SET	1	Rte_Call_Sa_MtrDrvDiag_FetFlt2Clk_OP_SET	1	~
GateDrvWaitTime	1	GateDrvWaitTime	1	-
Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32	1	Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32	1	V
Rte_Call_Sa_MtrDrvDiag_SystemTime_DtrmnElapsedTime_uS_u16	1	Rte_Call_Sa_MtrDrvDiag_SystemTime_DtrmnElapsedTime_uS_u16	1	-
Rte_Call_Sa_MtrDrvDiag_FetFlt2Clk_OP_SET	1	Rte_Call_Sa_MtrDrvDiag_FetFlt2Clk_OP_SET	1	~
TAO_Gan_Ga_WittDtVDtag_tGtt ttzGtt_OF_GLT		The_oan_oa_wild Prolag_1 on Ite oin_OF_OL1		_
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_lgr	0
$target_Rte_Call_Sa_MtrDrvDiag_SystemTime_DtrmnElapsedTime_mS_u16_Ela$	20000
target_Rte_Call_Sa_MtrDrvDiag_SystemTime_DtrmnElapsedTime_uS_u16_Elapse	18100
$target_Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_mS_u32_CurrentTime_mS_u32_CurrentTime_mS_u32_CurrentTime_mS_u32_CurrentTime_mS_u32_CurrentTime_mS_u32_CurrentTime_mS_u33_Curren$	26000
$target_Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32_CurrentTire_uS_u32_CurrentTire_uS_u32_CurrentTire_uS_u32_CurrentTire_uS_u32_CurrentTire_uS_u32_CurrentTire_uS_u332_Current$	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

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

Τ				V
Actual Function	Count	Expected Function	Count	Result
Rte_Call_MtrDrvDiag_Per1_CP0_CheckpointReached	1	Rte_Call_MtrDrvDiag_Per1_CP0_CheckpointReached	1	~
Rte_Call_Sa_MtrDrvDiag_FetFlt1Data_OP_GET	1	Rte_Call_Sa_MtrDrvDiag_FetFlt1Data_OP_GET	1	•
Rte_Call_Sa_MtrDrvDiag_FetFlt2Clk_OP_GET	1	Rte_Call_Sa_MtrDrvDiag_FetFlt2Clk_OP_GET	1	~
Rte_Call_Sa_MtrDrvDiag_NxtrDiagMgr_SetNTCStatus	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_lgr	0
$target_Rte_Call_Sa_MtrDrvDiag_SystemTime_DtrmnElapsedTime_mS_u16_ElapsedTime_mSu16$	23000
target_Rte_Call_Sa_MtrDrvDiag_SystemTime_DtrmnElapsedTime_uS_u16_Elapse	19100
target Rte Call Sa MtrDrvDiag SystemTime GetSystemTime mS u32 CurrentTi	100000000
$target_Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32_CurrentTiresum_Suspension_SystemTime_ususususususususususususususususususus$	900000
target_Rte_Inst_Sa_MtrDrvDiag.MtrDrvDiag_Per1_FETFaultPhase_Cnt_enum	target_MtrDrvDiag_Per1_FETFaultPhase_Cnt_enum

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

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

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

Test Step 2.8 (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	
$target_Rte_Call_Sa_MtrDrvDiag_SystemTime_DtrmnElapsedTime_mS_u16_Ela$	26000	
target_Rte_Call_Sa_MtrDrvDiag_SystemTime_DtrmnElapsedTime_uS_u16_Elapse	20100	
$target_Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_mS_u32_CurrentTime_ms_u32_CurrentTime_ms_u32_CurrentTime_ms_u32_CurrentTime_ms_u32_CurrentTime_ms_u32_CurrentTime_ms_u32_CurrentTime_ms_u32_CurrentTime_ms_u32_CurrentTime_ms_u32_CurrentTime_ms_u322_CurrentTime_ms_u322_CurrentTime_ms_u322_CurrentTime_ms_u322_CurrentTime$	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_GateDriveResetAc	tive_Cnt_lgc	
target_Rte_Inst_Sa_MtrDrvDiag.MtrDrvDiag_Per1_MtrDrvrInitComplete_Cnt_Igc	target_MtrDrvDiag_Per1_MtrDrvrInitComplet	e_Cnt_lgc	
target_Rte_Inst_Sa_MtrDrvDiag.MtrDrvDiag_Per1_MtrDrvrInitStart_Cnt_Igc	target_MtrDrvDiag_Per1_MtrDrvrInitStart_Cr	nt_lgc	
Name	Actual Value	Expected Value	Result
SVDiag_FETFaultPhase_Cnt_M_enum	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_lgrams and the properties of $	1
target Rte Call Sa MtrDrvDiag SystemTime DtrmnElapsedTime mS u16 Elapse	29000
target_Rte_Call_Sa_MtrDrvDiag_SystemTime_DtrmnElapsedTime_uS_u16_Elapse	21100
$target_Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_mS_u32_CurrentTime_mS_u32_CurrentTime_mS_u32_CurrentTime_mS_u32_CurrentTime_mS_u32_CurrentTime_mS_u32_CurrentTime_mS_u33_Curren$	30000000

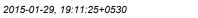




Name	Input Value		
target_Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32_CurrentTir	1100000		
target_Rte_Inst_Sa_MtrDrvDiag.MtrDrvDiag_Per1_FETFaultPhase_Cnt_enum	target_MtrDrvDiag_Per1_FETFaultPhase_Cr	nt_enum	
target_Rte_Inst_Sa_MtrDrvDiag.MtrDrvDiag_Per1_FETFaultType_Cnt_enum	target_MtrDrvDiag_Per1_FETFaultType_Cnt	_enum	
target_Rte_Inst_Sa_MtrDrvDiag.MtrDrvDiag_Per1_GateDriveResetActive_Cnt_Igc	target_MtrDrvDiag_Per1_GateDriveResetAct	rive_Cnt_lgc	
target_Rte_Inst_Sa_MtrDrvDiag.MtrDrvDiag_Per1_MtrDrvrInitComplete_Cnt_Igc	target_MtrDrvDiag_Per1_MtrDrvrInitComplete	e_Cnt_lgc	
target_Rte_Inst_Sa_MtrDrvDiag.MtrDrvDiag_Per1_MtrDrvrInitStart_Cnt_Igc	target_MtrDrvDiag_Per1_MtrDrvrInitStart_Cr	ıt_lgc	
Name	Actual Value	Expected Value	Result
SVDiag_FETFaultPhase_Cnt_M_enum	1	1	~
SVDiag_FETFaultType_Cnt_M_enum	1	1	•
SVDiag_GateDriveFltAcc_Cnt_M_u16	5000	5000 ± 1	~
SVDiag_GenGateDriveFltAcc_Cnt_M_u16	200	200 ± 1	~
SVDiag_MtrDrvInitActive_Cnt_M_lgc	0	0	~
SVDiag_MtrDrvInitComp_Cnt_M_lgc	1	1	~
SVDiag_MtrDrvInitStartTime_mS_M_u32p0	2929	2929 ± 1	~
SVDiag_OnStateFltAcc_Cnt_M_u16	12221	12221 ± 1	~
SVDiag_ResetWaitLoop_Cnt_M_lgc	0	0	~
target_MtrDrvDiag_Per1_FETFaultPhase_Cnt_enum.value	1	1	•
target_MtrDrvDiag_Per1_FETFaultType_Cnt_enum.value	1	1	•
target_MtrDrvDiag_Per1_GateDriveResetActive_Cnt_lgc.value	1	1	~
target_MtrDrvDiag_Per1_MtrDrvrInitComplete_Cnt_lgc.value	1	1	~
NTC	0x4C	0x4C	•
Param	0x01	0x01	~
Status	0x01	0x01	~

T				✓
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_lgrame and the control of the control $	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		
$target_Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_mS_u32_CurrentTime_mS_u32_CurrentTime_mS_u32_CurrentTime_mS_u32_CurrentTime_mS_u32_CurrentTime_mS_u32_CurrentTime_mS_u32_CurrentTime_mS_u32_CurrentTime_mS_u32_CurrentTime_mS_u32_CurrentTime_mS_u32_CurrentTime_$	40000000		
target_Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32_CurrentTire	1200000		
target_Rte_Inst_Sa_MtrDrvDiag.MtrDrvDiag_Per1_FETFaultPhase_Cnt_enum	target_MtrDrvDiag_Per1_FETFaultPhase_Cr	nt_enum	
target_Rte_Inst_Sa_MtrDrvDiag.MtrDrvDiag_Per1_FETFaultType_Cnt_enum	target_MtrDrvDiag_Per1_FETFaultType_Cnt	_enum	
$target_Rte_Inst_Sa_MtrDrvDiag.MtrDrvDiag_Per1_GateDriveResetActive_Cnt_lgc$	target_MtrDrvDiag_Per1_GateDriveResetAct	ive_Cnt_lgc	
target_Rte_Inst_Sa_MtrDrvDiag.MtrDrvDiag_Per1_MtrDrvrInitComplete_Cnt_Igc	target_MtrDrvDiag_Per1_MtrDrvrInitComplete	e_Cnt_lgc	
target_Rte_Inst_Sa_MtrDrvDiag.MtrDrvDiag_Per1_MtrDrvrInitStart_Cnt_Igc	target_MtrDrvDiag_Per1_MtrDrvrInitStart_Cr	ıt_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		Expected Function		Result
Rte_Call_MtrDrvDiag_Per1_CP0_CheckpointReached	1	Rte_Call_MtrDrvDiag_Per1_CP0_CheckpointReached	1	~
Rte_Call_Sa_MtrDrvDiag_FetFlt1Data_OP_GET	1	Rte_Call_Sa_MtrDrvDiag_FetFlt1Data_OP_GET	1	V
Rte_Call_Sa_MtrDrvDiag_FetFlt2Clk_OP_GET	1	Rte_Call_Sa_MtrDrvDiag_FetFlt2Clk_OP_GET	1	~
Rte_Call_Sa_MtrDrvDiag_NxtrDiagMgr_SetNTCStatus ProcBridgeFlt	1	Rte_Call_Sa_MtrDrvDiag_NxtrDiagMgr_SetNTCStatus ProcBridgeFlt	1	Ž
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	V
GateDrvWaitTime	1	GateDrvWaitTime	1	- 4
Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32		Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32		
Rte_Call_Sa_MtrDrvDiag_SystemTime_DtrmnElapsedTime_uS_u16 Rte_Call_Sa_MtrDrvDiag_FetFlt1Data_OP_GET	1	Rte_Call_Sa_MtrDrvDiag_SystemTime_DtrmnElapsedTime_uS_u16 Rte_Call_Sa_MtrDrvDiag_FetFlt1Data_OP_GET	1	✓ ✓
Rte Call Sa MtrDrvDiag FetFlt2Clk OP SET	1	Rte_Call_Sa_MtrDrvDiag_FetFlt2Clk_OP_SET	1	
GateDrvWaitTime	1	GateDrvWaitTime	1	-
Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32	1	Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32	1	-
Rte_Call_Sa_MtrDrvDiag_SystemTime_DtrmnElapsedTime_uS_u16	1	Rte_Call_Sa_MtrDrvDiag_SystemTime_DtrmnElapsedTime_uS_u16	1	V
Rte_Call_Sa_MtrDrvDiag_FetFlt2Clk_OP_SET	1	Rte_Call_Sa_MtrDrvDiag_FetFlt2Clk_OP_SET	1	V
GateDrvWaitTime	1	GateDrvWaitTime	1	~
Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32	1	Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32	1	~
Rte_Call_Sa_MtrDrvDiag_SystemTime_DtrmnElapsedTime_uS_u16	1	Rte_Call_Sa_MtrDrvDiag_SystemTime_DtrmnElapsedTime_uS_u16	1	~
Rte_Call_Sa_MtrDrvDiag_FetFlt1Data_OP_GET	1	Rte_Call_Sa_MtrDrvDiag_FetFlt1Data_OP_GET	1	~
Rte_Call_Sa_MtrDrvDiag_FetFlt2Clk_OP_SET	1	Rte_Call_Sa_MtrDrvDiag_FetFlt2Clk_OP_SET	1	~
GateDrvWaitTime	1	GateDrvWaitTime	1	~
Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32	1	Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32	1	~
Rte_Call_Sa_MtrDrvDiag_SystemTime_DtrmnElapsedTime_uS_u16	1	Rte_Call_Sa_MtrDrvDiag_SystemTime_DtrmnElapsedTime_uS_u16	1	~
Rte_Call_Sa_MtrDrvDiag_FetFlt2Clk_OP_SET	1	Rte_Call_Sa_MtrDrvDiag_FetFlt2Clk_OP_SET	1	~
GateDrvWaitTime	1	GateDrvWaitTime	1	~
Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32	1	Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32	1	V
Rte_Call_Sa_MtrDrvDiag_SystemTime_DtrmnElapsedTime_uS_u16	1	Rte_Call_Sa_MtrDrvDiag_SystemTime_DtrmnElapsedTime_uS_u16	1	•
Rte_Call_Sa_MtrDrvDiag_FetFlt1Data_OP_GET Rte_Call_Sa_MtrDrvDiag_FetFlt2Clk_OP_SET	1	Rte_Call_Sa_MtrDrvDiag_FetFlt1Data_OP_GET Rte_Call_Sa_MtrDrvDiag_FetFlt2Clk_OP_SET	1	· ·
GateDrvWaitTime	1	GateDrvWaitTime	1	~
Rte Call Sa MtrDrvDiag SystemTime GetSystemTime uS u32	1	Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32	1	-
Rte_Call_Sa_MtrDrvDiag_SystemTime_DtrmnElapsedTime_uS_u16	1	Rte Call Sa MtrDrvDiag SystemTime DtrmnElapsedTime uS u16	1	V
Rte_Call_Sa_MtrDrvDiag_FetFlt2Clk_OP_SET	1	Rte_Call_Sa_MtrDrvDiag_FetFlt2Clk_OP_SET	1	-
GateDrvWaitTime	1	GateDrvWaitTime	1	~
Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32	1	Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32	1	~
Rte_Call_Sa_MtrDrvDiag_SystemTime_DtrmnElapsedTime_uS_u16	1	Rte_Call_Sa_MtrDrvDiag_SystemTime_DtrmnElapsedTime_uS_u16	1	~
Rte_Call_Sa_MtrDrvDiag_FetFlt1Data_OP_GET	1	Rte_Call_Sa_MtrDrvDiag_FetFlt1Data_OP_GET	1	~
Rte_Call_Sa_MtrDrvDiag_FetFlt2Clk_OP_SET	1	Rte_Call_Sa_MtrDrvDiag_FetFlt2Clk_OP_SET	1	•
GateDrvWaitTime	1	GateDrvWaitTime	1	~
Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32	1	Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32	1	~
Rte_Call_Sa_MtrDrvDiag_SystemTime_DtrmnElapsedTime_uS_u16	1	Rte_Call_Sa_MtrDrvDiag_SystemTime_DtrmnElapsedTime_uS_u16	1	~
Rte_Call_Sa_MtrDrvDiag_FetFlt2Clk_OP_SET	1	Rte_Call_Sa_MtrDrvDiag_FetFlt2Clk_OP_SET	1	~
GateDrvWaitTime	1	GateDrvWaitTime	1	~
Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32	1	Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32	1	V
Rte_Call_Sa_MtrDrvDiag_SystemTime_DtrmnElapsedTime_uS_u16	1	Rte_Call_Sa_MtrDrvDiag_SystemTime_DtrmnElapsedTime_uS_u16	1	~
Rte_Call_Sa_MtrDrvDiag_FetFlt1Data_OP_GET	1	Rte_Call_Sa_MtrDrvDiag_FetFlt1Data_OP_GET	1	V
Rte_Call_Sa_MtrDrvDiag_FetFlt2Clk_OP_SET	1	Rte_Call_Sa_MtrDrvDiag_FetFlt2Clk_OP_SET	1	*
GateDrvWaitTime Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32	1	GateDrvWaitTime Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32	1	-
Rte_Call_Sa_MtrDrvDiag_SystemTime_DtrmnElapsedTime_uS_u16	1	Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32 Rte_Call_Sa_MtrDrvDiag_SystemTime_DtrmnElapsedTime_uS_u16	1	~
Rte_Call_Sa_MtrDrvDiag_FetFlt2Clk_OP_SET	1	Rte_Call_Sa_MtrDrvDiag_FetFlt2Clk_OP_SET	1	
GateDrvWaitTime	1	GateDrvWaitTime	1	· ·
Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32	1	Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32	1	-
Rte_Call_Sa_MtrDrvDiag_SystemTime_DtrmnElapsedTime_uS_u16	1	Rte_Call_Sa_MtrDrvDiag_SystemTime_DtrmnElapsedTime_uS_u16	1	~
Rte_Call_Sa_MtrDrvDiag_FetFlt1Data_OP_GET	1	Rte_Call_Sa_MtrDrvDiag_FetFlt1Data_OP_GET	1	-
Rte_Call_Sa_MtrDrvDiag_FetFlt2Clk_OP_SET	1	Rte_Call_Sa_MtrDrvDiag_FetFlt2Clk_OP_SET	1	V
GateDrvWaitTime	1	GateDrvWaitTime	1	-
Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32	1	Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32	1	~
Rte_Call_Sa_MtrDrvDiag_SystemTime_DtrmnElapsedTime_uS_u16	1	Rte_Call_Sa_MtrDrvDiag_SystemTime_DtrmnElapsedTime_uS_u16	1	~
Rte_Call_Sa_MtrDrvDiag_FetFlt2Clk_OP_SET	1	Rte_Call_Sa_MtrDrvDiag_FetFlt2Clk_OP_SET	1	~
GateDrvWaitTime	1	GateDrvWaitTime	1	_

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MtrDrvDiag_Per1

Actual Function	Count	Expected Function	Count	Result
Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32	1	Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32	1	~
Rte_Call_Sa_MtrDrvDiag_SystemTime_DtrmnElapsedTime_uS_u16	1	Rte_Call_Sa_MtrDrvDiag_SystemTime_DtrmnElapsedTime_uS_u16	1	~
Rte_Call_Sa_MtrDrvDiag_FetFlt1Data_OP_GET	1	Rte_Call_Sa_MtrDrvDiag_FetFlt1Data_OP_GET	1	~
Rte_Call_Sa_MtrDrvDiag_FetFlt2Clk_OP_SET	1	Rte_Call_Sa_MtrDrvDiag_FetFlt2Clk_OP_SET	1	~
GateDrvWaitTime	1	GateDrvWaitTime	1	~
Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32	1	Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32	1	~
Rte_Call_Sa_MtrDrvDiag_SystemTime_DtrmnElapsedTime_uS_u16	1	Rte_Call_Sa_MtrDrvDiag_SystemTime_DtrmnElapsedTime_uS_u16	1	~
Rte_Call_Sa_MtrDrvDiag_FetFlt2Clk_OP_SET	1	Rte_Call_Sa_MtrDrvDiag_FetFlt2Clk_OP_SET	1	~
GateDrvWaitTime	1	GateDrvWaitTime	1	~
Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32	1	Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32	1	~
Rte_Call_Sa_MtrDrvDiag_SystemTime_DtrmnElapsedTime_uS_u16	1	Rte_Call_Sa_MtrDrvDiag_SystemTime_DtrmnElapsedTime_uS_u16	1	~
Rte_Call_Sa_MtrDrvDiag_FetFlt1Data_OP_GET	1	Rte_Call_Sa_MtrDrvDiag_FetFlt1Data_OP_GET	1	~
Rte_Call_Sa_MtrDrvDiag_FetFlt2Clk_OP_SET	1	Rte_Call_Sa_MtrDrvDiag_FetFlt2Clk_OP_SET	1	✓
GateDrvWaitTime	1	GateDrvWaitTime	1	~
Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32	1	Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32	1	✓
Rte_Call_Sa_MtrDrvDiag_SystemTime_DtrmnElapsedTime_uS_u16	1	Rte_Call <u>IISSa_</u> MtrDrvDiag_SystemTime_Dtem@CElalps&al_Tiv/hteDrv/Spia.gl_6= ed(1	•
Rte_Call_Sa_MtrDrvDiag_FetFlt2Clk_OP_SET	1	Rte_Call_Sa_MtrDrvDiag_FetFlt2Clk_OP_SET	1	~
GateDrvWaitTime	1	GateDrvWaitTime	1	•
Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32	1	Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32	1	•
Rte_Call_Sa_MtrDrvDiag_SystemTime_DtrmnElapsedTime_uS_u16	1	Rte_Call_Sa_MtrDrvDiag_SystemTime_DtrmnElapsedTime_uS_u16	1	~
Rte_Call_Sa_MtrDrvDiag_FetFlt1Data_OP_GET	1	Rte_Call_Sa_MtrDrvDiag_FetFlt1Data_OP_GET	1	✓
Rte_Call_Sa_MtrDrvDiag_FetFlt2Clk_OP_SET	1	Rte_Call_Sa_MtrDrvDiag_FetFlt2Clk_OP_SET	1	~
GateDrvWaitTime	T si	(ຂອ)eDrvWaitTime	1	✓
Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32	1	Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32	1	~
Rte_Call_Sa_MtrDrvDiag_SystemTime_DtrmnElapsedTime_uS_u16	1	Rte_Call_Sa_MtrDrvDiag_SystemTime_DtrmnElapsedTime_uS_u16	1	•
Rte_Call_Sa_MtrDrvDiag_loHwAbPortConfig_SetFetFlt2ToOutput	1	Rte_Call_Sa_MtrDrvDiag_IoHwAbPortConfig_SetFetFlt2ToOutput	1	•
Rte_Call_Sa_MtrDrvDiag_NxtrDiagMgr_SetNTCStatus	1	Rte_Call_Sa_MtrDrvDiag_NxtrDiagMgr_SetNTCStatus	1	•
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)	





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

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_lgrame and the control of the control $	1
$target_Rte_Call_Sa_MtrDrvDiag_SystemTime_DtrmnElapsedTime_mS_u16_Ela$	38000
target_Rte_Call_Sa_MtrDrvDiag_SystemTime_DtrmnElapsedTime_uS_u16_Elapse	24100
$target_Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_mS_u32_CurrentTime_mS_u32_CurrentTime_mS_u32_CurrentTime_mS_u32_CurrentTime_mS_u32_CurrentTime_mS_u32_CurrentTime_mS_u33_Curren$	60000000
$target_Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32_CurrentTime_uS_u32_CurrentTime_uS_u32_CurrentTime_uS_u32_CurrentTime_uS_u32_CurrentTime_uS_u32_CurrentTime_uS_u33_Curren$	1400000
target_Rte_Inst_Sa_MtrDrvDiag.MtrDrvDiag_Per1_FETFaultPhase_Cnt_enum	target_MtrDrvDiag_Per1_FETFaultPhase_Cnt_enum
target_Rte_Inst_Sa_MtrDrvDiag.MtrDrvDiag_Per1_FETFaultType_Cnt_enum	target_MtrDrvDiag_Per1_FETFaultType_Cnt_enum
$target_Rte_Inst_Sa_MtrDrvDiag.MtrDrvDiag_Per1_GateDriveResetActive_Cnt_lgc$	target_MtrDrvDiag_Per1_GateDriveResetActive_Cnt_lgc
target_Rte_Inst_Sa_MtrDrvDiag.MtrDrvDiag_Per1_MtrDrvrInitComplete_Cnt_lgc	target_MtrDrvDiag_Per1_MtrDrvrInitComplete_Cnt_lgc

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Name	Input Value			
target_Rte_Inst_Sa_MtrDrvDiag.MtrDrvDiag_Per1_MtrDrvrInitStart_Cnt_lgc	target_MtrDrvDiag_Per1_Mtr[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_Igc.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	v	

T				V
Actual Function	Count	Expected Function	Count	Result
Rte_Call_MtrDrvDiag_Per1_CP0_CheckpointReached	1	Rte_Call_MtrDrvDiag_Per1_CP0_CheckpointReached	1	~
Rte_Call_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_FetFlt	2Clk OP GET signal	
Rte_Call_Sa_MtrDrvDiag_NxtrDiagMgr_GetNTCFailed(NTCFailed_Ptr_T_lgc)		agMgr_GetNTCFailed_NTCFailed_Ptr_T_lgc	
Rte_Call_Sa_MtrDrvDiag_SystemTime_DtrmnElapsedTime_mS_u16(ElapsedTime		nTime DtrmnElapsedTime mS u16 Elapse	
Rte_Call_Sa_MtrDrvDiag_SystemTime_DtrmnElapsedTime_uS_u16(ElapsedTime_		nTime_DtrmnElapsedTime_inS_u16_Elapsed	
Rte Call Sa MtrDrvDiag SystemTime GetSystemTime mS u32(CurrentTime)		mTime GetSystemTime mS u32 CurrentTir	
Rte Call Sa MtrDrvDiag SystemTime GetSystemTime us u32(CurrentTime)		mTime_GetSystemTime_IIIS_u32_CurrentTim	
Rte Inst Sa MtrDrvDiag	target_Rte_Inst_Sa_MtrDrvDiag_System	irrinie_Getoysteirrinie_uo_uoz_currentriir	ic
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 Igc	0		
k_GateDriveDiag_Cnt_str.Threshold	55000		
k_GateDriveDiag_Cnt_str.PStep	12000		
k_GateDriveDiag_Cnt_str.NStep	5555		
k_GateDriveDiag_Crit_str.Nstep k_OnStateDiag_Crit_str.Threshold	12000		
k_OnStateDiag_Cnt_str. Pricerioid k_OnStateDiag_Cnt_str.PStep	25000		
	3333		
k_OnStateDiag_Cnt_str.NStep	1		
target_MtrDrvDiag_Per1_MtrDrvrInitStart_Cnt_lgc.value			
target_Rte_Call_Sa_MtrDrvDiag_FetFlt2Clk_OP_GET_signal	0		
target_Rte_Call_Sa_MtrDrvDiag_NxtrDiagMgr_GetNTCFailed_NTCFailed_Ptr_T_I			
target_Rte_Call_Sa_MtrDrvDiag_SystemTime_DtrmnElapsedTime_mS_u16_ElapsedTime_DtrmnElapsedTime_wS_u16_ElapsedTime_DtrmnElapsedTime_uS_u16_ElapsedTi			
target_Rte_Call_Sa_MtrDrvDiag_SystemTime_DtrmnElapsedTime_uS_u16_Elaps			
target_Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_mS_u32_Current			
target_Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32_CurrentT		0-1	
target_Rte_Inst_Sa_MtrDrvDiag.MtrDrvDiag_Per1_FETFaultPhase_Cnt_enum	target_MtrDrvDiag_Per1_FETFaultPhas		
target_Rte_Inst_Sa_MtrDrvDiag.MtrDrvDiag_Per1_FETFaultType_Cnt_enum	target_MtrDrvDiag_Per1_FETFaultType		
target_Rte_Inst_Sa_MtrDrvDiag.MtrDrvDiag_Per1_GateDriveResetActive_Cnt_Igc			
target_Rte_Inst_Sa_MtrDrvDiag.MtrDrvDiag_Per1_MtrDrvrInitComplete_Cnt_Igc	target_MtrDrvDiag_Per1_MtrDrvrInitCor		
target_Rte_Inst_Sa_MtrDrvDiag.MtrDrvDiag_Per1_MtrDrvrInitStart_Cnt_Igc	target_MtrDrvDiag_Per1_MtrDrvrInitSta		
Name	Actual Value	Expected Value	Resu
SVDiag_FETFaultPhase_Cnt_M_enum	2	2	
SVDiag_FETFaultType_Cnt_M_enum	2	2	
SVDiag_GateDriveFltAcc_Cnt_M_u16	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	
	0x4E	0x4E	
NTC		0x00	
NTC Param	0x00	0.000	
	0x00 0x00	0x00	
Param			
Param Status	0x00	0x00	

T				✓
Actual Function	Count	Expected Function	Count	Result
Rte_Call_MtrDrvDiag_Per1_CP0_CheckpointReached	1	Rte_Call_MtrDrvDiag_Per1_CP0_CheckpointReached	1	~
Rte_Call_Sa_MtrDrvDiag_FetFlt1Data_OP_GET	1	Rte_Call_Sa_MtrDrvDiag_FetFlt1Data_OP_GET	1	•
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	~

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Test Step 2.14 (Repeat Count = 1)

MtrDrvDiag_Per1

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Test Step 2.15 (Repeat Count = 1) Name	Input Value		
Rte_Call_Sa_MtrDrvDiag_FetFlt2Clk_OP_GET(signal)	target_Rte_Call_Sa_MtrDrvDiag_Fet	Elt2Clk OP GET signal	
Rte_Call_Sa_MtrDrvDiag_NxtrDiagMgr_GetNTCFailed(NTCFailed_Ptr_T_lgc)		trDiagMgr_GetNTCFailed_NTCFailed_P	tr T lac
Rte Call Sa MtrDrvDiag SystemTime DtrmnElapsedTime mS u16(ElapsedTime		stemTime_DtrmnElapsedTime_mS_u16	
Rte_Call_Sa_MtrDrvDiag_SystemTime_DtrmnElapsedTime_uS_u16(ElapsedTime	, , , , , , , , , , , , , , , , , , , ,	stemTime_DtrmnElapsedTime_uS_u16_	
Rte Call Sa MtrDrvDiag SystemTime GetSystemTime mS u32(CurrentTime)		stemTime GetSystemTime mS u32 Cu	
Rte Call Sa MtrDrvDiag SystemTime GetSystemTime uS u32(CurrentTime)		stemTime_GetSystemTime_uS_u32_Cu	
Rte Inst Sa MtrDrvDiag	target_Rte_Inst_Sa_MtrDrvDiag	56	
SVDiag_FETFaultPhase_Cnt_M_enum	0		
SVDiag_FETFaultType_Cnt_M_enum	1		
SVDiag GateDriveFltAcc Cnt M u16	11000		
SVDiag_GenGateDriveFltAcc_Cnt_M_u16	140		
SVDiag MtrDrvInitActive Cnt M lgc	0		
SVDiag_MtrDrvInitComp_Cnt_M_lgc	1		
SVDiag MtrDrvInitStartTime mS M u32p0	400000		
SVDiag OnStateFltAcc Cnt M u16	15100		
SVDiag_ResetWaitLoop_Cnt_M_lgc	0		
k_GateDriveDiag_Cnt_str.Threshold	65000		
k_GateDriveDiag_Cnt_str.PStep	14000		
k_GateDriveDiag_Cnt_str.NStep	65535		
k_OnStateDiag_Cnt_str.Threshold	14000		
k_OnStateDiag_Cnt_str.PStep	27000		
k_OnStateDiag_Cnt_str.NStep	5555		
target_MtrDrvDiag_Per1_MtrDrvrInitStart_Cnt_lgc.value	1		
target_Rte_Call_Sa_MtrDrvDiag_FetFlt2Clk_OP_GET_signal	0		
target_Rte_Call_Sa_MtrDrvDiag_NxtrDiagMgr_GetNTCFailed_NTCFailed_Ptr_T_le	g ₁ 0		
$target_Rte_Call_Sa_MtrDrvDiag_SystemTime_DtrmnElapsedTime_mS_u16_Ela$	se 47000		
target_Rte_Call_Sa_MtrDrvDiag_SystemTime_DtrmnElapsedTime_uS_u16_Elaps	e 2222		
$target_Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_mS_u32_Current Time_mS_u32_Current Time_mS_u32_Current Time_mS_u32_Current Time_mS_u32_Current Time_mS_u32_Current Time_mS_u32_Current Time_mS_u32_Current Time_mS_u32_Current Time_mS_u32_Current Time_mS_u33_Current Time_mS_u33_Cu$	Ті 90000000		
$target_Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32_CurrentTime_uS_u32_CurrentTime_uS_u32_CurrentTime_uS_u32_CurrentTime_uS_u32_CurrentTime_uS_u32_CurrentTime_uS_u332_Current$	ir 1700000		
target_Rte_Inst_Sa_MtrDrvDiag.MtrDrvDiag_Per1_FETFaultPhase_Cnt_enum	target_MtrDrvDiag_Per1_FETFaultPl	hase_Cnt_enum	
target_Rte_Inst_Sa_MtrDrvDiag.MtrDrvDiag_Per1_FETFaultType_Cnt_enum	target_MtrDrvDiag_Per1_FETFaultTy	ype_Cnt_enum	
$target_Rte_Inst_Sa_MtrDrvDiag.MtrDrvDiag_Per1_GateDriveResetActive_Cnt_lgc$	target_MtrDrvDiag_Per1_GateDriveF	ResetActive_Cnt_lgc	
target_Rte_Inst_Sa_MtrDrvDiag.MtrDrvDiag_Per1_MtrDrvrInitComplete_Cnt_Igc	target_MtrDrvDiag_Per1_MtrDrvrInit(Complete_Cnt_lgc	
target_Rte_Inst_Sa_MtrDrvDiag.MtrDrvDiag_Per1_MtrDrvrInitStart_Cnt_lgc	target_MtrDrvDiag_Per1_MtrDrvrInit	Start_Cnt_lgc	
Name	Actual Value	Expected Value	Resu
SVDiag_FETFaultPhase_Cnt_M_enum	0	0	(
SVDiag_FETFaultType_Cnt_M_enum	1	1	
SVDiag_GateDriveFltAcc_Cnt_M_u16	0	0 ± 1	
SVDiag_GenGateDriveFltAcc_Cnt_M_u16	140	140 ± 1	
SVDiag_MtrDrvInitActive_Cnt_M_lgc	0	0	
SVDiag_MtrDrvInitComp_Cnt_M_lgc	1	1	
SVDiag_MtrDrvInitStartTime_mS_M_u32p0	400000	400000 ± 1	
SVDiag_OnStateFltAcc_Cnt_M_u16	9545	9545 ± 1	
SVDiag_ResetWaitLoop_Cnt_M_lgc	0	0	
target_MtrDrvDiag_Per1_FETFaultPhase_Cnt_enum.value	0	0	
target_MtrDrvDiag_Per1_FETFaultType_Cnt_enum.value	1	1	
target_MtrDrvDiag_Per1_GateDriveResetActive_Cnt_lgc.value	0	0	
target_MtrDrvDiag_Per1_MtrDrvrInitComplete_Cnt_lgc.value	1	1	
NTC	0x4D	0x4D	
Param	0x00	0x00	
Status	0x00	0x00	
NTC	0x4E	0x4E	
Param	0x00	0x00	
Status	0x00	0x00	
Status			
NTC Status	0x4F	0x4F	
	0x4F 0x00	0x4F 0x00	

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_NxtrDiagM	gr_GetNTCFailed_NTCFailed_Ptr_T_lgc	
$Rte_Call_Sa_MtrDrvDiag_SystemTime_DtrmnElapsedTime_mS_u16(ElapsedTime)$	target_Rte_Call_Sa_MtrDrvDiag_SystemTim	ne_DtrmnElapsedTime_mS_u16_ElapsedTime	e
$Rte_Call_Sa_MtrDrvDiag_SystemTime_DtrmnElapsedTime_uS_u16 (ElapsedTime)$	target_Rte_Call_Sa_MtrDrvDiag_SystemTim	ne_DtrmnElapsedTime_uS_u16_ElapsedTime	
Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_mS_u32(CurrentTime)	target_Rte_Call_Sa_MtrDrvDiag_SystemTim	ne_GetSystemTime_mS_u32_CurrentTime	
Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32(CurrentTime)	target_Rte_Call_Sa_MtrDrvDiag_SystemTim	ne_GetSystemTime_uS_u32_CurrentTime	
Rte_Inst_Sa_MtrDrvDiag	target_Rte_Inst_Sa_MtrDrvDiag		
SVDiag_FETFaultPhase_Cnt_M_enum	1		
SVDiag_FETFaultType_Cnt_M_enum	1		
SVDiag_GateDriveFltAcc_Cnt_M_u16	12000		
SVDiag_GenGateDriveFltAcc_Cnt_M_u16	150		
SVDiag_MtrDrvInitActive_Cnt_M_lgc	1		
SVDiag_MtrDrvInitComp_Cnt_M_lgc	1		
SVDiag_MtrDrvInitStartTime_mS_M_u32p0	500000		
SVDiag_OnStateFltAcc_Cnt_M_u16	16100		
SVDiag_ResetWaitLoop_Cnt_M_lgc	0		
k_GateDriveDiag_Cnt_str.Threshold	11111		
k_GateDriveDiag_Cnt_str.PStep	15000		
k_GateDriveDiag_Cnt_str.NStep	3000		
k_OnStateDiag_Cnt_str.Threshold	15000		
k_OnStateDiag_Cnt_str.PStep	28000		
k_OnStateDiag_Cnt_str.NStep	6666		
target MtrDrvDiag Per1 MtrDrvrInitStart Cnt lgc.value	1		
target Rte Call Sa MtrDrvDiag FetFlt2Clk OP GET signal	0		
target_Rte_Call_Sa_MtrDrvDiag_NxtrDiagMgr_GetNTCFailed_NTCFailed_Ptr_T_lg	1		
target Rte Call Sa MtrDrvDiag SystemTime DtrmnElapsedTime mS u16 Elapse			
target_Rte_Call_Sa_MtrDrvDiag_SystemTime_DtrmnElapsedTime_uS_u16_Elapse	3333		
target_Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_mS_u32_CurrentTi			
target Rte Call Sa MtrDrvDiag SystemTime GetSystemTime uS u32 CurrentTir			
target_Rte_Inst_Sa_MtrDrvDiag_MtrDrvDiag_Per1_FETFaultPhase_Cnt_enum	target_MtrDrvDiag_Per1_FETFaultPhase_C	nt enum	
target Rte Inst Sa MtrDrvDiag.MtrDrvDiag Per1 FETFaultType Cnt enum	target MtrDrvDiag Per1 FETFaultType Cni	_	
target_Rte_Inst_Sa_MtrDrvDiag.MtrDrvDiag_Per1_GateDriveResetActive_Cnt_lgc	target_MtrDrvDiag_Per1_GateDriveResetAc	_	
target Rte Inst Sa MtrDrvDiag.MtrDrvDiag Per1 MtrDrvrInitComplete Cnt Igc	target MtrDrvDiag Per1 MtrDrvrInitComplet		
target_Rte_Inst_Sa_MtrDrvDiag.MtrDrvDiag_Per1_MtrDrvrInitStart_Cnt_Igc	target_MtrDrvDiag_Per1_MtrDrvrInitStart_Cr		
Name	Actual Value	Expected Value	Result
SVDiag FETFaultPhase Cnt M enum	1	1	Result
SVDiag FETFaultType Cnt M enum	1	1	-
SVDiag GateDriveFltAcc Cnt M u16	9000	9000 ± 1	
	150	150 ± 1	
SVDiag_GenGateDriveFltAcc_Cnt_M_u16	1	1	
SVDiag_MtrDrvInitActive_Cnt_M_lgc	1	1	
SVDiag_MtrDrvInitComp_Cnt_M_lgc		ļ.	
SVDiag_MtrDrvInitStartTime_mS_M_u32p0	500000	500000 ± 1	
SVDiag_OnStateFltAcc_Cnt_M_u16	9434	9434 ± 1	
SVDiag_ResetWaitLoop_Cnt_M_lgc	0	0 1	- 4
target_MtrDrvDiag_Per1_FETFaultPhase_Cnt_enum.value	1	1	J
target_MtrDrvDiag_Per1_FETFaultType_Cnt_enum.value	0	0	-
target_MtrDrvDiag_Per1_GateDriveResetActive_Cnt_lgc.value		l'	Ž
target_MtrDrvDiag_Per1_MtrDrvrInitComplete_Cnt_Igc.value	1 OutD	1	
NTC Pages	0x4D	0x4D	
Param	0x00	0x00	
Status	0x00	0x00	•
NTC	0x4E	0x4E	_
Param	0x00	0x00	V
Status	0x00	0x00	•
NTC	0x4F	0x4F	~
	0.00		
Param Status	0x00 0x00	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_Fetl	Elt2Clk OP GET signal	
Rte_Call_Sa_MtrDrvDiag_PetFit2Gik_OP_GE1(signal) Rte_Call_Sa_MtrDrvDiag_NxtrDiagMgr_GetNTCFailed(NTCFailed_Ptr_T_lgc)		-nzcik_op_ge1_signal ·DiagMgr_GetNTCFailed_NTCFailed_Ptr_	T lac
Rte Call Sa MtrDrvDiag SystemTime DtrmnElapsedTime mS u16(ElapsedTime		temTime DtrmnElapsedTime mS u16 E	
Rte_Call_Sa_MtrDrvDiag_SystemTime_DtrmnElapsedTime_uS_u16(ElapsedTime)	,	temTime_DtrmnElapsedTime_uS_u16_El	
Rte Call Sa MtrDrvDiag SystemTime GetSystemTime mS u32(CurrentTime)		temTime_DuffiniLiapsedTime_u3_u10_Life temTime GetSystemTime mS u32 Curr	
Rte Call Sa MtrDrvDiag SystemTime GetSystemTime us u32(CurrentTime)		temTime_GetSystemTime_uS_u32_Curre	
Rte Inst Sa MtrDrvDiag	target_Rte_Inst_Sa_MtrDrvDiag	terrime_detaysterrime_u3_u32_curre	ent i inie
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 OnStateFitAcc Cnt M u16	17100		
SVDiag_Onstate=inAcc_ont_in_u10 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 Igc.value	1		
target Rte Call Sa MtrDrvDiag FetFlt2Clk OP GET signal	0		
target_rte_call_sa_MtrDrvDiag_NxtrDiagMgr_GetNTCFailed_NTCFailed_Ptr_T_lc	-		
target_Rte_Call_Sa_MtrDrvDiag_SystemTime_DtrmnElapsedTime_mS_u16_Elaps			
target_Rte_Call_Sa_MtrDrvDiag_SystemTime_DtrmnElapsedTime_uS_u16_Elapse			
target_Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_mS_u32_CurrentT			
target_Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32_CurrentTi			
target_rte_cair_sa_wtrDrvDiag_system*rime_setsystem*rime_us_usz_current*ri target_rte_inst_sa_mtrDrvDiag.MtrDrvDiag_Per1_FETFaultPhase_Cnt_enum	target_MtrDrvDiag_Per1_FETFaultPh	assa Cnt anum	
target Rte Inst Sa MtrDrvDiag.MtrDrvDiag Per1 FETFaultType Cnt enum	target_MtrDrvDiag_Per1_FETFaultTy		
target_rtte_inst_sa_MtrDrvDiag.MtrDrvDiag_Per1_GateDriveResetActive_Cnt_lgc	target MtrDrvDiag Per1 GateDriveR		
target_Rte_Inst_Sa_MtrDrvDiag.MtrDrvDiag_Per1_MtrDrvrInitComplete_Cnt_Igc	target_MtrDrvDiag_Per1_MtrDrvrInitC	*	
target_rite_inst_sa_MtrDrvDiag.MtrDrvDiag_ren_mitbNnintechipiete_cht_igc	target_MtrDrvDiag_Per1_MtrDrvrInitS		
			Danie
Name	Actual Value	Expected Value	Resu
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 SVDiag_MtrDadaitActive_Cnt_M_las	160	160 ± 1	
SVDiag_MtrDrvInitActive_Cnt_M_lgc SVDiag_MtrDrvInitActive_Cnt_M_lcc	1	0	
SVDiag_MtrDrvInitComp_Cnt_M_lgc			
SVDiag_MtrDrvInitStartTime_mS_M_u32p0	600000	600000 ± 1	
SVDiag_OnStateFitAcc_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	
	10,400	0x00	
Param Status	0x00 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_NxtrDiagMg	gr_GetNTCFailed_NTCFailed_Ptr_T_lgc	
$Rte_Call_Sa_MtrDrvDiag_SystemTime_DtrmnElapsedTime_mS_u16 (ElapsedTime)$	target_Rte_Call_Sa_MtrDrvDiag_SystemTim	e_DtrmnElapsedTime_mS_u16_ElapsedTime	
$Rte_Call_Sa_MtrDrvDiag_SystemTime_DtrmnElapsedTime_uS_u16 (ElapsedTime)$	target_Rte_Call_Sa_MtrDrvDiag_SystemTim	e_DtrmnElapsedTime_uS_u16_ElapsedTime	
Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_mS_u32(CurrentTime)	target_Rte_Call_Sa_MtrDrvDiag_SystemTim	e_GetSystemTime_mS_u32_CurrentTime	
Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32(CurrentTime)	target_Rte_Call_Sa_MtrDrvDiag_SystemTim	e_GetSystemTime_uS_u32_CurrentTime	
Rte_Inst_Sa_MtrDrvDiag	target_Rte_Inst_Sa_MtrDrvDiag		
SVDiag_FETFaultPhase_Cnt_M_enum	3		
SVDiag_FETFaultType_Cnt_M_enum	2		
SVDiag_GateDriveFltAcc_Cnt_M_u16	14000		
SVDiag_GenGateDriveFltAcc_Cnt_M_u16	170		
SVDiag_MtrDrvInitActive_Cnt_M_lgc	1		
SVDiag_MtrDrvInitComp_Cnt_M_lgc	1		
SVDiag_MtrDrvInitStartTime_mS_M_u32p0	700000		
SVDiag_OnStateFltAcc_Cnt_M_u16	65535		
SVDiag_ResetWaitLoop_Cnt_M_lgc	0		
k_GateDriveDiag_Cnt_str.Threshold	33333		
k_GateDriveDiag_Cnt_str.PStep	17000		
k_GateDriveDiag_Cnt_str.NStep	11110		
k_OnStateDiag_Cnt_str.Threshold	17000		
k_OnStateDiag_Cnt_str.PStep	30000		
k_OnStateDiag_Cnt_str.NStep	65535		
target_MtrDrvDiag_Per1_MtrDrvrInitStart_Cnt_lgc.value	1		
target_Rte_Call_Sa_MtrDrvDiag_FetFlt2Clk_OP_GET_signal	0		
target_Rte_Call_Sa_MtrDrvDiag_NxtrDiagMgr_GetNTCFailed_NTCFailed_Ptr_T_lgr	1		
target_Rte_Call_Sa_MtrDrvDiag_SystemTime_DtrmnElapsedTime_mS_u16_Elapse	56000		
target_Rte_Call_Sa_MtrDrvDiag_SystemTime_DtrmnElapsedTime_uS_u16_Elapse	5555		
target_Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_mS_u32_CurrentTi			
target_Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32_CurrentTir	2000000		
target_Rte_Inst_Sa_MtrDrvDiag.MtrDrvDiag_Per1_FETFaultPhase_Cnt_enum	target_MtrDrvDiag_Per1_FETFaultPhase_Cr	nt_enum	
target_Rte_Inst_Sa_MtrDrvDiag.MtrDrvDiag_Per1_FETFaultType_Cnt_enum	target_MtrDrvDiag_Per1_FETFaultType_Cnt	enum	
target_Rte_Inst_Sa_MtrDrvDiag.MtrDrvDiag_Per1_GateDriveResetActive_Cnt_lgc	target_MtrDrvDiag_Per1_GateDriveResetAct	ive_Cnt_lgc	
target_Rte_Inst_Sa_MtrDrvDiag.MtrDrvDiag_Per1_MtrDrvrInitComplete_Cnt_Igc	target_MtrDrvDiag_Per1_MtrDrvrInitComplet	e_Cnt_lgc	
target_Rte_Inst_Sa_MtrDrvDiag.MtrDrvDiag_Per1_MtrDrvrInitStart_Cnt_lgc	target_MtrDrvDiag_Per1_MtrDrvrInitStart_Cr	t_lgc	
Name	Actual Value	Expected Value	Result
SVDiag FETFaultPhase Cnt M enum	3	3	-
SVDiag FETFaultType Cnt M enum	2	2	-
SVDiag GateDriveFltAcc Cnt M u16	2890	2890 ± 1	-
SVDiag_GenGateDriveFltAcc_Cnt_M_u16	170	170 ± 1	-
	1	1	
SVDiag MtrDrvInitActive Cnt M lgc	1		_
SVDiag_MtrDrvInitActive_Cnt_M_lgc SVDiag_MtrDrvInitComp_Cnt_M_lgc	1	1	_
SVDiag_MtrDrvInitActive_Cnt_M_lgc SVDiag_MtrDrvInitComp_Cnt_M_lgc SVDiag_MtrDrvInitStartTime_mS_M_u32p0			•
SVDiag_MtrDrvInitComp_Cnt_M_Igc	1	1	~
SVDiag_MtrDrvInitComp_Cnt_M_lgc SVDiag_MtrDrvInitStartTime_mS_M_u32p0	1 700000	1 700000 ± 1	~
SVDiag_MtrDrvInitComp_Cnt_M_lgc SVDiag_MtrDrvInitStartTime_mS_M_u32p0 SVDiag_OnStateFltAcc_Cnt_M_u16	1 700000 0	1 700000 ± 1 0 ± 1	
SVDiag_MtrDrvInitComp_Cnt_M_lgc SVDiag_MtrDrvInitStartTime_mS_M_u32p0 SVDiag_OnStateFltAcc_Cnt_M_u16 SVDiag_ResetWaitLoop_Cnt_M_lgc target_MtrDrvDiag_Per1_FETFaultPhase_Cnt_enum.value	1 700000 0 0	1 700000 ± 1 0 ± 1 0	
SVDiag_MtrDrvInitComp_Cnt_M_lgc SVDiag_MtrDrvInitStartTime_mS_M_u32p0 SVDiag_OnStateFltAcc_Cnt_M_u16 SVDiag_ResetWaitLoop_Cnt_M_lgc target_MtrDrvDiag_Per1_FETFaultPhase_Cnt_enum.value target_MtrDrvDiag_Per1_FETFaultType_Cnt_enum.value	1 700000 0 0 3	1 700000 ± 1 0 ± 1 0 3	
SVDiag_MtrDrvInitComp_Cnt_M_lgc SVDiag_MtrDrvInitStartTime_mS_M_u32p0 SVDiag_OnStateFltAcc_Cnt_M_u16 SVDiag_ResetWaitLoop_Cnt_M_lgc target_MtrDrvDiag_Per1_FETFaultPhase_Cnt_enum.value target_MtrDrvDiag_Per1_FETFaultType_Cnt_enum.value target_MtrDrvDiag_Per1_GateDriveResetActive_Cnt_lgc.value	1 700000 0 0 3 2	1 700000 ± 1 0 ± 1 0 3 2	
SVDiag_MtrDrvInitComp_Cnt_M_lgc SVDiag_MtrDrvInitStartTime_mS_M_u32p0 SVDiag_OnStateFltAcc_Cnt_M_u16 SVDiag_ResetWaitLoop_Cnt_M_lgc target_MtrDrvDiag_Per1_FETFaultPhase_Cnt_enum.value target_MtrDrvDiag_Per1_FETFaultType_Cnt_enum.value target_MtrDrvDiag_Per1_GateDriveResetActive_Cnt_lgc.value target_MtrDrvDiag_Per1_MtrDrvrInitComplete_Cnt_lgc.value	1 700000 0 0 3 2	1 700000 ± 1 0 ± 1 0 3 2 0	
SVDiag_MtrDrvInitComp_Cnt_M_lgc SVDiag_MtrDrvInitStartTime_mS_M_u32p0 SVDiag_OnStateFltAcc_Cnt_M_u16 SVDiag_ResetWaitLoop_Cnt_M_lgc target_MtrDrvDiag_Per1_FETFaultPhase_Cnt_enum.value target_MtrDrvDiag_Per1_FETFaultType_Cnt_enum.value target_MtrDrvDiag_Per1_GateDriveResetActive_Cnt_lgc.value target_MtrDrvDiag_Per1_MtrDrvrInitComplete_Cnt_lgc.value NTC	1 700000 0 0 3 2 0 1 0x4D	1 700000 ± 1 0 ± 1 0 3 2 0 1 0x4D	
SVDiag_MtrDrvInitComp_Cnt_M_gc SVDiag_MtrDrvInitStartTime_mS_M_u32p0 SVDiag_OnStateFltAcc_Cnt_M_u16 SVDiag_ResetWaitLoop_Cnt_M_lgc target_MtrDrvDiag_Per1_FETFaultPhase_Cnt_enum.value target_MtrDrvDiag_Per1_FETFaultType_Cnt_enum.value target_MtrDrvDiag_Per1_GateDriveResetActive_Cnt_lgc.value target_MtrDrvDiag_Per1_MtrDrvrInitComplete_Cnt_lgc.value NTC Param	1	1 700000 ± 1 0 ± 1 0 3 2 0 1 1 0x4D 0x00	0
SVDiag_MtrDrvInitComp_Cnt_M_gc SVDiag_MtrDrvInitStartTime_mS_M_u32p0 SVDiag_OnStateFltAcc_Cnt_M_u16 SVDiag_ResetWaitLoop_Cnt_M_lgc target_MtrDrvDiag_Per1_FETFaultPhase_Cnt_enum.value target_MtrDrvDiag_Per1_FETFaultType_Cnt_enum.value target_MtrDrvDiag_Per1_GateDriveResetActive_Cnt_lgc.value target_MtrDrvDiag_Per1_MtrDrvrInitComplete_Cnt_lgc.value NTC Param Status	1 700000 0 0 3 2 0 1 0x4D 0x00 0x00	1 700000 ± 1 0 ± 1 0 3 2 0 1 0x4D 0x00 0x00	0
SVDiag_MtrDrvInitComp_Cnt_M_lgc SVDiag_MtrDrvInitStartTime_mS_M_u32p0 SVDiag_OnStateFltAcc_Cnt_M_u16 SVDiag_ResetWaitLoop_Cnt_M_lgc target_MtrDrvDiag_Per1_FETFaultPhase_Cnt_enum.value target_MtrDrvDiag_Per1_FETFaultType_Cnt_enum.value target_MtrDrvDiag_Per1_GateDriveResetActive_Cnt_lgc.value target_MtrDrvDiag_Per1_MtrDrvrInitComplete_Cnt_lgc.value NTC Param Status NTC	1 700000 0 0 0 3 2 2 0 1 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	1 700000 ± 1 0 ± 1 0 3 2 0 1 0×4D 0×00 0×00 0×0E	
SVDiag_MtrDrvInitComp_Cnt_M_lgc SVDiag_MtrDrvInitStartTime_mS_M_u32p0 SVDiag_OnStateFltAcc_Cnt_M_u16 SVDiag_ResetWaitLoop_Cnt_M_lgc target_MtrDrvDiag_Per1_FETFaultPhase_Cnt_enum.value target_MtrDrvDiag_Per1_FETFaultType_Cnt_enum.value target_MtrDrvDiag_Per1_GateDriveResetActive_Cnt_lgc.value target_MtrDrvDiag_Per1_MtrDrvrInitComplete_Cnt_lgc.value NTC Param Status NTC Param	1 700000 0 0 0 3 2 2 0 1 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	1 700000 ± 1 0 ± 1 0 3 2 0 1 0×4D 0×00 0×00 0×0E	
SVDiag_MtrDrvInitComp_Cnt_M_lgc SVDiag_MtrDrvInitStartTime_mS_M_u32p0 SVDiag_OnStateFltAcc_Cnt_M_u16 SVDiag_ResetWaitLoop_Cnt_M_lgc target_MtrDrvDiag_Per1_FETFaultPhase_Cnt_enum.value target_MtrDrvDiag_Per1_FETFaultType_Cnt_enum.value target_MtrDrvDiag_Per1_GateDriveResetActive_Cnt_lgc.value target_MtrDrvDiag_Per1_MtrDrvrInitComplete_Cnt_lgc.value NTC Param Status NTC Param Status	1	1 700000 ± 1 0 ± 1 0 3 2 0 1 0×4D 0×00 0×00 0×0E 0×00 0×00 0×0E	
SVDiag_MtrDrvInitComp_Cnt_M_lgc SVDiag_MtrDrvInitStartTime_mS_M_u32p0 SVDiag_OnStateFltAcc_Cnt_M_u16 SVDiag_ResetWaitLoop_Cnt_M_lgc target_MtrDrvDiag_Per1_FETFaultPhase_Cnt_enum.value target_MtrDrvDiag_Per1_FETFaultType_Cnt_enum.value target_MtrDrvDiag_Per1_GateDriveResetActive_Cnt_lgc.value target_MtrDrvDiag_Per1_MtrDrvrInitComplete_Cnt_lgc.value NTC Param Status NTC Param	1 700000 0 0 0 3 2 2 0 1 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	1 700000 ± 1 0 ± 1 0 3 2 0 1 0×4D 0×00 0×00 0×0E	

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

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 NxtrDiagMg		
Rte_Call_Sa_MtrDrvDiag_SystemTime_DtrmnElapsedTime_mS_u16(ElapsedTime)		e_DtrmnElapsedTime_mS_u16_ElapsedTime	
Rte_Call_Sa_MtrDrvDiag_SystemTime_DtrmnElapsedTime_uS_u16(ElapsedTime)	target Rte Call Sa MtrDrvDiag SystemTim		
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		
,	20100		
SVDiag_OnStateFltAcc_Cnt_M_u16 SVDiag_RecetWaitLoop_Cnt_M_lac	0		
SVDiag_ResetWaitLoop_Cnt_M_lgc	55555		
k_GateDriveDiag_Cnt_str.Threshold			
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_lgr			
target_Rte_Call_Sa_MtrDrvDiag_SystemTime_DtrmnElapsedTime_mS_u16_Elapse			
target_Rte_Call_Sa_MtrDrvDiag_SystemTime_DtrmnElapsedTime_uS_u16_Elapse			
target_Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_mS_u32_CurrentTi			
target_Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32_CurrentTir			
target_Rte_Inst_Sa_MtrDrvDiag.MtrDrvDiag_Per1_FETFaultPhase_Cnt_enum	target_MtrDrvDiag_Per1_FETFaultPhase_Cr	_	
target_Rte_Inst_Sa_MtrDrvDiag.MtrDrvDiag_Per1_FETFaultType_Cnt_enum	target_MtrDrvDiag_Per1_FETFaultType_Cnt	_enum	
target_Rte_Inst_Sa_MtrDrvDiag.MtrDrvDiag_Per1_GateDriveResetActive_Cnt_lgc	target_MtrDrvDiag_Per1_GateDriveResetAct	ive_Cnt_lgc	
target_Rte_Inst_Sa_MtrDrvDiag.MtrDrvDiag_Per1_MtrDrvrInitComplete_Cnt_Igc	target_MtrDrvDiag_Per1_MtrDrvrInitComplete	e_Cnt_lgc	
target_Rte_Inst_Sa_MtrDrvDiag.MtrDrvDiag_Per1_MtrDrvrInitStart_Cnt_lgc	target_MtrDrvDiag_Per1_MtrDrvrInitStart_Cn	t_lgc	
Name	Actual Value	Expected Value	Result
SVDiag_FETFaultPhase_Cnt_M_enum	3	3	-
SVDiag_FETFaultType_Cnt_M_enum	2	2	•
SVDiag_GateDriveFltAcc_Cnt_M_u16	16000	16000 ± 1	-
SVDiag_GenGateDriveFltAcc_Cnt_M_u16	190	190 ± 1	•
SVDiag_MtrDrvInitActive_Cnt_M_lgc	1	1	-
SVDiag_MtrDrvInitComp_Cnt_M_lgc	1	1	•
SVDiag_MtrDrvInitStartTime_mS_M_u32p0	900000	900000 ± 1	-
SVDiag_OnStateFltAcc_Cnt_M_u16	19000	19000 ± 1	•
SVDiag_ResetWaitLoop_Cnt_M_lgc	0	0	•
target_MtrDrvDiag_Per1_FETFaultPhase_Cnt_enum.value	3	3	•
target_MtrDrvDiag_Per1_FETFaultType_Cnt_enum.value	2	2	
target_MtrDrvDiag_Per1_GateDriveResetActive_Cnt_lgc.value	1	1	•
target_MtrDrvDiag_Per1_MtrDrvrInitComplete_Cnt_lgc.value	1	1	
NTC	0x4C	0x4C	•
Param	0x01	0x01	
Status	0x01	0x01	•

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Actual Function		Expected Function		Result
Rte_Call_MtrDrvDiag_Per1_CP0_CheckpointReached	1	Rte_Call_MtrDrvDiag_Per1_CP0_CheckpointReached	1	~
Rte_Call_Sa_MtrDrvDiag_FetFlt1Data_OP_GET	1	Rte_Call_Sa_MtrDrvDiag_FetFlt1Data_OP_GET	1	~
Rte_Call_Sa_MtrDrvDiag_FetFlt2Clk_OP_GET Rte_Call_Sa_MtrDrvDiag_NxtrDiagMgr_SetNTCStatus	1	Rte_Call_Sa_MtrDrvDiag_FetFlt2Clk_OP_GET Rte_Call_Sa_MtrDrvDiag_NxtrDiagMgr_SetNTCStatus	1	~
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_loHwAbPortConfig_SetFetFlt2ToOutput	1	Rte_Call_Sa_MtrDrvDiag_loHwAbPortConfig_SetFetFlt2ToOutput	1	•
Rte_Call_Sa_MtrDrvDiag_FetFlt2Clk_OP_SET	1	Rte_Call_Sa_MtrDrvDiag_FetFlt2Clk_OP_SET	1	~
GateDrvWaitTime	1	GateDrvWaitTime	1	~
Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32	1	Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32	1	~
Rte_Call_Sa_MtrDrvDiag_SystemTime_DtrmnElapsedTime_uS_u16	1	Rte_Call_Sa_MtrDrvDiag_SystemTime_DtrmnElapsedTime_uS_u16	1	~
Rte_Call_Sa_MtrDrvDiag_FetFlt1Data_OP_GET	1	Rte_Call_Sa_MtrDrvDiag_FetFlt1Data_OP_GET	1	
Rte_Call_Sa_MtrDrvDiag_FetFlt2Clk_OP_SET	1	Rte_Call_Sa_MtrDrvDiag_FetFlt2Clk_OP_SET	1	~
GateDrvWaitTime Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32	1	GateDrvWaitTime Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32	1	~
Rte_Call_Sa_MtrDrvDiag_SystemTime_DtrmnElapsedTime_uS_u16	1	Rte_Call_Sa_MtrDrvDiag_SystemTime_Us_us_us6	1	
Rte_Call_Sa_MtrDrvDiag_FetFlt2Clk_OP_SET	1	Rte_Call_Sa_MtrDrvDiag_FetFlt2Clk_OP_SET	1	-
GateDrvWaitTime	1	GateDrvWaitTime	1	-
Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32	1	Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32	1	•
Rte_Call_Sa_MtrDrvDiag_SystemTime_DtrmnElapsedTime_uS_u16	1	Rte_Call_Sa_MtrDrvDiag_SystemTime_DtrmnElapsedTime_uS_u16	1	~
Rte_Call_Sa_MtrDrvDiag_FetFlt1Data_OP_GET	1	Rte_Call_Sa_MtrDrvDiag_FetFlt1Data_OP_GET	1	~
Rte_Call_Sa_MtrDrvDiag_FetFlt2Clk_OP_SET	1	Rte_Call_Sa_MtrDrvDiag_FetFlt2Clk_OP_SET	1	~
GateDrvWaitTime	1	GateDrvWaitTime	1	~
Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32	1	Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32	1	•
Rte_Call_Sa_MtrDrvDiag_SystemTime_DtrmnElapsedTime_uS_u16	1	Rte_Call_Sa_MtrDrvDiag_SystemTime_DtrmnElapsedTime_uS_u16	1	~
Rte_Call_Sa_MtrDrvDiag_FetFlt2Clk_OP_SET	1	Rte_Call_Sa_MtrDrvDiag_FetFlt2Clk_OP_SET	1	~
GateDrvWaitTime	1	GateDrvWaitTime	1	V
Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32	1	Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32	1	*
Rte_Call_Sa_MtrDrvDiag_SystemTime_DtrmnElapsedTime_uS_u16 Rte_Call_Sa_MtrDrvDiag_FetFlt1Data_OP_GET	1	Rte_Call_Sa_MtrDrvDiag_SystemTime_DtrmnElapsedTime_uS_u16 Rte_Call_Sa_MtrDrvDiag_FetFlt1Data_OP_GET	1	
Rte_Call_Sa_MtrDrvDiag_FetFlt2Clk_OP_SET	1	Rte_Call_Sa_MtrDrvDiag_FetFlt2Clk_OP_SET	1	-
GateDrvWaitTime	1	GateDrvWaitTime	1	-
Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32	1	Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32	1	•
Rte_Call_Sa_MtrDrvDiag_SystemTime_DtrmnElapsedTime_uS_u16	1	Rte_Call_Sa_MtrDrvDiag_SystemTime_DtrmnElapsedTime_uS_u16	1	~
Rte_Call_Sa_MtrDrvDiag_FetFlt2Clk_OP_SET	1	Rte_Call_Sa_MtrDrvDiag_FetFlt2Clk_OP_SET	1	~
GateDrvWaitTime	1	GateDrvWaitTime	1	~
Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32	1	Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32	1	~
Rte_Call_Sa_MtrDrvDiag_SystemTime_DtrmnElapsedTime_uS_u16	1	Rte_Call_Sa_MtrDrvDiag_SystemTime_DtrmnElapsedTime_uS_u16	1	~
Rte_Call_Sa_MtrDrvDiag_FetFlt1Data_OP_GET	1	Rte_Call_Sa_MtrDrvDiag_FetFlt1Data_OP_GET	1	~
Rte_Call_Sa_MtrDrvDiag_FetFlt2Clk_OP_SET	1	Rte_Call_Sa_MtrDrvDiag_FetFlt2Clk_OP_SET	1	· ·
GateDrvWaitTime Rto Call So MtrDrvDing SystemTime CotSystemTime us us 22	1	GateDrvWaitTime Pto Call So MtrDrvDing SystemTime CotSystemTime us us use	1	
Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32 Rte_Call_Sa_MtrDrvDiag_SystemTime_DtrmnElapsedTime_uS_u16	1	Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32 Rte_Call_Sa_MtrDrvDiag_SystemTime_DtrmnElapsedTime_uS_u16	1	~
Rte_Call_Sa_MtrDrvDiag_FetFlt2Clk_OP_SET	1	Rte_Call_Sa_MtrDrvDiag_FetFlt2Clk_OP_SET	1	
GateDrvWaitTime	1	GateDrvWaitTime	1	~
Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32	1	Rte Call Sa MtrDrvDiag SystemTime GetSystemTime uS u32	1	-
Rte_Call_Sa_MtrDrvDiag_SystemTime_DtrmnElapsedTime_uS_u16	1	Rte_Call_Sa_MtrDrvDiag_SystemTime_DtrmnElapsedTime_uS_u16	1	•
Rte_Call_Sa_MtrDrvDiag_FetFlt1Data_OP_GET	1	Rte_Call_Sa_MtrDrvDiag_FetFlt1Data_OP_GET	1	~
Rte_Call_Sa_MtrDrvDiag_FetFlt2Clk_OP_SET	1	Rte_Call_Sa_MtrDrvDiag_FetFlt2Clk_OP_SET	1	•
GateDrvWaitTime	1	GateDrvWaitTime	1	~
Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32	1	Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32	1	~
Rte_Call_Sa_MtrDrvDiag_SystemTime_DtrmnElapsedTime_uS_u16	1	Rte_Call_Sa_MtrDrvDiag_SystemTime_DtrmnElapsedTime_uS_u16	1	~
Rte_Call_Sa_MtrDrvDiag_FetFlt2Clk_OP_SET	1	Rte_Call_Sa_MtrDrvDiag_FetFlt2Clk_OP_SET	1	V
GateDrvWaitTime Rte Call Sa MtrDrvDiag SystemTime GetSystemTime uS u32	1	GateDrvWaitTime Pto Call Sa MtrDovDiag SystemTime CotSystemTime u.S. u.32	1	V
Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32 Rte_Call_Sa_MtrDrvDiag_SystemTime_DtrmnElapsedTime_uS_u16	1	Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32 Rte_Call_Sa_MtrDrvDiag_SystemTime_DtrmnElapsedTime_uS_u16	1	~
Rte_Call_Sa_MtrDrvDiag_SystemTime_Dtrimie_lapsedTime_us_u16 Rte_Call_Sa_MtrDrvDiag_FetFlt1Data_OP_GET	1	Rte Call Sa MtrDrvDiag System line Diffine lapsed fine us_u16 Rte Call Sa MtrDrvDiag FetFlt1Data OP GET	1	~
Rte_Call_Sa_MtrDrvDiag_FetFlt2Clk_OP_SET	1	Rte_Call_Sa_MtrDrvDiag_FetFlt2Clk_OP_SET	1	
GateDrvWaitTime	1	GateDrvWaitTime	1	~
Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32	1	Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32	1	~
Rte_Call_Sa_MtrDrvDiag_SystemTime_DtrmnElapsedTime_uS_u16	1	Rte_Call_Sa_MtrDrvDiag_SystemTime_DtrmnElapsedTime_uS_u16	1	~
Rte_Call_Sa_MtrDrvDiag_FetFlt2Clk_OP_SET	1	Rte_Call_Sa_MtrDrvDiag_FetFlt2Clk_OP_SET	1	~
GateDrvWaitTime	1	GateDrvWaitTime	1	~
Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32	1	Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32	1	~
Rte_Call_Sa_MtrDrvDiag_SystemTime_DtrmnElapsedTime_uS_u16	1	Rte_Call_Sa_MtrDrvDiag_SystemTime_DtrmnElapsedTime_uS_u16	1	~
Rte_Call_Sa_MtrDrvDiag_FetFlt1Data_OP_GET	1	Rte_Call_Sa_MtrDrvDiag_FetFlt1Data_OP_GET	1	~
Rte_Call_Sa_MtrDrvDiag_FetFlt2Clk_OP_SET	1	Rte_Call_Sa_MtrDrvDiag_FetFlt2Clk_OP_SET	1	V
GateDrvWaitTime Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32	1	GateDrvWaitTime Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32	1	Y
Rte_Call_Sa_MtrDrvDiag_SystemTime_DtrmnElapsedTime_uS_u16	1	Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_us_us2 Rte_Call_Sa_MtrDrvDiag_SystemTime_DtrmnElapsedTime_uS_u16	1	Ž
	1.		1.1	_
Rte_Call_Sa_MtrDrvDiag_FetFlt2Clk_OP_SET	1	Rte_Call_Sa_MtrDrvDiag_FetFlt2Clk_OP_SET	1	✓





Actual Function	Count	Expected Function	Count	Result
Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32	1	Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32	1	~
Rte_Call_Sa_MtrDrvDiag_SystemTime_DtrmnElapsedTime_uS_u16	1	Rte_Call_Sa_MtrDrvDiag_SystemTime_DtrmnElapsedTime_uS_u16	1	~
Rte_Call_Sa_MtrDrvDiag_FetFlt1Data_OP_GET	1	Rte_Call_Sa_MtrDrvDiag_FetFlt1Data_OP_GET	1	•
Rte_Call_Sa_MtrDrvDiag_FetFlt2Clk_OP_SET	1	Rte_Call_Sa_MtrDrvDiag_FetFlt2Clk_OP_SET	1	~
GateDrvWaitTime	1	GateDrvWaitTime	1	~
Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32	1	Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32	1	-
Rte_Call_Sa_MtrDrvDiag_SystemTime_DtrmnElapsedTime_uS_u16	1	Rte_Call_Sa_MtrDrvDiag_SystemTime_DtrmnElapsedTime_uS_u16	1	•
Rte_Call_Sa_MtrDrvDiag_FetFlt2Clk_OP_SET	1	Rte_Call_Sa_MtrDrvDiag_FetFlt2Clk_OP_SET	1	~
GateDrvWaitTime	1	GateDrvWaitTime	1	•
Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32	1	Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32	1	~
Rte_Call_Sa_MtrDrvDiag_SystemTime_DtrmnElapsedTime_uS_u16	1	Rte_Call_Sa_MtrDrvDiag_SystemTime_DtrmnElapsedTime_uS_u16	1	~
Rte_Call_Sa_MtrDrvDiag_FetFlt1Data_OP_GET	1	Rte_Call_Sa_MtrDrvDiag_FetFlt1Data_OP_GET	1	~
Rte_Call_Sa_MtrDrvDiag_FetFlt2Clk_OP_SET	1	Rte_Call_Sa_MtrDrvDiag_FetFlt2Clk_OP_SET	1	~
GateDrvWaitTime	1	GateDrvWaitTime	1	-
Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32	1	Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32	1	~
Rte_Call_Sa_MtrDrvDiag_SystemTime_DtrmnElapsedTime_uS_u16	1	Rte_Call_Sa_MtrDrvDiag_SystemTime_DtrmnElapsedTime_uS_u16	1	~
Rte_Call_Sa_MtrDrvDiag_FetFlt2Clk_OP_SET	1	Rte_Call_Sa_MtrDrvDiag_FetFlt2Clk_OP_SET	1	~
GateDrvWaitTime	1	GateDrvWaitTime	1	~
Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32	1	Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32	1	✓
Rte_Call_Sa_MtrDrvDiag_SystemTime_DtrmnElapsedTime_uS_u16	1	Rte_Call_Sa_MtrDrvDiag_SystemTime_DtrmnElapsedTime_uS_u16	1	•
Rte_Call_Sa_MtrDrvDiag_FetFlt1Data_OP_GET	1	Rte_Call_Sa_MtrDrvDiag_FetFlt1Data_OP_GET	1	•
Rte_Call_Sa_MtrDrvDiag_FetFlt2Clk_OP_SET	1	Rte_Call_Sa_MtrDrvDiag_FetFlt2Clk_OP_SET	1	•
GateDrvWaitTime	1	GateDrvWaitTime	1	•
Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32	1	Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_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	
$target_Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_mS_u32_CurrentTime_mS_u32_CurrentTime_mS_u32_CurrentTime_mS_u32_CurrentTime_mS_u32_CurrentTime_mS_u33_Curren$	4000000	
target Rte Call Sa MtrDrvDiag SystemTime GetSystemTime uS u32 CurrentTire	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_Igc	target_MtrDrvDiag_Per1_MtrDrvrInitComplet	e_Cnt_lgc	
target_Rte_Inst_Sa_MtrDrvDiag.MtrDrvDiag_Per1_MtrDrvrInitStart_Cnt_Igc	target_MtrDrvDiag_Per1_MtrDrvrInitStart_Cr	nt_lgc	
Name	Actual Value	Expected Value	Result
SVDiag_FETFaultPhase_Cnt_M_enum	1	1	~
SVDiag_FETFaultType_Cnt_M_enum	1	1	•
SVDiag_GateDriveFltAcc_Cnt_M_u16	17000	17000 ± 1	•
SVDiag_GenGateDriveFltAcc_Cnt_M_u16	85	85 ± 1	•
SVDiag_MtrDrvInitActive_Cnt_M_lgc	1	1	•
SVDiag_MtrDrvInitComp_Cnt_M_lgc	1	1	~
SVDiag_MtrDrvInitStartTime_mS_M_u32p0	1000000	1000000 ± 1	~
SVDiag_OnStateFltAcc_Cnt_M_u16	21100	21100 ± 1	•
SVDiag_ResetWaitLoop_Cnt_M_lgc	0	0	~
target_MtrDrvDiag_Per1_FETFaultPhase_Cnt_enum.value	1	1	•
target_MtrDrvDiag_Per1_FETFaultType_Cnt_enum.value	1	1	•
target_MtrDrvDiag_Per1_GateDriveResetActive_Cnt_lgc.value	0	0	~
target_MtrDrvDiag_Per1_MtrDrvrInitComplete_Cnt_lgc.value	1	1	~

Τ						
Actual Function	Count	Expected Function	Count	Result		
Rte_Call_MtrDrvDiag_Per1_CP0_CheckpointReached	1	Rte_Call_MtrDrvDiag_Per1_CP0_CheckpointReached	1	~		
ResetGateDrive	1	ResetGateDrive	1	•		
SuspendAllInterrupts	1	SuspendAllInterrupts	1	•		
Rte_Call_Sa_MtrDrvDiag_FetDrvReset_OP_SET	1	Rte_Call_Sa_MtrDrvDiag_FetDrvReset_OP_SET	1	•		
GateDrvWaitTime	1	GateDrvWaitTime	1	~		
Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32	1	Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32	1	~		
Rte_Call_Sa_MtrDrvDiag_SystemTime_DtrmnElapsedTime_uS_u16	1	Rte_Call_Sa_MtrDrvDiag_SystemTime_DtrmnElapsedTime_uS_u16	1	~		
Rte_Call_Sa_MtrDrvDiag_FetDrvReset_OP_SET	1	Rte_Call_Sa_MtrDrvDiag_FetDrvReset_OP_SET	1	•		
ResumeAllInterrupts	1	ResumeAllInterrupts	1	~		
Rte_Call_MtrDrvDiag_Per1_CP1_CheckpointReached	1	Rte_Call_MtrDrvDiag_Per1_CP1_CheckpointReached	1	~		

Name	Input Value		
Rte Call Sa MtrDrvDiag FetFlt2Clk OP GET(signal)	target Rte Call Sa MtrDrvDiag FetFlt2Clk	OP GET signal	
Rte Call Sa MtrDrvDiag NxtrDiagMgr GetNTCFailed(NTCFailed Ptr T lgc)	target Rte Call Sa MtrDrvDiag NxtrDiagM	,	
Rte Call Sa MtrDrvDiag SystemTime DtrmnElapsedTime mS u16(ElapsedTime)	target Rte Call Sa MtrDrvDiag SystemTim	ne DtrmnElapsedTime mS u16 ElapsedTim	ne
Rte Call Sa MtrDrvDiag SystemTime DtrmnElapsedTime uS u16(ElapsedTime)	target Rte Call Sa MtrDrvDiag SystemTim	ne DtrmnElapsedTime uS u16 ElapsedTime	е
Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_mS_u32(CurrentTime)	target_Rte_Call_Sa_MtrDrvDiag_SystemTim	ie_GetSystemTime_mS_u32_CurrentTime	
Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32(CurrentTime)	target_Rte_Call_Sa_MtrDrvDiag_SystemTim	ne_GetSystemTime_uS_u32_CurrentTime	
Rte_Inst_Sa_MtrDrvDiag	target_Rte_Inst_Sa_MtrDrvDiag		
SVDiag_FETFaultPhase_Cnt_M_enum	2		
SVDiag_FETFaultType_Cnt_M_enum	2		
SVDiag_GateDriveFltAcc_Cnt_M_u16	30000		
SVDiag_GenGateDriveFltAcc_Cnt_M_u16	115		
SVDiag_MtrDrvInitActive_Cnt_M_lgc	1		
SVDiag_MtrDrvInitComp_Cnt_M_lgc	1		
SVDiag_MtrDrvInitStartTime_mS_M_u32p0	1321		
SVDiag_OnStateFltAcc_Cnt_M_u16	3333		
SVDiag_ResetWaitLoop_Cnt_M_lgc	0		
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_lgr	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		
$target_Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32_CurrentTire_uS_u32_CurrentTire_uS_u32_CurrentTire_uS_u32_CurrentTire_uS_u32_CurrentTire_uS_u32_CurrentTire_uS_u32_CurrentTire_uS_u32_CurrentTire_uS_u32_CurrentTire_uS_u32_CurrentTire_uS_u33_Curren$	300000		
target_Rte_Inst_Sa_MtrDrvDiag.MtrDrvDiag_Per1_FETFaultPhase_Cnt_enum	target_MtrDrvDiag_Per1_FETFaultPhase_Ci	nt_enum	
target_Rte_Inst_Sa_MtrDrvDiag.MtrDrvDiag_Per1_FETFaultType_Cnt_enum	target_MtrDrvDiag_Per1_FETFaultType_Cnt_enum		
target_Rte_Inst_Sa_MtrDrvDiag.MtrDrvDiag_Per1_GateDriveResetActive_Cnt_lgc	target_MtrDrvDiag_Per1_GateDriveResetAc	tive_Cnt_lgc	
target_Rte_Inst_Sa_MtrDrvDiag.MtrDrvDiag_Per1_MtrDrvrInitComplete_Cnt_Igc	target_MtrDrvDiag_Per1_MtrDrvrInitComplete_Cnt_lgc		
target_Rte_Inst_Sa_MtrDrvDiag.MtrDrvDiag_Per1_MtrDrvrInitStart_Cnt_Igc	target_MtrDrvDiag_Per1_MtrDrvrInitStart_Cr	nt_lgc	
Name	Actual Value	Expected Value	Resul
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_NxtrDiagMe	gr_GetNTCFailed_NTCFailed_Ptr_T_lgc	
$Rte_Call_Sa_MtrDrvDiag_SystemTime_DtrmnElapsedTime_mS_u16(ElapsedTime)$	target_Rte_Call_Sa_MtrDrvDiag_SystemTim	e_DtrmnElapsedTime_mS_u16_ElapsedTim	е
Rte_Call_Sa_MtrDrvDiag_SystemTime_DtrmnElapsedTime_uS_u16(ElapsedTime)	target_Rte_Call_Sa_MtrDrvDiag_SystemTim	e_DtrmnElapsedTime_uS_u16_ElapsedTime	•
Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_mS_u32(CurrentTime)	target_Rte_Call_Sa_MtrDrvDiag_SystemTim	e_GetSystemTime_mS_u32_CurrentTime	
Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32(CurrentTime)	target_Rte_Call_Sa_MtrDrvDiag_SystemTim	e_GetSystemTime_uS_u32_CurrentTime	
Rte_Inst_Sa_MtrDrvDiag	target_Rte_Inst_Sa_MtrDrvDiag		
SVDiag_FETFaultPhase_Cnt_M_enum	3		
SVDiag_FETFaultType_Cnt_M_enum	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		
_GateDriveDiag_Cnt_str.Threshold	4000		
c_GateDriveDiag_Cnt_str.PStep	20000		
_GateDriveDiag_Cnt_str.NStep	44440		
<pre>c_OnStateDiag_Cnt_str.Threshold</pre>	4444		
C_OnStateDiag_Cnt_str.PStep	14000		
C_OnStateDiag_Cnt_str.NStep	4000		
arget_MtrDrvDiag_Per1_MtrDrvrInitStart_Cnt_lgc.value	1		
arget_Rte_Call_Sa_MtrDrvDiag_FetFlt2Clk_OP_GET_signal	1		
arget_Rte_Call_Sa_MtrDrvDiag_NxtrDiagMgr_GetNTCFailed_NTCFailed_Ptr_T_lgr	0		
arget Rte Call Sa MtrDrvDiag SystemTime DtrmnElapsedTime mS u16 Elapse	8000		
arget_Rte_Call_Sa_MtrDrvDiag_SystemTime_DtrmnElapsedTime_uS_u16_Elapse	14100		
arget_Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_mS_u32_CurrentTi	50000000		
arget_Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32_CurrentTir	400000		
arget_Rte_Inst_Sa_MtrDrvDiag.MtrDrvDiag_Per1_FETFaultPhase_Cnt_enum	target_MtrDrvDiag_Per1_FETFaultPhase_Ci	nt_enum	
arget_Rte_Inst_Sa_MtrDrvDiag.MtrDrvDiag_Per1_FETFaultType_Cnt_enum	target_MtrDrvDiag_Per1_FETFaultType_Cnt		
arget_Rte_Inst_Sa_MtrDrvDiag.MtrDrvDiag_Per1_GateDriveResetActive_Cnt_Igc	target_MtrDrvDiag_Per1_GateDriveResetAct	tive Cnt Igc	
arget_Rte_Inst_Sa_MtrDrvDiag.MtrDrvDiag_Per1_MtrDrvrInitComplete_Cnt_Igc	target_MtrDrvDiag_Per1_MtrDrvrInitComplet		
target_Rte_Inst_Sa_MtrDrvDiag.MtrDrvDiag_Per1_MtrDrvrInitStart_Cnt_lgc	target_MtrDrvDiag_Per1_MtrDrvrInitStart_Cr		
Name	Actual Value	Expected Value	Resu
SVDiag FETFaultPhase Cnt M enum	3	3	
SVDiag FETFaultType Cnt M enum	2	2	
SVDiag GateDriveFltAcc Cnt M u16	4000	4000 ± 1	
SVDiag GenGateDriveFltAcc Cnt M u16	178	178 ± 1	

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Name	Actual Value	Expected Value	Result
SVDiag_MtrDrvInitActive_Cnt_M_lgc	0	0	~
SVDiag_MtrDrvInitComp_Cnt_M_lgc	1	1	•
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		Expected Function		Result
Rte_Call_MtrDrvDiag_Per1_CP0_CheckpointReached	1	Rte_Call_MtrDrvDiag_Per1_CP0_CheckpointReached	1	~
Rte_Call_Sa_MtrDrvDiag_FetFlt1Data_OP_GET	1	Rte_Call_Sa_MtrDrvDiag_FetFlt1Data_OP_GET	1	~
Rte_Call_Sa_MtrDrvDiag_FetFlt2Clk_OP_GET Rte_Call_Sa_MtrDrvDiag_NxtrDiagMgr_SetNTCStatus	1	Rte_Call_Sa_MtrDrvDiag_FetFlt2Clk_OP_GET Rte_Call_Sa_MtrDrvDiag_NxtrDiagMgr_SetNTCStatus	1	*
ProcGateDriveFlt	1	ProcGateDriveFit	1	-
Rte_Call_Sa_MtrDrvDiag_NxtrDiagMgr_SetNTCStatus	1	Rte Call Sa MtrDrvDiag NxtrDiagMgr SetNTCStatus	1	-
ReadMtrDrvFltData	1	ReadMtrDrvFltData	1	-
Rte_Call_Sa_MtrDrvDiag_IoHwAbPortConfig_SetFetFlt2ToOutput	1	Rte_Call_Sa_MtrDrvDiag_loHwAbPortConfig_SetFetFlt2ToOutput	1	•
Rte_Call_Sa_MtrDrvDiag_FetFlt2Clk_OP_SET	1	Rte_Call_Sa_MtrDrvDiag_FetFlt2Clk_OP_SET	1	~
GateDrvWaitTime	1	GateDrvWaitTime	1	~
Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32	1	Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32	1	~
Rte_Call_Sa_MtrDrvDiag_SystemTime_DtrmnElapsedTime_uS_u16	1	Rte_Call_Sa_MtrDrvDiag_SystemTime_DtrmnElapsedTime_uS_u16	1	~
Rte_Call_Sa_MtrDrvDiag_FetFlt1Data_OP_GET	1	Rte_Call_Sa_MtrDrvDiag_FetFlt1Data_OP_GET	1	
Rte_Call_Sa_MtrDrvDiag_FetFlt2Clk_OP_SET	1	Rte_Call_Sa_MtrDrvDiag_FetFlt2Clk_OP_SET	1	V
GateDrvWaitTime Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32	1	GateDrvWaitTime Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32	1	✓ ✓
Rte_Call_Sa_MtrDrvDiag_SystemTime_DtrmnElapsedTime_uS_u16	1	Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32 Rte_Call_Sa_MtrDrvDiag_SystemTime_DtrmnElapsedTime_uS_u16	1	
Rte_Call_Sa_MtrDrvDiag_FetFlt2Clk_OP_SET	1	Rte_Call_Sa_MtrDrvDiag_FetFlt2Clk_OP_SET	1	-
GateDrvWaitTime	1	GateDrvWaitTime	1	-
Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32	1	Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32	1	✓
Rte_Call_Sa_MtrDrvDiag_SystemTime_DtrmnElapsedTime_uS_u16	1	Rte_Call_Sa_MtrDrvDiag_SystemTime_DtrmnElapsedTime_uS_u16	1	~
Rte_Call_Sa_MtrDrvDiag_FetFlt1Data_OP_GET	1	Rte_Call_Sa_MtrDrvDiag_FetFlt1Data_OP_GET	1	~
Rte_Call_Sa_MtrDrvDiag_FetFlt2Clk_OP_SET	1	Rte_Call_Sa_MtrDrvDiag_FetFlt2Clk_OP_SET	1	~
GateDrvWaitTime	1	GateDrvWaitTime	1	~
Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32	1	Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32	1	~
Rte_Call_Sa_MtrDrvDiag_SystemTime_DtrmnElapsedTime_uS_u16	1	Rte_Call_Sa_MtrDrvDiag_SystemTime_DtrmnElapsedTime_uS_u16	1	~
Rte_Call_Sa_MtrDrvDiag_FetFlt2Clk_OP_SET	1	Rte_Call_Sa_MtrDrvDiag_FetFlt2Clk_OP_SET	1	*
GateDrvWaitTime Pto Coll So MtrDn/Diog SystemTime CotSystemTime u.S. u.22	1	GateDrvWaitTime	1	
Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32 Rte_Call_Sa_MtrDrvDiag_SystemTime_DtrmnElapsedTime_uS_u16	1	Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32 Rte_Call_Sa_MtrDrvDiag_SystemTime_DtrmnElapsedTime_uS_u16	1	~
Rte_Call_Sa_MtrDrvDiag_FetFlt1Data_OP_GET	1	Rte_Call_Sa_MtrDrvDiag_FetFlt1Data_OP_GET	1	
Rte_Call_Sa_MtrDrvDiag_FetFlt2Clk_OP_SET	1	Rte_Call_Sa_MtrDrvDiag_FetFlt2Clk_OP_SET	1	~
GateDrvWaitTime	1	GateDryWaitTime	1	_
Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32	1	Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32	1	✓
Rte_Call_Sa_MtrDrvDiag_SystemTime_DtrmnElapsedTime_uS_u16	1	Rte_Call_Sa_MtrDrvDiag_SystemTime_DtrmnElapsedTime_uS_u16	1	~
Rte_Call_Sa_MtrDrvDiag_FetFlt2Clk_OP_SET	1	Rte_Call_Sa_MtrDrvDiag_FetFlt2Clk_OP_SET	1	~
GateDrvWaitTime	1	GateDrvWaitTime	1	~
Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32	1	Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32	1	~
Rte_Call_Sa_MtrDrvDiag_SystemTime_DtrmnElapsedTime_uS_u16	1	Rte_Call_Sa_MtrDrvDiag_SystemTime_DtrmnElapsedTime_uS_u16	1	~
Rte_Call_Sa_MtrDrvDiag_FetFlt1Data_OP_GET	1	Rte_Call_Sa_MtrDrvDiag_FetFlt1Data_OP_GET	1	~
Rte_Call_Sa_MtrDrvDiag_FetFlt2Clk_OP_SET	1	Rte_Call_Sa_MtrDrvDiag_FetFlt2Clk_OP_SET	1	✓
GateDrvWaitTime Rte Call Sa MtrDrvDiag SystemTime GetSystemTime uS u32	1	GateDrvWaitTime Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32	1	
Rte_Call_Sa_MtrDrvDiag_SystemTime_DtrmnElapsedTime_uS_u16	1	Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32	1	-
Rte_Call_Sa_MtrDrvDiag_FetFlt2Clk_OP_SET	1	Rte_Call_Sa_MtrDrvDiag_FetFlt2Clk_OP_SET	1	
GateDrvWaitTime	1	GateDrvWaitTime	1	~
Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32	1	Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32	1	~
Rte_Call_Sa_MtrDrvDiag_SystemTime_DtrmnElapsedTime_uS_u16	1	Rte_Call_Sa_MtrDrvDiag_SystemTime_DtrmnElapsedTime_uS_u16	1	~
Rte_Call_Sa_MtrDrvDiag_FetFlt1Data_OP_GET	1	Rte_Call_Sa_MtrDrvDiag_FetFlt1Data_OP_GET	1	~
Rte_Call_Sa_MtrDrvDiag_FetFlt2Clk_OP_SET	1	Rte_Call_Sa_MtrDrvDiag_FetFlt2Clk_OP_SET	1	~
GateDrvWaitTime	1	GateDrvWaitTime	1	~
Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32	1	Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32	1	~
Rte_Call_Sa_MtrDrvDiag_SystemTime_DtrmnElapsedTime_uS_u16	1	Rte_Call_Sa_MtrDrvDiag_SystemTime_DtrmnElapsedTime_uS_u16	1	V
Rte_Call_Sa_MtrDrvDiag_FetFlt2Clk_OP_SET	1	Rte_Call_Sa_MtrDrvDiag_FetFlt2Clk_OP_SET	1	~
GateDrvWaitTime Rte Call Sa MtrDrvDiag SystemTime GetSystemTime uS u32	1	GateDrvWaitTime Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32	1	~
Rte_Call_Sa_MtrDrvDiag_SystemTime_DtrmnElapsedTime_uS_u16	1	Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32	1	
Rte_Call_Sa_MtrDrvDiag_FetFlt1Data_OP_GET	1	Rte_Call_Sa_MtrDrvDiag_FetFlt1Data_OP_GET	1	•
Rte_Call_Sa_MtrDrvDiag_FetFlt2Clk_OP_SET	1	Rte_Call_Sa_MtrDrvDiag_FetFlt2Clk_OP_SET	1	-
GateDrvWaitTime	1	GateDrvWaitTime	1	~
Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32	1	Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32	1	~
Rte_Call_Sa_MtrDrvDiag_SystemTime_DtrmnElapsedTime_uS_u16	1	Rte_Call_Sa_MtrDrvDiag_SystemTime_DtrmnElapsedTime_uS_u16	1	~
Rte_Call_Sa_MtrDrvDiag_FetFlt2Clk_OP_SET	1	Rte_Call_Sa_MtrDrvDiag_FetFlt2Clk_OP_SET	1	~
GateDrvWaitTime	1	GateDrvWaitTime	1	~
Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32	1	Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32	1	✓
Rte_Call_Sa_MtrDrvDiag_SystemTime_DtrmnElapsedTime_uS_u16	1	Rte_Call_Sa_MtrDrvDiag_SystemTime_DtrmnElapsedTime_uS_u16	1	V
Rte_Call_Sa_MtrDrvDiag_FetFlt1Data_OP_GET Rte_Call_Sa_MtrDrvDiag_FetFlt2Clk_OP_SET	1	Rte_Call_Sa_MtrDrvDiag_FetFlt1Data_OP_GET Rte_Call_Sa_MtrDrvDiag_FetFlt2Clk_OP_SET	1	V
GateDrvWaitTime	1	GateDrvWaitTime	1	~
Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32	1	Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32	1	· •
Rte_Call_Sa_MtrDrvDiag_SystemTime_DtrmnElapsedTime_uS_u16	1	Rte_Call_Sa_MtrDrvDiag_SystemTime_DtrmnElapsedTime_uS_u16	1	-
Rte_Call_Sa_MtrDrvDiag_FetFlt2Clk_OP_SET	1	Rte_Call_Sa_MtrDrvDiag_FetFlt2Clk_OP_SET	1	~
GateDrvWaitTime	1	GateDrvWaitTime	1	-

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

Test Step 2.24 (Repeat Count = 1)				
Name	Input Value			
Rte_Call_Sa_MtrDrvDiag_FetFlt2Clk_OP_GET(signal)	target_Rte_Call_Sa_MtrDrvDiag_FetFlt2Clk_OP_GET_signal			
Rte_Call_Sa_MtrDrvDiag_NxtrDiagMgr_GetNTCFailed(NTCFailed_Ptr_T_lgc)	target_Rte_Call_Sa_MtrDrvDiag_NxtrDiagMgr_GetNTCFailed_NTCFailed_Ptr_T_lgc			
Rte_Call_Sa_MtrDrvDiag_SystemTime_DtrmnElapsedTime_mS_u16(ElapsedTime)	target_Rte_Call_Sa_MtrDrvDiag_SystemTime_DtrmnElapsedTime_mS_u16_ElapsedTime			
$Rte_Call_Sa_MtrDrvDiag_SystemTime_DtrmnElapsedTime_uS_u16(ElapsedTime)$	target_Rte_Call_Sa_MtrDrvDiag_SystemTime_DtrmnElapsedTime_uS_u16_ElapsedTime			
Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_mS_u32(CurrentTime)	target_Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_mS_u32_CurrentTime			
Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32(CurrentTime)	target_Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32_CurrentTime			
Rte_Inst_Sa_MtrDrvDiag	target_Rte_Inst_Sa_MtrDrvDiag			
SVDiag_FETFaultPhase_Cnt_M_enum	0			
SVDiag_FETFaultType_Cnt_M_enum	0			
SVDiag_GateDriveFltAcc_Cnt_M_u16	0			
SVDiag_GenGateDriveFltAcc_Cnt_M_u16	0			
SVDiag_MtrDrvInitActive_Cnt_M_lgc	0			
SVDiag_MtrDrvInitComp_Cnt_M_lgc	0			
SVDiag_MtrDrvInitStartTime_mS_M_u32p0	0			
SVDiag_OnStateFltAcc_Cnt_M_u16	0			
SVDiag_ResetWaitLoop_Cnt_M_lgc	0			
k_GateDriveDiag_Cnt_str.Threshold	0			
k_GateDriveDiag_Cnt_str.PStep	0			
k_GateDriveDiag_Cnt_str.NStep	0			
k_OnStateDiag_Cnt_str.Threshold	0			
k_OnStateDiag_Cnt_str.PStep	0			
k_OnStateDiag_Cnt_str.NStep	0			
target_MtrDrvDiag_Per1_MtrDrvrInitStart_Cnt_lgc.value	0			
target_Rte_Call_Sa_MtrDrvDiag_FetFlt2Clk_OP_GET_signal	0			
target_Rte_Call_Sa_MtrDrvDiag_NxtrDiagMgr_GetNTCFailed_NTCFailed_Ptr_T_lgr	0			
$target_Rte_Call_Sa_MtrDrvDiag_SystemTime_DtrmnElapsedTime_mS_u16_ElapsedTime_mSuperscript{0}{0}{0}{0}{0}{0}{0}{0}{0}{0}{0}{0}{0}{$	0			
$target_Rte_Call_Sa_MtrDrvDiag_SystemTime_DtrmnElapsedTime_uS_u16_Ela$	50			
$target_Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_mS_u32_CurrentTime_ms_u32_CurrentTime_ms_u32_CurrentTime_ms_u32_CurrentTime_ms_u32_CurrentTime_ms_u32_CurrentTime_ms_u32_CurrentTime_ms_u32_CurrentTime_ms_u32_CurrentTime_ms_u33_Curren$	0			
$target_Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32_CurrentTiresum_Suspension_SystemTime_usum_Suspension_SystemTime_Usum_Suspension_SystemTime_SystemTime_Usum_Suspension_SystemTime_SystemTime_Usum_Suspension_SystemTime_SystemTime_Usum_Suspension_SystemTime_SystemTime_Usum_Suspension_SystemTime_SystemTime_Usum_Suspension_SystemTime_SystemTime_Usum_Suspension_SystemTime_SystemTime_Usum_Suspension_SystemTime_SystemTime_Usum_Suspension_SystemTime_SystemTime_Usum_Suspension_SystemTime_SystemTime_Usum_SystemTime_Usum_SystemTime_SystemTime_Usum_SystemTime_SystemTime_Usum_SystemTime_Usum_SystemTime_SystemTime_Usum_SystemTime_Usum_SystemTime_SystemTime_Usum_System_System_Usum_System$	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_MtrDrvrInitComplet	e_Cnt_lgc	
target_Rte_Inst_Sa_MtrDrvDiag.MtrDrvDiag_Per1_MtrDrvrInitStart_Cnt_lgc	target_MtrDrvDiag_Per1_MtrDrvrInitStart_Cr	nt_lgc	
Name	Actual Value	Expected Value	Result
SVDiag_FETFaultPhase_Cnt_M_enum	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	~

Т				V
Actual Function	Count	Expected Function	Count	Result
Rte_Call_MtrDrvDiag_Per1_CP0_CheckpointReached	1	Rte_Call_MtrDrvDiag_Per1_CP0_CheckpointReached	1	~
Rte_Call_MtrDrvDiag_Per1_CP1_CheckpointReached	1	Rte_Call_MtrDrvDiag_Per1_CP1_CheckpointReached	1	~

Test Step 2.25 (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_NxtrDiagM	gr_GetNTCFailed_NTCFailed_Ptr_T_lgc	
Rte_Call_Sa_MtrDrvDiag_SystemTime_DtrmnElapsedTime_mS_u16(ElapsedTime)	target_Rte_Call_Sa_MtrDrvDiag_SystemTin	ne_DtrmnElapsedTime_mS_u16_ElapsedTim	е
$Rte_Call_Sa_MtrDrvDiag_SystemTime_DtrmnElapsedTime_uS_u16(ElapsedTime)$	target_Rte_Call_Sa_MtrDrvDiag_SystemTin	ne_DtrmnElapsedTime_uS_u16_ElapsedTime	Э
Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_mS_u32(CurrentTime)	target_Rte_Call_Sa_MtrDrvDiag_SystemTin	ne_GetSystemTime_mS_u32_CurrentTime	
Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32(CurrentTime)	target_Rte_Call_Sa_MtrDrvDiag_SystemTin	ne_GetSystemTime_uS_u32_CurrentTime	
Rte_Inst_Sa_MtrDrvDiag	target_Rte_Inst_Sa_MtrDrvDiag		
SVDiag_FETFaultPhase_Cnt_M_enum	3		
SVDiag_FETFaultType_Cnt_M_enum	2		
SVDiag_GateDriveFltAcc_Cnt_M_u16	65535		
SVDiag_GenGateDriveFltAcc_Cnt_M_u16	200		
SVDiag_MtrDrvInitActive_Cnt_M_lgc	1		
SVDiag_MtrDrvInitComp_Cnt_M_lgc	1		
SVDiag_MtrDrvInitStartTime_mS_M_u32p0	4294967295		
SVDiag_OnStateFltAcc_Cnt_M_u16	65535		
SVDiag_ResetWaitLoop_Cnt_M_lgc	1		
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_Igc.value	1		
target_Rte_Call_Sa_MtrDrvDiag_FetFlt2Clk_OP_GET_signal	1		
target_Rte_Call_Sa_MtrDrvDiag_NxtrDiagMgr_GetNTCFailed_NTCFailed_Ptr_T_Ig	1		
target Rte Call Sa MtrDrvDiag SystemTime DtrmnElapsedTime mS u16 Elapse	65535		
target_Rte_Call_Sa_MtrDrvDiag_SystemTime_DtrmnElapsedTime_uS_u16_Elapse	65535		
$target_Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_mS_u32_CurrentTime_mS_u32_CurrentTime_mS_u32_CurrentTime_mS_u32_CurrentTime_mS_u32_CurrentTime_mS_u32_CurrentTime_mS_u32_CurrentTime_mS_u32_CurrentTime_mS_u332_CurrentTi$	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_C	nt_enum	
target_Rte_Inst_Sa_MtrDrvDiag.MtrDrvDiag_Per1_FETFaultType_Cnt_enum	target_MtrDrvDiag_Per1_FETFaultType_Cn	t_enum	
target_Rte_Inst_Sa_MtrDrvDiag.MtrDrvDiag_Per1_GateDriveResetActive_Cnt_lgc	target_MtrDrvDiag_Per1_GateDriveResetAc	tive_Cnt_lgc	
target_Rte_Inst_Sa_MtrDrvDiag.MtrDrvDiag_Per1_MtrDrvrInitComplete_Cnt_Igc	target_MtrDrvDiag_Per1_MtrDrvrInitComple	te_Cnt_lgc	
target_Rte_Inst_Sa_MtrDrvDiag.MtrDrvDiag_Per1_MtrDrvrInitStart_Cnt_lgc	target_MtrDrvDiag_Per1_MtrDrvrInitStart_C	nt_lgc	
Name	Actual Value	Expected Value	Result
SVDiag_FETFaultPhase_Cnt_M_enum	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	-

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MtrDrvDiag_Per1

Name	Actual Value	Expected Value	Result
target_MtrDrvDiag_Per1_GateDriveResetActive_Cnt_lgc.value	0	0	•
target_MtrDrvDiag_Per1_MtrDrvrInitComplete_Cnt_lgc.value	1	1	~

T				V
Actual Function	Count	Expected Function	Count	Result
Rte_Call_MtrDrvDiag_Per1_CP0_CheckpointReached	1	Rte_Call_MtrDrvDiag_Per1_CP0_CheckpointReached	1	~
ResetGateDrive	1	ResetGateDrive	1	~
SuspendAllInterrupts	1	SuspendAllInterrupts	1	~
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

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

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





Name	Input Value		
k_GateDriveDiag_Cnt_str.PStep	5000		
k_GateDriveDiag_Cnt_str.NStep	11110		
k_OnStateDiag_Cnt_str.Threshold	1111		
k_OnStateDiag_Cnt_str.PStep	11000		
k_OnStateDiag_Cnt_str.NStep	1000		
target_MtrDrvDiag_Per1_MtrDrvrInitStart_Cnt_lgc.value	0		
target_Rte_Call_Sa_MtrDrvDiag_FetFlt2Clk_OP_GET_signal	1		
$target_Rte_Call_Sa_MtrDrvDiag_NxtrDiagMgr_GetNTCFailed_NTCFailed_Ptr_T_lgrams and the property of the proper$	0		
$target_Rte_Call_Sa_MtrDrvDiag_SystemTime_DtrmnElapsedTime_mS_u16_ElapsetIme_mS_u16$	1000		
$target_Rte_Call_Sa_MtrDrvDiag_SystemTime_DtrmnElapsedTime_uS_u16_Elapse$	11100		
$target_Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_mS_u32_CurrentTi$	5000		
$target_Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32_CurrentTir$	100000		
target_Rte_Inst_Sa_MtrDrvDiag.MtrDrvDiag_Per1_FETFaultPhase_Cnt_enum	target_MtrDrvDiag_Per1_FETFaultPhase_Cr	nt_enum	
target_Rte_Inst_Sa_MtrDrvDiag.MtrDrvDiag_Per1_FETFaultType_Cnt_enum	target_MtrDrvDiag_Per1_FETFaultType_Cnt	_enum	
target_Rte_Inst_Sa_MtrDrvDiag.MtrDrvDiag_Per1_GateDriveResetActive_Cnt_Igc	target_MtrDrvDiag_Per1_GateDriveResetAct	ive_Cnt_lgc	
target_Rte_Inst_Sa_MtrDrvDiag.MtrDrvDiag_Per1_MtrDrvrInitComplete_Cnt_Igc	target_MtrDrvDiag_Per1_MtrDrvrInitComplete	e_Cnt_lgc	
$target_Rte_Inst_Sa_MtrDrvDiag.MtrDrvDiag_Per1_MtrDrvrInitStart_Cnt_lgc$	target_MtrDrvDiag_Per1_MtrDrvrInitStart_Cn	t_lgc	
Name	Actual Value	Expected Value	Result
SVDiag_FETFaultPhase_Cnt_M_enum	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	~

Т				✓
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
VDiag_FETFaultPhase_Cnt_M_enum	2
SVDiag_FETFaultType_Cnt_M_enum	0
SVDiag_GateDriveFltAcc_Cnt_M_u16	60000
VDiag_GenGateDriveFltAcc_Cnt_M_u16	60
VDiag_MtrDrvInitActive_Cnt_M_lgc	1
VDiag_MtrDrvInitComp_Cnt_M_lgc	1
VDiag_MtrDrvInitStartTime_mS_M_u32p0	6653
VDiag_OnStateFltAcc_Cnt_M_u16	6666
VDiag_ResetWaitLoop_Cnt_M_lgc	1
_GateDriveDiag_Cnt_str.Threshold	10000
_GateDriveDiag_Cnt_str.PStep	30000
_GateDriveDiag_Cnt_str.NStep	10000
_OnStateDiag_Cnt_str.Threshold	6666
_OnStateDiag_Cnt_str.PStep	16000
_OnStateDiag_Cnt_str.NStep	6000
rget_MtrDrvDiag_Per1_MtrDrvrInitStart_Cnt_lgc.value	1
rget_Rte_Call_Sa_MtrDrvDiag_FetFlt2Clk_OP_GET_signal	0
arget_Rte_Call_Sa_MtrDrvDiag_NxtrDiagMgr_GetNTCFailed_NTCFailed_Ptr_T_lg	1
rget_Rte_Call_Sa_MtrDrvDiag_SystemTime_DtrmnElapsedTime_mS_u16_Elapse	14000
rget_Rte_Call_Sa_MtrDrvDiag_SystemTime_DtrmnElapsedTime_uS_u16_Elapse	16100
rget_Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_mS_u32_CurrentTi	20000
arget Rte Call Sa MtrDrvDiag SystemTime GetSystemTime uS u32 CurrentTin	600000
arget_Rte_Inst_Sa_MtrDrvDiag.MtrDrvDiag_Per1_FETFaultPhase_Cnt_enum	target_MtrDrvDiag_Per1_FETFaultPhase_Cnt_enum
arget_Rte_Inst_Sa_MtrDrvDiag.MtrDrvDiag_Per1_FETFaultType_Cnt_enum	target_MtrDrvDiag_Per1_FETFaultType_Cnt_enum





Name	Input Value		
target_Rte_Inst_Sa_MtrDrvDiag.MtrDrvDiag_Per1_GateDriveResetActive_Cnt_lgc	target_MtrDrvDiag_Per1_GateDriveResetAct	tive_Cnt_lgc	
target_Rte_Inst_Sa_MtrDrvDiag.MtrDrvDiag_Per1_MtrDrvrInitComplete_Cnt_Igc	target_MtrDrvDiag_Per1_MtrDrvrInitComplet	e_Cnt_lgc	
target_Rte_Inst_Sa_MtrDrvDiag.MtrDrvDiag_Per1_MtrDrvrInitStart_Cnt_Igc	target_MtrDrvDiag_Per1_MtrDrvrInitStart_Cr	nt_lgc	
Name	Actual Value	Expected Value	Result
SVDiag_FETFaultPhase_Cnt_M_enum	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	~

Name	Input Value		
Rte_Call_Sa_MtrDrvDiag_FetFlt2Clk_OP_GET(signal)	target_Rte_Call_Sa_MtrDrvDiag_FetFlt2Clk_	OP_GET_signal	
Rte_Call_Sa_MtrDrvDiag_NxtrDiagMgr_GetNTCFailed(NTCFailed_Ptr_T_lgc)	target_Rte_Call_Sa_MtrDrvDiag_NxtrDiagM	gr_GetNTCFailed_NTCFailed_Ptr_T_lgc	
Rte_Call_Sa_MtrDrvDiag_SystemTime_DtrmnElapsedTime_mS_u16(ElapsedTime)	target_Rte_Call_Sa_MtrDrvDiag_SystemTim	ne_DtrmnElapsedTime_mS_u16_ElapsedTime	
Rte_Call_Sa_MtrDrvDiag_SystemTime_DtrmnElapsedTime_uS_u16(ElapsedTime)	target_Rte_Call_Sa_MtrDrvDiag_SystemTim	ne_DtrmnElapsedTime_uS_u16_ElapsedTime	
Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_mS_u32(CurrentTime)	target_Rte_Call_Sa_MtrDrvDiag_SystemTim	ne_GetSystemTime_mS_u32_CurrentTime	
Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32(CurrentTime)	target_Rte_Call_Sa_MtrDrvDiag_SystemTim	ne_GetSystemTime_uS_u32_CurrentTime	
Rte_Inst_Sa_MtrDrvDiag	target_Rte_Inst_Sa_MtrDrvDiag		
SVDiag_FETFaultPhase_Cnt_M_enum	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		
<pre><_GateDriveDiag_Cnt_str.Threshold</pre>	15000		
k_GateDriveDiag_Cnt_str.PStep	35000		
<_GateDriveDiag_Cnt_str.NStep	20000		
k_OnStateDiag_Cnt_str.Threshold	7777		
<_OnStateDiag_Cnt_str.PStep	17000		
<_OnStateDiag_Cnt_str.NStep	7000		
target_MtrDrvDiag_Per1_MtrDrvrInitStart_Cnt_lgc.value	1		
arget_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		
$arget_Rte_Call_Sa_MtrDrvDiag_SystemTime_DtrmnElapsedTime_uS_u16_Elapse$	17100		
target_Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_mS_u32_CurrentTi	23000		
target_Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32_CurrentTir	700000		
arget_Rte_Inst_Sa_MtrDrvDiag.MtrDrvDiag_Per1_FETFaultPhase_Cnt_enum	target_MtrDrvDiag_Per1_FETFaultPhase_C	nt_enum	
target_Rte_Inst_Sa_MtrDrvDiag.MtrDrvDiag_Per1_FETFaultType_Cnt_enum	target_MtrDrvDiag_Per1_FETFaultType_Cn	t_enum	
arget_Rte_Inst_Sa_MtrDrvDiag.MtrDrvDiag_Per1_GateDriveResetActive_Cnt_lgc	target_MtrDrvDiag_Per1_GateDriveResetAc	tive_Cnt_lgc	
target_Rte_Inst_Sa_MtrDrvDiag.MtrDrvDiag_Per1_MtrDrvrInitComplete_Cnt_Igc	target_MtrDrvDiag_Per1_MtrDrvrInitComplet	e_Cnt_lgc	
target_Rte_Inst_Sa_MtrDrvDiag.MtrDrvDiag_Per1_MtrDrvrInitStart_Cnt_Igc	target_MtrDrvDiag_Per1_MtrDrvrInitStart_Cr	nt_lgc	
Name	Actual Value	Expected Value	Resu
SVDiag_FETFaultPhase_Cnt_M_enum	3	3	
SVDiag FETFaultType Cnt M enum	2	2	

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

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Actual Function		Expected Function		Result
Rte_Call_MtrDrvDiag_Per1_CP0_CheckpointReached	1	Rte_Call_MtrDrvDiag_Per1_CP0_CheckpointReached	1	~
Rte_Call_Sa_MtrDrvDiag_FetFlt1Data_OP_GET	1	Rte_Call_Sa_MtrDrvDiag_FetFlt1Data_OP_GET	1	~
Rte_Call_Sa_MtrDrvDiag_FetFlt2Clk_OP_GET	1	Rte_Call_Sa_MtrDrvDiag_FetFlt2Clk_OP_GET	1	~
Rte_Call_Sa_MtrDrvDiag_NxtrDiagMgr_SetNTCStatus ProcGateDriveFlt	1	Rte_Call_Sa_MtrDrvDiag_NxtrDiagMgr_SetNTCStatus ProcGateDriveFlt	1	Ž
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	V
GateDrvWaitTime	1	GateDrvWaitTime	1	- 4
Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32		Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32	1	
Rte_Call_Sa_MtrDrvDiag_SystemTime_DtrmnElapsedTime_uS_u16 Rte_Call_Sa_MtrDrvDiag_FetFlt1Data_OP_GET	1	Rte_Call_Sa_MtrDrvDiag_SystemTime_DtrmnElapsedTime_uS_u16 Rte_Call_Sa_MtrDrvDiag_FetFlt1Data_OP_GET	1	~
Rte_Call_Sa_MtrDrvDiag_FetFitTData_OP_GET Rte_Call_Sa_MtrDrvDiag_FetFit2Clk_OP_SET	1	Rte_Call_Sa_MtrDrvDiag_FetFit1Data_OP_GE1 Rte_Call_Sa_MtrDrvDiag_FetFlt2Clk_OP_SET	1	
GateDrvWaitTime	1	GateDryWaitTime	1	-
Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32	1	Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32	1	-
Rte_Call_Sa_MtrDrvDiag_SystemTime_DtrmnElapsedTime_uS_u16	1	Rte_Call_Sa_MtrDrvDiag_SystemTime_DtrmnElapsedTime_uS_u16	1	-
Rte_Call_Sa_MtrDrvDiag_FetFlt2Clk_OP_SET	1	Rte_Call_Sa_MtrDrvDiag_FetFlt2Clk_OP_SET	1	_
GateDrvWaitTime	1	GateDrvWaitTime	1	~
Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32	1	Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32	1	~
Rte_Call_Sa_MtrDrvDiag_SystemTime_DtrmnElapsedTime_uS_u16	1	Rte_Call_Sa_MtrDrvDiag_SystemTime_DtrmnElapsedTime_uS_u16	1	•
Rte_Call_Sa_MtrDrvDiag_FetFlt1Data_OP_GET	1	Rte_Call_Sa_MtrDrvDiag_FetFlt1Data_OP_GET	1	~
Rte_Call_Sa_MtrDrvDiag_FetFlt2Clk_OP_SET	1	Rte_Call_Sa_MtrDrvDiag_FetFlt2Clk_OP_SET	1	~
GateDrvWaitTime	1	GateDrvWaitTime	1	•
Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32	1	Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32	1	~
Rte_Call_Sa_MtrDrvDiag_SystemTime_DtrmnElapsedTime_uS_u16	1	Rte_Call_Sa_MtrDrvDiag_SystemTime_DtrmnElapsedTime_uS_u16	1	~
Rte_Call_Sa_MtrDrvDiag_FetFlt2Clk_OP_SET	1	Rte_Call_Sa_MtrDrvDiag_FetFlt2Clk_OP_SET	1	~
GateDrvWaitTime	1	GateDrvWaitTime	1	~
Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32	1	Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32	1	V
Rte_Call_Sa_MtrDrvDiag_SystemTime_DtrmnElapsedTime_uS_u16	1	Rte_Call_Sa_MtrDrvDiag_SystemTime_DtrmnElapsedTime_uS_u16	1	-
Rte_Call_Sa_MtrDrvDiag_FetFlt1Data_OP_GET	1	Rte_Call_Sa_MtrDrvDiag_FetFlt1Data_OP_GET	1	V
Rte_Call_Sa_MtrDrvDiag_FetFlt2Clk_OP_SET GateDrvWaitTime	1	Rte_Call_Sa_MtrDrvDiag_FetFlt2Clk_OP_SET GateDrvWaitTime	1	~
Rte Call Sa MtrDrvDiag SystemTime GetSystemTime uS u32	1	Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32	1	-
Rte Call Sa MtrDrvDiag SystemTime DtrmnElapsedTime uS u16	1	Rte_Call_Sa_MtrDrvDiag_SystemTime_DtrmnElapsedTime_uS_u16	1	~
Rte_Call_Sa_MtrDrvDiag_FetFlt2Clk_OP_SET	1	Rte_Call_Sa_MtrDrvDiag_FetFlt2Clk_OP_SET	1	_
GateDrvWaitTime	1	GateDrvWaitTime	1	~
Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32	1	Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32	1	~
Rte_Call_Sa_MtrDrvDiag_SystemTime_DtrmnElapsedTime_uS_u16	1	Rte_Call_Sa_MtrDrvDiag_SystemTime_DtrmnElapsedTime_uS_u16	1	•
Rte_Call_Sa_MtrDrvDiag_FetFlt1Data_OP_GET	1	Rte_Call_Sa_MtrDrvDiag_FetFlt1Data_OP_GET	1	-
Rte_Call_Sa_MtrDrvDiag_FetFlt2Clk_OP_SET	1	Rte_Call_Sa_MtrDrvDiag_FetFlt2Clk_OP_SET	1	~
GateDrvWaitTime	1	GateDrvWaitTime	1	~
Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32	1	Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32	1	~
Rte_Call_Sa_MtrDrvDiag_SystemTime_DtrmnElapsedTime_uS_u16	1	Rte_Call_Sa_MtrDrvDiag_SystemTime_DtrmnElapsedTime_uS_u16	1	~
Rte_Call_Sa_MtrDrvDiag_FetFlt2Clk_OP_SET	1	Rte_Call_Sa_MtrDrvDiag_FetFlt2Clk_OP_SET	1	~
GateDrvWaitTime	1	GateDrvWaitTime	1	~
Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32	1	Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32	1	~
Rte_Call_Sa_MtrDrvDiag_SystemTime_DtrmnElapsedTime_uS_u16	1	Rte_Call_Sa_MtrDrvDiag_SystemTime_DtrmnElapsedTime_uS_u16	1	~
Rte_Call_Sa_MtrDrvDiag_FetFlt1Data_OP_GET	1	Rte_Call_Sa_MtrDrvDiag_FetFlt1Data_OP_GET	1	V
Rte_Call_Sa_MtrDrvDiag_FetFlt2Clk_OP_SET	1	Rte_Call_Sa_MtrDrvDiag_FetFlt2Clk_OP_SET	1	· ·
GateDrvWaitTime Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32	1	GateDrvWaitTime Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32	1	~
Rte_Call_Sa_MtrDrvDiag_SystemTime_GetsystemTime_uS_u32 Rte_Call_Sa_MtrDrvDiag_SystemTime_DtrmnElapsedTime_uS_u16	1	Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32 Rte_Call_Sa_MtrDrvDiag_SystemTime_DtrmnElapsedTime_uS_u16	1	~
Rte_Call_Sa_MtrDrvDiag_SystemTime_DtrimielapsedTime_uS_uTo	1	Rte_Call_Sa_MtrDrvDiag_SystemTime_Dtrimie_lapsedTime_us_u16 Rte_Call_Sa_MtrDrvDiag_FetFlt2Clk_OP_SET	1	,
GateDrvWaitTime	1	GateDrvWaitTime	1	~
Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32	1	Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32	1	-
Rte_Call_Sa_MtrDrvDiag_SystemTime_DtrmnElapsedTime_uS_u16	1	Rte_Call_Sa_MtrDrvDiag_SystemTime_DtrmnElapsedTime_uS_u16	1	~
Rte_Call_Sa_MtrDrvDiag_FetFlt1Data_OP_GET	1	Rte_Call_Sa_MtrDrvDiag_FetFlt1Data_OP_GET	1	-
Rte_Call_Sa_MtrDrvDiag_FetFlt2Clk_OP_SET	1	Rte_Call_Sa_MtrDrvDiag_FetFlt2Clk_OP_SET	1	V
GateDrvWaitTime	1	GateDrvWaitTime	1	-
Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32	1	Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32	1	~
Rte_Call_Sa_MtrDrvDiag_SystemTime_DtrmnElapsedTime_uS_u16	1	Rte_Call_Sa_MtrDrvDiag_SystemTime_DtrmnElapsedTime_uS_u16	1	~
Rte_Call_Sa_MtrDrvDiag_FetFlt2Clk_OP_SET	1	Rte_Call_Sa_MtrDrvDiag_FetFlt2Clk_OP_SET	1	~
GateDrvWaitTime	1	GateDrvWaitTime	1	~





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_lgr	1		
$target_Rte_Call_Sa_MtrDrvDiag_SystemTime_DtrmnElapsedTime_mS_u16_ElapsedTime_mSu16$	2000		
$target_Rte_Call_Sa_MtrDrvDiag_SystemTime_DtrmnElapsedTime_uS_u16_Ela$	12100		
$target_Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_mS_u32_CurrentTime_ms_u32_CurrentTime_ms_u32_CurrentTime_ms_u32_CurrentTime_ms_u32_CurrentTime_ms_u32_CurrentTime_ms_u32_CurrentTime_ms_u32_CurrentTime_ms_u32_CurrentTime_ms_u32_CurrentTime_ms_u322_CurrentTime_ms_u322_CurrentTime_ms_u322_CurrentTime_ms_u322_CurrentTime$	8000		
$target_Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32_CurrentTire_uS_u32_CurrentTire_uS_u32_CurrentTire_uS_u32_CurrentTire_uS_u32_CurrentTire_uS_u32_CurrentTire_uS_u332_Current$	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_Igc	target_MtrDrvDiag_Per1_MtrDrvrInitComplet	target_MtrDrvDiag_Per1_MtrDrvrInitComplete_Cnt_lgc	
target_Rte_Inst_Sa_MtrDrvDiag.MtrDrvDiag_Per1_MtrDrvrInitStart_Cnt_lgc	target_MtrDrvDiag_Per1_MtrDrvrInitStart_Cr	nt_lgc	
Name	Actual Value	Expected Value	Result
SVDiag_FETFaultPhase_Cnt_M_enum	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_NxtrDiagMg	gr_GetNTCFailed_NTCFailed_Ptr_T_lgc	
Rte_Call_Sa_MtrDrvDiag_SystemTime_DtrmnElapsedTime_mS_u16(ElapsedTime)	target_Rte_Call_Sa_MtrDrvDiag_SystemTim	e_DtrmnElapsedTime_mS_u16_ElapsedTime	
Rte_Call_Sa_MtrDrvDiag_SystemTime_DtrmnElapsedTime_uS_u16(ElapsedTime)	target_Rte_Call_Sa_MtrDrvDiag_SystemTim	e_DtrmnElapsedTime_uS_u16_ElapsedTime	
Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_mS_u32(CurrentTime)	target_Rte_Call_Sa_MtrDrvDiag_SystemTim	e_GetSystemTime_mS_u32_CurrentTime	
Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32(CurrentTime)	target_Rte_Call_Sa_MtrDrvDiag_SystemTim	e_GetSystemTime_uS_u32_CurrentTime	
Rte_Inst_Sa_MtrDrvDiag	target_Rte_Inst_Sa_MtrDrvDiag		
SVDiag_FETFaultPhase_Cnt_M_enum	1		
SVDiag_FETFaultType_Cnt_M_enum	1		
SVDiag_GateDriveFltAcc_Cnt_M_u16	3000		
SVDiag_GenGateDriveFltAcc_Cnt_M_u16	90		
SVDiag_MtrDrvInitActive_Cnt_M_lgc	0		
SVDiag_MtrDrvInitComp_Cnt_M_lgc	1		
SVDiag_MtrDrvInitStartTime_mS_M_u32p0	832		
SVDiag_OnStateFltAcc_Cnt_M_u16	9999		
SVDiag_ResetWaitLoop_Cnt_M_lgc	0		
k_GateDriveDiag_Cnt_str.Threshold	25000		
k_GateDriveDiag_Cnt_str.PStep	45000		
k_GateDriveDiag_Cnt_str.NStep	40000		
k_OnStateDiag_Cnt_str.Threshold	9999		
k_OnStateDiag_Cnt_str.PStep	19000		
k_OnStateDiag_Cnt_str.NStep	9000		
target_MtrDrvDiag_Per1_MtrDrvrInitStart_Cnt_lgc.value	0		
target_Rte_Call_Sa_MtrDrvDiag_FetFlt2Clk_OP_GET_signal	1		
target Rte Call Sa MtrDrvDiag NxtrDiagMgr GetNTCFailed NTCFailed Ptr T Ign	0		
$target_Rte_Call_Sa_MtrDrvDiag_SystemTime_DtrmnElapsedTime_mS_u16_ElapsedTime_mSu16$	23000		
$target_Rte_Call_Sa_MtrDrvDiag_SystemTime_DtrmnElapsedTime_uS_u16_Ela$	19100		
$target_Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_mS_u32_CurrentTime_mS_u32_CurrentTime_mS_u32_CurrentTime_mS_u32_CurrentTime_mS_u32_CurrentTime_mS_u32_CurrentTime_mS_u32_CurrentTime_mS_u32_CurrentTime_mS_u332_CurrentTi$	100000000		
$target_Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32_CurrentTire_uS_u32_CurrentTire_uS_u32_CurrentTire_uS_u32_CurrentTire_uS_u32_CurrentTire_uS_u32_CurrentTire_uS_u332_Current$	900000		
target_Rte_Inst_Sa_MtrDrvDiag.MtrDrvDiag_Per1_FETFaultPhase_Cnt_enum	target_MtrDrvDiag_Per1_FETFaultPhase_Cr	nt_enum	
target_Rte_Inst_Sa_MtrDrvDiag.MtrDrvDiag_Per1_FETFaultType_Cnt_enum	target_MtrDrvDiag_Per1_FETFaultType_Cnt	_enum	
$target_Rte_Inst_Sa_MtrDrvDiag.MtrDrvDiag_Per1_GateDriveResetActive_Cnt_lgc$	target_MtrDrvDiag_Per1_GateDriveResetAct	tive_Cnt_lgc	
$target_Rte_Inst_Sa_MtrDrvDiag.MtrDrvDiag_Per1_MtrDrvrInitComplete_Cnt_lgc$	target_MtrDrvDiag_Per1_MtrDrvrInitComplet	e_Cnt_lgc	
target_Rte_Inst_Sa_MtrDrvDiag.MtrDrvDiag_Per1_MtrDrvrInitStart_Cnt_Igc	target_MtrDrvDiag_Per1_MtrDrvrInitStart_Cr	nt_lgc	
Name	Actual Value	Expected Value	Result
SVDiag_FETFaultPhase_Cnt_M_enum	3	3	~

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

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tte_Call_MtrDrvDiag_Per1_CP0_CheckpointReached tte_Call_Sa_MtrDrvDiag_FetFlt1Data_OP_GET tte_Call_Sa_MtrDrvDiag_FetFlt2Clk_OP_GET tte_Call_Sa_MtrDrvDiag_NxtrDiagMgr_SetNTCStatus rocBridgeFit tte_Call_Sa_MtrDrvDiag_NxtrDiagMgr_GetNTCFailed tte_Call_Sa_MtrDrvDiag_IoHwAbPortConfig_SetFetFlt2ToOutput tte_Call_Sa_MtrDrvDiag_FetFlt2Clk_OP_SET taleDrvWaitTime tte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32 tte_Call_Sa_MtrDrvDiag_SystemTime_DtrmnElapsedTime_uS_u16 tte_Call_Sa_MtrDrvDiag_FetFlt1Data_OP_GET tte_Call_Sa_MtrDrvDiag_FetFlt1Data_OP_SET tte_Call_Sa_MtrDrvDiag_FetFlt2Clk_OP_SET tte_Call_Sa_MtrDrvDiag_FetFlt2Clk_OP_SET	1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	Rte_Call_MtrDrvDiag_Per1_CP0_CheckpointReached Rte_Call_Sa_MtrDrvDiag_FetFlt1Data_OP_GET Rte_Call_Sa_MtrDrvDiag_FetFlt2Clk_OP_GET Rte_Call_Sa_MtrDrvDiag_NxtrDiagMgr_SetNTCStatus ProcBridgeFlt Rte_Call_Sa_MtrDrvDiag_NxtrDiagMgr_GetNTCFailed ReadMtrDrvFltData Rte_Call_Sa_MtrDrvDiag_IOHwAbPortConfig_SetFetFlt2ToOutput Rte_Call_Sa_MtrDrvDiag_FetFlt2Clk_OP_SET GateDrvWaitTime	1 1 1 1 1	\ \ \
tte_Call_Sa_MtrDrvDiag_FetFlt2Clk_OP_GET tte_Call_Sa_MtrDrvDiag_NxtrDiagMgr_SetNTCStatus rocBridgeFlt tte_Call_Sa_MtrDrvDiag_NxtrDiagMgr_GetNTCFailed tte_Call_Sa_MtrDrvDiag_IoHwAbPortConfig_SetFetFlt2ToOutput tte_Call_Sa_MtrDrvDiag_FetFlt2Clk_OP_SET tateDrvWaitTime tte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32 tte_Call_Sa_MtrDrvDiag_SystemTime_DtrmnElapsedTime_uS_u16 tte_Call_Sa_MtrDrvDiag_FetFlt1Data_OP_GET tte_Call_Sa_MtrDrvDiag_FetFlt1Data_OP_GET tte_Call_Sa_MtrDrvDiag_FetFlt1Clk_OP_SET tateDrvWaitTime	1 1 1 1 1 1 1 1 1	Rte_Call_Sa_MtrDrvDiag_FetFlt2Clk_OP_GET Rte_Call_Sa_MtrDrvDiag_NxtrDiagMgr_SetNTCStatus ProcBridgeFlt Rte_Call_Sa_MtrDrvDiag_NxtrDiagMgr_GetNTCFailed ReadMtrDrvFltData Rte_Call_Sa_MtrDrvDiag_loHwAbPortConfig_SetFetFlt2ToOutput Rte_Call_Sa_MtrDrvDiag_FetFlt2Clk_OP_SET	1 1 1	~
tte_Call_Sa_MtrDrvDiag_NxtrDiagMgr_SetNTCStatus rocBridgeFit tte_Call_Sa_MtrDrvDiag_NxtrDiagMgr_GetNTCFailed tte_Call_Sa_MtrDrvDiag_IoHwAbPortConfig_SetFetFlt2ToOutput tte_Call_Sa_MtrDrvDiag_FetFlt2Clk_OP_SET tateDrvWaitTime tte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32 tte_Call_Sa_MtrDrvDiag_SystemTime_DtrmnElapsedTime_uS_u16 tte_Call_Sa_MtrDrvDiag_FetFlt1Data_OP_GET tte_Call_Sa_MtrDrvDiag_FetFlt1Clk_OP_SET tateDrvWaitTime	1 1 1 1 1 1 1 1	Rte_Call_Sa_MtrDrvDiag_NxtrDiagMgr_SetNTCStatus ProcBridgeFlt Rte_Call_Sa_MtrDrvDiag_NxtrDiagMgr_GetNTCFailed ReadMtrDrvFltData Rte_Call_Sa_MtrDrvDiag_loHwAbPortConfig_SetFetFlt2ToOutput Rte_Call_Sa_MtrDrvDiag_FetFlt2Clk_OP_SET	1 1 1	<i>y</i>
rocBridgeFit tte_Call_Sa_MtrDrvDiag_NxtrDiagMgr_GetNTCFailed tte_Call_Sa_MtrDrvDiag_IoHwAbPortConfig_SetFetFlt2ToOutput tte_Call_Sa_MtrDrvDiag_FetFlt2Clk_OP_SET tateDrvWaitTime tte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32 tte_Call_Sa_MtrDrvDiag_SystemTime_DtrmnElapsedTime_uS_u16 tte_Call_Sa_MtrDrvDiag_FetFlt1Data_OP_GET tte_Call_Sa_MtrDrvDiag_FetFlt2Clk_OP_SET tateDrvWaitTime	1 1 1 1 1 1 1	ProcBridgeFit Rte_Call_Sa_MtrDrvDiag_NxtrDiagMgr_GetNTCFailed ReadMtrDrvFltData Rte_Call_Sa_MtrDrvDiag_loHwAbPortConfig_SetFetFlt2ToOutput Rte_Call_Sa_MtrDrvDiag_FetFlt2Clk_OP_SET	1	~
te_Call_Sa_MtrDrvDiag_NxtrDiagMgr_GetNTCFailed te_Call_Sa_MtrDrvDiag_IoHwAbPortConfig_SetFetFlt2ToOutput tte_Call_Sa_MtrDrvDiag_FetFlt2Clk_OP_SET tateDrvWaitTime tte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32 tte_Call_Sa_MtrDrvDiag_SystemTime_DtrmnElapsedTime_uS_u16 tte_Call_Sa_MtrDrvDiag_FetFlt1Data_OP_GET tte_Call_Sa_MtrDrvDiag_FetFlt2Clk_OP_SET tateDrvWaitTime	1 1 1 1 1 1	Rte_Call_Sa_MtrDrvDiag_NxtrDiagMgr_GetNTCFailed ReadMtrDrvFltData Rte_Call_Sa_MtrDrvDiag_loHwAbPortConfig_SetFetFit2ToOutput Rte_Call_Sa_MtrDrvDiag_FetFit2Clk_OP_SET	1	~
teadMtrDrvFitData tte_Call_Sa_MtrDrvDiag_IoHwAbPortConfig_SetFetFlt2ToOutput tte_Call_Sa_MtrDrvDiag_FetFlt2Clk_OP_SET tateDrvWaitTime tte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32 tte_Call_Sa_MtrDrvDiag_SystemTime_DtrmnElapsedTime_uS_u16 tte_Call_Sa_MtrDrvDiag_FetFlt1Data_OP_GET tte_Call_Sa_MtrDrvDiag_FetFlt2Clk_OP_SET tateDrvWaitTime	1 1 1 1 1	ReadMtrDrvFltData Rte_Call_Sa_MtrDrvDiag_loHwAbPortConfig_SetFetFlt2ToOutput Rte_Call_Sa_MtrDrvDiag_FetFlt2Clk_OP_SET		
tte_Call_Sa_MtrDrvDiag_IoHwAbPortConfig_SetFetFlt2ToOutput tte_Call_Sa_MtrDrvDiag_FetFlt2Clk_OP_SET tateDrvWaitTime tte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32 tte_Call_Sa_MtrDrvDiag_SystemTime_DtrmnElapsedTime_uS_u16 tte_Call_Sa_MtrDrvDiag_FetFlt1Data_OP_GET tte_Call_Sa_MtrDrvDiag_FetFlt2Clk_OP_SET tateDrvWaitTime	1 1 1 1	Rte_Call_Sa_MtrDrvDiag_IoHwAbPortConfig_SetFetFlt2ToOutput Rte_Call_Sa_MtrDrvDiag_FetFlt2Clk_OP_SET	1	~
te_Call_Sa_MtrDrvDiag_FetFlt2Clk_OP_SET tateDrvWaitTime te_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32 te_Call_Sa_MtrDrvDiag_SystemTime_DtrmnElapsedTime_uS_u16 te_Call_Sa_MtrDrvDiag_FetFlt1Data_OP_GET te_Call_Sa_MtrDrvDiag_FetFlt2Clk_OP_SET tateDrvWaitTime	1 1 1 1	Rte_Call_Sa_MtrDrvDiag_FetFlt2Clk_OP_SET		~
iateDrvWaitTime te_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32 te_Call_Sa_MtrDrvDiag_SystemTime_DtrmnElapsedTime_uS_u16 te_Call_Sa_MtrDrvDiag_FetFlt1Data_OP_GET te_Call_Sa_MtrDrvDiag_FetFlt2Clk_OP_SET iateDrvWaitTime	1 1 1		1	~
tte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32 tte_Call_Sa_MtrDrvDiag_SystemTime_DtrmnElapsedTime_uS_u16 tte_Call_Sa_MtrDrvDiag_FetFlt1Data_OP_GET tte_Call_Sa_MtrDrvDiag_FetFlt2Clk_OP_SET iateDrvWaitTime	1	GateDrvWaitTime	1	~
te_Call_Sa_MtrDrvDiag_SystemTime_DtrmnElapsedTime_uS_u16 tte_Call_Sa_MtrDrvDiag_FetFlt1Data_OP_GET tte_Call_Sa_MtrDrvDiag_FetFlt2Clk_OP_SET sateDrvWaitTime	1		1	~
te_Call_Sa_MtrDrvDiag_FetFlt1Data_OP_GET te_Call_Sa_MtrDrvDiag_FetFlt2Clk_OP_SET sateDrvWaitTime		Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32	1	~
ate_Call_Sa_MtrDrvDiag_FetFlt2Clk_OP_SET sateDrvWaitTime	1	Rte_Call_Sa_MtrDrvDiag_SystemTime_DtrmnElapsedTime_uS_u16	1	•
ateDrvWaitTime	1.	Rte_Call_Sa_MtrDrvDiag_FetFlt1Data_OP_GET	1	~
	1	Rte_Call_Sa_MtrDrvDiag_FetFlt2Clk_OP_SET	1	✓
to Call Co MtrDr.Diag CustomTime CatCustomTime uC u22	1	GateDrvWaitTime	1	~
te_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32	1	Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32	1	~
tte_Call_Sa_MtrDrvDiag_SystemTime_DtrmnElapsedTime_uS_u16	1	Rte_Call_Sa_MtrDrvDiag_SystemTime_DtrmnElapsedTime_uS_u16	1	~
tte_Call_Sa_MtrDrvDiag_FetFlt2Clk_OP_SET	1	Rte_Call_Sa_MtrDrvDiag_FetFlt2Clk_OP_SET	1	~
ateDrvWaitTime	1	GateDrvWaitTime	1	~
tte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32	1	Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32	1	~
tte_Call_Sa_MtrDrvDiag_SystemTime_DtrmnElapsedTime_uS_u16	1	Rte_Call_Sa_MtrDrvDiag_SystemTime_DtrmnElapsedTime_uS_u16	1	_
te Call Sa MtrDrvDiag FetFlt1Data OP GET	1	Rte_Call_Sa_MtrDrvDiag_FetFlt1Data_OP_GET	1	V
tte_Call_Sa_MtrDrvDiag_FetFlt2Clk_OP_SET	1	Rte_Call_Sa_MtrDrvDiag_FetFlt2Clk_OP_SET	1	Ž
ateDrvWaitTime	1	GateDrvWaitTime	1	~
	1		1	Ž
te_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32 tte_Call_Sa_MtrDrvDiag_SystemTime_DtrmnElapsedTime_uS_u16	1	Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32	1	~
		Rte_Call_Sa_MtrDrvDiag_SystemTime_DtrmnElapsedTime_uS_u16		
tte_Call_Sa_MtrDrvDiag_FetFlt2Clk_OP_SET	1	Rte_Call_Sa_MtrDrvDiag_FetFlt2Clk_OP_SET	1	
dateDrvWaitTime	1	GateDrvWaitTime		V
tte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32	1	Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32	1	•
tte_Call_Sa_MtrDrvDiag_SystemTime_DtrmnElapsedTime_uS_u16	1	Rte_Call_Sa_MtrDrvDiag_SystemTime_DtrmnElapsedTime_uS_u16	1	~
tte_Call_Sa_MtrDrvDiag_FetFlt1Data_OP_GET	1	Rte_Call_Sa_MtrDrvDiag_FetFlt1Data_OP_GET	1	~
te_Call_Sa_MtrDrvDiag_FetFlt2Clk_OP_SET	1	Rte_Call_Sa_MtrDrvDiag_FetFlt2Clk_OP_SET	1	~
ateDrvWaitTime	1	GateDrvWaitTime	1	~
tte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32	1	Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32	1	~
tte_Call_Sa_MtrDrvDiag_SystemTime_DtrmnElapsedTime_uS_u16	1	Rte_Call_Sa_MtrDrvDiag_SystemTime_DtrmnElapsedTime_uS_u16	1	~
te_Call_Sa_MtrDrvDiag_FetFlt2Clk_OP_SET	1	Rte_Call_Sa_MtrDrvDiag_FetFlt2Clk_OP_SET	1	~
ateDrvWaitTime	1	GateDrvWaitTime	1	~
te_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32	1	Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32	1	~
te_Call_Sa_MtrDrvDiag_SystemTime_DtrmnElapsedTime_uS_u16	1	Rte_Call_Sa_MtrDrvDiag_SystemTime_DtrmnElapsedTime_uS_u16	1	~
te_Call_Sa_MtrDrvDiag_FetFlt1Data_OP_GET	1	Rte_Call_Sa_MtrDrvDiag_FetFlt1Data_OP_GET	1	✓
te_Call_Sa_MtrDrvDiag_FetFlt2Clk_OP_SET	1	Rte_Call_Sa_MtrDrvDiag_FetFlt2Clk_OP_SET	1	•
sateDrvWaitTime	1	GateDrvWaitTime	1	~
tte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32	1	Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32	1	~
tte_Call_Sa_MtrDrvDiag_SystemTime_DtrmnElapsedTime_uS_u16	1	Rte_Call_Sa_MtrDrvDiag_SystemTime_DtrmnElapsedTime_uS_u16	1	✓
tte_Call_Sa_MtrDrvDiag_FetFlt2Clk_OP_SET	1	Rte Call Sa MtrDrvDiag FetFlt2Clk OP SET	1	~
eateDryWaitTime	1	GateDrvWaitTime	1	✓
tte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32	1	Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32	1	~
te_Call_Sa_MtrDrvDiag_SystemTime_DtrmnElapsedTime_uS_u16	1	Rte Call Sa MtrDrvDiag SystemTime DtrmnElapsedTime uS u16	1	~
tte Call Sa MtrDrvDiag FetFlt1Data OP GET	1	Rte_Call_Sa_MtrDrvDiag_FetFlt1Data_OP_GET	1	,
tte Call Sa MtrDrvDiag FetFlt2Clk OP SET	1	Rte Call Sa MtrDrvDiag FetFlt2Clk OP SET	1	~
ateDrvWaitTime	1	GateDrvWaitTime	1	,
tte Call Sa MtrDrvDiag SystemTime GetSystemTime uS u32	1	Rte Call Sa MtrDrvDiag SystemTime GetSystemTime uS u32	1	~
te_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_us_us2 tte_Call_Sa_MtrDrvDiag_SystemTime_DtrmnElapsedTime_uS_u16	1	Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_us_us2 Rte_Call_Sa_MtrDrvDiag_SystemTime_DtrmnElapsedTime_uS_u16	1	Ž
	1			
te_Call_Sa_MtrDrvDiag_FetFlt2Clk_OP_SET		Rte_Call_Sa_MtrDrvDiag_FetFlt2Clk_OP_SET	1	₩
tateDrvWaitTime	1	GateDrvWaitTime	1	•
tte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32	1	Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32	1	V
tte_Call_Sa_MtrDrvDiag_SystemTime_DtrmnElapsedTime_uS_u16	1	Rte_Call_Sa_MtrDrvDiag_SystemTime_DtrmnElapsedTime_uS_u16	1	•
tte_Call_Sa_MtrDrvDiag_FetFlt1Data_OP_GET	1	Rte_Call_Sa_MtrDrvDiag_FetFlt1Data_OP_GET	1	~
te_Call_Sa_MtrDrvDiag_FetFlt2Clk_OP_SET	1	Rte_Call_Sa_MtrDrvDiag_FetFlt2Clk_OP_SET	1	~
ateDrvWaitTime	1	GateDrvWaitTime	1	~
tte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32	1	Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32	1	~
te_Call_Sa_MtrDrvDiag_SystemTime_DtrmnElapsedTime_uS_u16	1	Rte_Call_Sa_MtrDrvDiag_SystemTime_DtrmnElapsedTime_uS_u16	1	~
te_Call_Sa_MtrDrvDiag_FetFlt2Clk_OP_SET	1	Rte_Call_Sa_MtrDrvDiag_FetFlt2Clk_OP_SET	1	~
ateDrvWaitTime	1	GateDrvWaitTime	1	~
te_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32	1	Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32	1	~
tte_Call_Sa_MtrDrvDiag_SystemTime_DtrmnElapsedTime_uS_u16	1	Rte_Call_Sa_MtrDrvDiag_SystemTime_DtrmnElapsedTime_uS_u16	1	~
tte_Call_Sa_MtrDrvDiag_FetFlt1Data_OP_GET	1	Rte_Call_Sa_MtrDrvDiag_FetFlt1Data_OP_GET	1	~
tte_Call_Sa_MtrDrvDiag_FetFlt2Clk_OP_SET	1	Rte_Call_Sa_MtrDrvDiag_FetFlt2Clk_OP_SET	1	~
ateDrvWaitTime	1	GateDrvWaitTime	1	~
te_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32	1	Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32	1	✓
tte_Call_Sa_MtrDrvDiag_SystemTime_DtrmnElapsedTime_uS_u16	1	Rte_Call_Sa_MtrDrvDiag_SystemTime_DtrmnElapsedTime_uS_u16	1	~
te_Call_Sa_MtrDrvDiag_FetFlt2Clk_OP_SET	1	Rte_Call_Sa_MtrDrvDiag_FetFlt2Clk_OP_SET	1	✓
ateDrvWaitTime	1	GateDrvWaitTime	1	-





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

Test Step 3.6 (Repeat Count = 1)		
Name	Input Value	
Rte_Call_Sa_MtrDrvDiag_FetFlt2Clk_OP_GET(signal)	target_Rte_Call_Sa_MtrDrvDiag_FetFlt2Clk_OP_GET_signal	
Rte_Call_Sa_MtrDrvDiag_NxtrDiagMgr_GetNTCFailed(NTCFailed_Ptr_T_lgc)	target_Rte_Call_Sa_MtrDrvDiag_NxtrDiagMgr_GetNTCFailed_NTCFailed_Ptr_T_lgc	
Rte Call Sa MtrDrvDiag SystemTime DtrmnElapsedTime mS u16(ElapsedTime)	target_Rte_Call_Sa_MtrDrvDiag_SystemTime_DtrmnElapsedTime_mS_u16_ElapsedTime	
$Rte_Call_Sa_MtrDrvDiag_SystemTime_DtrmnElapsedTime_uS_u16(ElapsedTime)$	target_Rte_Call_Sa_MtrDrvDiag_SystemTime_DtrmnElapsedTime_uS_u16_ElapsedTime	
Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_mS_u32(CurrentTime)	target_Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_mS_u32_CurrentTime	
Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32(CurrentTime)	target_Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32_CurrentTime	
Rte_Inst_Sa_MtrDrvDiag	target_Rte_Inst_Sa_MtrDrvDiag	
SVDiag_FETFaultPhase_Cnt_M_enum	3	
SVDiag_FETFaultType_Cnt_M_enum	0	
SVDiag_GateDriveFltAcc_Cnt_M_u16	7000	
SVDiag_GenGateDriveFltAcc_Cnt_M_u16	100	
SVDiag_MtrDrvInitActive_Cnt_M_lgc	0	
SVDiag_MtrDrvInitComp_Cnt_M_lgc	1	
SVDiag_MtrDrvInitStartTime_mS_M_u32p0	20000	
SVDiag_OnStateFltAcc_Cnt_M_u16	0	
SVDiag_ResetWaitLoop_Cnt_M_lgc	0	
k_GateDriveDiag_Cnt_str.Threshold	45000	
k_GateDriveDiag_Cnt_str.PStep	65000	
k_GateDriveDiag_Cnt_str.NStep	3333	
k_OnStateDiag_Cnt_str.Threshold	14443	
k_OnStateDiag_Cnt_str.PStep	23000	
k_OnStateDiag_Cnt_str.NStep	1111	
target_MtrDrvDiag_Per1_MtrDrvrInitStart_Cnt_Igc.value	1	
target_Rte_Call_Sa_MtrDrvDiag_FetFlt2Clk_OP_GET_signal	0	
target_Rte_Call_Sa_MtrDrvDiag_NxtrDiagMgr_GetNTCFailed_NTCFailed_Ptr_T_lg	0	
$target_Rte_Call_Sa_MtrDrvDiag_SystemTime_DtrmnElapsedTime_mS_u16_ElapsedTime_mSu16$	35000	
target_Rte_Call_Sa_MtrDrvDiag_SystemTime_DtrmnElapsedTime_uS_u16_Elapse	23100	
$target_Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_mS_u32_CurrentTime_mS_u32_CurrentTime_mS_u32_CurrentTime_mS_u32_CurrentTime_mS_u32_CurrentTime_mS_u32_CurrentTime_mS_u32_CurrentTime_mS_u32_CurrentTime_mS_u32_CurrentTime_mS_u32_CurrentTime_mS_u332_CurrentTime$	50000000	
target Rte Call Sa MtrDrvDiag SystemTime GetSystemTime uS u32 CurrentTire	1300000	
target_Rte_Inst_Sa_MtrDrvDiag.MtrDrvDiag_Per1_FETFaultPhase_Cnt_enum	target_MtrDrvDiag_Per1_FETFaultPhase_Cnt_enum	
target_Rte_Inst_Sa_MtrDrvDiag.MtrDrvDiag_Per1_FETFaultType_Cnt_enum	target_MtrDrvDiag_Per1_FETFaultType_Cnt_enum	





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

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
$Rte_Call_Sa_MtrDrvDiag_SystemTime_DtrmnElapsedTime_mS_u16 (ElapsedTime_mS_u16 (Elaps$	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
$target_Rte_Call_Sa_MtrDrvDiag_NxtrDiagMgr_GetNTCFailed_NTCFailed_Ptr_T_lgrame and the property of the proper$	0
$target_Rte_Call_Sa_MtrDrvDiag_SystemTime_DtrmnElapsedTime_mS_u16_Ela$	47000
$target_Rte_Call_Sa_MtrDrvDiag_SystemTime_DtrmnElapsedTime_uS_u16_Ela$	2222
$target_Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_mS_u32_CurrentTime_mS_u32_CurrentTime_mS_u32_CurrentTime_mS_u32_CurrentTime_mS_u32_CurrentTime_mS_u32_CurrentTime_mS_u32_CurrentTime_mS_u32_CurrentTime_mS_u322_CurrentTime_mS_u322_CurrentTi$	90000000
$target_Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32_CurrentTime_uS_u32_CurrentTime_uS_u32_CurrentTime_uS_u32_CurrentTime_uS_u32_CurrentTime_uS_u32_CurrentTime_uS_u32_CurrentTime_uS_u32_CurrentTime_uS_u332_CurrentTi$	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
$target_Rte_Inst_Sa_MtrDrvDiag.MtrDrvDiag_Per1_GateDriveResetActive_Cnt_Igc$	target_MtrDrvDiag_Per1_GateDriveResetActive_Cnt_lgc
target_Rte_Inst_Sa_MtrDrvDiag.MtrDrvDiag_Per1_MtrDrvrInitComplete_Cnt_lgc	target_MtrDrvDiag_Per1_MtrDrvrInitComplete_Cnt_lgc

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Name	Input Value		
target_Rte_Inst_Sa_MtrDrvDiag.MtrDrvDiag_Per1_MtrDrvrInitStart_Cnt_lgc	target_MtrDrvDiag_Per1_MtrDrvrInitStart_Cnt_lgc		
Name	Actual Value	Expected Value	Result
SVDiag_FETFaultPhase_Cnt_M_enum	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	-



Name	Test Step 3.8 (Repeat Count = 1)			✓
Rep Cell 38 MICHONGO Felt Signed		Input Value		
Rec_Call_Sa_MithorDiag_NethrollangNor_GeNTCFailed_PTE_T_[go] Rec_Call_Sa_MithorDiag_SystemTime_DimmClapsoctatine_us_uis_(EllipsoctTime) Rec_Call_Sa_MithorDiag_SystemTime_DimmClapsoctatine_us_uis_(EllipsoctTime) Rec_Call_Sa_MithorDiag_SystemTime_DimmClapsoctatine_us_uis_(EllipsoctTime) Rec_Call_Sa_MithorDiag_SystemTime_DimmClapsoctatine_us_uis_(EllipsoctTime) Rec_Call_Sa_MithorDiag_SystemTime_DeSystemTime_us_uis_(EllipsoctTime) Rec_Call_Sa_MithorDiag_SystemTime_DeSystemTime_us_uis_(EllipsoctTime) Rec_Call_Sa_MithorDiag_SystemTime_DeSystemTime_us_uis_(EllipsoctTime) Rec_Call_Sa_MithorDiag_SystemTime_DeSystemTime_us_uis_(EllipsoctTime) Rec_Call_Sa_MithorDiag_SystemTime_DesystemTime_us_uis_(EllipsoctTime) Rec_Call_Sa_MithorDiag_SystemTime_DesystemTime_us_uis_(EllipsoctTime) Rec_Call_Sa_MithorDiag_SystemTime_DesystemTime_us_uis_(EllipsoctTime) Rec_Call_Sa_MithorDiag_SystemTime_DesystemTime_us_uis_(EllipsoctTime) Rec_Call_Sa_MithorDiag_SystemTime_DesystemTime_us_uis_(EllipsoctTime) Rec_Call_Sa_MithorDiag_DesystemTime_Us_uis_(EllipsoctTime) Rec_Call_Sa_MithorDiag_DesystemTime_Us_uis_(EllipsoctTime) Rec_Call_Sa_MithorDiag_DesystemTime_Us_uis_(EllipsoctTime_Us_uis_(E		•	OP GET signal	
Ric Call Sa MithOrDiag SystemTime DimmElappedTime ms utilife(EappedTime) staget, Ric Call Sa MithOrDiag SystemTime (DimmElappedTime) staget, Ric Call Sa MithOrDiag SystemTime) staget, Ric Call Sa MithOrDiag SystemTime (DimmElappedTime) staget, Ric Call Sa MithOrDiag SystemTime) staget, Ric Call Sa MithOrDiag SystemTime (DimmElappedTime) staget, Ric Call Sa				
Ris. Call Sa. MithorDiag. SystemTime. DemnElapsedTime. 15				
Rec_Call_Sa_Micholog_SystemTime_GetSystemTime_ms_U32(CurrentTime) Rec_Call_Sa_Micholog_SystemTime_GetSystemTime_us_U32(CurrentTime) Rec_Call_Sa_Micholog_SystemTime_GetSystemTime_us_U32(CurrentTime) Rec_Call_Sa_Micholog_SystemTime_GetSystemTime_us_U32(CurrentTime) Rec_Call_Sa_Micholog_SystemTime_GetSystemTime_us_U32(CurrentTime) Stribag_FETFaultType_Cnt_M_unin Stribag_FETFaultType_Cnt_M_unin Stribag_FETFaultType_Cnt_M_unin Stribag_GetStribag_Cnt_M_unin Stribag_GetStribag_GetStribag_Cnt_M_unin Stribag_GetStribag_GetStribag_Cnt_M_unin Stribag_GetStribag_GetStribag_GetStribag_Cnt_M_unin Stribag_GetStrib		0 0_ /		
Rec_Call_Sa_MithOnDiag_SystemTime_GetSystemTime_uS_u32(CurrentTime)				
Richard Sa, MichorDiag		0 0_ /	- /	
SVDiag EFETAURPhase Cnt, M, enum			e_setsystem rime_us_usz_surrent rime	
SVDag GericationNerFlock_Crit M_ ur16				
SVDiag_AlmOriverRivac_Cr_M_u16				
SVDiag_AltriOvinitZone_Cnt_M_Use				
SVDiag MITOVINIACINE_CRI_M_1gc	SVDiag GenGateDriveFltAcc Cnt M u16	110		
SVDiag NorthwinistantTime_mS_M_u32p0 1000000 SVDiag OnStateFlAce_Cnt_M_u16 65555 K_GalechnveDiag_Cnt_str.Fireshold 500000 K_GalechnveDiag_Cnt_str.Pistep 110000 K_GalechnveDiag_Cnt_str.Pistep 110000 K_GalechnveDiag_Cnt_str.Nistep 24000 K_GalechnveDiag_Cnt_str.Nistep 24000 K_OnStateDiag_Cnt_str.Nistep 22022 K_OnStateDiag_Cnt_str.Nistep 22022 Larget_Mitto-Diag_Pert_Mittornistsart_Cnt_lgc_value 0 Larget_MittorDiag_Pert_Mittornistsart_Cnt_lgc_value 0 Larget_Ret_Call_Sa_MittorDiag_NatroliagMgr_GentTre_mittor_		0		
SVDiag_AmbroviniStartTime_mS_M_u52p0 000000 0000000 000000000000000	SVDiag MtrDrvInitComp Cnt M Igc	1		
SVDiag ResetWartLoop_Cnt_Mige Cnt_est Pister K_GateDriveDiag_Cnt_est Pister K_GateDriveDriveDiag_Cnt_est Pister K_GateDriveDriveDriveDriveDriveDriveDriveDr		100000		
k_GateDriveDiag_Cnt_str.Threshold k_GateDriveDiag_Cnt_str.Pistep 4444 k_OnStateDiag_Cnt_str.Pistep 4444 k_OnStateDiag_Cnt_str.Pistep 4400 k_OnStateDiag_Cnt_str.Pistep 4000 k_OnStateDiag_Dert_IntDrivrinistart_Cnt_igc value 4000 1	SVDiag_OnStateFltAcc_Cnt_M_u16	65535		
K_GateDriveDiag_Cnt_str.Nstep	SVDiag_ResetWaitLoop_Cnt_M_lgc	0		
K_OnStateDiag_Cnt_str.NStep	k_GateDriveDiag_Cnt_str.Threshold	50000		
k. OnStateDiag Cnt_str.Threshold 11000 k. OnStateDiag Cnt_str.NStep 24000 k. OnStateDiag Cnt_str.NStep 2222 target_NtrOvDiag_Pert_MtrDvrinisStart_Cnt_lgc.value 0 target_Rte_Call_Sa_MtrDvDiag_NetrDiagNtrDiagNtrDiagNtrDiagNtr_GetNTCFailed_NTCFailed_Ptr_T_lg 1 target_Rte_Call_Sa_MtrDvDiag_SystemTime_DtrmnElapsedTime_ms_u16_Elapse 88000 target_Rte_Call_Sa_MtrDvDiag_SystemTime_DtrmnElapsedTime_ms_u16_Elapse 24100 target_Rte_Call_Sa_MtrDvDiag_SystemTime_DtrmnElapsedTime_ms_u22_CurrentTi 600000000 target_Rte_Call_Sa_MtrDvDiag_SystemTime_GetSystemTime_ms_u22_CurrentTi 1400000 target_Rte_Inst_Sa_MtrDvDiag_NtrDvDiag_Pert_ETFTaultPhase_Cnt_enum 1400000 target_Rte_Inst_Sa_MtrDvDiag_NtrDvDiag_Pert_ETFTaultType_Cnt_enum 1400000 target_Rte_Inst_Sa_MtrDvDiag_NtrDvDiag_NtrDvDiag_Pert_ETFTaultType_Cnt_enum 1400000 target_Rte_Inst_Sa_MtrDvDiag_NtrDvDiag_Nert_ETFTaultType_Cnt_enum 1400000 target_Rte_Inst_Sa_MtrDvDiag_NtrDvDiag_Nert_FTETFaultType_Cnt_enum 1400000 target_NtrDvDiag_NtrDvDiag_NtrDvDiag_Nert_FTETFaultType_Cnt_enum 14000000 target_NtrDvDiag_NtrDvDiag_NtrDvDiag_NtrDvDiag_NtrDvDiag_NtrDvDiag_NtrDvDiag_NtrDvDiag_NtrDvDiag_NtrDvDiag_NtrDvDiag_NtrDvDiag_NtrDvDiag_NtrDvDiag_NtrDvDiag_NtrDvDiag_NtrDvDiag_NtrDvDiag_NtrDvDiag	k_GateDriveDiag_Cnt_str.PStep	11000		
k. OnStateDiag_Cnt_str PStep 24000 k. OnStateDiag_Cnt_str NStep 2222 tx_onStateDiag_Cnt_str NStep 2222 target_Rts_Call_Sa_MtrDr/Diag_Pst*IntroDiag_CystenTime_DtrmcEapsedTime_us_t6_Elage_Rts_Call_Sa_MtrDr/Diag_SystenTime_DtrmcEapsedTime_us_t6_Elage_Rts_Call_Sa_MtrDr/Diag_SystenTime_DtrmcEapsedTime_us_t6_Elage_Rts_Call_Sa_MtrDr/Diag_SystenTime_DtrmcEapsedTime_us_t6_Elage_Rts_Call_Sa_MtrDr/Diag_SystenTime_DtrmcEapsedTime_us_t0_Elage_Rts_Call_Sa_MtrDr/Diag_SystenTime_DtrmcEapsedTime_us_t0_Elage_Rts_Call_Sa_MtrDr/Diag_SystenTime_Ost_SystenTime_us_us_2_CurrentTir_target_Rts_Call_Sa_MtrDr/Diag_Pstr_EFFEaultPhase_Cnt_enum_target_Rts_Inst_Sa_MtrDr/Diag_Pstr_EFFEaultPhase_Cnt_enum_target_Rts_Inst_Sa_MtrDr/Diag_Pstr_EFFEaultPhase_Cnt_enum_target_Rts_Inst_Sa_MtrDr/Diag_Pstr_EFFEaultPhase_Cnt_enum_target_Rts_Inst_Sa_MtrDr/Diag_Pstr_Diag_Pstr_MtrDr/Instrat_Cnt_Igc_target_Rts_Inst_Sa_MtrDr/Diag_MtrDr/Diag_Pstr_MtrDr/Instrat_Cnt_Igc_target_Rts_Inst_Sa_MtrDr/Diag_MtrDr/Diag_Pstr_MtrDr/Instrat_Cnt_Igc_target_Rts_Inst_Sa_MtrDr/Diag_MtrDr/Diag_Pstr_MtrDr/Instrat_Cnt_Igc_target_MtrDr/Diag_Pstr_MtrDr/Instrat_Cnt_Igc_target_MtrDr/Diag_Pstr_MtrDr/Instrat_Cnt_Igc_target_MtrDr/Diag_Pstr_MtrDr/Instrat_Cnt_Igc_target_MtrDr/Diag_Pstr_MtrDr/Instrat_Cnt_Igc_target_MtrDr/Diag_Pstr_MtrDr/Instrat_Cnt_Igc_target_MtrDr/Diag_Pstr_MtrDr/Instrat_Cnt_Igc_target_MtrDr/Diag_Pstr_MtrDr/Instrat_Cnt_Igc_target_MtrDr/Diag_Pstr_MtrDr/Diag	k_GateDriveDiag_Cnt_str.NStep	4444		
Result September Septemb	k_OnStateDiag_Cnt_str.Threshold	11000		
Target_MitrDrvDiag_Pert_MitrDrvDiag_Pert_MitrDrvDiag_Pert_North Samuration Sa	k_OnStateDiag_Cnt_str.PStep	24000		
target_Rie_Call_Sa_MirDr/Diag_Perf-It2Cik_OP_GET_signal target_Rie_Call_Sa_MirDr/Diag_Ngr_GethTCFailed_NTCFailed_Prr_T_js 1	k_OnStateDiag_Cnt_str.NStep	2222		
target_Rte_Call_Sa_MtrDrvDlag_NxtrDlagMgr_GetNTCFalled_NTCFalled_Ptr_T_ig target_Rte_Call_Sa_MtrDrvDlag_SystemTime_DtrmnElapsedTime_mS_u16_Elapses target_Rte_Call_Sa_MtrDrvDlag_SystemTime_US_u16_Elapses target_Rte_Call_Sa_MtrDrvDlag_SystemTime_GetSystemTime_uS_u32_CurrentTif target_Rte_Call_Sa_MtrDrvDlag_SystemTime_GetSystemTime_uS_u32_CurrentTif target_Rte_Call_Sa_MtrDrvDlag_SystemTime_GetSystemTime_uS_u32_CurrentTif target_Rte_Inst_Sa_MtrDrvDlag_MtrDrvDlag_Per1_FETFaultPhase_Cnt_enum target_Rte_Inst_Sa_MtrDrvDlag_MtrDrvDlag_Per1_FETFaultPhase_Cnt_enum target_Rte_Inst_Sa_MtrDrvDlag_MtrDrvDlag_Per1_FETFaultPhase_Cnt_enum target_Rte_Inst_Sa_MtrDrvDlag_MtrDrvDlag_Per1_MtrDrvrinitComplete_Cnt_igc target_Rte_Inst_Sa_MtrDrvDlag_MtrDrvDlag_Per1_MtrDrvrinitStart_Cnt_igc target_Rte_Inst_Sa_MtrDrvDlag_MtrDrvDlag_Per1_MtrDrvrinitStart_Cnt_igc target_Rte_Inst_Sa_MtrDrvDlag_MtrDrvDlag_Per1_MtrDrvrinitStart_Cnt_igc target_MtrDrvDlag_Per1_MtrDrvrinitStart_Cnt_igc target_Rte_Inst_Sa_MtrDrvDlag_MtrDrvDlag_Per1_MtrDrvrinitStart_Cnt_igc target_RtrDrvDlag_Per1_MtrDrvrinitStart_Cnt_igc target_RtrDrvDlag_RtrDrvDlag_RtrDrvDlag_Per1_MtrDrvrinitStart_Cnt_igc target_RtrDrvDlag_Per1_MtrDrvDlag_Per1	target_MtrDrvDiag_Per1_MtrDrvrInitStart_Cnt_lgc.value	0		
target_Rte_Call_Sa_MtrDrvDiag_SystemTime_DtmmElapsedTime_mS_u16_Elapse 24100	target_Rte_Call_Sa_MtrDrvDiag_FetFlt2Clk_OP_GET_signal	0		
target_Rte_Call_Sa_MtrDrvDiag_SystemTime_DetSystemTime_MS_u32_CurrentTi 6000000000 target_Rte_Call_Sa_MtrDrvDiag_SystemTime_DetSystemTime_uS_u32_CurrentTi 600000000 target_Rte_Inst_Sa_MtrDrvDiag_SystemTime_DetSystemTime_uS_u32_CurrentTi 14000000 target_Rte_Inst_Sa_MtrDrvDiag_MtrDrvDiag_Per1_FETFaultPhase_Cnt_enum target_Rte_Inst_Sa_MtrDrvDiag_MtrDrvDiag_Per1_GateDriveResetActive_Cnt_go target_Rte_Inst_Sa_MtrDrvDiag_MtrDrvDiag_Per1_MtrDrvInitComplete_Cnt_go target_MtrDrvDiag_Per1_MtrDrvTinitStart_Cnt_lgc target_Rte_Inst_Sa_MtrDrvDiag_MtrDrvDiag_Per1_MtrDrvTinitStart_Cnt_lgc Actual Value Expected Value Result Name Actual Value \$1 1 \$1 SVDiag_FETFaultType_Cnt_Menum 1 1 \$1 \$1 SVDiag_GateDriveFitAcc_Cnt_M_u16 3556 3556 ± 1 \$3 SVDiag_MtrDrvInitCattive_Cnt_M_u16 10 1 \$1 SVDiag_MtrDrvInitStartTime_mS_M_u32p0 1 1 \$1 SVDiag_NotStateFitAcc_Cnt_M_u16 63313 63313 ± 1 \$3 SVDiag_NeseWait.oop_Cnt_M_lgc 0 0 0 VDiag_NeseWait.oop_Cnt_M_lgc 1 1 1 <td< td=""><td>$target_Rte_Call_Sa_MtrDrvDiag_NxtrDiagMgr_GetNTCFailed_NTCFailed_Ptr_T_lgrams and the start of the start of$</td><td>1</td><td></td><td></td></td<>	$target_Rte_Call_Sa_MtrDrvDiag_NxtrDiagMgr_GetNTCFailed_NTCFailed_Ptr_T_lgrams and the start of the start of$	1		
target_Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_us_u32_CurrentTire_target_Rte_Inst_Sa_MtrDrvDiag_SystemTime_GetSystemTime_us_u32_CurrentTire_target_Rte_Inst_Sa_MtrDrvDiag_SystemTime_GetSystemTime_us_u32_CurrentTire_target_Rte_Inst_Sa_MtrDrvDiag_MtrDrvDiag_Per1_FETFaultTpse_Cnt_enum_target_Rte_Inst_Sa_MtrDrvDiag_Per1_FETFaultTpse_Cnt_enum_target_Rte_Inst_Sa_MtrDrvDiag_MtrDrvDiag_Per1_GateDriveResetActive_Cnt_lgc_target_Rte_Inst_Sa_MtrDrvDiag_MtrDrvDiag_Per1_MtrDrvrinitComplete_Cnt_lgc_target_Rte_Inst_Sa_MtrDrvDiag_MtrDrvDiag_Per1_MtrDrvrinitStart_Cnt_lgc_target_Rte_Inst_Sa_MtrDrvDiag_MtrDrvDiag_Per1_MtrDrvrinitStart_Cnt_lgc_target_Rte_Inst_Sa_MtrDrvDiag_Per1_MtrDrvrinitStart_Cnt_lgc_target_Rte_Inst_Sa_MtrDrvDrinitStart_Cnt_lgc_target_Rte_Inst_Sa_MtrDrvDrinitStart_Cnt_lgc_target_Rte_Inst_Sa_MtrDrvDrinitStart_Cnt_lgc_target_Rte_Inst_Sa_MtrDrvDrinitStart_Cnt_lgc_target_Rte_Inst_Sa_MtrDrvDrinitStart_Cnt_lgc_target_Rte_Inst_Sa_MtrDrvDrinitStart_Cnt_lgc_target_Rte_Inst_Sa_MtrDrvDrinitStart_Cnt_lgc_target_Rte_Inst_Sa_MtrDrvDrinitStart_Cnt_lgc_target_Rte_Inst_Sa_MtrDrvDrinitStart_Cnt_lgc_target_Rte_Inst_Sa_Cnt_M_untnnnnnnnnnnnnnnnnnnnnnnnnnnnnnnnn	$target_Rte_Call_Sa_MtrDrvDiag_SystemTime_DtrmnElapsedTime_mS_u16_ElapsetElaps$	38000		
target_Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32_CurrentTir target_Rte_Inst_Sa_MtrDrvDiag_MtrDrvDiag_Perl_EETFaultPhase_Cnt_enum target_Rte_Inst_Sa_MtrDrvDiag_MtrDrvDiag_Perl_EETFaultPhase_Cnt_enum target_MtrDrvDiag_Perl_EETFaultPhase_Cnt_enum target_MtrDrvDiag_Perl_EETFaultPhase_Cnt_enum target_MtrDrvDiag_Perl_EETFaultPhase_Cnt_enum target_MtrDrvDiag_Perl_EETFaultPhase_Cnt_enum target_MtrDrvDiag_Perl_EETFaultPhase_Cnt_enum target_MtrDrvDiag_Perl_EETFaultPhase_Cnt_enum target_MtrDrvDiag_Perl_EETFaultPhase_Cnt_enum target_MtrDrvDiag_Perl_MtrDrvrinitCompletc_Cnt_gc target_MtrDrvDiag_Perl_MtrDrvrinitSlart_Cnt_gc target_MtrDrvDiag_Perl_MtrDrvrinitSlart_Cnt_gc ************************************	target_Rte_Call_Sa_MtrDrvDiag_SystemTime_DtrmnElapsedTime_uS_u16_Elapse	24100		
target_Rte_Inst_Sa_MtrDrvDiag_MtrDrvDiag_Per1_FETFaultPhase_Cnt_enum target_Rte_Inst_Sa_MtrDrvDiag_MtrDrvDiag_Per1_ETFaultPtpe_Cnt_enum target_Rte_Inst_Sa_MtrDrvDiag_MtrDrvDiag_Per1_GateDriveResetActive_Cnt_lgc target_Rte_Inst_Sa_MtrDrvDiag_MtrDrvDiag_Per1_GateDriveResetActive_Cnt_lgc target_Rte_Inst_Sa_MtrDrvDiag_MtrDrvDiag_Per1_MtrDrvrInitComplete_Cnt_lgc target_Rte_Inst_Sa_MtrDrvDiag_MtrDrvDiag_Per1_MtrDrvrInitStart_Cnt_lgc target_Rte_Inst_Sa_MtrDrvDiag_MtrDrvDiag_Per1_MtrDrvrInitStart_Cnt_lgc target_Rte_Inst_Sa_MtrDrvDiag_MtrDrvDiag_Per1_MtrDrvInitStart_Cnt_lgc target_Rte_Inst_Sa_MtrDrvDiag_MtrDrvDiag_Per1_MtrDrvInitStart_Cnt_lgc target_Rte_Inst_Sa_MtrDrvDiag_Per1_MtrDrvDiag_Per1_MtrDrvInitStart_Cnt_lgc Name Actual Value Expected Value Result SVDiag_FETFaultType_Cnt_Menum 1 1 1 1 1 SVDiag_GateDriveFitAcc_Cnt_M_u16 3556 3556 1 3556 1 3556 1 3556 1 3556 1 3556 1 3550 3 3556 1 3550 3 3556 1 3550 3 3556 1 3550 3 3550 1 3550 3 3550 1 3550 1 3550 3 3550 1 3550	$target_Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_mS_u32_CurrentTi$	60000000		
target_Rte_Inst_Sa_MtrDrvDiag_MtrDrvDiag_Per1_FETFaultType_Cnt_enum target_Rte_Inst_Sa_MtrDrvDiag_MtrDrvDiag_Per1_GateDrveResetActive_Cnt_Igc target_Rte_Inst_Sa_MtrDrvDiag_MtrDrvDiag_Per1_MtrDrvInitComplete_Cnt_Igc target_Rte_Inst_Sa_MtrDrvDiag_MtrDrvDiag_Per1_MtrDrvInitStart_Cnt_Igc target_Rte_Inst_Sa_MtrDrvDiag_MtrDrvDiag_Per1_MtrDrvInitStart_Cnt_Igc target_Rte_Inst_Sa_MtrDrvDiag_MtrDrvDriag_Per1_MtrDrvInitStart_Cnt_Igc target_Rte_Inst_Sa_MtrDrvDiag_MtrDrvDriag_Per1_MtrDrvInitStart_Cnt_Igc Name Actual Value Expected Value Result SVDiag_FETFaultType_Cnt_M_enum 1 1 1 1 SVDiag_FETFaultType_Cnt_M_enum 1 1 SVDiag_GateDriveFitAcc_Cnt_M_u16 3556 3556 3556±1 3556±1 3556±1 3550±1 3556±1 3550±1 3	$target_Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32_CurrentTir$	1400000		
target_Rte_Inst_Sa_MtrDrvDiag_MtrDrvDiag_Per1_GateDriveResetActive_Cnt_Igc target_MtrDrvDiag_Per1_MtrDrvDiag_Per1_MtrDrvTinitComplete_Cnt_Igc target_Rte_Inst_Sa_MtrDrvDiag_MtrDrvDiag_Per1_MtrDrvrInitStart_Cnt_Igc target_MtrDrvDiag_Per1_MtrDrvrInitStart_Cnt_Igc Name Actual Value Expected Value Result SVDiag_FETFaultPhase_Cnt_M_enum 1 1 1 SVDiag_GateDriveFItAcc_Cnt_M_u16 3556 3556 ± 1 V SVDiag_GateDriveFItAcc_Cnt_M_u16 110 110 ± 1 V SVDiag_MtrDrvInitActive_Cnt_M_gc 0 0 V SVDiag_MtrDrvInitActive_Cnt_M_lgc 1 1 V SVDiag_MtrDrvInitStartTime_mS_M_u32p0 100000 100000 ± 1 V SVDiag_OnStateFItAcc_Cnt_M_u16 63313 63313 ± 1 V SVDiag_ResetWaitLoop_Cnt_M_lgc 0 0 V Larget_MtrDrvDiag_Per1_FETFaultPhase_Cnt_enum.value 1 1 1 Larget_MtrDrvDiag_Per1_GateDriveResetActive_Cnt_Igc.value 0 0 V Larget_MtrDrvDiag_Per1_MtrDrvInitComplete_Cnt_Igc.value 0 0 V Larget_MtrDrvDiag_Per1_MtrDrvIn	target_Rte_Inst_Sa_MtrDrvDiag.MtrDrvDiag_Per1_FETFaultPhase_Cnt_enum	target_MtrDrvDiag_Per1_FETFaultPhase_Cr	nt_enum	
target_Rte_inst_Sa_MtrDrvDiag_MtrDrvDiag_Perl_MtrDrvrInitComplete_Cnt_igc target_MtrDrvDiag_Perl_MtrDrvrInitStart_Cnt_igc target_MtrDrvDiag_Perl_MtrDrvrInitStart_Cnt_igc target_MtrDrvDiag_Perl_MtrDrvrInitStart_Cnt_igc Target_MtrDrvDiag_Perl_MtrDrvrInitStart_Cnt_igc Result SVDiag_FETFaultPhase_Cnt_M_enum 1 1 1 2 SVDiag_FETFaultType_Cnt_M_enum 1 1 1 3556 ±1 2 SVDiag_GeteDriveFitAcc_Cnt_M_u16 3556 3556 ±1 3556 ±1 3556 ±1 3556 ±1 3556 ±1 3556 ±1 3550 ±1	target_Rte_Inst_Sa_MtrDrvDiag.MtrDrvDiag_Per1_FETFaultType_Cnt_enum	target_MtrDrvDiag_Per1_FETFaultType_Cnt	_enum	
target_Rte_Inst_Sa_MtrDrvDiag_MtrDrvDiag_Per1_MtrDrvrInitStart_Cnt_Igc target_MtrDrvDiag_Per1_MtrDrvrInitStart_Cnt_Igc Name Actual Value Expected Value Result SVDiag_FETFaultType_Cnt_M_enum 1 1 SVDiag_GateDriveFitAcc_Cnt_M_u16 3556 3556 ± 1 SVDiag_GenGateDriveFitAcc_Cnt_M_u16 110 110 ± 1 SVDiag_MtrDrvInitActive_Cnt_M_lgc 0 0 SVDiag_MtrDrvInitStartTime_mS_M_u32p0 100000 100000 ± 1 SVDiag_OnStateFitAcc_Cnt_M_u16 63313 63313 ± 1 SVDiag_ResetWaitLoop_Cnt_M_lgc 0 0 SVDiag_ResetWaitLoop_Cnt_M_lgc 1 1 SVDiag_ResetWaitLoop_Cnt_M_lgc 0 0 target_MtrDrvDiag_Per1_FETFaultPhase_Cnt_enum.value 1 1 target_MtrDrvDiag_Per1_GateDriveResetActive_Cnt_lgc.value 0 0 NTC 0x0D 0x0D	$target_Rte_Inst_Sa_MtrDrvDiag.MtrDrvDiag_Per1_GateDriveResetActive_Cnt_lgc$	target_MtrDrvDiag_Per1_GateDriveResetAct	ive_Cnt_lgc	
Name Actual Value Expected Value Result SVDiag_FETFaultPhase_Cnt_M_enum 1 1 1 1 1 1 VDiag_FETFaultPhase_Cnt_M_enum 1 1 VDIAG_FETFAULTTYPE_Cnt_M_enum 1 1 VDIAG_FETFAULTTYPE_Cnt_M_enum 1 1 VDIAG_FETFAULTTYPE_CNT_M_enum 3556 3556 ± 1 VDIAG_FETFAULTTYPE_CNT_M_u16 3556 3556 ± 1 VDIAG_FETFAULTTYPE_CNT_M_u16 0 0 0 0 VDIAG_FETFAULTTYPE_CNT_M_u16 0 0 0 0 VDIAG_FETFAULTTYPE_CNT_M_u16 0 0 0 0 0 VDIAG_FETFAULTTYPE_CNT_M_u16 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	target_Rte_Inst_Sa_MtrDrvDiag.MtrDrvDiag_Per1_MtrDrvrInitComplete_Cnt_Igc	target_MtrDrvDiag_Per1_MtrDrvrInitComplete	e_Cnt_lgc	
SVDiag_FETFaultPhase_Cnt_M_enum 1 1 1 SVDiag_FETFaultType_Cnt_M_enum 1 1 1 SVDiag_GateDriveFltAcc_Cnt_M_u16 3556 3556 ± 1 3556 ± 1 SVDiag_GenGateDriveFltAcc_Cnt_M_u16 110 110 ± 1 1 SVDiag_MtrDrvInitActive_Cnt_M_lgc 0 0 0 SVDiag_MtrDrvInitComp_Cnt_M_lgc 1 1 1 SVDiag_MtrDrvInitStartTime_mS_M_u32p0 100000 100000 ± 1 357 SVDiag_OnStateFltAcc_Cnt_M_u16 63313 63313 ± 1 357 SVDiag_ResetWaitLoop_Cnt_M_lgc 0 0 0 SVDiag_PersetWaitLoop_Cnt_M_lgc 0 0 0 SVDiag_Per1_FETFaultPhase_Cnt_enum.value 1 1 1 target_MtrDrvDiag_Per1_FETFaultType_Cnt_enum.value 1 1 1 target_MtrDrvDiag_Per1_GateDriveResetActive_Cnt_lgc.value 0 0 0 varget_MtrDrvDriag_Per1_MtrDrvInitComplete_Cnt_lgc.value 1 1 1 NTC 0x4D 0x4D 0x4D Param	target_Rte_Inst_Sa_MtrDrvDiag.MtrDrvDiag_Per1_MtrDrvrInitStart_Cnt_lgc	target_MtrDrvDiag_Per1_MtrDrvrInitStart_Cn	ıt_lgc	
SVDiag_FETFaultType_Cnt_M_enum 1 1 SVDiag_GateDriveFitAcc_Cnt_M_u16 3556 3556 ± 1 SVDiag_GenGateDriveFitAcc_Cnt_M_u16 110 110 ± 1 110 ± 1 SVDiag_GenGateDriveFitAcc_Cnt_M_u16 0 0 VDiag_MtrDrvInitActive_Cnt_M_lgc 0 0 VDiag_MtrDrvInitComp_Cnt_M_lgc 1 1 SVDiag_MtrDrvInitStartTime_mS_M_u32p0 100000 100000 ± 1 100000 ± 1 SVDiag_OnStateFitAcc_Cnt_M_u16 63313 63313 ± 1 SVDiag_ResetWaitLoop_Cnt_M_lgc 0 0 0 4	Name	Actual Value	Expected Value	Result
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SVDiag_GenGateDriveFitAcc_Cnt_M_u16 110 110 ± 1 SVDiag_MtrDrvInitActive_Cnt_M_lgc 0 0 SVDiag_MtrDrvInitStartTime_mS_M_u32p0 1 1 SVDiag_OnStateFitAcc_Cnt_M_u16 63313 63313 ± 1 SVDiag_ResetWaitLoop_Cnt_M_lgc 0 0 SVDiag_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_MtrDrvInitComplete_Cnt_lgc.value 1 1 NTC 0x4D 0x4D Param 0x00 0x00 Status 0x00 0x00 NTC 0x4E 0x4E Param 0x00 0x00	SVDiag_FETFaultType_Cnt_M_enum	1	1	~
SVDiag_MtrDrvInitActive_Cnt_M_lgc 0 0 0 SVDiag_MtrDrvInitComp_Cnt_M_lgc 1 1 1 SVDiag_MtrDrvInitStartTime_mS_M_u32p0 100000 100000 ± 1 5 SVDiag_OnStateFitAcc_Cnt_M_u16 63313 63313 ± 1 5 SVDiag_ResetWaitLoop_Cnt_M_lgc 0 0 0 target_MtrDrvDiag_Per1_FETFaultPhase_Cnt_enum.value 1 1 1 target_MtrDrvDiag_Per1_GateDriveResetActive_Cnt_lgc.value 0 0 0 0 target_MtrDrvDiag_Per1_MtrDrvrInitComplete_Cnt_lgc.value 1 1 1 1 NTC 0x4D 0x4D 0x4D 0x4D Param 0x00 0x00 0x00 0x00 NTC 0x4E 0x4E 0x4E 0x4E Param 0x00 0x00 0x00 0x00 0x00	SVDiag_GateDriveFltAcc_Cnt_M_u16	3556	3556 ± 1	•
SVDiag_MtrDrvInitComp_Cnt_M_lgc 1 1 1 SVDiag_MtrDrvInitStartTime_mS_M_u32p0 100000 100000 ± 1 2 SVDiag_OnStateFitAcc_Cnt_M_u16 63313 63313 ± 1 3 SVDiag_ResetWaitLoop_Cnt_M_lgc 0 0 0 target_MtrDrvDiag_Per1_FETFaultPhase_Cnt_enum.value 1 1 1 target_MtrDrvDiag_Per1_FETFaultType_Cnt_enum.value 1 1 1 4 target_MtrDrvDiag_Per1_GateDriveResetActive_Cnt_lgc.value 0 0 0 4	SVDiag_GenGateDriveFltAcc_Cnt_M_u16	110	110 ± 1	~
SVDiag_MtrDrvInitStartTime_mS_M_u32p0 100000 100000 ± 1 SVDiag_OnStateFitAcc_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 NTC 0x00 0x00 NTC 0x4E 0x4E Param 0x00 0x00	SVDiag_MtrDrvInitActive_Cnt_M_lgc	0	0	~
SVDiag_OnStateFitAcc_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	SVDiag_MtrDrvInitComp_Cnt_M_lgc	1	1	~
SVDiag ResetWaitLoop_Cnt_M_lgc 0 0 0 target_MtrDrvDiag_Per1_EETFaultPhase_Cnt_enum.value 1 1 1 target_MtrDrvDiag_Per1_GateDriveResetActive_Cnt_lgc.value 0 0 0 target_MtrDrvDiag_Per1_MtrDrvrInitComplete_Cnt_lgc.value 1 1 1 NTC 0x4D 0x4D 0x4D Param 0x00 0x00 0x00 Status 0x00 0x00 0x00 NTC 0x4E 0x4E 0x4E Param 0x00 0x00 0x00 0x00	SVDiag_MtrDrvInitStartTime_mS_M_u32p0	100000	100000 ± 1	~
target_MtrDrvDiag_Per1_FETFaultPhase_Cnt_enum.value 1 2 <	SVDiag_OnStateFltAcc_Cnt_M_u16	63313	63313 ± 1	~
target_MtrDrvDiag_Per1_FETFaultType_Cnt_enum.value 1 1 1 target_MtrDrvDiag_Per1_GateDriveResetActive_Cnt_lgc.value 0 0 0 target_MtrDrvDiag_Per1_MtrDrvrInitComplete_Cnt_lgc.value 1 1 1 NTC 0x4D 0x4D 0x4D Param 0x00 0x00 0x00 Status 0x00 0x00 0x00 NTC 0x4E 0x4E 0x4E Param 0x00 0x00 0x00 0x00	SVDiag_ResetWaitLoop_Cnt_M_lgc	0	0	~
target_MtrDrvDiag_Per1_GateDriveResetActive_Cnt_lgc.value 0 0 varget_MtrDrvDiag_Per1_MtrDrvrInitComplete_Cnt_lgc.value 1 1 1 varget_MtrDrvDiag_Per1_MtrDrvrInitComplete_Cnt_lgc.value 0 0x4D 0x4D varget_MtrDrvDiag_Per1_MtrDrvrInitComplete_Cnt_lgc.value 0x4D 0x4D varget_MtrDrvDiag_Per1_MtrDrvrInitComplete_Cnt_lgc.value 0x4D varget_MtrDrvDiag_Per1_MtrDrvrInitComplete_Cnt_lgc.value 0x4D varget_MtrDrvDiag_Per1_MtrDrvrInitComplete_Cnt_lgc.value varget_MtrDrvDiag_Per1_MtrDrvrInitComplete_Cnt_lgc.value 0x4D varget_MtrDrvDiag_Per1_MtrDrvrInitComplete_Cnt_lgc.value varget_MtrDrvDiag_Per1_MtrDrvTlntComplete_Cnt_lgc.value varget_MtrDrvDiag_Per1_MtrDrvTlntComplete_Cnt_lgc.value varget_MtrDrvDiag_Per1_MtrDrvTlntComplete_Cnt_lgc.value varget_MtrDrvTlntComplete_Cnt_lgc.value <t< td=""><td>target_MtrDrvDiag_Per1_FETFaultPhase_Cnt_enum.value</td><td>1</td><td>1</td><td>~</td></t<>	target_MtrDrvDiag_Per1_FETFaultPhase_Cnt_enum.value	1	1	~
target_MtrDrvDiag_Per1_MtrDrvrInitComplete_Cnt_lgc.value 1 1 VAD NTC 0x4D 0x4D VAD Param 0x00 0x00 VAD Status 0x00 0x00 VAD NTC 0x4E 0x4E VAE Param 0x00 0x00 VAD	target_MtrDrvDiag_Per1_FETFaultType_Cnt_enum.value	1	1	~
NTC 0x4D 0x4D Param 0x00 0x00 Status 0x00 0x00 NTC 0x4E 0x4E Param 0x00 0x00	target_MtrDrvDiag_Per1_GateDriveResetActive_Cnt_lgc.value	0	0	~
Param 0x00 0x00 x Status 0x00 0x00 x NTC 0x4E 0x4E x Param 0x00 0x00 x	target_MtrDrvDiag_Per1_MtrDrvrInitComplete_Cnt_lgc.value	1	1	~
Status 0x00 0x00 x NTC 0x4E 0x4E x Param 0x00 0x00 x	NTC	0x4D	0x4D	~
NTC 0x4E 0x4E ✓ Param 0x00 0x00 ✓	Param	0x00	0x00	~
Param 0x00 0x00	Status	0x00	0x00	~
	NTC	0x4E	0x4E	-
Status 0x00 0x00	Param	0x00	0x00	-
	Status	0x00	0x00	-
NTC 0x4F 0x4F ✓	NTC	0x4F	0x4F	~
Param 0x00 0x00 ✓	Param	0x00	0x00	✓
Status 0x00 0x00 ✓				

Τ					
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 MtrDryDiag Per1 CP1 ChecknointReached	1	Pte Call MtrDryDiag Per1 CP1 ChecknointReached	1		



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

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

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



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 -I\$(Compiler Install Path)\include

Comments/Description/Spe	ecification
Name	Text



Module 'MtrDrvDiag'

Name of Tester: Spoorti Mali

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

Module Design Document:Motor_Driver_Diagnostics_MDD.doc
Module Design Document Version: 11
Data Dictionary Version: 11
Unit Test Plan Version: 3
Optimization Level:Level 2
Compiler (CodeGen) Version: TMS470_4.9.5
Model Type: Excel Macro
Model Version:Nexteer EPS Unit Test Tool 2.7d/ EPS Library 1.31
Total FLASH Used (Bytes): 1334
Total RAM Used (Bytes): 17
Total CALS Used (Bytes): 50
Special Test Requirements:
Test Date:01-29-2015
Comments:

Comments:

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

is not unit Tested.

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

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

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

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

Attributes				
Name	Value			
Compiler Install Path	\$(ProgramFiles)\Texas Instruments\ccsv4\tools\compiler\tms470_4.9.5			
Float Precision	9			
InitObjDir	\$(PROJECTROOT)\UnitTestEnv\static_build_files\obj			
InitSrcDir	\$(PROJECTROOT)\UnitTestEnv\static_build_files\src			
Linker File	\$(PROJECTROOT)\UnitTestEnv\static_build_files\sys_link.cmd			
Makefile Template	\$(PROJECTROOT)\UnitTestEnv\config\Nexteer_ts_make_ude_ti_tms570.tpl			
Target Install Path	\$(ProgramFiles)\pls			
Time Unit	Cycles			
Timer Enabled	false			
Timer Prescale	0			
Timer Resolution	1			
UDE Config File	\$(PROJECTROOT)\UnitTestEnv\config\TMS570_UDE_12PIN_JTAG.cfg			
Workspace File	D:\Synergy_Work_Area\CBD_MtrDrvDiag\UnitTestEnv\config\UDE_TMS570_DEBUG.WSP			



Test Case 1: Metrics Test

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

TC1.1 68 Cycles TC1.2 1190725 Cycles

Description Vector Description

TS1.1"Shortest Execution Path:

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

 $\label{thm:continuous} TS1.2"Longest Execution Path: $$((^OnStateFitAccPtr_Cnt_T_u16)<((k_GateDriveDiag_Cnt_str.Threshold)-(k_GateDriveDiag_Cnt_str.PStep) = False && ((^OnStateFitAccPtr_Cnt_T_u16)<((k_GateDriveDiag_Cnt_str.Threshold)-(k_GateDriveDiag_Cnt_str.PStep) = False && ((^OnStateFitAccPtr_Cnt_T_u16)<((k_GateDriveDiag_Cnt_str.Threshold)-(k_GateDriveDiag_Cnt_str.PStep) = False && ((^OnStateFitAccPtr_Cnt_T_u16)<((k_GateDriveDiag_Cnt_str.PStep)) = False && ((^OnStateFitAccPtr_Cnt_Str.PStep) = False && ((^OnStateFitA$

=False && (("OnStateFitAccPtr_Cnt_I_u16)<((k_GateDriveDiag_Cnt_str.1 hreshold)-(k_Gate=True &&
(TRUE == DiagFailed_m(*OnStateFitAccPtr_Cnt_T_u16, k_OnStateDiag_Cnt_str))=True &&
(TRUE == OnStateFitActive_Cnt_T_lgc) =False &&
FaultedPhases_Cnt_T_u16 > 1U) =False
&& (FaultedPhases_Cnt_T_u16 == 1U) =False && (*GenGateDriveFitAccPtr_Cnt_T_u16 >= 100U) "

SVDiag_FETFaultPhase_Cnt_M_enum

target_GenGateDriveFltAccPtr_Cnt_T_u16

 ${\tt SVDiag_FETFaultType_Cnt_M_enum}$

SVDiag_ResetWaitLoop_Cnt_M_lgc

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_NxtrD	iagMgr_GetNTCFailed_NTCFailed_Ptr_T_lgc	
$Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32(CurrentTime)$	target_Rte_Call_Sa_MtrDrvDiag_Syste	mTime_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		
$target_Rte_Call_Sa_MtrDrvDiag_NxtrDiagMgr_GetNTCFailed_NTCFailed_Ptr_Talled$	lg _' 1		
target_Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32_Currer	atTir 4000		
Name	Actual Value	Expected Value	Result
Rte_Call_Sa_MtrDrvDiag_NxtrDiagMgr_SetNTCStatus(NTC_Cnt_T_enum)	0	*none*	~
Rte_Call_Sa_MtrDrvDiag_NxtrDiagMgr_SetNTCStatus(Param_Cnt_T_u08)	0	*none*	~
Rte Call Sa MtrDrvDiag NxtrDiagMgr SetNTCStatus(Status Cnt T enum)	0	*none*	✓

target_OnStateFltAccPtr_Cnt_T_u16		2031	2031		✓
T					V
Actual Function	Count	Expected Function		Count	Result
none	0	*** No Call Expected ***		0	~

2

2

1

20

2

2

1

Name	Input Value		
GenGateDriveFltAccPtr_Cnt_T_u16	target_GenGateDriveFltAccPtr_Cnt_T_u1	6	
OnStateFltAccPtr_Cnt_T_u16	target_OnStateFltAccPtr_Cnt_T_u16		
Rte_Call_Sa_MtrDrvDiag_NxtrDiagMgr_GetNTCFailed(NTCFailed_Ptr_T_lgc)	target_Rte_Call_Sa_MtrDrvDiag_NxtrDiag	Mgr_GetNTCFailed_NTCFailed_Ptr_T_lgc	
Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32(CurrentTime)	target_Rte_Call_Sa_MtrDrvDiag_System	Fime_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 ₁ 0		
target_Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32_Curren	Tir 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	✓





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 Rte_Call_Sa_MtrDrvDiag_FetFlt2Clk_OP_SET	1	Rte_Call_Sa_MtrDrvDiag_FetFlt1Data_OP_GET Rte_Call_Sa_MtrDrvDiag_FetFlt2Clk_OP_SET	1	Ĭ
GateDrvWaitTime	1	GateDrvWaitTime	1	
Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32	1	Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32	1	
Rte_Call_Sa_MtrDrvDiag_SystemTime_DtrmnElapsedTime_uS_u16	1	Rte_Call_Sa_MtrDrvDiag_SystemTime_DtrmnElapsedTime_uS_u16	1	
Rte_Call_Sa_MtrDrvDiag_FetFlt2Clk_OP_SET	1	Rte_Call_Sa_MtrDrvDiag_FetFlt2Clk_OP_SET	1	
GateDrvWaitTime	1	GateDrvWaitTime	1	
Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32	1	Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32	1	
Rte_Call_Sa_MtrDrvDiag_SystemTime_DtrmnElapsedTime_uS_u16	1	Rte_Call_Sa_MtrDrvDiag_SystemTime_DtrmnElapsedTime_uS_u16	1	
Rte_Call_Sa_MtrDrvDiag_FetFlt1Data_OP_GET	1	Rte_Call_Sa_MtrDrvDiag_FetFlt1Data_OP_GET	1	
Rte_Call_Sa_MtrDrvDiag_FetFlt2Clk_OP_SET	1	Rte_Call_Sa_MtrDrvDiag_FetFlt2Clk_OP_SET	1	
GateDrvWaitTime	1	GateDrvWaitTime	1	
Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32	1	Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32	1	•
Rte_Call_Sa_MtrDrvDiag_SystemTime_DtrmnElapsedTime_uS_u16	1	Rte_Call_Sa_MtrDrvDiag_SystemTime_DtrmnElapsedTime_uS_u16	1	-
Rte_Call_Sa_MtrDrvDiag_FetFlt2Clk_OP_SET	1	Rte_Call_Sa_MtrDrvDiag_FetFlt2Clk_OP_SET	1	•
GateDrvWaitTime	1	GateDrvWaitTime	1	•
Rte_Call_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		GateDrvWaitTime		
Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32	1	Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32	1	
Rte_Call_Sa_MtrDrvDiag_SystemTime_DtrmnElapsedTime_uS_u16 Rte_Call_Sa_MtrDrvDiag_FetFlt1Data_OP_GET	1	Rte_Call_Sa_MtrDrvDiag_SystemTime_DtrmnElapsedTime_uS_u16 Rte_Call_Sa_MtrDrvDiag_FetFlt1Data_OP_GET	1	
Rte_Call_Sa_MtrDrvDiag_FetFlt2Clk_OP_SET	1	Rte_Call_Sa_MtrDrvDiag_FetFlt2Clk_OP_SET	1	
GateDrvWaitTime	1	GateDrvWaitTime	1	j
Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32	1	Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32	1	•
Rte_Call_Sa_MtrDrvDiag_SystemTime_DtrmnElapsedTime_uS_u16	1	Rte Call Sa MtrDrvDiag SystemTime DtrmnElapsedTime uS u16	1	
Rte Call Sa MtrDrvDiag FetFlt2Clk OP SET	1	Rte_Call_Sa_MtrDrvDiag_FetFlt2Clk_OP_SET	1	•
GateDrvWaitTime	1	GateDrvWaitTime	1	
Rte_Call_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	1 253	Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32	1	
Rte_Call_Sa_MtrDrvDiag_SystemTime_DtrmnElapsedTime_uS_u16		Rte_Call_Sa_MtrDrvDiag_SystemTime_DtrmnElapsedTime_uS_u16	253	
Rte_Call_Sa_MtrDrvDiag_FetFlt1Data_OP_GET Rte_Call_Sa_MtrDrvDiag_FetFlt2Clk_OP_SET	1	Rte_Call_Sa_MtrDrvDiag_FetFlt1Data_OP_GET Rte_Call_Sa_MtrDrvDiag_FetFlt2Clk_OP_SET	1	
GateDrvWaitTime	1	GateDrvWaitTime	1	
Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32	1	Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32	1	
Rte_Call_Sa_MtrDrvDiag_SystemTime_detsystemTime_uS_u32 Rte_Call_Sa_MtrDrvDiag_SystemTime_DtrmnElapsedTime_uS_u16	1	Rte_Call_Sa_MtrDrvDiag_SystemTime_DtrmnElapsedTime_uS_u16	1	
Rte_Call_Sa_MtrDrvDiag_System** Inte_Dtrime_lapsed** Inte_uS_u** Rte_Call_Sa_MtrDrvDiag_FetFlt2Clk_OP_SET	1	Rte Call Sa MtrDrvDiag FetFlt2Clk OP SET	1	
GateDrvWaitTime	1	GateDrvWaitTime	1	
Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32	1	Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32	1	
Rte_Call_Sa_MtrDrvDiag_SystemTime_DtrmnElapsedTime_uS_u16	1	Rte_Call_Sa_MtrDrvDiag_SystemTime_DtrmnElapsedTime_uS_u16	1	•
Rte_Call_Sa_MtrDrvDiag_FetFlt1Data_OP_GET	1	Rte_Call_Sa_MtrDrvDiag_FetFlt1Data_OP_GET	1	
Rte_Call_Sa_MtrDrvDiag_FetFlt2Clk_OP_SET	1	Rte_Call_Sa_MtrDrvDiag_FetFlt2Clk_OP_SET	1	•



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



Test Case 2: Boundary Test

Specification

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

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

Description

Vector Description

TS2.16All Max

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

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

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

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Actual Function	Count	Expected Function	Count	Resul
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 Rte_Call_Sa_MtrDrvDiag_FetFlt2Clk_OP_SET	1	Rte_Call_Sa_MtrDrvDiag_FetFlt1Data_OP_GET Rte_Call_Sa_MtrDrvDiag_FetFlt2Clk_OP_SET	1	
GateDrvWaitTime	1	GateDrvWaitTime	1	
Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32	1	Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32	1	
Rte Call Sa MtrDrvDiag SystemTime DtrmnElapsedTime uS u16	1	Rte Call Sa MtrDrvDiag SystemTime DtrmnElapsedTime uS u16	1	
Rte_Call_Sa_MtrDrvDiag_FetFlt2Clk_OP_SET	1	Rte_Call_Sa_MtrDrvDiag_FetFlt2Clk_OP_SET	1	
GateDrvWaitTime	1	GateDrvWaitTime	1	
Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32	1	Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32	1	
Rte_Call_Sa_MtrDrvDiag_SystemTime_DtrmnElapsedTime_uS_u16	1	Rte_Call_Sa_MtrDrvDiag_SystemTime_DtrmnElapsedTime_uS_u16	1	
Rte_Call_Sa_MtrDrvDiag_FetFlt1Data_OP_GET	1	Rte_Call_Sa_MtrDrvDiag_FetFlt1Data_OP_GET	1	
Rte_Call_Sa_MtrDrvDiag_FetFlt2Clk_OP_SET	1	Rte_Call_Sa_MtrDrvDiag_FetFlt2Clk_OP_SET	1	
GateDrvWaitTime	1	GateDrvWaitTime	1	-
Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32	1	Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32	1	•
Rte_Call_Sa_MtrDrvDiag_SystemTime_DtrmnElapsedTime_uS_u16	1	Rte_Call_Sa_MtrDrvDiag_SystemTime_DtrmnElapsedTime_uS_u16	1	-
Rte_Call_Sa_MtrDrvDiag_FetFlt2Clk_OP_SET	1	Rte_Call_Sa_MtrDrvDiag_FetFlt2Clk_OP_SET	1	•
GateDrvWaitTime	1	GateDrvWaitTime	1	•
Rte_Call_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	•
GateDryWaitTime	1	GateDrvWaitTime	1	
Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32	1	Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32	1	
Rte_Call_Sa_MtrDrvDiag_SystemTime_DtrmnElapsedTime_uS_u16 Rte_Call_Sa_MtrDrvDiag_FetFlt1Data_OP_GET	1	Rte_Call_Sa_MtrDrvDiag_SystemTime_DtrmnElapsedTime_uS_u16 Rte_Call_Sa_MtrDrvDiag_FetFlt1Data_OP_GET	1	
Rte_Call_Sa_MtrDrvDiag_FetFlt2Clk_OP_SET	1	Rte_Call_Sa_MtrDrvDiag_FetFlt2Clk_OP_SET	1	
GateDrvWaitTime	1	GateDrvWaitTime	1	
Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32	1	Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32	1	•
Rte_Call_Sa_MtrDrvDiag_SystemTime_DtrmnElapsedTime_uS_u16	1	Rte Call Sa MtrDrvDiag SystemTime DtrmnElapsedTime uS u16	1	
Rte_Call_Sa_MtrDrvDiag_FetFlt2Clk_OP_SET	1	Rte_Call_Sa_MtrDrvDiag_FetFlt2Clk_OP_SET	1	•
GateDrvWaitTime	1	GateDrvWaitTime	1	
Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32	1	Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32	1	•
Rte_Call_Sa_MtrDrvDiag_SystemTime_DtrmnElapsedTime_uS_u16	253	Rte_Call_Sa_MtrDrvDiag_SystemTime_DtrmnElapsedTime_uS_u16	253	-
Rte_Call_Sa_MtrDrvDiag_FetFlt1Data_OP_GET	1	Rte_Call_Sa_MtrDrvDiag_FetFlt1Data_OP_GET	1	•
Rte_Call_Sa_MtrDrvDiag_FetFlt2Clk_OP_SET	1	Rte_Call_Sa_MtrDrvDiag_FetFlt2Clk_OP_SET	1	-
GateDrvWaitTime	1	GateDrvWaitTime	1	-
Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32	1	Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32	1	•
Rte_Call_Sa_MtrDrvDiag_SystemTime_DtrmnElapsedTime_uS_u16	1	Rte_Call_Sa_MtrDrvDiag_SystemTime_DtrmnElapsedTime_uS_u16	1	•
Rte_Call_Sa_MtrDrvDiag_FetFlt2Clk_OP_SET	1	Rte_Call_Sa_MtrDrvDiag_FetFlt2Clk_OP_SET	1	-
GateDrvWaitTime	1	GateDrvWaitTime	1	•
Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32	1	Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32	1	•
Rte_Call_Sa_MtrDrvDiag_SystemTime_DtrmnElapsedTime_uS_u16	1	Rte_Call_Sa_MtrDrvDiag_SystemTime_DtrmnElapsedTime_uS_u16	1	•
Rte_Call_Sa_MtrDrvDiag_FetFlt1Data_OP_GET	1	Rte_Call_Sa_MtrDrvDiag_FetFlt1Data_OP_GET	1	•
Rte_Call_Sa_MtrDrvDiag_FetFlt2Clk_OP_SET	1	Rte_Call_Sa_MtrDrvDiag_FetFlt2Clk_OP_SET	1	•
GateDrvWaitTime	1	GateDrvWaitTime	1	•
Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32	1	Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32	1	•
Rte_Call_Sa_MtrDrvDiag_SystemTime_DtrmnElapsedTime_uS_u16	1	Rte_Call_Sa_MtrDrvDiag_SystemTime_DtrmnElapsedTime_uS_u16	1	•
Rte_Call_Sa_MtrDrvDiag_FetFlt2Clk_OP_SET	1	Rte_Call_Sa_MtrDrvDiag_FetFlt2Clk_OP_SET	1	•
GateDryWaitTime	1	GateDrvWaitTime	1	•
Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32	1 253	Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32	253	
Rte_Call_Sa_MtrDrvDiag_SystemTime_DtrmnElapsedTime_uS_u16 Rte_Call_Sa_MtrDrvDiag_FetFlt1Data_OP_GET	253	Rte_Call_Sa_MtrDrvDiag_SystemTime_DtrmnElapsedTime_uS_u16 Rte_Call_Sa_MtrDrvDiag_FetFlt1Data_OP_GET	253 1	
Rte_Call_Sa_MtrDrvDiag_FetFit1Data_OP_GE1 Rte_Call_Sa_MtrDrvDiag_FetFlt2Clk_OP_SET	1	Rte_Call_Sa_MtrDrvDiag_FetFlt2Clk_OP_SET	1	
GateDrvWaitTime	1	GateDrvWaitTime	1	
Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32	1	Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32	1	
Rte_Call_Sa_MtrDrvDiag_SystemTime_GetsystemTime_uS_u32 Rte_Call_Sa_MtrDrvDiag_SystemTime_DtrmnElapsedTime_uS_u16	1	Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_us_us2 Rte_Call_Sa_MtrDrvDiag_SystemTime_DtrmnElapsedTime_uS_u16	1	
Rte_Call_Sa_MtrDrvDiag_SystemTime_DtrimielapsedTime_uS_uTo Rte_Call_Sa_MtrDrvDiag_FetFlt2Clk_OP_SET	1	Rte Call Sa MtrDrvDiag FetFlt2Clk OP SET	1	
GateDrvWaitTime	1	GateDrvWaitTime	1	
Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32	1	Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32	1	
Rte_Call_Sa_MtrDrvDiag_SystemTime_DtrmnElapsedTime_uS_u16	1	Rte_Call_Sa_MtrDrvDiag_SystemTime_DtrmnElapsedTime_uS_u16	1	
Rte_Call_Sa_MtrDrvDiag_FetFlt1Data_OP_GET	1	Rte_Call_Sa_MtrDrvDiag_FetFlt1Data_OP_GET	1	
Rte_Call_Sa_MtrDrvDiag_FetFlt2Clk_OP_SET	1	Rte_Call_Sa_MtrDrvDiag_FetFlt2Clk_OP_SET	1	•
				_



Actual Function	Count	Expected Function	Count	Result
Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32	1	Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32	1	•
Rte_Call_Sa_MtrDrvDiag_SystemTime_DtrmnElapsedTime_uS_u16	1	Rte_Call_Sa_MtrDrvDiag_SystemTime_DtrmnElapsedTime_uS_u16	1	~
Rte_Call_Sa_MtrDrvDiag_FetFlt2Clk_OP_SET	1	Rte_Call_Sa_MtrDrvDiag_FetFlt2Clk_OP_SET	1	~
GateDrvWaitTime	1	GateDrvWaitTime	1	~
Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32	1	Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32	1	~
Rte_Call_Sa_MtrDrvDiag_SystemTime_DtrmnElapsedTime_uS_u16	253	Rte_Call_Sa_MtrDrvDiag_SystemTime_DtrmnElapsedTime_uS_u16	253	~
Rte_Call_Sa_MtrDrvDiag_FetFlt1Data_OP_GET	1	Rte_Call_Sa_MtrDrvDiag_FetFlt1Data_OP_GET	1	~
Rte_Call_Sa_MtrDrvDiag_FetFlt2Clk_OP_SET	1	Rte_Call_Sa_MtrDrvDiag_FetFlt2Clk_OP_SET	1	~
GateDrvWaitTime	1	GateDrvWaitTime	1	~
Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32	1	Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32	1	~
Rte_Call_Sa_MtrDrvDiag_SystemTime_DtrmnElapsedTime_uS_u16	1	Rte_Call_Sa_MtrDrvDiag_SystemTime_DtrmnElapsedTime_uS_u16	1	~
Rte_Call_Sa_MtrDrvDiag_FetFlt2Clk_OP_SET	1	Rte_Call_Sa_MtrDrvDiag_FetFlt2Clk_OP_SET	1	~
GateDrvWaitTime	1	GateDrvWaitTime	1	~
Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32	1	Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32	1	~
Rte_Call_Sa_MtrDrvDiag_SystemTime_DtrmnElapsedTime_uS_u16	1	Rte_Call_Sa_MtrDrvDiag_SystemTime_DtrmnElapsedTime_uS_u16	1	•
Rte_Call_Sa_MtrDrvDiag_FetFlt1Data_OP_GET	1	Rte_Call_Sa_MtrDrvDiag_FetFlt1Data_OP_GET	1	~
Rte_Call_Sa_MtrDrvDiag_FetFlt2Clk_OP_SET	1	Rte_Call_Sa_MtrDrvDiag_FetFlt2Clk_OP_SET	1	~
GateDrvWaitTime	1	GateDrvWaitTime	1	~
Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32	1	Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32	1	~
Rte_Call_Sa_MtrDrvDiag_SystemTime_DtrmnElapsedTime_uS_u16	1	Rte_Call_Sa_MtrDrvDiag_SystemTime_DtrmnElapsedTime_uS_u16	1	~
Rte_Call_Sa_MtrDrvDiag_IoHwAbPortConfig_SetFetFlt2ToOutput	1	Rte_Call_Sa_MtrDrvDiag_IoHwAbPortConfig_SetFetFlt2ToOutput	1	~
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_NxtrDiagM	lgr_GetNTCFailed_NTCFailed_Ptr_T_lgc	
Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32(CurrentTime)	target_Rte_Call_Sa_MtrDrvDiag_SystemTin	ne_GetSystemTime_uS_u32_CurrentTime	
SVDiag_FETFaultPhase_Cnt_M_enum	2		
SVDiag_FETFaultType_Cnt_M_enum	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		
$target_Rte_Call_Sa_MtrDrvDiag_NxtrDiagMgr_GetNTCFailed_NTCFailed_Ptr_T_lgrams and target_Rte_Call_Sa_MtrDrvDiag_NxtrDiagMgr_GetNTCFailed_NTCFailed_Ptr_T_lgrams and target_Rte_Call_Sa_MtrDrvDiag_NxtrDiagMgr_GetNTCFailed_NTCFailed_Ptr_T_lgrams and target_Rte_Call_Sa_MtrDrvDiag_NxtrDiagMgr_GetNTCFailed_NTCFailed_Ptr_T_lgrams and target_Rte_Call_Sa_MtrDrvDiag_NxtrDiagMgr_GetNTCFailed_NTCFailed_Ptr_T_lgrams and target_Rte_Call_Sa_MtrDrvDiag_NxtrDiagMgr_GetNTCFailed_NTCFailed_Ptr_T_lgrams and target_Rte_Call_Sa_MtrDrvDiag_NxtrDiagMgr_GetNTCFailed_NTCFailed_NTCFailed_Ptr_T_lgrams and target_Rte_Call_Sa_MtrDrvDiag_NxtrDiagMgr_GetNTCFailed_NTCFailed_NTCFailed_Ptr_T_lgrams and target_Rte_Call_Sa_MtrDrvDiag_NxtrDiagMgr_GetNTCFailed_NTC$	1		
$target_Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32_CurrentTire_uS_u32_CurrentTire_uS_u32_CurrentTire_uS_u32_CurrentTire_uS_u32_CurrentTire_uS_u32_CurrentTire_uS_u33_Curren$	1000		
Name	Actual Value	Expected Value	Result
Rte_Call_Sa_MtrDrvDiag_NxtrDiagMgr_SetNTCStatus(NTC_Cnt_T_enum)	79	79	-
Rte_Call_Sa_MtrDrvDiag_NxtrDiagMgr_SetNTCStatus(Param_Cnt_T_u08)	1	1	/
Rte_Call_Sa_MtrDrvDiag_NxtrDiagMgr_SetNTCStatus(Status_Cnt_T_enum)	1	1	✓
SVDiag_FETFaultPhase_Cnt_M_enum	2	2	/
SVDiag_FETFaultType_Cnt_M_enum	1	1	✓
SVDiag_ResetWaitLoop_Cnt_M_lgc	1	1	•
target_GenGateDriveFltAccPtr_Cnt_T_u16	150	150	✓
target_OnStateFltAccPtr_Cnt_T_u16	900	900	-

Τ					
Actual Function	Count	Expected Function	Count	Result	
Rte_Call_Sa_MtrDrvDiag_NxtrDiagMgr_GetNTCFailed	1	Rte_Call_Sa_MtrDrvDiag_NxtrDiagMgr_GetNTCFailed	1	~	
Rte_Call_Sa_MtrDrvDiag_NxtrDiagMgr_SetNTCStatus	1	Rte_Call_Sa_MtrDrvDiag_NxtrDiagMgr_SetNTCStatus	1	✓	

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



Name	Input Value		
target_Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32_CurrentTime_us_u32_CurrentT	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	~





Actual Function	Count	Expected Function	Count	Result
Rte_Call_Sa_MtrDrvDiag_NxtrDiagMgr_GetNTCFailed	1	Rte_Call_Sa_MtrDrvDiag_NxtrDiagMgr_GetNTCFailed	1	~
ReadMtrDrvFltData	1	ReadMtrDrvFltData	1	~
Rte_Call_Sa_MtrDrvDiag_loHwAbPortConfig_SetFetFlt2ToOutput	1	Rte_Call_Sa_MtrDrvDiag_loHwAbPortConfig_SetFetFlt2ToOutput	1	~
Rte_Call_Sa_MtrDrvDiag_FetFlt2Clk_OP_SET	1	Rte_Call_Sa_MtrDrvDiag_FetFlt2Clk_OP_SET	1	V
GateDrvWaitTime	1	GateDrvWaitTime	1	•
Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32	1	Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32	1	V
Rte_Call_Sa_MtrDrvDiag_SystemTime_DtrmnElapsedTime_uS_u16 Rte_Call_Sa_MtrDrvDiag_FetFlt1Data_OP_GET	1	Rte_Call_Sa_MtrDrvDiag_SystemTime_DtrmnElapsedTime_uS_u16 Rte_Call_Sa_MtrDrvDiag_FetFlt1Data_OP_GET	1	~
Rte_Call_Sa_MtrDrvDiag_FetFlt2Clk_OP_SET	1	Rte_Call_Sa_MtrDrvDiag_FetFlt2Clk_OP_SET	1	
GateDrvWaitTime	1	GateDrvWaitTime	1	· ·
Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32	1	Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32	1	-
Rte_Call_Sa_MtrDrvDiag_SystemTime_DtrmnElapsedTime_uS_u16	1	Rte_Call_Sa_MtrDrvDiag_SystemTime_DtrmnElapsedTime_uS_u16	1	~
Rte_Call_Sa_MtrDrvDiag_FetFlt2Clk_OP_SET	1	Rte_Call_Sa_MtrDrvDiag_FetFlt2Clk_OP_SET	1	_
GateDrvWaitTime	1	GateDrvWaitTime	1	~
Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32	1	Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32	1	~
Rte_Call_Sa_MtrDrvDiag_SystemTime_DtrmnElapsedTime_uS_u16	1	Rte_Call_Sa_MtrDrvDiag_SystemTime_DtrmnElapsedTime_uS_u16	1	~
Rte_Call_Sa_MtrDrvDiag_FetFlt1Data_OP_GET	1	Rte_Call_Sa_MtrDrvDiag_FetFlt1Data_OP_GET	1	~
Rte_Call_Sa_MtrDrvDiag_FetFlt2Clk_OP_SET	1	Rte_Call_Sa_MtrDrvDiag_FetFlt2Clk_OP_SET	1	~
GateDrvWaitTime	1	GateDrvWaitTime	1	~
Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32	1	Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32	1	~
Rte_Call_Sa_MtrDrvDiag_SystemTime_DtrmnElapsedTime_uS_u16	1	Rte_Call_Sa_MtrDrvDiag_SystemTime_DtrmnElapsedTime_uS_u16	1	~
Rte_Call_Sa_MtrDrvDiag_FetFlt2Clk_OP_SET	1	Rte_Call_Sa_MtrDrvDiag_FetFlt2Clk_OP_SET	1	~
GateDrvWaitTime	1	GateDrvWaitTime	1	~
Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32	1	Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32	1	~
Rte_Call_Sa_MtrDrvDiag_SystemTime_DtrmnElapsedTime_uS_u16	253	Rte_Call_Sa_MtrDrvDiag_SystemTime_DtrmnElapsedTime_uS_u16	253	~
Rte_Call_Sa_MtrDrvDiag_FetFlt1Data_OP_GET	1	Rte_Call_Sa_MtrDrvDiag_FetFlt1Data_OP_GET	1	~
Rte_Call_Sa_MtrDrvDiag_FetFlt2Clk_OP_SET	1	Rte_Call_Sa_MtrDrvDiag_FetFlt2Clk_OP_SET	1	~
GateDrvWaitTime	1	GateDrvWaitTime	1	V
Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32	1	Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32	1	~
Rte_Call_Sa_MtrDrvDiag_SystemTime_DtrmnElapsedTime_uS_u16	1	Rte_Call_Sa_MtrDrvDiag_SystemTime_DtrmnElapsedTime_uS_u16	1	V
Rte_Call_Sa_MtrDrvDiag_FetFlt2Clk_OP_SET	1	Rte_Call_Sa_MtrDrvDiag_FetFlt2Clk_OP_SET	1	✓
GateDrvWaitTime	1	GateDrvWaitTime Pto Coll So MtDrvDing SystemTime CotSystemTime us us	1	
Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32 Rte_Call_Sa_MtrDrvDiag_SystemTime_DtrmnElapsedTime_uS_u16	1	Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32 Rte_Call_Sa_MtrDrvDiag_SystemTime_DtrmnElapsedTime_uS_u16	1	~
Rte_Call_Sa_MtrDrvDiag_FetFlt1Data_OP_GET	1	Rte_Call_Sa_MtrDrvDiag_FetFlt1Data_OP_GET	1	
Rte_Call_Sa_MtrDrvDiag_FetFlt2Clk_OP_SET	1	Rte_Call_Sa_MtrDrvDiag_FetFlt2Clk_OP_SET	1	-
GateDrvWaitTime	1	GateDrvWaitTime	1	
Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32	1	Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32	1	~
Rte_Call_Sa_MtrDrvDiag_SystemTime_DtrmnElapsedTime_uS_u16	1	Rte_Call_Sa_MtrDrvDiag_SystemTime_DtrmnElapsedTime_uS_u16	1	-
Rte_Call_Sa_MtrDrvDiag_FetFlt2Clk_OP_SET	1	Rte_Call_Sa_MtrDrvDiag_FetFlt2Clk_OP_SET	1	•
GateDrvWaitTime	1	GateDrvWaitTime	1	_
Rte Call Sa MtrDrvDiag SystemTime GetSystemTime uS u32	1	Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32	1	~
Rte Call Sa MtrDrvDiag SystemTime DtrmnElapsedTime uS u16	253	Rte_Call_Sa_MtrDrvDiag_SystemTime_DtrmnElapsedTime_uS_u16	253	~
Rte_Call_Sa_MtrDrvDiag_FetFlt1Data_OP_GET	1	Rte_Call_Sa_MtrDrvDiag_FetFlt1Data_OP_GET	1	•
Rte_Call_Sa_MtrDrvDiag_FetFlt2Clk_OP_SET	1	Rte_Call_Sa_MtrDrvDiag_FetFlt2Clk_OP_SET	1	~
GateDrvWaitTime	1	GateDrvWaitTime	1	~
Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32	1	Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32	1	~
Rte_Call_Sa_MtrDrvDiag_SystemTime_DtrmnElapsedTime_uS_u16	1	Rte_Call_Sa_MtrDrvDiag_SystemTime_DtrmnElapsedTime_uS_u16	1	~
Rte_Call_Sa_MtrDrvDiag_FetFlt2Clk_OP_SET	1	Rte_Call_Sa_MtrDrvDiag_FetFlt2Clk_OP_SET	1	~
GateDrvWaitTime	1	GateDrvWaitTime	1	~
Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32	1	Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32	1	~
Rte_Call_Sa_MtrDrvDiag_SystemTime_DtrmnElapsedTime_uS_u16	1	Rte_Call_Sa_MtrDrvDiag_SystemTime_DtrmnElapsedTime_uS_u16	1	~
Rte_Call_Sa_MtrDrvDiag_FetFlt1Data_OP_GET	1	Rte_Call_Sa_MtrDrvDiag_FetFlt1Data_OP_GET	1	~
Rte_Call_Sa_MtrDrvDiag_FetFlt2Clk_OP_SET	1	Rte_Call_Sa_MtrDrvDiag_FetFlt2Clk_OP_SET	1	~
GateDrvWaitTime	1	GateDrvWaitTime	1	~
Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32	1	Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32	1	~
Rte_Call_Sa_MtrDrvDiag_SystemTime_DtrmnElapsedTime_uS_u16	1	Rte_Call_Sa_MtrDrvDiag_SystemTime_DtrmnElapsedTime_uS_u16	1	~
Rte_Call_Sa_MtrDrvDiag_FetFlt2Clk_OP_SET	1	Rte_Call_Sa_MtrDrvDiag_FetFlt2Clk_OP_SET	1	~
GateDrvWaitTime	1	GateDrvWaitTime	1	~
Rte_Call_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	V
Rte_Call_Sa_MtrDrvDiag_FetFlt2Clk_OP_SET	1	Rte_Call_Sa_MtrDrvDiag_FetFlt2Clk_OP_SET	1	•
GateDryWaitTime Pto Call So MtrDryDiag SystemTime CotSystemTime us us use	1	GateDrvWaitTime Pto Coll So MtDrvDing SystemTime CotSystemTime us us	1	V
Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32	1	Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32	1	•
Rte_Call_Sa_MtrDrvDiag_SystemTime_DtrmnElapsedTime_uS_u16	1	Rte_Call_Sa_MtrDrvDiag_SystemTime_DtrmnElapsedTime_uS_u16	1	V
Rte_Call_Sa_MtrDrvDiag_FetFlt2Clk_OP_SET	1	Rte_Call_Sa_MtrDrvDiag_FetFlt2Clk_OP_SET	1	~
GateDrvWaitTime Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32	1	GateDrvWaitTime Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32	1	~
Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_us_us2 Rte_Call_Sa_MtrDrvDiag_SystemTime_DtrmnElapsedTime_uS_u16	1	Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32 Rte_Call_Sa_MtrDrvDiag_SystemTime_DtrmnElapsedTime_uS_u16	1	~
Rte_Call_Sa_MtrDrvDiag_FetFlt1Data_OP_GET	1	Rte_Call_Sa_MtrDrvDiag_FetFlt1Data_OP_GET	1	
Rte_Call_Sa_MtrDrvDiag_FetFlt2Clk_OP_SET	1	Rte_Call_Sa_MtrDrvDiag_FetFlt2Clk_OP_SET	1	~
GateDrvWaitTime	1	GateDrvWaitTime	1	
	1.		Ι,	· •



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

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





Actual Function		Expected Function	Count	Result
Rte_Call_Sa_MtrDrvDiag_NxtrDiagMgr_GetNTCFailed	1	Rte_Call_Sa_MtrDrvDiag_NxtrDiagMgr_GetNTCFailed	1	•
ReadMtrDrvFltData	1	ReadMtrDrvFltData	1	•
Rte_Call_Sa_MtrDrvDiag_loHwAbPortConfig_SetFetFlt2ToOutput	1	Rte_Call_Sa_MtrDrvDiag_loHwAbPortConfig_SetFetFlt2ToOutput	1	•
Rte_Call_Sa_MtrDrvDiag_FetFlt2Clk_OP_SET	1	Rte_Call_Sa_MtrDrvDiag_FetFlt2Clk_OP_SET	1	•
GateDrvWaitTime	1	GateDrvWaitTime	1	•
Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32 Rte_Call_Sa_MtrDrvDiag_SystemTime_DtrmnElapsedTime_uS_u16	1	Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32 Rte_Call_Sa_MtrDrvDiag_SystemTime_DtrmnElapsedTime_uS_u16	1	j
Rte_Call_Sa_MtrDrvDiag_FetFlt1Data_OP_GET	1	Rte_Call_Sa_MtrDrvDiag_FetFlt1Data_OP_GET	1	
Rte_Call_Sa_MtrDrvDiag_FetFlt2Clk_OP_SET	1	Rte_Call_Sa_MtrDrvDiag_FetFlt2Clk_OP_SET	1	
GateDrvWaitTime	1	GateDrvWaitTime	1	•
Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32	1	Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32	1	
Rte Call Sa MtrDrvDiag SystemTime DtrmnElapsedTime uS u16	1	Rte Call Sa MtrDrvDiag SystemTime DtrmnElapsedTime uS u16	1	•
Rte Call Sa MtrDrvDiag FetFlt2Clk OP SET	1	Rte_Call_Sa_MtrDrvDiag_FetFlt2Clk_OP_SET	1	
GateDrvWaitTime	1	GateDrvWaitTime	1	•
Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32	1	Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32	1	-
Rte_Call_Sa_MtrDrvDiag_SystemTime_DtrmnElapsedTime_uS_u16	1	Rte_Call_Sa_MtrDrvDiag_SystemTime_DtrmnElapsedTime_uS_u16	1	•
Rte_Call_Sa_MtrDrvDiag_FetFlt1Data_OP_GET	1	Rte_Call_Sa_MtrDrvDiag_FetFlt1Data_OP_GET	1	-
Rte_Call_Sa_MtrDrvDiag_FetFlt2Clk_OP_SET	1	Rte_Call_Sa_MtrDrvDiag_FetFlt2Clk_OP_SET	1	-
GateDrvWaitTime	1	GateDrvWaitTime	1	-
Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32	1	Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32	1	•
Rte_Call_Sa_MtrDrvDiag_SystemTime_DtrmnElapsedTime_uS_u16	1	Rte_Call_Sa_MtrDrvDiag_SystemTime_DtrmnElapsedTime_uS_u16	1	-
Rte_Call_Sa_MtrDrvDiag_FetFlt2Clk_OP_SET	1	Rte_Call_Sa_MtrDrvDiag_FetFlt2Clk_OP_SET	1	•
GateDrvWaitTime	1	GateDrvWaitTime	1	•
Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32	1	Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32	1	•
Rte_Call_Sa_MtrDrvDiag_SystemTime_DtrmnElapsedTime_uS_u16	253	Rte_Call_Sa_MtrDrvDiag_SystemTime_DtrmnElapsedTime_uS_u16	253	•
Rte_Call_Sa_MtrDrvDiag_FetFlt1Data_OP_GET	1	Rte_Call_Sa_MtrDrvDiag_FetFlt1Data_OP_GET	1	•
Rte_Call_Sa_MtrDrvDiag_FetFlt2Clk_OP_SET	1	Rte_Call_Sa_MtrDrvDiag_FetFlt2Clk_OP_SET	1	•
GateDrvWaitTime Pto Call So MtrDrvDing SystemTime CotSystemTime us us2	1	GateDrvWaitTime	1	•
Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32	1	Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32	1	
Rte_Call_Sa_MtrDrvDiag_SystemTime_DtrmnElapsedTime_uS_u16 Rte_Call_Sa_MtrDrvDiag_FetFlt2Clk_OP_SET	1	Rte_Call_Sa_MtrDrvDiag_SystemTime_DtrmnElapsedTime_uS_u16 Rte_Call_Sa_MtrDrvDiag_FetFlt2Clk_OP_SET	1	Ĭ
GateDrvWaitTime	1	GateDrvWaitTime	1	
Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32	1	Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32	1	
Rte_Call_Sa_MtrDrvDiag_SystemTime_DtrmnElapsedTime_uS_u16	1	Rte_Call_Sa_MtrDrvDiag_SystemTime_DtrmnElapsedTime_uS_u16	1	
Rte_Call_Sa_MtrDrvDiag_FetFlt1Data_OP_GET	1	Rte_Call_Sa_MtrDrvDiag_FetFlt1Data_OP_GET	1	
Rte_Call_Sa_MtrDrvDiag_FetFlt2Clk_OP_SET	1	Rte_Call_Sa_MtrDrvDiag_FetFlt2Clk_OP_SET	1	-
GateDrvWaitTime	1	GateDrvWaitTime	1	-
Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32	1	Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32	1	-
Rte_Call_Sa_MtrDrvDiag_SystemTime_DtrmnElapsedTime_uS_u16	1	Rte_Call_Sa_MtrDrvDiag_SystemTime_DtrmnElapsedTime_uS_u16	1	-
Rte_Call_Sa_MtrDrvDiag_FetFlt2Clk_OP_SET	1	Rte_Call_Sa_MtrDrvDiag_FetFlt2Clk_OP_SET	1	-
GateDrvWaitTime	1	GateDrvWaitTime	1	-
Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32	1	Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32	1	-
Rte_Call_Sa_MtrDrvDiag_SystemTime_DtrmnElapsedTime_uS_u16	253	Rte_Call_Sa_MtrDrvDiag_SystemTime_DtrmnElapsedTime_uS_u16	253	-
Rte_Call_Sa_MtrDrvDiag_FetFlt1Data_OP_GET	1	Rte_Call_Sa_MtrDrvDiag_FetFlt1Data_OP_GET	1	•
Rte_Call_Sa_MtrDrvDiag_FetFlt2Clk_OP_SET	1	Rte_Call_Sa_MtrDrvDiag_FetFlt2Clk_OP_SET	1	~
GateDrvWaitTime	1	GateDrvWaitTime	1	•
Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32	1	Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32	1	_
Rte_Call_Sa_MtrDrvDiag_SystemTime_DtrmnElapsedTime_uS_u16	1	Rte_Call_Sa_MtrDrvDiag_SystemTime_DtrmnElapsedTime_uS_u16	1	•
Rte_Call_Sa_MtrDrvDiag_FetFlt2Clk_OP_SET	1	Rte_Call_Sa_MtrDrvDiag_FetFlt2Clk_OP_SET	1	•
GateDrvWaitTime	1	GateDrvWaitTime	1	•
Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32 Rte_Call_Sa_MtrDrvDiag_SystemTime_DtrmnElapsedTime_uS_u16	1	Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32 Rte_Call_Sa_MtrDrvDiag_SystemTime_DtrmnElapsedTime_uS_u16	1	•
Rte Call Sa MtrDrvDiag FetFlt1Data OP GET	1		1	Ĭ
Rte_Call_Sa_MtrDrvDiag_FetFlt2Clk_OP_SET	1	Rte_Call_Sa_MtrDrvDiag_FetFlt1Data_OP_GET Rte_Call_Sa_MtrDrvDiag_FetFlt2Clk_OP_SET	1	
GateDrvWaitTime	1	GateDrvWaitTime	1	Ĭ
Rte Call Sa MtrDrvDiag SystemTime GetSystemTime uS u32	1	Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32	1	
Rte_Call_Sa_MtrDrvDiag_SystemTime_DtrmnElapsedTime_uS_u16	1	Rte_Call_Sa_MtrDrvDiag_SystemTime_DtrmnElapsedTime_uS_u16	1	
Rte_Call_Sa_MtrDrvDiag_FetFlt2Clk_OP_SET	1	Rte_Call_Sa_MtrDrvDiag_FetFlt2Clk_OP_SET	1	•
GateDrvWaitTime	1	GateDrvWaitTime	1	
Rte_Call_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	



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

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





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 Rte_Call_Sa_MtrDrvDiag_FetFlt2Clk_OP_SET	1	Rte_Call_Sa_MtrDrvDiag_FetFlt1Data_OP_GET Rte_Call_Sa_MtrDrvDiag_FetFlt2Clk_OP_SET	1	Ĭ
GateDrvWaitTime	1	GateDrvWaitTime	1	
Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32	1	Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32	1	
Rte_Call_Sa_MtrDrvDiag_SystemTime_DtrmnElapsedTime_uS_u16	1	Rte_Call_Sa_MtrDrvDiag_SystemTime_DtrmnElapsedTime_uS_u16	1	
Rte_Call_Sa_MtrDrvDiag_FetFlt2Clk_OP_SET	1	Rte_Call_Sa_MtrDrvDiag_FetFlt2Clk_OP_SET	1	
GateDrvWaitTime	1	GateDrvWaitTime	1	
Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32	1	Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32	1	
Rte_Call_Sa_MtrDrvDiag_SystemTime_DtrmnElapsedTime_uS_u16	1	Rte_Call_Sa_MtrDrvDiag_SystemTime_DtrmnElapsedTime_uS_u16	1	
Rte_Call_Sa_MtrDrvDiag_FetFlt1Data_OP_GET	1	Rte_Call_Sa_MtrDrvDiag_FetFlt1Data_OP_GET	1	
Rte_Call_Sa_MtrDrvDiag_FetFlt2Clk_OP_SET	1	Rte_Call_Sa_MtrDrvDiag_FetFlt2Clk_OP_SET	1	
GateDrvWaitTime	1	GateDrvWaitTime	1	
Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32	1	Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32	1	•
Rte_Call_Sa_MtrDrvDiag_SystemTime_DtrmnElapsedTime_uS_u16	1	Rte_Call_Sa_MtrDrvDiag_SystemTime_DtrmnElapsedTime_uS_u16	1	-
Rte_Call_Sa_MtrDrvDiag_FetFlt2Clk_OP_SET	1	Rte_Call_Sa_MtrDrvDiag_FetFlt2Clk_OP_SET	1	•
GateDrvWaitTime	1	GateDrvWaitTime	1	•
Rte_Call_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		GateDrvWaitTime		
Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32	1	Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32	1	
Rte_Call_Sa_MtrDrvDiag_SystemTime_DtrmnElapsedTime_uS_u16 Rte_Call_Sa_MtrDrvDiag_FetFlt1Data_OP_GET	1	Rte_Call_Sa_MtrDrvDiag_SystemTime_DtrmnElapsedTime_uS_u16 Rte_Call_Sa_MtrDrvDiag_FetFlt1Data_OP_GET	1	
Rte_Call_Sa_MtrDrvDiag_FetFlt2Clk_OP_SET	1	Rte_Call_Sa_MtrDrvDiag_FetFlt2Clk_OP_SET	1	
GateDrvWaitTime	1	GateDrvWaitTime	1	j
Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32	1	Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32	1	•
Rte_Call_Sa_MtrDrvDiag_SystemTime_DtrmnElapsedTime_uS_u16	1	Rte Call Sa MtrDrvDiag SystemTime DtrmnElapsedTime uS u16	1	
Rte Call Sa MtrDrvDiag FetFlt2Clk OP SET	1	Rte_Call_Sa_MtrDrvDiag_FetFlt2Clk_OP_SET	1	•
GateDrvWaitTime	1	GateDrvWaitTime	1	
Rte_Call_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	1 253	Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32	1	
Rte_Call_Sa_MtrDrvDiag_SystemTime_DtrmnElapsedTime_uS_u16		Rte_Call_Sa_MtrDrvDiag_SystemTime_DtrmnElapsedTime_uS_u16	253	
Rte_Call_Sa_MtrDrvDiag_FetFlt1Data_OP_GET Rte_Call_Sa_MtrDrvDiag_FetFlt2Clk_OP_SET	1	Rte_Call_Sa_MtrDrvDiag_FetFlt1Data_OP_GET Rte_Call_Sa_MtrDrvDiag_FetFlt2Clk_OP_SET	1	
GateDrvWaitTime	1	GateDrvWaitTime	1	
Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32	1	Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32	1	
Rte_Call_Sa_MtrDrvDiag_SystemTime_detsystemTime_uS_u32 Rte_Call_Sa_MtrDrvDiag_SystemTime_DtrmnElapsedTime_uS_u16	1	Rte_Call_Sa_MtrDrvDiag_SystemTime_DtrmnElapsedTime_uS_u16	1	
Rte_Call_Sa_MtrDrvDiag_System** Inte_Dtrime_lapsed** Inte_uS_u** Rte_Call_Sa_MtrDrvDiag_FetFlt2Clk_OP_SET	1	Rte Call Sa MtrDrvDiag FetFlt2Clk OP SET	1	
GateDrvWaitTime	1	GateDrvWaitTime	1	
Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32	1	Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32	1	
Rte_Call_Sa_MtrDrvDiag_SystemTime_DtrmnElapsedTime_uS_u16	1	Rte_Call_Sa_MtrDrvDiag_SystemTime_DtrmnElapsedTime_uS_u16	1	•
Rte_Call_Sa_MtrDrvDiag_FetFlt1Data_OP_GET	1	Rte_Call_Sa_MtrDrvDiag_FetFlt1Data_OP_GET	1	
Rte_Call_Sa_MtrDrvDiag_FetFlt2Clk_OP_SET	1	Rte_Call_Sa_MtrDrvDiag_FetFlt2Clk_OP_SET	1	•



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

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





Actual Function	Count	Expected Function	Count	Resul
Rte_Call_Sa_MtrDrvDiag_NxtrDiagMgr_GetNTCFailed	1	Rte_Call_Sa_MtrDrvDiag_NxtrDiagMgr_GetNTCFailed	1	•
ReadMtrDrvFltData	1	ReadMtrDrvFltData	1	•
Rte_Call_Sa_MtrDrvDiag_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 Rte_Call_Sa_MtrDrvDiag_FetFlt2Clk_OP_SET	1	Rte_Call_Sa_MtrDrvDiag_FetFlt1Data_OP_GET Rte_Call_Sa_MtrDrvDiag_FetFlt2Clk_OP_SET	1	
GateDrvWaitTime	1	GateDrvWaitTime	1	
Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32	1	Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32	1	
Rte Call Sa MtrDrvDiag SystemTime DtrmnElapsedTime uS u16	1	Rte Call Sa MtrDrvDiag SystemTime DtrmnElapsedTime uS u16	1	
Rte_Call_Sa_MtrDrvDiag_FetFlt2Clk_OP_SET	1	Rte_Call_Sa_MtrDrvDiag_FetFlt2Clk_OP_SET	1	
GateDrvWaitTime	1	GateDrvWaitTime	1	
Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32	1	Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32	1	
Rte_Call_Sa_MtrDrvDiag_SystemTime_DtrmnElapsedTime_uS_u16	1	Rte_Call_Sa_MtrDrvDiag_SystemTime_DtrmnElapsedTime_uS_u16	1	
Rte_Call_Sa_MtrDrvDiag_FetFlt1Data_OP_GET	1	Rte_Call_Sa_MtrDrvDiag_FetFlt1Data_OP_GET	1	
Rte_Call_Sa_MtrDrvDiag_FetFlt2Clk_OP_SET	1	Rte_Call_Sa_MtrDrvDiag_FetFlt2Clk_OP_SET	1	
GateDrvWaitTime	1	GateDrvWaitTime	1	-
Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32	1	Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32	1	•
Rte_Call_Sa_MtrDrvDiag_SystemTime_DtrmnElapsedTime_uS_u16	1	Rte_Call_Sa_MtrDrvDiag_SystemTime_DtrmnElapsedTime_uS_u16	1	-
Rte_Call_Sa_MtrDrvDiag_FetFlt2Clk_OP_SET	1	Rte_Call_Sa_MtrDrvDiag_FetFlt2Clk_OP_SET	1	•
GateDrvWaitTime	1	GateDrvWaitTime	1	•
Rte_Call_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	•
GateDryWaitTime	1	GateDrvWaitTime	1	
Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32	1	Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32	1	
Rte_Call_Sa_MtrDrvDiag_SystemTime_DtrmnElapsedTime_uS_u16 Rte_Call_Sa_MtrDrvDiag_FetFlt1Data_OP_GET	1	Rte_Call_Sa_MtrDrvDiag_SystemTime_DtrmnElapsedTime_uS_u16 Rte_Call_Sa_MtrDrvDiag_FetFlt1Data_OP_GET	1	
Rte_Call_Sa_MtrDrvDiag_FetFlt2Clk_OP_SET	1	Rte_Call_Sa_MtrDrvDiag_FetFlt2Clk_OP_SET	1	
GateDrvWaitTime	1	GateDrvWaitTime	1	
Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32	1	Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32	1	•
Rte_Call_Sa_MtrDrvDiag_SystemTime_DtrmnElapsedTime_uS_u16	1	Rte Call Sa MtrDrvDiag SystemTime DtrmnElapsedTime uS u16	1	
Rte_Call_Sa_MtrDrvDiag_FetFlt2Clk_OP_SET	1	Rte_Call_Sa_MtrDrvDiag_FetFlt2Clk_OP_SET	1	•
GateDrvWaitTime	1	GateDrvWaitTime	1	
Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32	1	Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32	1	•
Rte_Call_Sa_MtrDrvDiag_SystemTime_DtrmnElapsedTime_uS_u16	253	Rte_Call_Sa_MtrDrvDiag_SystemTime_DtrmnElapsedTime_uS_u16	253	-
Rte_Call_Sa_MtrDrvDiag_FetFlt1Data_OP_GET	1	Rte_Call_Sa_MtrDrvDiag_FetFlt1Data_OP_GET	1	•
Rte_Call_Sa_MtrDrvDiag_FetFlt2Clk_OP_SET	1	Rte_Call_Sa_MtrDrvDiag_FetFlt2Clk_OP_SET	1	-
GateDrvWaitTime	1	GateDrvWaitTime	1	-
Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32	1	Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32	1	•
Rte_Call_Sa_MtrDrvDiag_SystemTime_DtrmnElapsedTime_uS_u16	1	Rte_Call_Sa_MtrDrvDiag_SystemTime_DtrmnElapsedTime_uS_u16	1	•
Rte_Call_Sa_MtrDrvDiag_FetFlt2Clk_OP_SET	1	Rte_Call_Sa_MtrDrvDiag_FetFlt2Clk_OP_SET	1	-
GateDrvWaitTime	1	GateDrvWaitTime	1	•
Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32	1	Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32	1	•
Rte_Call_Sa_MtrDrvDiag_SystemTime_DtrmnElapsedTime_uS_u16	1	Rte_Call_Sa_MtrDrvDiag_SystemTime_DtrmnElapsedTime_uS_u16	1	•
Rte_Call_Sa_MtrDrvDiag_FetFlt1Data_OP_GET	1	Rte_Call_Sa_MtrDrvDiag_FetFlt1Data_OP_GET	1	•
Rte_Call_Sa_MtrDrvDiag_FetFlt2Clk_OP_SET	1	Rte_Call_Sa_MtrDrvDiag_FetFlt2Clk_OP_SET	1	•
GateDrvWaitTime	1	GateDrvWaitTime	1	•
Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32	1	Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32	1	•
Rte_Call_Sa_MtrDrvDiag_SystemTime_DtrmnElapsedTime_uS_u16	1	Rte_Call_Sa_MtrDrvDiag_SystemTime_DtrmnElapsedTime_uS_u16	1	•
Rte_Call_Sa_MtrDrvDiag_FetFlt2Clk_OP_SET	1	Rte_Call_Sa_MtrDrvDiag_FetFlt2Clk_OP_SET	1	•
GateDryWaitTime	1	GateDrvWaitTime	1	•
Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32	1 253	Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32	253	
Rte_Call_Sa_MtrDrvDiag_SystemTime_DtrmnElapsedTime_uS_u16 Rte_Call_Sa_MtrDrvDiag_FetFlt1Data_OP_GET	253	Rte_Call_Sa_MtrDrvDiag_SystemTime_DtrmnElapsedTime_uS_u16 Rte_Call_Sa_MtrDrvDiag_FetFlt1Data_OP_GET	253 1	
Rte_Call_Sa_MtrDrvDiag_FetFit1Data_OP_GE1 Rte_Call_Sa_MtrDrvDiag_FetFlt2Clk_OP_SET	1	Rte_Call_Sa_MtrDrvDiag_FetFlt2Clk_OP_SET	1	
GateDrvWaitTime	1	GateDrvWaitTime	1	
Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32	1	Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32	1	
Rte_Call_Sa_MtrDrvDiag_SystemTime_GetsystemTime_uS_u32 Rte_Call_Sa_MtrDrvDiag_SystemTime_DtrmnElapsedTime_uS_u16	1	Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_us_us2 Rte_Call_Sa_MtrDrvDiag_SystemTime_DtrmnElapsedTime_uS_u16	1	
Rte_Call_Sa_MtrDrvDiag_SystemTime_DtrimielapsedTime_uS_uTo Rte_Call_Sa_MtrDrvDiag_FetFlt2Clk_OP_SET	1	Rte Call Sa MtrDrvDiag FetFlt2Clk OP SET	1	
GateDrvWaitTime	1	GateDrvWaitTime	1	
Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32	1	Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32	1	
Rte_Call_Sa_MtrDrvDiag_SystemTime_DtrmnElapsedTime_uS_u16	1	Rte_Call_Sa_MtrDrvDiag_SystemTime_DtrmnElapsedTime_uS_u16	1	
Rte_Call_Sa_MtrDrvDiag_FetFlt1Data_OP_GET	1	Rte_Call_Sa_MtrDrvDiag_FetFlt1Data_OP_GET	1	
Rte_Call_Sa_MtrDrvDiag_FetFlt2Clk_OP_SET	1	Rte_Call_Sa_MtrDrvDiag_FetFlt2Clk_OP_SET	1	•
				_



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

Name	Input Value		
GenGateDriveFltAccPtr_Cnt_T_u16	target_GenGateDriveFltAccPtr_Cnt_T_u16		
OnStateFltAccPtr_Cnt_T_u16	target_OnStateFltAccPtr_Cnt_T_u16		
Rte_Call_Sa_MtrDrvDiag_NxtrDiagMgr_GetNTCFailed(NTCFailed_Ptr_T_lgc)	target_Rte_Call_Sa_MtrDrvDiag_NxtrDiagM	lgr_GetNTCFailed_NTCFailed_Ptr_T_lgc	
Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32(CurrentTime)	target_Rte_Call_Sa_MtrDrvDiag_SystemTin	ne_GetSystemTime_uS_u32_CurrentTime	
SVDiag_FETFaultPhase_Cnt_M_enum	1		
SVDiag_FETFaultType_Cnt_M_enum	1		
SVDiag_ResetWaitLoop_Cnt_M_lgc	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_lgr	0		
target_Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32_CurrentTir	0		
Name	Actual Value	Expected Value	Result
Rte_Call_Sa_MtrDrvDiag_NxtrDiagMgr_SetNTCStatus(NTC_Cnt_T_enum)	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	J





Actual Function	Count	Expected Function	Count	Result
Rte_Call_Sa_MtrDrvDiag_NxtrDiagMgr_GetNTCFailed	1	Rte_Call_Sa_MtrDrvDiag_NxtrDiagMgr_GetNTCFailed	1	~
ReadMtrDrvFltData	1	ReadMtrDrvFltData	1	~
Rte_Call_Sa_MtrDrvDiag_loHwAbPortConfig_SetFetFlt2ToOutput	1	Rte_Call_Sa_MtrDrvDiag_loHwAbPortConfig_SetFetFlt2ToOutput	1	~
Rte_Call_Sa_MtrDrvDiag_FetFlt2Clk_OP_SET	1	Rte_Call_Sa_MtrDrvDiag_FetFlt2Clk_OP_SET	1	V
GateDrvWaitTime	1	GateDrvWaitTime	1	•
Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32	1	Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32	1	V
Rte_Call_Sa_MtrDrvDiag_SystemTime_DtrmnElapsedTime_uS_u16 Rte_Call_Sa_MtrDrvDiag_FetFlt1Data_OP_GET	1	Rte_Call_Sa_MtrDrvDiag_SystemTime_DtrmnElapsedTime_uS_u16 Rte_Call_Sa_MtrDrvDiag_FetFlt1Data_OP_GET	1	~
Rte_Call_Sa_MtrDrvDiag_FetFlt2Clk_OP_SET	1	Rte_Call_Sa_MtrDrvDiag_FetFlt2Clk_OP_SET	1	
GateDrvWaitTime	1	GateDrvWaitTime	1	· ·
Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32	1	Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32	1	-
Rte_Call_Sa_MtrDrvDiag_SystemTime_DtrmnElapsedTime_uS_u16	1	Rte_Call_Sa_MtrDrvDiag_SystemTime_DtrmnElapsedTime_uS_u16	1	~
Rte_Call_Sa_MtrDrvDiag_FetFlt2Clk_OP_SET	1	Rte_Call_Sa_MtrDrvDiag_FetFlt2Clk_OP_SET	1	_
GateDrvWaitTime	1	GateDrvWaitTime	1	~
Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32	1	Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32	1	~
Rte_Call_Sa_MtrDrvDiag_SystemTime_DtrmnElapsedTime_uS_u16	1	Rte_Call_Sa_MtrDrvDiag_SystemTime_DtrmnElapsedTime_uS_u16	1	~
Rte_Call_Sa_MtrDrvDiag_FetFlt1Data_OP_GET	1	Rte_Call_Sa_MtrDrvDiag_FetFlt1Data_OP_GET	1	~
Rte_Call_Sa_MtrDrvDiag_FetFlt2Clk_OP_SET	1	Rte_Call_Sa_MtrDrvDiag_FetFlt2Clk_OP_SET	1	~
GateDrvWaitTime	1	GateDrvWaitTime	1	~
Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32	1	Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32	1	~
Rte_Call_Sa_MtrDrvDiag_SystemTime_DtrmnElapsedTime_uS_u16	1	Rte_Call_Sa_MtrDrvDiag_SystemTime_DtrmnElapsedTime_uS_u16	1	~
Rte_Call_Sa_MtrDrvDiag_FetFlt2Clk_OP_SET	1	Rte_Call_Sa_MtrDrvDiag_FetFlt2Clk_OP_SET	1	~
GateDrvWaitTime	1	GateDrvWaitTime	1	~
Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32	1	Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32	1	~
Rte_Call_Sa_MtrDrvDiag_SystemTime_DtrmnElapsedTime_uS_u16	253	Rte_Call_Sa_MtrDrvDiag_SystemTime_DtrmnElapsedTime_uS_u16	253	~
Rte_Call_Sa_MtrDrvDiag_FetFlt1Data_OP_GET	1	Rte_Call_Sa_MtrDrvDiag_FetFlt1Data_OP_GET	1	~
Rte_Call_Sa_MtrDrvDiag_FetFlt2Clk_OP_SET	1	Rte_Call_Sa_MtrDrvDiag_FetFlt2Clk_OP_SET	1	~
GateDrvWaitTime	1	GateDrvWaitTime	1	V
Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32	1	Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32	1	~
Rte_Call_Sa_MtrDrvDiag_SystemTime_DtrmnElapsedTime_uS_u16	1	Rte_Call_Sa_MtrDrvDiag_SystemTime_DtrmnElapsedTime_uS_u16	1	V
Rte_Call_Sa_MtrDrvDiag_FetFlt2Clk_OP_SET	1	Rte_Call_Sa_MtrDrvDiag_FetFlt2Clk_OP_SET	1	✓
GateDrvWaitTime	1	GateDrvWaitTime Pto Coll So MtDrvDing SystemTime CotSystemTime us us	1	
Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32 Rte_Call_Sa_MtrDrvDiag_SystemTime_DtrmnElapsedTime_uS_u16	1	Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32 Rte_Call_Sa_MtrDrvDiag_SystemTime_DtrmnElapsedTime_uS_u16	1	~
Rte_Call_Sa_MtrDrvDiag_FetFlt1Data_OP_GET	1	Rte_Call_Sa_MtrDrvDiag_FetFlt1Data_OP_GET	1	
Rte_Call_Sa_MtrDrvDiag_FetFlt2Clk_OP_SET	1	Rte_Call_Sa_MtrDrvDiag_FetFlt2Clk_OP_SET	1	-
GateDrvWaitTime	1	GateDrvWaitTime	1	
Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32	1	Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32	1	~
Rte_Call_Sa_MtrDrvDiag_SystemTime_DtrmnElapsedTime_uS_u16	1	Rte_Call_Sa_MtrDrvDiag_SystemTime_DtrmnElapsedTime_uS_u16	1	-
Rte_Call_Sa_MtrDrvDiag_FetFlt2Clk_OP_SET	1	Rte_Call_Sa_MtrDrvDiag_FetFlt2Clk_OP_SET	1	•
GateDrvWaitTime	1	GateDrvWaitTime	1	-
Rte Call Sa MtrDrvDiag SystemTime GetSystemTime uS u32	1	Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32	1	~
Rte Call Sa MtrDrvDiag SystemTime DtrmnElapsedTime uS u16	253	Rte_Call_Sa_MtrDrvDiag_SystemTime_DtrmnElapsedTime_uS_u16	253	~
Rte_Call_Sa_MtrDrvDiag_FetFlt1Data_OP_GET	1	Rte_Call_Sa_MtrDrvDiag_FetFlt1Data_OP_GET	1	•
Rte_Call_Sa_MtrDrvDiag_FetFlt2Clk_OP_SET	1	Rte_Call_Sa_MtrDrvDiag_FetFlt2Clk_OP_SET	1	~
GateDrvWaitTime	1	GateDrvWaitTime	1	~
Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32	1	Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32	1	~
Rte_Call_Sa_MtrDrvDiag_SystemTime_DtrmnElapsedTime_uS_u16	1	Rte_Call_Sa_MtrDrvDiag_SystemTime_DtrmnElapsedTime_uS_u16	1	~
Rte_Call_Sa_MtrDrvDiag_FetFlt2Clk_OP_SET	1	Rte_Call_Sa_MtrDrvDiag_FetFlt2Clk_OP_SET	1	~
GateDrvWaitTime	1	GateDrvWaitTime	1	~
Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32	1	Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32	1	~
Rte_Call_Sa_MtrDrvDiag_SystemTime_DtrmnElapsedTime_uS_u16	1	Rte_Call_Sa_MtrDrvDiag_SystemTime_DtrmnElapsedTime_uS_u16	1	~
Rte_Call_Sa_MtrDrvDiag_FetFlt1Data_OP_GET	1	Rte_Call_Sa_MtrDrvDiag_FetFlt1Data_OP_GET	1	~
Rte_Call_Sa_MtrDrvDiag_FetFlt2Clk_OP_SET	1	Rte_Call_Sa_MtrDrvDiag_FetFlt2Clk_OP_SET	1	~
GateDrvWaitTime	1	GateDrvWaitTime	1	~
Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32	1	Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32	1	~
Rte_Call_Sa_MtrDrvDiag_SystemTime_DtrmnElapsedTime_uS_u16	1	Rte_Call_Sa_MtrDrvDiag_SystemTime_DtrmnElapsedTime_uS_u16	1	~
Rte_Call_Sa_MtrDrvDiag_FetFlt2Clk_OP_SET	1	Rte_Call_Sa_MtrDrvDiag_FetFlt2Clk_OP_SET	1	~
GateDrvWaitTime	1	GateDrvWaitTime	1	~
Rte_Call_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	V
Rte_Call_Sa_MtrDrvDiag_FetFlt2Clk_OP_SET	1	Rte_Call_Sa_MtrDrvDiag_FetFlt2Clk_OP_SET	1	•
GateDryWaitTime Pto Call So MtrDryDiag SystemTime CotSystemTime us us use	1	GateDrvWaitTime Pto Coll So MtDrvDing SystemTime CotSystemTime us us	1	V
Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32	1	Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32	1	•
Rte_Call_Sa_MtrDrvDiag_SystemTime_DtrmnElapsedTime_uS_u16	1	Rte_Call_Sa_MtrDrvDiag_SystemTime_DtrmnElapsedTime_uS_u16	1	V
Rte_Call_Sa_MtrDrvDiag_FetFlt2Clk_OP_SET	1	Rte_Call_Sa_MtrDrvDiag_FetFlt2Clk_OP_SET	1	~
GateDrvWaitTime Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32	1	GateDrvWaitTime Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32	1	~
Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_us_us2 Rte_Call_Sa_MtrDrvDiag_SystemTime_DtrmnElapsedTime_uS_u16	1	Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32 Rte_Call_Sa_MtrDrvDiag_SystemTime_DtrmnElapsedTime_uS_u16	1	~
Rte_Call_Sa_MtrDrvDiag_FetFlt1Data_OP_GET	1	Rte_Call_Sa_MtrDrvDiag_FetFlt1Data_OP_GET	1	
Rte_Call_Sa_MtrDrvDiag_FetFlt2Clk_OP_SET	1	Rte_Call_Sa_MtrDrvDiag_FetFlt2Clk_OP_SET	1	~
GateDrvWaitTime	1	GateDrvWaitTime	1	
	1.		Ι,	· •



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_NxtrDiagM	gr_GetNTCFailed_NTCFailed_Ptr_T_lgc	
Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32(CurrentTime)	target_Rte_Call_Sa_MtrDrvDiag_SystemTim	ne_GetSystemTime_uS_u32_CurrentTime	
SVDiag_FETFaultPhase_Cnt_M_enum	2		
SVDiag_FETFaultType_Cnt_M_enum	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		
$target_Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32_CurrentTire_uS_u32_CurrentTire_uS_u32_CurrentTire_uS_u32_CurrentTire_uS_u32_CurrentTire_uS_u32_CurrentTire_uS_u32_CurrentTire_uS_u332_CurrentT$	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_OnStateFitAccPtr_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)			✓
Name	Input Value		
GenGateDriveFltAccPtr_Cnt_T_u16	target_GenGateDriveFltAccPtr_Cnt_T_u16		
OnStateFltAccPtr_Cnt_T_u16	target_OnStateFltAccPtr_Cnt_T_u16		
Rte_Call_Sa_MtrDrvDiag_NxtrDiagMgr_GetNTCFailed(NTCFailed_Ptr_T_lgc)	target_Rte_Call_Sa_MtrDrvDiag_NxtrDiagMg	gr_GetNTCFailed_NTCFailed_Ptr_T_lgc	
Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32(CurrentTime)	target_Rte_Call_Sa_MtrDrvDiag_SystemTim	e_GetSystemTime_uS_u32_CurrentTime	
SVDiag_FETFaultPhase_Cnt_M_enum	3		
SVDiag_FETFaultType_Cnt_M_enum	0		
SVDiag_ResetWaitLoop_Cnt_M_lgc	1		
k_OnStateDiag_Cnt_str.Threshold	775		
k_OnStateDiag_Cnt_str.PStep	1632		
target_GenGateDriveFltAccPtr_Cnt_T_u16	30		
target_OnStateFltAccPtr_Cnt_T_u16	92		
$target_Rte_Call_Sa_MtrDrvDiag_NxtrDiagMgr_GetNTCFailed_NTCFailed_Ptr_T_lg$	0		
$target_Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32_CurrentTire_ususususususususususususususususususus$	4500		
Name	Actual Value	Expected Value	Result
Rte_Call_Sa_MtrDrvDiag_NxtrDiagMgr_SetNTCStatus(NTC_Cnt_T_enum)	79	79	~
Rte_Call_Sa_MtrDrvDiag_NxtrDiagMgr_SetNTCStatus(Param_Cnt_T_u08)	1	1	~
Rte_Call_Sa_MtrDrvDiag_NxtrDiagMgr_SetNTCStatus(Status_Cnt_T_enum)	1	1	-
SVDiag_FETFaultPhase_Cnt_M_enum	3	3	~
SVDiag_FETFaultType_Cnt_M_enum	2	2	~
SVDiag_ResetWaitLoop_Cnt_M_lgc	1	1	~
target_GenGateDriveFltAccPtr_Cnt_T_u16	30	30	~
target_OnStateFltAccPtr_Cnt_T_u16	775	775	~





Actual Function	Count	Expected Function	Count	Result
Rte_Call_Sa_MtrDrvDiag_NxtrDiagMgr_GetNTCFailed	1	Rte_Call_Sa_MtrDrvDiag_NxtrDiagMgr_GetNTCFailed	1	~
ReadMtrDrvFltData	1	ReadMtrDrvFltData	1	~
Rte_Call_Sa_MtrDrvDiag_loHwAbPortConfig_SetFetFlt2ToOutput	1	Rte_Call_Sa_MtrDrvDiag_loHwAbPortConfig_SetFetFlt2ToOutput	1	~
Rte_Call_Sa_MtrDrvDiag_FetFlt2Clk_OP_SET	1	Rte_Call_Sa_MtrDrvDiag_FetFlt2Clk_OP_SET	1	V
GateDrvWaitTime	1	GateDrvWaitTime	1	•
Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32	1	Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32	1	V
Rte_Call_Sa_MtrDrvDiag_SystemTime_DtrmnElapsedTime_uS_u16 Rte_Call_Sa_MtrDrvDiag_FetFlt1Data_OP_GET	1	Rte_Call_Sa_MtrDrvDiag_SystemTime_DtrmnElapsedTime_uS_u16 Rte_Call_Sa_MtrDrvDiag_FetFlt1Data_OP_GET	1	~
Rte_Call_Sa_MtrDrvDiag_FetFlt2Clk_OP_SET	1	Rte_Call_Sa_MtrDrvDiag_FetFlt2Clk_OP_SET	1	
GateDrvWaitTime	1	GateDrvWaitTime	1	· ·
Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32	1	Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32	1	-
Rte_Call_Sa_MtrDrvDiag_SystemTime_DtrmnElapsedTime_uS_u16	1	Rte_Call_Sa_MtrDrvDiag_SystemTime_DtrmnElapsedTime_uS_u16	1	~
Rte_Call_Sa_MtrDrvDiag_FetFlt2Clk_OP_SET	1	Rte_Call_Sa_MtrDrvDiag_FetFlt2Clk_OP_SET	1	_
GateDrvWaitTime	1	GateDrvWaitTime	1	~
Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32	1	Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32	1	~
Rte_Call_Sa_MtrDrvDiag_SystemTime_DtrmnElapsedTime_uS_u16	1	Rte_Call_Sa_MtrDrvDiag_SystemTime_DtrmnElapsedTime_uS_u16	1	~
Rte_Call_Sa_MtrDrvDiag_FetFlt1Data_OP_GET	1	Rte_Call_Sa_MtrDrvDiag_FetFlt1Data_OP_GET	1	~
Rte_Call_Sa_MtrDrvDiag_FetFlt2Clk_OP_SET	1	Rte_Call_Sa_MtrDrvDiag_FetFlt2Clk_OP_SET	1	~
GateDrvWaitTime	1	GateDrvWaitTime	1	~
Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32	1	Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32	1	~
Rte_Call_Sa_MtrDrvDiag_SystemTime_DtrmnElapsedTime_uS_u16	1	Rte_Call_Sa_MtrDrvDiag_SystemTime_DtrmnElapsedTime_uS_u16	1	~
Rte_Call_Sa_MtrDrvDiag_FetFlt2Clk_OP_SET	1	Rte_Call_Sa_MtrDrvDiag_FetFlt2Clk_OP_SET	1	~
GateDrvWaitTime	1	GateDrvWaitTime	1	~
Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32	1	Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32	1	~
Rte_Call_Sa_MtrDrvDiag_SystemTime_DtrmnElapsedTime_uS_u16	253	Rte_Call_Sa_MtrDrvDiag_SystemTime_DtrmnElapsedTime_uS_u16	253	~
Rte_Call_Sa_MtrDrvDiag_FetFlt1Data_OP_GET	1	Rte_Call_Sa_MtrDrvDiag_FetFlt1Data_OP_GET	1	~
Rte_Call_Sa_MtrDrvDiag_FetFlt2Clk_OP_SET	1	Rte_Call_Sa_MtrDrvDiag_FetFlt2Clk_OP_SET	1	~
GateDrvWaitTime	1	GateDrvWaitTime	1	V
Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32	1	Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32	1	~
Rte_Call_Sa_MtrDrvDiag_SystemTime_DtrmnElapsedTime_uS_u16	1	Rte_Call_Sa_MtrDrvDiag_SystemTime_DtrmnElapsedTime_uS_u16	1	V
Rte_Call_Sa_MtrDrvDiag_FetFlt2Clk_OP_SET	1	Rte_Call_Sa_MtrDrvDiag_FetFlt2Clk_OP_SET	1	✓
GateDrvWaitTime	1	GateDrvWaitTime Pto Coll So MtDrvDing SystemTime CotSystemTime us us	1	
Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32 Rte_Call_Sa_MtrDrvDiag_SystemTime_DtrmnElapsedTime_uS_u16	1	Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32 Rte_Call_Sa_MtrDrvDiag_SystemTime_DtrmnElapsedTime_uS_u16	1	~
Rte_Call_Sa_MtrDrvDiag_FetFlt1Data_OP_GET	1	Rte_Call_Sa_MtrDrvDiag_FetFlt1Data_OP_GET	1	
Rte_Call_Sa_MtrDrvDiag_FetFlt2Clk_OP_SET	1	Rte_Call_Sa_MtrDrvDiag_FetFlt2Clk_OP_SET	1	-
GateDrvWaitTime	1	GateDrvWaitTime	1	
Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32	1	Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32	1	~
Rte_Call_Sa_MtrDrvDiag_SystemTime_DtrmnElapsedTime_uS_u16	1	Rte_Call_Sa_MtrDrvDiag_SystemTime_DtrmnElapsedTime_uS_u16	1	-
Rte_Call_Sa_MtrDrvDiag_FetFlt2Clk_OP_SET	1	Rte_Call_Sa_MtrDrvDiag_FetFlt2Clk_OP_SET	1	•
GateDrvWaitTime	1	GateDrvWaitTime	1	-
Rte Call Sa MtrDrvDiag SystemTime GetSystemTime uS u32	1	Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32	1	~
Rte Call Sa MtrDrvDiag SystemTime DtrmnElapsedTime uS u16	253	Rte_Call_Sa_MtrDrvDiag_SystemTime_DtrmnElapsedTime_uS_u16	253	~
Rte_Call_Sa_MtrDrvDiag_FetFlt1Data_OP_GET	1	Rte_Call_Sa_MtrDrvDiag_FetFlt1Data_OP_GET	1	•
Rte_Call_Sa_MtrDrvDiag_FetFlt2Clk_OP_SET	1	Rte_Call_Sa_MtrDrvDiag_FetFlt2Clk_OP_SET	1	~
GateDrvWaitTime	1	GateDrvWaitTime	1	~
Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32	1	Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32	1	~
Rte_Call_Sa_MtrDrvDiag_SystemTime_DtrmnElapsedTime_uS_u16	1	Rte_Call_Sa_MtrDrvDiag_SystemTime_DtrmnElapsedTime_uS_u16	1	~
Rte_Call_Sa_MtrDrvDiag_FetFlt2Clk_OP_SET	1	Rte_Call_Sa_MtrDrvDiag_FetFlt2Clk_OP_SET	1	~
GateDrvWaitTime	1	GateDrvWaitTime	1	~
Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32	1	Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32	1	~
Rte_Call_Sa_MtrDrvDiag_SystemTime_DtrmnElapsedTime_uS_u16	1	Rte_Call_Sa_MtrDrvDiag_SystemTime_DtrmnElapsedTime_uS_u16	1	~
Rte_Call_Sa_MtrDrvDiag_FetFlt1Data_OP_GET	1	Rte_Call_Sa_MtrDrvDiag_FetFlt1Data_OP_GET	1	~
Rte_Call_Sa_MtrDrvDiag_FetFlt2Clk_OP_SET	1	Rte_Call_Sa_MtrDrvDiag_FetFlt2Clk_OP_SET	1	~
GateDrvWaitTime	1	GateDrvWaitTime	1	~
Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32	1	Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32	1	~
Rte_Call_Sa_MtrDrvDiag_SystemTime_DtrmnElapsedTime_uS_u16	1	Rte_Call_Sa_MtrDrvDiag_SystemTime_DtrmnElapsedTime_uS_u16	1	~
Rte_Call_Sa_MtrDrvDiag_FetFlt2Clk_OP_SET	1	Rte_Call_Sa_MtrDrvDiag_FetFlt2Clk_OP_SET	1	~
GateDrvWaitTime	1	GateDrvWaitTime	1	~
Rte_Call_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	V
Rte_Call_Sa_MtrDrvDiag_FetFlt2Clk_OP_SET	1	Rte_Call_Sa_MtrDrvDiag_FetFlt2Clk_OP_SET	1	•
GateDryWaitTime Pto Call So MtrDryDiag SystemTime CotSystemTime us us use	1	GateDrvWaitTime Pto Coll So MtDrvDing SystemTime CotSystemTime us us	1	V
Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32	1	Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32	1	•
Rte_Call_Sa_MtrDrvDiag_SystemTime_DtrmnElapsedTime_uS_u16	1	Rte_Call_Sa_MtrDrvDiag_SystemTime_DtrmnElapsedTime_uS_u16	1	V
Rte_Call_Sa_MtrDrvDiag_FetFlt2Clk_OP_SET	1	Rte_Call_Sa_MtrDrvDiag_FetFlt2Clk_OP_SET	1	~
GateDrvWaitTime Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32	1	GateDrvWaitTime Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32	1	~
Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_us_us2 Rte_Call_Sa_MtrDrvDiag_SystemTime_DtrmnElapsedTime_uS_u16	1	Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32 Rte_Call_Sa_MtrDrvDiag_SystemTime_DtrmnElapsedTime_uS_u16	1	~
Rte_Call_Sa_MtrDrvDiag_FetFlt1Data_OP_GET	1	Rte_Call_Sa_MtrDrvDiag_FetFlt1Data_OP_GET	1	
Rte_Call_Sa_MtrDrvDiag_FetFlt2Clk_OP_SET	1	Rte_Call_Sa_MtrDrvDiag_FetFlt2Clk_OP_SET	1	~
GateDrvWaitTime	1	GateDrvWaitTime	1	
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Actual Function	Count	Expected Function	Count	Result
Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32	1	Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32	1	~
Rte_Call_Sa_MtrDrvDiag_SystemTime_DtrmnElapsedTime_uS_u16	1	Rte_Call_Sa_MtrDrvDiag_SystemTime_DtrmnElapsedTime_uS_u16	1	~
Rte_Call_Sa_MtrDrvDiag_FetFlt2Clk_OP_SET	1	Rte_Call_Sa_MtrDrvDiag_FetFlt2Clk_OP_SET	1	~
GateDrvWaitTime	1	GateDrvWaitTime	1	~
Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32	1	Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32	1	•
Rte_Call_Sa_MtrDrvDiag_SystemTime_DtrmnElapsedTime_uS_u16	253	Rte_Call_Sa_MtrDrvDiag_SystemTime_DtrmnElapsedTime_uS_u16	253	~
Rte_Call_Sa_MtrDrvDiag_FetFlt1Data_OP_GET	1	Rte_Call_Sa_MtrDrvDiag_FetFlt1Data_OP_GET	1	~
Rte_Call_Sa_MtrDrvDiag_FetFlt2Clk_OP_SET	1	Rte_Call_Sa_MtrDrvDiag_FetFlt2Clk_OP_SET	1	~
GateDrvWaitTime	1	GateDrvWaitTime	1	~
Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32	1	Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32	1	~
Rte_Call_Sa_MtrDrvDiag_SystemTime_DtrmnElapsedTime_uS_u16	1	Rte_Call_Sa_MtrDrvDiag_SystemTime_DtrmnElapsedTime_uS_u16	1	~
Rte_Call_Sa_MtrDrvDiag_FetFlt2Clk_OP_SET	1	Rte_Call_Sa_MtrDrvDiag_FetFlt2Clk_OP_SET	1	~
GateDrvWaitTime	1	GateDrvWaitTime	1	✓
Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32	1	Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32	1	~
Rte_Call_Sa_MtrDrvDiag_SystemTime_DtrmnElapsedTime_uS_u16	1	Rte_Call_Sa_MtrDrvDiag_SystemTime_DtrmnElapsedTime_uS_u16	1	~
Rte_Call_Sa_MtrDrvDiag_FetFlt1Data_OP_GET	1	Rte_Call_Sa_MtrDrvDiag_FetFlt1Data_OP_GET	1	~
Rte_Call_Sa_MtrDrvDiag_FetFlt2Clk_OP_SET	1	Rte_Call_Sa_MtrDrvDiag_FetFlt2Clk_OP_SET	1	~
GateDrvWaitTime	1	GateDrvWaitTime	1	~
Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32	1	Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32	1	~
Rte_Call_Sa_MtrDrvDiag_SystemTime_DtrmnElapsedTime_uS_u16	1	Rte_Call_Sa_MtrDrvDiag_SystemTime_DtrmnElapsedTime_uS_u16	1	~
Rte_Call_Sa_MtrDrvDiag_IoHwAbPortConfig_SetFetFlt2ToOutput	1	Rte_Call_Sa_MtrDrvDiag_IoHwAbPortConfig_SetFetFlt2ToOutput	1	•
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_NxtrDiagN	Mgr_GetNTCFailed_NTCFailed_Ptr_T_lgc	
Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32(CurrentTime)	target_Rte_Call_Sa_MtrDrvDiag_SystemTi	me_GetSystemTime_uS_u32_CurrentTime	
SVDiag_FETFaultPhase_Cnt_M_enum	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_NxtrDiagMg	r_GetNTCFailed_NTCFailed_Ptr_T_lgc	
Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32(CurrentTime)	target_Rte_Call_Sa_MtrDrvDiag_SystemTim	e_GetSystemTime_uS_u32_CurrentTime	
SVDiag_FETFaultPhase_Cnt_M_enum	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_CurrentTire	60000		
Name	Actual Value	Expected Value	Result

target_Rte_Call_3a_initiDivDiag_3ysteriTrillie_Get3ysteriTrillie_u3_u32_CurrentTril	00000		
Name	Actual Value	Expected Value	Result
Rte_Call_Sa_MtrDrvDiag_NxtrDiagMgr_SetNTCStatus(NTC_Cnt_T_enum)	79	79	~
Rte_Call_Sa_MtrDrvDiag_NxtrDiagMgr_SetNTCStatus(Param_Cnt_T_u08)	1	1	•
Rte_Call_Sa_MtrDrvDiag_NxtrDiagMgr_SetNTCStatus(Status_Cnt_T_enum)	1	1	~
SVDiag_FETFaultPhase_Cnt_M_enum	0	0	~
SVDiag_FETFaultType_Cnt_M_enum	1	1	~
SVDiag_ResetWaitLoop_Cnt_M_lgc	1	1	~
target_GenGateDriveFltAccPtr_Cnt_T_u16	50	50	~
target_OnStateFltAccPtr_Cnt_T_u16	44	44	✓

Т				✓
Actual Function	Count	Expected Function	Count	Result
Rte_Call_Sa_MtrDrvDiag_NxtrDiagMgr_GetNTCFailed	1	Rte_Call_Sa_MtrDrvDiag_NxtrDiagMgr_GetNTCFailed	1	~
Rte_Call_Sa_MtrDrvDiag_NxtrDiagMgr_SetNTCStatus	1	Rte_Call_Sa_MtrDrvDiag_NxtrDiagMgr_SetNTCStatus	1	~

Test Step 2.12 (Repeat Count = 1)			✓
Name	Input Value		
GenGateDriveFltAccPtr_Cnt_T_u16	target_GenGateDriveFltAccPtr_Cnt_T_u16		
OnStateFltAccPtr_Cnt_T_u16	target_OnStateFltAccPtr_Cnt_T_u16		
Rte_Call_Sa_MtrDrvDiag_NxtrDiagMgr_GetNTCFailed(NTCFailed_Ptr_T_lgc)	target_Rte_Call_Sa_MtrDrvDiag_NxtrDiagM	lgr_GetNTCFailed_NTCFailed_Ptr_T_lgc	
Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32(CurrentTime)	target_Rte_Call_Sa_MtrDrvDiag_SystemTin	ne_GetSystemTime_uS_u32_CurrentTime	
SVDiag_FETFaultPhase_Cnt_M_enum	2		
SVDiag_FETFaultType_Cnt_M_enum	0		
SVDiag_ResetWaitLoop_Cnt_M_lgc	1		
k_OnStateDiag_Cnt_str.Threshold	2345		
k_OnStateDiag_Cnt_str.PStep	555		
target_GenGateDriveFltAccPtr_Cnt_T_u16	60		
target_OnStateFltAccPtr_Cnt_T_u16	546		
$target_Rte_Call_Sa_MtrDrvDiag_NxtrDiagMgr_GetNTCFailed_NTCFailed_Ptr_T_least = 0.0000000000000000000000000000000000$	g 0		
$target_Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32_CurrentTime_uS_u32_CurrentTime_uS_u32_CurrentTime_uS_u32_CurrentTime_uS_u32_CurrentTime_uS_u32_CurrentTime_uS_u332_Current$	ir 83000		
Name	Actual Value	Expected Value	Result
Rte_Call_Sa_MtrDrvDiag_NxtrDiagMgr_SetNTCStatus(NTC_Cnt_T_enum)	79	*none*	~
Rte_Call_Sa_MtrDrvDiag_NxtrDiagMgr_SetNTCStatus(Param_Cnt_T_u08)	1	*none*	✓

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 Ig	0		
$target_Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32_CurrentTire_ususususususususususususususususususus$	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	~





	Actual Function	Count	Expected Function	Count	Result
Ric Coll S. Michology (Hebrichordon's Serierial Toughout) 1 Ric Coll S. Michology (February February College) 1 Ric Coll S. Michology (Serierian College) 1 Ric	Rte_Call_Sa_MtrDrvDiag_NxtrDiagMgr_GetNTCFailed	1	Rte_Call_Sa_MtrDrvDiag_NxtrDiagMgr_GetNTCFailed	1	~
NB_CALL_S_MONONING_SYSTEM	ReadMtrDrvFltData				~
GebDWatTre					•
Ric Coll S. Micholag Systemine (Cellsystemine) 1 Ric Coll S. Micholag Syste					V
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Rte_Call_Sa_MtrDrvDiag_SystemTime_DtrmnElapsedTime_uS_u16 1 Rte_Call_Sa_MtrDrvDiag_SystemTime_DtrmnElapsedTime_uS_u16 1 Rte_Call_Sa_MtrDrvDiag_FetFlt2Clk_OP_SET 1 Rte_Call_Sa_MtrDrvDiag_FetFlt2Clk_OP_SET 1 Rte_Call_Sa_MtrDrvDiag_FetFlt2Clk_OP_SET 1 Rte_Call_Sa_MtrDrvDiag_SystemTime_uS_u32 1 Rte_Call_Sa_MtrDrvDiag_SystemTime_uS_u32 1 Rte_Call_Sa_MtrDrvDiag_SystemTime_DtrmnElapsedTime_uS_u16 1 Rte_Call_Sa_MtrDrvDiag_SystemTime_DtrmnElapsedTime_uS_u16 1 Rte_Call_Sa_MtrDrvDiag_FetFlt1Data_OP_GET 1 Rte_Call_Sa_MtrDrvDiag_FetFlt1Data_OP_GET 1 Rte_Call_Sa_MtrDrvDiag_FetFlt2Clk_OP_SET 1 Rte_Call_Sa_MtrDrvDiag_FetFlt2Clk_OP_SET 1 Rte_Call_Sa_MtrDrvDiag_FetFlt2Clk_OP_SET 1 Rte_Call_Sa_MtrDrvDiag_FetFlt2Clk_OP_SET					,
Rte_Call_Sa_MtrDrvDiag_FetFlt2Clk_OP_SET 1 Rte_Call_Sa_MtrDrvDiag_FetFlt2Clk_OP_SET 1 GateDrvWaitTime 1 GateDrvWaitTime 1 Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32 1 Rte_Call_Sa_MtrDrvDiag_SystemTime_DtrmnElapsedTime_uS_u16 1 Rte_Call_Sa_MtrDrvDiag_SystemTime_DtrmnElapsedTime_uS_u16 1 Rte_Call_Sa_MtrDrvDiag_FetFlt1Data_OP_GET 1 Rte_Call_Sa_MtrDrvDiag_FetFlt2Clk_OP_SET 1 Rte_Call_Sa_MtrDrvDiag_Fet					~
GateDrvWaitTime 1 GateDrvWaitTime 1 Rte_Call_Sa_MtrDrvDiag_SystemTime_US_u32 1 Rte_Call_Sa_MtrDrvDiag_SystemTime_US_u32 1 Rte_Call_Sa_MtrDrvDiag_SystemTime_US_u32 1 Rte_Call_Sa_MtrDrvDiag_SystemTime_US_u32 1 Rte_Call_Sa_MtrDrvDiag_SystemTime_DtrmnElapsedTime_uS_u16 1 Rte_Call_Sa_MtrDrvDiag_FetFlt1Data_OP_GET 1 Rte_Call_Sa_MtrDrvDiag_FetFlt1Data_OP_GET 1 Rte_Call_Sa_MtrDrvDiag_FetFlt2Clk_OP_SET 1 Rte_Call_Sa_MtrDrvDiag_FetFlt2Clk_OP_SET 1 Rte_Call_Sa_MtrDrvDiag_FetFlt2Clk_OP_SET 1 Rte_Call_Sa_MtrDrvDiag_FetFlt2Clk_OP_SET					
Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32 1 Rte_Call_Sa_MtrDrvDiag_SystemTime_uS_u32 1 Rte_Call_Sa_MtrDrvDiag_SystemTime_US_u32 1 Rte_Call_Sa_MtrDrvDiag_SystemTime_DtrmnElapsedTime_uS_u16 1 Rte_Call_Sa_MtrDrvDiag_FetFlt1Data_OP_GET 1 Rte_Call_Sa_MtrDrvDiag_FetFlt1Data_OP_GET 1 Rte_Call_Sa_MtrDrvDiag_FetFlt2Clk_OP_SET 1 Rte_Call_Sa_MtrDrvDiag_FetFlt2Clk_O					~
Rte_Call_Sa_MtrDrvDiag_SystemTime_DtrmnElapsedTime_uS_u16 1 Rte_Call_Sa_MtrDrvDiag_SystemTime_DtrmnElapsedTime_uS_u16 1 Rte_Call_Sa_MtrDrvDiag_FetFlt1Data_OP_GET 1 Rte_Call_Sa_MtrDrvDiag_FetFlt1Data_OP_GET 1 Rte_Call_Sa_MtrDrvDiag_FetFlt2Clk_OP_SET 1 Rte_Call_Sa_MtrDrvDiag_FetFlt2Cl					~
Rte_Call_Sa_MtrDrvDiag_FetFlt1Data_OP_GET 1 Rte_Call_Sa_MtrDrvDiag_FetFlt1Data_OP_GET 1 Rte_Call_Sa_MtrDrvDiag_FetFlt2Clk_OP_SET 1 Rte_Call_Sa_MtrDrvDiag_FetFlt2Clk_OP_SET 1	Rte_Call_Sa_MtrDrvDiag_SystemTime_DtrmnElapsedTime_uS_u16				~
Rte_Call_Sa_MtrDrvDiag_FetFlt2Clk_OP_SET 1 Rte_Call_Sa_MtrDrvDiag_FetFlt2Clk_OP_SET 1	Rte_Call_Sa_MtrDrvDiag_FetFlt1Data_OP_GET				~
	Rte_Call_Sa_MtrDrvDiag_FetFlt2Clk_OP_SET	1		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_loHwAbPortConfig_SetFetFlt2ToOutput	1	Rte_Call_Sa_MtrDrvDiag_loHwAbPortConfig_SetFetFlt2ToOutput	1	~
Rte_Call_Sa_MtrDrvDiag_NxtrDiagMgr_SetNTCStatus	1	Rte_Call_Sa_MtrDrvDiag_NxtrDiagMgr_SetNTCStatus	1	~

Test Step 2.14 (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_NxtrDiagM	gr_GetNTCFailed_NTCFailed_Ptr_T_lgc	
Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32(CurrentTime)	target_Rte_Call_Sa_MtrDrvDiag_SystemTin	ne_GetSystemTime_uS_u32_CurrentTime	
SVDiag_FETFaultPhase_Cnt_M_enum	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_CurrentTine_	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_OnStateFitAccPtr_Cnt_T_u16	0	
target Rte Call Sa MtrDrvDiag NxtrDiagMgr GetNTCFailed NTCFailed Ptr T Igr 0		



Name	Input Value		
target_Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32_CurrentTi	r 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	~



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1 1 1 1	Rte_Call_Sa_MtrDrvDiag_NxtrDiagMgr_GetNTCFailed ReadMtrDrvFitData Rte_Call_Sa_MtrDrvDiag_loHwAbPortConfig_SetFetFlt2ToOutput	1	~
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1	Rte Call Sa MtrDryDiag IoHwAhPortConfig SetFetFlt2ToOutput		~
	Tito_dail_da_witDivDiag_fortwitiDi ditodiiig_dat at it2100atpat	1	-
1	Rte_Call_Sa_MtrDrvDiag_FetFlt2Clk_OP_SET	1	-
	GateDrvWaitTime	1	~
1	Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32	1	•
2	Rte_Call_Sa_MtrDrvDiag_SystemTime_DtrmnElapsedTime_uS_u16	2	~
1	Rte_Call_Sa_MtrDrvDiag_FetFlt1Data_OP_GET	1	•
1	Rte_Call_Sa_MtrDrvDiag_FetFlt2Clk_OP_SET	1	•
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255	Rte_Call_Sa_MtrDrvDiag_SystemTime_DtrmnElapsedTime_uS_u16	255	✓
1	Rte_Call_Sa_MtrDrvDiag_FetFlt1Data_OP_GET	1	-
1	Rte_Call_Sa_MtrDrvDiag_FetFlt2Clk_OP_SET	1	✓
1	GateDrvWaitTime	1	-
1	Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32	1	•
1	Rte_Call_Sa_MtrDrvDiag_SystemTime_DtrmnElapsedTime_uS_u16	1	-
1	Rte_Call_Sa_MtrDrvDiag_FetFlt2Clk_OP_SET	1	-
1	GateDrvWaitTime	1	-
1	Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32	1	✓
255	Rte_Call_Sa_MtrDrvDiag_SystemTime_DtrmnElapsedTime_uS_u16	255	-
1	Rte_Call_Sa_MtrDrvDiag_FetFlt1Data_OP_GET	1	✓
1	Rte_Call_Sa_MtrDrvDiag_FetFlt2Clk_OP_SET	1	-
1	GateDrvWaitTime	1	✓
1	Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32	1	-
1	Rte_Call_Sa_MtrDrvDiag_SystemTime_DtrmnElapsedTime_uS_u16	1	•
1	Rte_Call_Sa_MtrDrvDiag_FetFlt2Clk_OP_SET	1	-
1	GateDrvWaitTime	1	•
1	Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32	1	-
255	Rte_Call_Sa_MtrDrvDiag_SystemTime_DtrmnElapsedTime_uS_u16	255	•
1	Rte_Call_Sa_MtrDrvDiag_FetFlt1Data_OP_GET	1	-
1	Rte_Call_Sa_MtrDrvDiag_FetFlt2Clk_OP_SET	1	•
	1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	1 GateDrvWaitTime 1 Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32 1 Rte_Call_Sa_MtrDrvDiag_SystemTime_DtrmnElapsedTime_uS_u16 1 Rte_Call_Sa_MtrDrvDiag_SystemTime_DtrmnElapsedTime_uS_u16 1 Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32 255 Rte_Call_Sa_MtrDrvDiag_SystemTime_DtrmnElapsedTime_uS_u16 1 Rte_Call_Sa_MtrDrvDiag_FetFittData_OP_GET 1 Rte_Call_Sa_MtrDrvDiag_FetFittData_OP_GET 1 Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32 1 Rte_Call_Sa_MtrDrvDiag_SystemTime_DtrmnElapsedTime_uS_u16 1 Rte_Call_Sa_MtrDrvDiag_SystemTime_DtrmnElapsedTime_uS_u32 1 Rte_Call_Sa_MtrDrvDiag_SystemTime_DtrmnElapsedTime_uS_u32 1 Rte_Call_Sa_MtrDrvDiag_SystemTime_DtrmnElapsedTime_uS_u16 1 Rte_Call_Sa_MtrDrvDiag_Sy	1 GateDnWaitTime



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_NxtrDiagI	Mgr_GetNTCFailed_NTCFailed_Ptr_T_lgc	
Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32(CurrentTime)	target_Rte_Call_Sa_MtrDrvDiag_SystemTi	me_GetSystemTime_uS_u32_CurrentTime	
SVDiag_FETFaultPhase_Cnt_M_enum	3		
SVDiag_FETFaultType_Cnt_M_enum	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 1		
target_Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32_Curren	tTir 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	-

ovblag_reservanteoop_ont_in_igo		·			
target_GenGateDriveFltAccPtr_Cnt_T_u16		200	200		~
target_OnStateFltAccPtr_Cnt_T_u16		65535	65535		~
Т					✓
Actual Function	Count	Expected Function		Count	Result
Actual Function Rte_Call_Sa_MtrDrvDiag_NxtrDiagMgr_GetNTCFailed	Count 1	Expected Function Rte_Call_Sa_MtrDrvDiag_NxtrDiagMgr_Gett	NTCFailed	Count 1	Result 🗸

1

2

SVDiag_FETFaultType_Cnt_M_enum

SVDiag_ResetWaitLoop_Cnt_M_lgc



```
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
TC3.6 1180297 Cycles
TC3.6 1180297 Cycles
TC3.6 1180297 Cycles

Description

TS3.1"(("OnStateFitAccPtr_Cnt_T_u16)<((k_GateDriveDiag_Cnt_str.Threshold)-(k_GateDriveDiag_Cnt_str.PStep) = False &&
(TRUE == OnStateFitActive_Cnt_T_lgc)= False &&
(FaultedPhases_Cnt_T_u16 > 1U)
= True &&

1==("OnStateFitAccPtr_Cnt_T_u16)>=(k_GateDriveDiag_Cnt_str.Threshold)?1:0=True &&
(("OnStateFitAccPtr_Cnt_T_u16)>=(k_GateDriveDiag_Cnt_str.Threshold)+(k_GateDriveDiag_Cnt_str.PStep) = True &&

1==("OnStateFitAccPtr_Cnt_T_u16)>=(k_GateDriveDiag_Cnt_str.Threshold)+(k_GateDriveDiag_Cnt_str.PStep) = True &&

(("OnStateFitAccPtr_Cnt_T_u16)>=(k_GateDriveDiag_Cnt_str.Threshold)?1:0=False &&
(("OnStateFitAccPtr_Cnt_T_u16)>=(k_GateDriveDiag_Cnt_str.Threshold)?1:0=False &&
(("OnStateFitAccPtr_Cnt_T_u16)>=(k_GateDriveDiag_Cnt_str.Threshold)?1:0=False &&
(("OnStateFitAccPtr_Cnt_T_u16)>=(k_GateDriveDiag_Cnt_str.Threshold)?1:0=False &&
(FaultedPhases_Cnt_T_u16 == 1U)=True"
TS3.3"(TRUE == OnStateFitActive_Cnt_T_lgc)= True &&
(FaultedPhases_Cnt_T_u16 == 1U)=False &&
(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_GenGateDriveFltAccP	tr_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_MtrDrvD	iag_NxtrDiagMgr_GetNTCFailed_NTCFailed_Ptr_	T_lgc
Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32(CurrentTime	e) target_Rte_Call_Sa_MtrDrvD	iag_SystemTime_GetSystemTime_uS_u32_Currer	ntTime
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		
$target_Rte_Call_Sa_MtrDrvDiag_NxtrDiagMgr_GetNTCFailed_NTCFailed_Ptr_Call_Sa_MtrDrvDiag_NxtrDiagMgr_GetNTCFailed_NTCFailed_Ptr_Call_Sa_MtrDrvDiag_NxtrDiagMgr_GetNTCFailed_NTCFailed_Ptr_Call_Sa_MtrDrvDiag_NxtrDiagMgr_GetNTCFailed_NTCFailed_NTCFailed_Ptr_Call_Sa_MtrDrvDiag_NxtrDiagMgr_GetNTCFailed_NTCFailed_NTCFailed_Ptr_Call_Sa_MtrDrvDiag_NxtrDiagMgr_GetNTCFailed_NTCFAiled_NTCFAiled_NTCFAiled_NTCFAiled_NTCFAiled_NTCFAiled_NTCFAiled_NTCFAiled_NTCFAiled_NTCFAiled_NTCFAiled_NTCFAiled_NTCFAiled_NTCFAiled_NTCFAiled$	_T_lg ₁ 0		
target_Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32_Curr	entTir 5000		
Name	Actual Value	Expected Value	Result
Rte_Call_Sa_MtrDrvDiag_NxtrDiagMgr_SetNTCStatus(NTC_Cnt_T_enum)	79	79	~
Rte_Call_Sa_MtrDrvDiag_NxtrDiagMgr_SetNTCStatus(Param_Cnt_T_u08)	1	1	•
Rte_Call_Sa_MtrDrvDiag_NxtrDiagMgr_SetNTCStatus(Status_Cnt_T_enum)	1	1	✓
SVDiag_FETFaultPhase_Cnt_M_enum	3	3	~
SVDiag_FETFaultType_Cnt_M_enum	2	2	~
SVDiag_ResetWaitLoop_Cnt_M_lgc	0	0	~
target_GenGateDriveFltAccPtr_Cnt_T_u16	120	120	~
target OnStateFltAccPtr Cnt T u16	123	123	✓



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Actual Function	Count	Expected Function	Count	Result
Rte_Call_Sa_MtrDrvDiag_NxtrDiagMgr_GetNTCFailed	1	Rte_Call_Sa_MtrDrvDiag_NxtrDiagMgr_GetNTCFailed	1	•
ReadMtrDrvFltData	1	ReadMtrDrvFltData	1	•
Rte_Call_Sa_MtrDrvDiag_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 Rte_Call_Sa_MtrDrvDiag_FetFlt2Clk_OP_SET	1	Rte_Call_Sa_MtrDrvDiag_FetFlt1Data_OP_GET Rte_Call_Sa_MtrDrvDiag_FetFlt2Clk_OP_SET	1	Ĭ
GateDrvWaitTime	1	GateDrvWaitTime	1	
Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32	1	Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32	1	
Rte_Call_Sa_MtrDrvDiag_SystemTime_DtrmnElapsedTime_uS_u16	1	Rte_Call_Sa_MtrDrvDiag_SystemTime_DtrmnElapsedTime_uS_u16	1	
Rte_Call_Sa_MtrDrvDiag_FetFlt2Clk_OP_SET	1	Rte_Call_Sa_MtrDrvDiag_FetFlt2Clk_OP_SET	1	
GateDrvWaitTime	1	GateDrvWaitTime	1	
Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32	1	Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32	1	
Rte_Call_Sa_MtrDrvDiag_SystemTime_DtrmnElapsedTime_uS_u16	1	Rte_Call_Sa_MtrDrvDiag_SystemTime_DtrmnElapsedTime_uS_u16	1	
Rte_Call_Sa_MtrDrvDiag_FetFlt1Data_OP_GET	1	Rte_Call_Sa_MtrDrvDiag_FetFlt1Data_OP_GET	1	
Rte_Call_Sa_MtrDrvDiag_FetFlt2Clk_OP_SET	1	Rte_Call_Sa_MtrDrvDiag_FetFlt2Clk_OP_SET	1	
GateDrvWaitTime	1	GateDrvWaitTime	1	
Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32	1	Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32	1	•
Rte_Call_Sa_MtrDrvDiag_SystemTime_DtrmnElapsedTime_uS_u16	1	Rte_Call_Sa_MtrDrvDiag_SystemTime_DtrmnElapsedTime_uS_u16	1	-
Rte_Call_Sa_MtrDrvDiag_FetFlt2Clk_OP_SET	1	Rte_Call_Sa_MtrDrvDiag_FetFlt2Clk_OP_SET	1	•
GateDrvWaitTime	1	GateDrvWaitTime	1	•
Rte_Call_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		GateDrvWaitTime		
Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32	1	Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32	1	
Rte_Call_Sa_MtrDrvDiag_SystemTime_DtrmnElapsedTime_uS_u16 Rte_Call_Sa_MtrDrvDiag_FetFlt1Data_OP_GET	1	Rte_Call_Sa_MtrDrvDiag_SystemTime_DtrmnElapsedTime_uS_u16 Rte_Call_Sa_MtrDrvDiag_FetFlt1Data_OP_GET	1	
Rte_Call_Sa_MtrDrvDiag_FetFlt2Clk_OP_SET	1	Rte_Call_Sa_MtrDrvDiag_FetFlt2Clk_OP_SET	1	
GateDrvWaitTime	1	GateDrvWaitTime	1	j
Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32	1	Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32	1	•
Rte_Call_Sa_MtrDrvDiag_SystemTime_DtrmnElapsedTime_uS_u16	1	Rte Call Sa MtrDrvDiag SystemTime DtrmnElapsedTime uS u16	1	
Rte Call Sa MtrDrvDiag FetFlt2Clk OP SET	1	Rte_Call_Sa_MtrDrvDiag_FetFlt2Clk_OP_SET	1	•
GateDrvWaitTime	1	GateDrvWaitTime	1	
Rte_Call_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	1 253	Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32	1	
Rte_Call_Sa_MtrDrvDiag_SystemTime_DtrmnElapsedTime_uS_u16		Rte_Call_Sa_MtrDrvDiag_SystemTime_DtrmnElapsedTime_uS_u16	253	
Rte_Call_Sa_MtrDrvDiag_FetFlt1Data_OP_GET Rte_Call_Sa_MtrDrvDiag_FetFlt2Clk_OP_SET	1	Rte_Call_Sa_MtrDrvDiag_FetFlt1Data_OP_GET Rte_Call_Sa_MtrDrvDiag_FetFlt2Clk_OP_SET	1	
GateDrvWaitTime	1	GateDrvWaitTime	1	
Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32	1	Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32	1	
Rte_Call_Sa_MtrDrvDiag_SystemTime_detsystemTime_uS_u32 Rte_Call_Sa_MtrDrvDiag_SystemTime_DtrmnElapsedTime_uS_u16	1	Rte_Call_Sa_MtrDrvDiag_SystemTime_DtrmnElapsedTime_uS_u16	1	
Rte_Call_Sa_MtrDrvDiag_System** Inte_Dtrime_lapsed** Inte_uS_u** Rte_Call_Sa_MtrDrvDiag_FetFlt2Clk_OP_SET	1	Rte Call Sa MtrDrvDiag FetFlt2Clk OP SET	1	
GateDrvWaitTime	1	GateDrvWaitTime	1	
Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32	1	Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32	1	
Rte_Call_Sa_MtrDrvDiag_SystemTime_DtrmnElapsedTime_uS_u16	1	Rte_Call_Sa_MtrDrvDiag_SystemTime_DtrmnElapsedTime_uS_u16	1	•
Rte_Call_Sa_MtrDrvDiag_FetFlt1Data_OP_GET	1	Rte_Call_Sa_MtrDrvDiag_FetFlt1Data_OP_GET	1	
Rte_Call_Sa_MtrDrvDiag_FetFlt2Clk_OP_SET	1	Rte_Call_Sa_MtrDrvDiag_FetFlt2Clk_OP_SET	1	•



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

Name	Input Value		
GenGateDriveFltAccPtr_Cnt_T_u16	target_GenGateDriveFltAccP	tr_Cnt_T_u16	
OnStateFltAccPtr_Cnt_T_u16	target_OnStateFltAccPtr_Cnt	_T_u16	
Rte_Call_Sa_MtrDrvDiag_NxtrDiagMgr_GetNTCFailed(NTCFailed_Ptr_T_lc	(c) target_Rte_Call_Sa_MtrDrvD	iag_NxtrDiagMgr_GetNTCFailed_NTCFailed_Ptr	_T_lgc
Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32(CurrentTi	me) target_Rte_Call_Sa_MtrDrvD	ag_SystemTime_GetSystemTime_uS_u32_Curr	entTime
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_I	Ptr_T_lg ₁ 1		
target_Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32_C	urrentTir 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	n) 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_NxtrDiagMg	r_GetNTCFailed_NTCFailed_Ptr_T_lgc	
Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32(CurrentTime)	target_Rte_Call_Sa_MtrDrvDiag_SystemTime	e_GetSystemTime_uS_u32_CurrentTime	
SVDiag_FETFaultPhase_Cnt_M_enum	2		
SVDiag_FETFaultType_Cnt_M_enum	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		
$target_Rte_Call_Sa_MtrDrvDiag_NxtrDiagMgr_GetNTCFailed_NTCFailed_Ptr_T_lgrams and target_Rte_Call_Sa_MtrDrvDiag_NxtrDiagMgr_GetNTCFailed_NTCFailed_Ptr_T_lgrams and target_Rte_Call_Sa_MtrDrvDiag_NxtrDiagMgr_GetNTCFailed_N$	1		
$target_Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32_CurrentTire_uS_u32_CurrentTire_uS_u32_CurrentTire_uS_u32_CurrentTire_uS_u32_CurrentTire_uS_u32_CurrentTire_uS_u32_CurrentTire_uS_u32_CurrentTire_uS_u33_Curren$	1000		
Name	Actual Value	Expected Value	Result

	1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1		
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 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_NxtrDiagMo	gr_GetNTCFailed_NTCFailed_Ptr_T_lgc	
Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32(CurrentTime)	target_Rte_Call_Sa_MtrDrvDiag_SystemTim	e_GetSystemTime_uS_u32_CurrentTime	
SVDiag_FETFaultPhase_Cnt_M_enum	3		
SVDiag_FETFaultType_Cnt_M_enum	2		
SVDiag_ResetWaitLoop_Cnt_M_lgc	1		
k_OnStateDiag_Cnt_str.Threshold	44		
k_OnStateDiag_Cnt_str.PStep	842		
target_GenGateDriveFltAccPtr_Cnt_T_u16	180		
target_OnStateFltAccPtr_Cnt_T_u16	477		
$target_Rte_Call_Sa_MtrDrvDiag_NxtrDiagMgr_GetNTCFailed_NTCFailed_Ptr_T_lg$	0		
$target_Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32_CurrentTime_ususususususususususususususususususus$	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 Rte_Call_Sa_MtrDrvDiag_FetFlt2Clk_OP_SET	1	Rte_Call_Sa_MtrDrvDiag_FetFlt1Data_OP_GET Rte_Call_Sa_MtrDrvDiag_FetFlt2Clk_OP_SET	1	Ĭ
GateDrvWaitTime	1	GateDrvWaitTime	1	
Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32	1	Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32	1	
Rte_Call_Sa_MtrDrvDiag_SystemTime_DtrmnElapsedTime_uS_u16	1	Rte_Call_Sa_MtrDrvDiag_SystemTime_DtrmnElapsedTime_uS_u16	1	
Rte_Call_Sa_MtrDrvDiag_FetFlt2Clk_OP_SET	1	Rte_Call_Sa_MtrDrvDiag_FetFlt2Clk_OP_SET	1	
GateDrvWaitTime	1	GateDrvWaitTime	1	
Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32	1	Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32	1	
Rte_Call_Sa_MtrDrvDiag_SystemTime_DtrmnElapsedTime_uS_u16	1	Rte_Call_Sa_MtrDrvDiag_SystemTime_DtrmnElapsedTime_uS_u16	1	
Rte_Call_Sa_MtrDrvDiag_FetFlt1Data_OP_GET	1	Rte_Call_Sa_MtrDrvDiag_FetFlt1Data_OP_GET	1	
Rte_Call_Sa_MtrDrvDiag_FetFlt2Clk_OP_SET	1	Rte_Call_Sa_MtrDrvDiag_FetFlt2Clk_OP_SET	1	
GateDrvWaitTime	1	GateDrvWaitTime	1	
Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32	1	Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32	1	•
Rte_Call_Sa_MtrDrvDiag_SystemTime_DtrmnElapsedTime_uS_u16	1	Rte_Call_Sa_MtrDrvDiag_SystemTime_DtrmnElapsedTime_uS_u16	1	-
Rte_Call_Sa_MtrDrvDiag_FetFlt2Clk_OP_SET	1	Rte_Call_Sa_MtrDrvDiag_FetFlt2Clk_OP_SET	1	•
GateDrvWaitTime	1	GateDrvWaitTime	1	•
Rte_Call_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		GateDrvWaitTime		
Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32	1	Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32	1	
Rte_Call_Sa_MtrDrvDiag_SystemTime_DtrmnElapsedTime_uS_u16 Rte_Call_Sa_MtrDrvDiag_FetFlt1Data_OP_GET	1	Rte_Call_Sa_MtrDrvDiag_SystemTime_DtrmnElapsedTime_uS_u16 Rte_Call_Sa_MtrDrvDiag_FetFlt1Data_OP_GET	1	
Rte_Call_Sa_MtrDrvDiag_FetFlt2Clk_OP_SET	1	Rte_Call_Sa_MtrDrvDiag_FetFlt2Clk_OP_SET	1	
GateDrvWaitTime	1	GateDrvWaitTime	1	j
Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32	1	Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32	1	•
Rte_Call_Sa_MtrDrvDiag_SystemTime_DtrmnElapsedTime_uS_u16	1	Rte Call Sa MtrDrvDiag SystemTime DtrmnElapsedTime uS u16	1	
Rte Call Sa MtrDrvDiag FetFlt2Clk OP SET	1	Rte_Call_Sa_MtrDrvDiag_FetFlt2Clk_OP_SET	1	•
GateDrvWaitTime	1	GateDrvWaitTime	1	
Rte_Call_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	1 253	Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32	1	
Rte_Call_Sa_MtrDrvDiag_SystemTime_DtrmnElapsedTime_uS_u16		Rte_Call_Sa_MtrDrvDiag_SystemTime_DtrmnElapsedTime_uS_u16	253	
Rte_Call_Sa_MtrDrvDiag_FetFlt1Data_OP_GET Rte_Call_Sa_MtrDrvDiag_FetFlt2Clk_OP_SET	1	Rte_Call_Sa_MtrDrvDiag_FetFlt1Data_OP_GET Rte_Call_Sa_MtrDrvDiag_FetFlt2Clk_OP_SET	1	
GateDrvWaitTime	1	GateDrvWaitTime	1	
Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32	1	Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32	1	
Rte_Call_Sa_MtrDrvDiag_SystemTime_detsystemTime_uS_u32 Rte_Call_Sa_MtrDrvDiag_SystemTime_DtrmnElapsedTime_uS_u16	1	Rte_Call_Sa_MtrDrvDiag_SystemTime_DtrmnElapsedTime_uS_u16	1	
Rte_Call_Sa_MtrDrvDiag_System** Inte_Dtrime_lapsed** Inte_uS_u** Rte_Call_Sa_MtrDrvDiag_FetFlt2Clk_OP_SET	1	Rte Call Sa MtrDrvDiag FetFlt2Clk OP SET	1	
GateDrvWaitTime	1	GateDrvWaitTime	1	
Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32	1	Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32	1	
Rte_Call_Sa_MtrDrvDiag_SystemTime_DtrmnElapsedTime_uS_u16	1	Rte_Call_Sa_MtrDrvDiag_SystemTime_DtrmnElapsedTime_uS_u16	1	•
Rte_Call_Sa_MtrDrvDiag_FetFlt1Data_OP_GET	1	Rte_Call_Sa_MtrDrvDiag_FetFlt1Data_OP_GET	1	
Rte_Call_Sa_MtrDrvDiag_FetFlt2Clk_OP_SET	1	Rte_Call_Sa_MtrDrvDiag_FetFlt2Clk_OP_SET	1	•



Actual Function	Count	Expected Function	Count	Result
Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32	1	Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32	1	~
Rte_Call_Sa_MtrDrvDiag_SystemTime_DtrmnElapsedTime_uS_u16	1	Rte_Call_Sa_MtrDrvDiag_SystemTime_DtrmnElapsedTime_uS_u16	1	~
Rte_Call_Sa_MtrDrvDiag_FetFlt2Clk_OP_SET	1	Rte_Call_Sa_MtrDrvDiag_FetFlt2Clk_OP_SET	1	~
GateDrvWaitTime	1	GateDrvWaitTime	1	~
Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32	1	Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32	1	•
Rte_Call_Sa_MtrDrvDiag_SystemTime_DtrmnElapsedTime_uS_u16	253	Rte_Call_Sa_MtrDrvDiag_SystemTime_DtrmnElapsedTime_uS_u16	253	~
Rte_Call_Sa_MtrDrvDiag_FetFlt1Data_OP_GET	1	Rte_Call_Sa_MtrDrvDiag_FetFlt1Data_OP_GET	1	~
Rte_Call_Sa_MtrDrvDiag_FetFlt2Clk_OP_SET	1	Rte_Call_Sa_MtrDrvDiag_FetFlt2Clk_OP_SET	1	~
GateDrvWaitTime	1	GateDrvWaitTime	1	~
Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32	1	Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32	1	~
Rte_Call_Sa_MtrDrvDiag_SystemTime_DtrmnElapsedTime_uS_u16	1	Rte_Call_Sa_MtrDrvDiag_SystemTime_DtrmnElapsedTime_uS_u16	1	~
Rte_Call_Sa_MtrDrvDiag_FetFlt2Clk_OP_SET	1	Rte_Call_Sa_MtrDrvDiag_FetFlt2Clk_OP_SET	1	~
GateDrvWaitTime	1	GateDrvWaitTime	1	✓
Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32	1	Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32	1	~
Rte_Call_Sa_MtrDrvDiag_SystemTime_DtrmnElapsedTime_uS_u16	1	Rte_Call_Sa_MtrDrvDiag_SystemTime_DtrmnElapsedTime_uS_u16	1	~
Rte_Call_Sa_MtrDrvDiag_FetFlt1Data_OP_GET	1	Rte_Call_Sa_MtrDrvDiag_FetFlt1Data_OP_GET	1	~
Rte_Call_Sa_MtrDrvDiag_FetFlt2Clk_OP_SET	1	Rte_Call_Sa_MtrDrvDiag_FetFlt2Clk_OP_SET	1	~
GateDrvWaitTime	1	GateDrvWaitTime	1	~
Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32	1	Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32	1	~
Rte_Call_Sa_MtrDrvDiag_SystemTime_DtrmnElapsedTime_uS_u16	1	Rte_Call_Sa_MtrDrvDiag_SystemTime_DtrmnElapsedTime_uS_u16	1	~
Rte_Call_Sa_MtrDrvDiag_IoHwAbPortConfig_SetFetFlt2ToOutput	1	Rte_Call_Sa_MtrDrvDiag_IoHwAbPortConfig_SetFetFlt2ToOutput	1	•
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_u	116	
OnStateFltAccPtr_Cnt_T_u16	target_OnStateFltAccPtr_Cnt_T_u16		
Rte_Call_Sa_MtrDrvDiag_NxtrDiagMgr_GetNTCFailed(NTCFailed_Ptr_T_lgc)	target_Rte_Call_Sa_MtrDrvDiag_NxtrDi	agMgr_GetNTCFailed_NTCFailed_Ptr_T_lgc	
Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32(CurrentTime)	target_Rte_Call_Sa_MtrDrvDiag_Syster	nTime_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_I	g ₁ 0		
target_Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32_CurrentT	ir 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 Rte_Call_Sa_MtrDrvDiag_FetFlt2Clk_OP_SET	1	Rte_Call_Sa_MtrDrvDiag_FetFlt1Data_OP_GET Rte_Call_Sa_MtrDrvDiag_FetFlt2Clk_OP_SET	1	Ĭ
GateDrvWaitTime	1	GateDrvWaitTime	1	
Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32	1	Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32	1	
Rte_Call_Sa_MtrDrvDiag_SystemTime_DtrmnElapsedTime_uS_u16	1	Rte_Call_Sa_MtrDrvDiag_SystemTime_DtrmnElapsedTime_uS_u16	1	
Rte_Call_Sa_MtrDrvDiag_FetFlt2Clk_OP_SET	1	Rte_Call_Sa_MtrDrvDiag_FetFlt2Clk_OP_SET	1	
GateDrvWaitTime	1	GateDrvWaitTime	1	
Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32	1	Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32	1	
Rte_Call_Sa_MtrDrvDiag_SystemTime_DtrmnElapsedTime_uS_u16	1	Rte_Call_Sa_MtrDrvDiag_SystemTime_DtrmnElapsedTime_uS_u16	1	
Rte_Call_Sa_MtrDrvDiag_FetFlt1Data_OP_GET	1	Rte_Call_Sa_MtrDrvDiag_FetFlt1Data_OP_GET	1	
Rte_Call_Sa_MtrDrvDiag_FetFlt2Clk_OP_SET	1	Rte_Call_Sa_MtrDrvDiag_FetFlt2Clk_OP_SET	1	
GateDrvWaitTime	1	GateDrvWaitTime	1	
Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32	1	Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32	1	•
Rte_Call_Sa_MtrDrvDiag_SystemTime_DtrmnElapsedTime_uS_u16	1	Rte_Call_Sa_MtrDrvDiag_SystemTime_DtrmnElapsedTime_uS_u16	1	-
Rte_Call_Sa_MtrDrvDiag_FetFlt2Clk_OP_SET	1	Rte_Call_Sa_MtrDrvDiag_FetFlt2Clk_OP_SET	1	•
GateDrvWaitTime	1	GateDrvWaitTime	1	•
Rte_Call_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		GateDrvWaitTime		
Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32	1	Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32	1	
Rte_Call_Sa_MtrDrvDiag_SystemTime_DtrmnElapsedTime_uS_u16 Rte_Call_Sa_MtrDrvDiag_FetFlt1Data_OP_GET	1	Rte_Call_Sa_MtrDrvDiag_SystemTime_DtrmnElapsedTime_uS_u16 Rte_Call_Sa_MtrDrvDiag_FetFlt1Data_OP_GET	1	
Rte_Call_Sa_MtrDrvDiag_FetFlt2Clk_OP_SET	1	Rte_Call_Sa_MtrDrvDiag_FetFlt2Clk_OP_SET	1	
GateDrvWaitTime	1	GateDrvWaitTime	1	j
Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32	1	Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32	1	•
Rte_Call_Sa_MtrDrvDiag_SystemTime_DtrmnElapsedTime_uS_u16	1	Rte Call Sa MtrDrvDiag SystemTime DtrmnElapsedTime uS u16	1	
Rte Call Sa MtrDrvDiag FetFlt2Clk OP SET	1	Rte_Call_Sa_MtrDrvDiag_FetFlt2Clk_OP_SET	1	•
GateDrvWaitTime	1	GateDrvWaitTime	1	
Rte_Call_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	1 253	Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32	1	
Rte_Call_Sa_MtrDrvDiag_SystemTime_DtrmnElapsedTime_uS_u16		Rte_Call_Sa_MtrDrvDiag_SystemTime_DtrmnElapsedTime_uS_u16	253	
Rte_Call_Sa_MtrDrvDiag_FetFlt1Data_OP_GET Rte_Call_Sa_MtrDrvDiag_FetFlt2Clk_OP_SET	1	Rte_Call_Sa_MtrDrvDiag_FetFlt1Data_OP_GET Rte_Call_Sa_MtrDrvDiag_FetFlt2Clk_OP_SET	1	
GateDrvWaitTime	1	GateDrvWaitTime	1	
Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32	1	Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32	1	
Rte_Call_Sa_MtrDrvDiag_SystemTime_detsystemTime_uS_u32 Rte_Call_Sa_MtrDrvDiag_SystemTime_DtrmnElapsedTime_uS_u16	1	Rte_Call_Sa_MtrDrvDiag_SystemTime_DtrmnElapsedTime_uS_u16	1	
Rte_Call_Sa_MtrDrvDiag_System** Inte_Dtrime_lapsed** Inte_uS_u** Rte_Call_Sa_MtrDrvDiag_FetFlt2Clk_OP_SET	1	Rte Call Sa MtrDrvDiag FetFlt2Clk OP SET	1	
GateDrvWaitTime	1	GateDrvWaitTime	1	
Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32	1	Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32	1	
Rte_Call_Sa_MtrDrvDiag_SystemTime_DtrmnElapsedTime_uS_u16	1	Rte_Call_Sa_MtrDrvDiag_SystemTime_DtrmnElapsedTime_uS_u16	1	•
Rte_Call_Sa_MtrDrvDiag_FetFlt1Data_OP_GET	1	Rte_Call_Sa_MtrDrvDiag_FetFlt1Data_OP_GET	1	
Rte_Call_Sa_MtrDrvDiag_FetFlt2Clk_OP_SET	1	Rte_Call_Sa_MtrDrvDiag_FetFlt2Clk_OP_SET	1	•



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

Test Step 3.6 (Repeat Count = 1)			✓
Name	Input Value		
GenGateDriveFltAccPtr_Cnt_T_u16	target_GenGateDriveFltAccPtr_Cnt_T_u16		
OnStateFitAccPtr_Cnt_T_u16	target_OnStateFltAccPtr_Cnt_T_u16		
Rte_Call_Sa_MtrDrvDiag_NxtrDiagMgr_GetNTCFailed(NTCFailed_Ptr_T_lgc)	target_Rte_Call_Sa_MtrDrvDiag_NxtrDiagM	gr_GetNTCFailed_NTCFailed_Ptr_T_lgc	
Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32(CurrentTime)	target_Rte_Call_Sa_MtrDrvDiag_SystemTin	ne_GetSystemTime_uS_u32_CurrentTime	
SVDiag_FETFaultPhase_Cnt_M_enum	2		
SVDiag_FETFaultType_Cnt_M_enum	0		
SVDiag_ResetWaitLoop_Cnt_M_lgc	1		
k_OnStateDiag_Cnt_str.Threshold	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		
$target_Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32_CurrentTime_us_u32_CurrentTime_us_u32_CurrentTime_us_u32_CurrentTime_us_u32_CurrentTime_us_u32_CurrentTime_us_u32_CurrentTime_us_u332_CurrentT$	r 4294967295		
Name	Actual Value	Expected Value	Result
Rte_Call_Sa_MtrDrvDiag_NxtrDiagMgr_SetNTCStatus(NTC_Cnt_T_enum)	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	Process of the second	Count	Resul
Rte_Call_Sa_MtrDrvDiag_NxtrDiagMgr_GetNTCFailed	1	Rte_Call_Sa_MtrDrvDiag_NxtrDiagMgr_GetNTCFailed	1	•
ReadMtrDrvFltData	1	ReadMtrDrvFltData	1	•
Rte_Call_Sa_MtrDrvDiag_loHwAbPortConfig_SetFetFlt2ToOutput	1	Rte_Call_Sa_MtrDrvDiag_loHwAbPortConfig_SetFetFlt2ToOutput	1	•
Rte_Call_Sa_MtrDrvDiag_FetFlt2Clk_OP_SET	1	Rte_Call_Sa_MtrDrvDiag_FetFlt2Clk_OP_SET	1	•
GateDrvWaitTime	1	GateDrvWaitTime	1	•
Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32	1	Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32	1	•
Rte_Call_Sa_MtrDrvDiag_SystemTime_DtrmnElapsedTime_uS_u16	1	Rte_Call_Sa_MtrDrvDiag_SystemTime_DtrmnElapsedTime_uS_u16	1	•
Rte_Call_Sa_MtrDrvDiag_FetFlt1Data_OP_GET	1	Rte_Call_Sa_MtrDrvDiag_FetFlt1Data_OP_GET	1	•
Rte_Call_Sa_MtrDrvDiag_FetFlt2Clk_OP_SET	1	Rte_Call_Sa_MtrDrvDiag_FetFlt2Clk_OP_SET	1	
GateDrvWaitTime	1	GateDrvWaitTime	1	
Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32	1	Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32	1	
Rte_Call_Sa_MtrDrvDiag_SystemTime_DtrmnElapsedTime_uS_u16	1	Rte_Call_Sa_MtrDrvDiag_SystemTime_DtrmnElapsedTime_uS_u16	1	
Rte_Call_Sa_MtrDrvDiag_FetFlt2Clk_OP_SET GateDrvWaitTime	1	Rte_Call_Sa_MtrDrvDiag_FetFlt2Clk_OP_SET GateDrvWaitTime	1	
	1		1	
Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32 Rte_Call_Sa_MtrDrvDiag_SystemTime_DtrmnElapsedTime_uS_u16	1	Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32 Rte_Call_Sa_MtrDrvDiag_SystemTime_DtrmnElapsedTime_uS_u16	1	
Rte_Call_Sa_MtrDrvDiag_SystemTime_DtminiciapsedTime_us_u16 Rte_Call_Sa_MtrDrvDiag_FetFlt1Data_OP_GET	1	Rte_Call_Sa_MtrDrvDiag_FetFlt1Data_OP_GET	1	
Rte_Call_Sa_MtrDrvDiag_FetFlt2Clk_OP_SET	1	Rte_Call_Sa_MtrDrvDiag_FetFlt2Clk_OP_SET	1	
GateDrvWaitTime	1	GateDryWaitTime	1	
Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32	1	Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32	1	
Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_uS2 Rte_Call_Sa_MtrDrvDiag_SystemTime_DtrmnElapsedTime_uS_u16	1	Rte_Call_Sa_MtrDrvDiag_SystemTime_DtrmnElapsedTime_uS_u16	1	
Rte_Call_Sa_MtrDrvDiag_SystemTime_btrminElapsedTime_uS_uTo Rte_Call_Sa_MtrDrvDiag_FetFlt2Clk_OP_SET	1	Rte_Call_Sa_MtrDrvDiag_FetFlt2Clk_OP_SET	1	
Rte_Call_Sa_MtrDrvDlag_FetFlt2Clk_OP_SE1 GateDrvWaitTime	1	GateDrvWaitTime	1	
Rte Call Sa MtrDrvDiag SystemTime GetSystemTime uS u32	1	Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32	1	
Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_uS2 Rte_Call_Sa_MtrDrvDiag_SystemTime_DtrmnElapsedTime_uS_u16	253	Rte_Call_Sa_MtrDrvDiag_SystemTime_DtrmnElapsedTime_uS_u16	253	
Rte_Call_Sa_MtrDrvDiag_Systemmine_Duminiciapsed nine_us_unb	1	Rte_Call_Sa_MtrDrvDiag_FetFlt1Data_OP_GET	1	
Rte_Call_Sa_MtrDrvDiag_FetFlt2Clk_OP_SET	1	Rte_Call_Sa_MtrDrvDiag_FetFlt2Clk_OP_SET	1	
GateDryWaitTime	1	GateDryWaitTime	1	
Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32	1	Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32	1	
Rte_Call_Sa_MtrDrvDiag_SystemTime_DtrmnElapsedTime_uS_u16	1	Rte_Call_Sa_MtrDrvDiag_SystemTime_DtrmnElapsedTime_uS_u16	1	
Rte_Call_Sa_MtrDrvDiag_FetFlt2Clk_OP_SET	1	Rte_Call_Sa_MtrDrvDiag_FetFlt2Clk_OP_SET	1	
GateDryWaitTime	1	GateDryWaitTime	1	
Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32	1	Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32	1	
Rte_Call_Sa_MtrDrvDiag_SystemTime_DtrmnElapsedTime_uS_u16	1	Rte_Call_Sa_MtrDrvDiag_SystemTime_DtrmnElapsedTime_uS_u16	1	
Rte_Call_Sa_MtrDrvDiag_FetFlt1Data_OP_GET	1	Rte_Call_Sa_MtrDrvDiag_FetFlt1Data_OP_GET	1	
Rte_Call_Sa_MtrDrvDiag_FetFlt2Clk_OP_SET	1	Rte_Call_Sa_MtrDrvDiag_FetFlt2Clk_OP_SET	1	•
GateDrvWaitTime	1	GateDrvWaitTime	1	
Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32	1	Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32	1	•
Rte_Call_Sa_MtrDrvDiag_SystemTime_DtrmnElapsedTime_uS_u16	1	Rte_Call_Sa_MtrDrvDiag_SystemTime_DtrmnElapsedTime_uS_u16	1	
Rte_Call_Sa_MtrDrvDiag_FetFlt2Clk_OP_SET	1	Rte_Call_Sa_MtrDrvDiag_FetFlt2Clk_OP_SET	1	
GateDrvWaitTime	1	GateDrvWaitTime	1	
Rte_Call_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	•
Tite_Cail_Sa_WitDIVDiag_FetFit2Cik_OF_SET				



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	~

GateDrvWaitTime

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 Project
 MtrDrvDiag

 Module
 MtrDrvDiag

 Test Object
 GateDrvWaitTime

Instrumentation: Test Object Only

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

Statistics

Total Testcases	3	
Successful	3	~
Failed	0	
Not Executed	0	

Module Properties

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

Comments/Description/Spe	ecification
Name	Text



Module 'MtrDrvDiag'

Name of Tester: Spoorti Mali

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

Module Design Document:Motor_Driver_Diagnostics_MDD.doc
Module Design Document Version: 11
Data Dictionary Version: 11
Unit Test Plan Version: 3
Optimization Level:Level 2
Compiler (CodeGen) Version: TMS470_4.9.5
Model Type: Excel Macro
Model Version:Nexteer EPS Unit Test Tool 2.7d/ EPS Library 1.31
Total FLASH Used (Bytes): 1334
Total RAM Used (Bytes): 17
Total CALS Used (Bytes): 50
Special Test Requirements:
Test Date:01-29-2015
Comments: Comments:

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

is not unit Tested.

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

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

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

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

Attributes		
Name	Value	
Compiler Install Path	\$(ProgramFiles)\Texas Instruments\ccsv4\tools\compiler\tms470_4.9.5	
Float Precision	9	
InitObjDir	\$(PROJECTROOT)\UnitTestEnv\static_build_files\obj	
InitSrcDir	\$(PROJECTROOT)\UnitTestEnv\static_build_files\src	
Linker File	\$(PROJECTROOT)\UnitTestEnv\static_build_files\sys_link.cmd	
Makefile Template	\$(PROJECTROOT)\UnitTestEnv\config\Nexteer_ts_make_ude_ti_tms570.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 TC2.4 520 Cycles TC2.5 520 Cycles TC2.6 519 Cycles TC2.7 519 Cycles TC2.8 519 Cycles TC2.9 801 Cycles TC2.10 519 Cycles

Vector Description Description

TS2.1TimeToWait_uS_T_u16p0=Min TS2.2TimeToWait_uS_T_u16p0=Max TS2.3TimeToWait_uS_T_u16p0=Pos TS2.4Rte_Call_SystemTime_DtrnnElapsedTime_uS_u16=Min TS2.5Rte_Call_SystemTime_DtrnnElapsedTime_uS_u16=Max TS2.6Rte_Call_SystemTime_DtrnnElapsedTime_uS_u16=Pos TS2.7Rte_Call_SystemTime_GetSystemTime_uS_u32=Min TS2.8Rte_Call_SystemTime_GetSystemTime_uS_u32=Max TS2.9Rte_Call_SystemTime_GetSystemTime_uS_u32=Pos

TS2.10All Min TS2.11All Max

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

Т				
Actual Function	Count	Expected Function	Count	Result
Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32	1	Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32	1	~
Rte_Call_Sa_MtrDrvDiag_SystemTime_DtrmnElapsedTime_uS_u16	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				V
Actual Function	Count	Expected Function	Count	Result
Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32	1	Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32	1	~
Rte_Call_Sa_MtrDrvDiag_SystemTime_DtrmnElapsedTime_uS_u16	1	Rte_Call_Sa_MtrDrvDiag_SystemTime_DtrmnElapsedTime_uS_u16	1	~

Test Step 2.6 (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				V
Actual Function	Count	Expected Function	Count	Result
Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32	1	Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32	1	~
Rte Call Sa MtrDrvDiag SystemTime DtrmnElapsedTime uS u16	1	Rte Call Sa MtrDrvDiag SystemTime DtrmnElapsedTime uS u16	1	✓

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

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

Test Step 2.8 (Repeat Count = 1)	✓
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	50000000

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

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

Τ				✓
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	✓

CIO CYCICD

TC3.1 516 Cycles TC3.2 801 Cycles

Description Vector Description

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

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 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
TimeToWait_uS_T_u16p0	10000

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GateDrvWaitTime

Name	Input Value
tgt_Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32_Curr	50000000

Т				~
Actual Function	Count	Expected Function	Count	Result
Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32	1	Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32	1	~
Rte_Call_Sa_MtrDrvDiag_SystemTime_DtrmnElapsedTime_uS_u16	2	Rte_Call_Sa_MtrDrvDiag_SystemTime_DtrmnElapsedTime_uS_u16	2	✓

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 Project
 MtrDrvDiag

 Module
 MtrDrvDiag

 Test Object
 ReadMtrDrvFltData

Instrumentation: Test Object Only

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

Statistics

Total Testcases	3	
Successful	3	~
Failed	0	
Not Executed	0	

Module Properties

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

Comments/Description/Spe	ecification
Name	Text



Module 'MtrDrvDiag'

Name of Tester: Spoorti Mali

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

Module Design Document:Motor_Driver_Diagnostics_MDD.doc
Module Design Document Version: 11
Data Dictionary Version: 11
Unit Test Plan Version: 3
Optimization Level:Level 2
Compiler (CodeGen) Version: TMS470_4.9.5
Model Type: Excel Macro
Model Version:Nexteer EPS Unit Test Tool 2.7d/ EPS Library 1.31
Total FLASH Used (Bytes): 1334
Total RAM Used (Bytes): 17
Total CALS Used (Bytes): 50
Special Test Requirements:
Test Date:01-29-2015
Comments: Comments:

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

is not unit Tested.

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

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

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

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

Ass. II	
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	<pre>\$(PROJECTROOT)\UnitTestEnv\config\Nexteer_ts_make_ude_ti_tms570.tpl</pre>
Target Install Path	\$(ProgramFiles)\pls
Time Unit	Cycles
Timer Enabled	false
Timer Prescale	0
Timer Resolution	1
UDE Config File	\$(PROJECTROOT)\UnitTestEnv\config\TMS570_UDE_12PIN_JTAG.cfg
Workspace File	D:\Synergy Work Area\CBD MtrDrvDiag\UnitTestEnv\config\UDE TMS570 DEBUG.WSP



Test Case 1: Metrics Test

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

TC1.1 644073 Cycles TC1.2 648550 Cycles

Description Vector Description

TS1.1"Shortest Execution Path:

TS1.1"Shortest Execution Path:

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

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

TS1.2"Longest Execution Path:

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

(TRUE == DataHigh_Cnt_T_lgc)=True &&

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

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

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

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

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

Test Step 1.1 (Repeat Count = 1)			✓
Name	Input Value		
Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32(CurrentTime)	tgt_Rte_Call_Sa_MtrDrvDiag_SystemTime_	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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-

ReadMtrDrvFltData

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Actual Function		Expected Function		Result
Rte_Call_Sa_MtrDrvDiag_loHwAbPortConfig_SetFetFlt2ToOutput	1	Rte_Call_Sa_MtrDrvDiag_IoHwAbPortConfig_SetFetFlt2ToOutput	1	
Rte_Call_Sa_MtrDrvDiag_FetFlt2Clk_OP_SET GateDrvWaitTime	1	Rte_Call_Sa_MtrDrvDiag_FetFlt2Clk_OP_SET GateDrvWaitTime	1	· ·
Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32	1	Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32	1	
Rte_Call_Sa_MtrDrvDiag_SystemTime_DtrmnElapsedTime_uS_u16	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	V
Rte_Call_Sa_MtrDrvDiag_FetFlt1Data_OP_GET	1	Rte_Call_Sa_MtrDrvDiag_FetFlt1Data_OP_GET	1	✓
Rte_Call_Sa_MtrDrvDiag_FetFlt2Clk_OP_SET GateDrvWaitTime	1	Rte_Call_Sa_MtrDrvDiag_FetFlt2Clk_OP_SET GateDrvWaitTime	1	¥
Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32	1	Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32	1	-
Rte_Call_Sa_MtrDrvDiag_SystemTime_DtrmnElapsedTime_uS_u16	1	Rte Call Sa MtrDrvDiag SystemTime_GetSystemTime_us_us2	1	
Rte Call Sa MtrDrvDiag FetFlt2Clk OP SET	1	Rte Call Sa MtrDrvDiag FetFlt2Clk OP SET	1	
GateDrvWaitTime	1	GateDrvWaitTime	1	_
Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32	1	Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32	1	•
Rte_Call_Sa_MtrDrvDiag_SystemTime_DtrmnElapsedTime_uS_u16	255	Rte_Call_Sa_MtrDrvDiag_SystemTime_DtrmnElapsedTime_uS_u16	255	-
Rte_Call_Sa_MtrDrvDiag_FetFlt1Data_OP_GET	1	Rte_Call_Sa_MtrDrvDiag_FetFlt1Data_OP_GET	1	✓
Rte_Call_Sa_MtrDrvDiag_FetFlt2Clk_OP_SET	1	Rte_Call_Sa_MtrDrvDiag_FetFlt2Clk_OP_SET	1	~
GateDrvWaitTime	1	GateDrvWaitTime	1	~
Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32	1	Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32	1	~
Rte_Call_Sa_MtrDrvDiag_SystemTime_DtrmnElapsedTime_uS_u16	1	Rte_Call_Sa_MtrDrvDiag_SystemTime_DtrmnElapsedTime_uS_u16	1	~
Rte_Call_Sa_MtrDrvDiag_FetFlt2Clk_OP_SET	1	Rte_Call_Sa_MtrDrvDiag_FetFlt2Clk_OP_SET	1	~
GateDrvWaitTime	1	GateDrvWaitTime	1	~
Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32	1	Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32	1	~
Rte_Call_Sa_MtrDrvDiag_SystemTime_DtrmnElapsedTime_uS_u16	255	Rte_Call_Sa_MtrDrvDiag_SystemTime_DtrmnElapsedTime_uS_u16	255	~
Rte_Call_Sa_MtrDrvDiag_FetFlt1Data_OP_GET	1	Rte_Call_Sa_MtrDrvDiag_FetFlt1Data_OP_GET	1	V
Rte_Call_Sa_MtrDrvDiag_FetFlt2Clk_OP_SET GateDrvWaitTime	1	Rte_Call_Sa_MtrDrvDiag_FetFlt2Clk_OP_SET GateDrvWaitTime	1	V
Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32	1	Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32	1	
Rte_Call_Sa_MtrDrvDiag_SystemTime_DtrmnElapsedTime_uS_u16	1	Rte_Call_Sa_MtrDrvDiag_SystemTime_detSystemTime_uS_u16	1	
Rte_Call_Sa_MtrDrvDiag_FetFlt2Clk_OP_SET	1	Rte_Call_Sa_MtrDrvDiag_FetFlt2Clk_OP_SET	1	~
GateDrvWaitTime	1	GateDrvWaitTime	1	-
Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32	1	Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32	1	•
Rte_Call_Sa_MtrDrvDiag_SystemTime_DtrmnElapsedTime_uS_u16	255	Rte_Call_Sa_MtrDrvDiag_SystemTime_DtrmnElapsedTime_uS_u16	255	~
Rte_Call_Sa_MtrDrvDiag_FetFlt1Data_OP_GET	1	Rte_Call_Sa_MtrDrvDiag_FetFlt1Data_OP_GET	1	~
Rte_Call_Sa_MtrDrvDiag_FetFlt2Clk_OP_SET	1	Rte_Call_Sa_MtrDrvDiag_FetFlt2Clk_OP_SET	1	~
GateDrvWaitTime	1	GateDrvWaitTime	1	~
Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32	1	Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32	1	~
Rte_Call_Sa_MtrDrvDiag_SystemTime_DtrmnElapsedTime_uS_u16	1	Rte_Call_Sa_MtrDrvDiag_SystemTime_DtrmnElapsedTime_uS_u16	1	~
Rte_Call_Sa_MtrDrvDiag_FetFlt2Clk_OP_SET	1	Rte_Call_Sa_MtrDrvDiag_FetFlt2Clk_OP_SET	1	~
GateDrvWaitTime	1	GateDrvWaitTime	1	V
Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32	1	Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32	1	~
Rte_Call_Sa_MtrDrvDiag_SystemTime_DtrmnElapsedTime_uS_u16 Rte Call Sa MtrDrvDiag FetFlt1Data OP GET	255 1	Rte_Call_Sa_MtrDrvDiag_SystemTime_DtrmnElapsedTime_uS_u16 Rte_Call_Sa_MtrDrvDiag_FetFlt1Data_OP_GET	255	V
Rte Call Sa MtrDrvDiag FetFlt2Clk OP SET	1	Rte_Call_Sa_MtrDrvDiag_FetFlt2Clk_OP_SET	1	~
GateDrvWaitTime	1	GateDrvWaitTime	1	
Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32	1	Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32	1	·
Rte Call Sa MtrDrvDiag SystemTime DtrmnElapsedTime uS u16	1	Rte_Call_Sa_MtrDrvDiag_SystemTime_DtrmnElapsedTime_uS_u16	1	-
Rte Call Sa MtrDrvDiag FetFlt2Clk OP SET	1	Rte_Call_Sa_MtrDrvDiag_FetFlt2Clk_OP_SET	1	•
GateDrvWaitTime	1	GateDrvWaitTime	1	-
Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32	1	Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32	1	•
Rte_Call_Sa_MtrDrvDiag_SystemTime_DtrmnElapsedTime_uS_u16	255	Rte_Call_Sa_MtrDrvDiag_SystemTime_DtrmnElapsedTime_uS_u16	255	~
Rte_Call_Sa_MtrDrvDiag_FetFlt1Data_OP_GET	1	Rte_Call_Sa_MtrDrvDiag_FetFlt1Data_OP_GET	1	~
Rte_Call_Sa_MtrDrvDiag_FetFlt2Clk_OP_SET	1	Rte_Call_Sa_MtrDrvDiag_FetFlt2Clk_OP_SET	1	~
GateDrvWaitTime	1	GateDrvWaitTime	1	~
Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32	1	Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32	1	~
Rte_Call_Sa_MtrDrvDiag_SystemTime_DtrmnElapsedTime_uS_u16	1	Rte_Call_Sa_MtrDrvDiag_SystemTime_DtrmnElapsedTime_uS_u16	1	~
Rte_Call_Sa_MtrDrvDiag_FetFlt2Clk_OP_SET	1	Rte_Call_Sa_MtrDrvDiag_FetFlt2Clk_OP_SET	1	~
GateDrvWaitTime	1	GateDrvWaitTime	1	✓
Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32	1	Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32	1	*
Rte_Call_Sa_MtrDrvDiag_SystemTime_DtrmnElapsedTime_uS_u16	255	Rte_Call_Sa_MtrDrvDiag_SystemTime_DtrmnElapsedTime_uS_u16	255	✓
Rte_Call_Sa_MtrDrvDiag_FetFlt1Data_OP_GET	1	Rte_Call_Sa_MtrDrvDiag_FetFlt1Data_OP_GET	1	V
Rte_Call_Sa_MtrDrvDiag_FetFlt2Clk_OP_SET	1	Rte_Call_Sa_MtrDrvDiag_FetFlt2Clk_OP_SET GateDrvWaitTime	1	*
CateDn/MaitTime				ı 🗸
GateDrvWaitTime Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32	1	Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32	1	~

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ReadMtrDrvFltData

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

Test Step 1.2 (Repeat Count = 1)			
Name	Input Value		
Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32(CurrentTime)	tgt_Rte_Call_Sa_MtrDrvDiag_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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ReadMtrDrvFltData

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Actual Function		Expected Function		Result
Rte_Call_Sa_MtrDrvDiag_loHwAbPortConfig_SetFetFlt2ToOutput	1	Rte_Call_Sa_MtrDrvDiag_loHwAbPortConfig_SetFetFlt2ToOutput	1	•
Rte_Call_Sa_MtrDrvDiag_FetFlt2Clk_OP_SET	1	Rte_Call_Sa_MtrDrvDiag_FetFlt2Clk_OP_SET	1	•
GateDrvWaitTime	1	GateDrvWaitTime	1	•
Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32	1	Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32	1	•
Rte_Call_Sa_MtrDrvDiag_SystemTime_DtrmnElapsedTime_uS_u16	1	Rte_Call_Sa_MtrDrvDiag_SystemTime_DtrmnElapsedTime_uS_u16	1	•
Rte_Call_Sa_MtrDrvDiag_FetFlt1Data_OP_GET	1	Rte_Call_Sa_MtrDrvDiag_FetFlt1Data_OP_GET	1	
Rte_Call_Sa_MtrDrvDiag_FetFlt2Clk_OP_SET	1	Rte_Call_Sa_MtrDrvDiag_FetFlt2Clk_OP_SET	1	
GateDrvWaitTime	1	GateDrvWaitTime Pto Call So MtrDrvDing SystemTime CotSystemTime us use	1	
Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32 Rte_Call_Sa_MtrDrvDiag_SystemTime_DtrmnElapsedTime_uS_u16	1	Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32	1	
	1	Rte_Call_Sa_MtrDrvDiag_SystemTime_DtrmnElapsedTime_uS_u16	1	
Rte_Call_Sa_MtrDrvDiag_FetFlt2Clk_OP_SET	1	Rte_Call_Sa_MtrDrvDiag_FetFlt2Clk_OP_SET	1	
GateDrvWaitTime Pto Call So MtrDrvDing SystemTime CotSystemTime us use	1	GateDrvWaitTime	1	
Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32	255	Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32	255	
Rte_Call_Sa_MtrDrvDiag_SystemTime_DtrmnElapsedTime_uS_u16		Rte_Call_Sa_MtrDrvDiag_SystemTime_DtrmnElapsedTime_uS_u16	1	
Rte_Call_Sa_MtrDrvDiag_FetFlt1Data_OP_GET	1	Rte_Call_Sa_MtrDrvDiag_FetFlt1Data_OP_GET Rte_Call_Sa_MtrDrvDiag_FetFlt2Clk_OP_SET	1	
Rte_Call_Sa_MtrDrvDiag_FetFlt2Clk_OP_SET GateDrvWaitTime	1	GateDrvWaitTime	1	
	1		1	
Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32	1	Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32	1	
Rte_Call_Sa_MtrDrvDiag_SystemTime_DtrmnElapsedTime_uS_u16		Rte_Call_Sa_MtrDrvDiag_SystemTime_DtrmnElapsedTime_uS_u16	1	
Rte_Call_Sa_MtrDrvDiag_FetFlt2Clk_OP_SET	1	Rte_Call_Sa_MtrDrvDiag_FetFlt2Clk_OP_SET		•
GateDrvWaitTime	1	GateDrvWaitTime Pto Call So MtrDrvDing SystemTime CotSystemTime us us2	1	•
Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32		Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32		•
Rte_Call_Sa_MtrDrvDiag_SystemTime_DtrmnElapsedTime_uS_u16	255	Rte_Call_Sa_MtrDrvDiag_SystemTime_DtrmnElapsedTime_uS_u16	255	•
Rte_Call_Sa_MtrDrvDiag_FetFlt1Data_OP_GET	1	Rte_Call_Sa_MtrDrvDiag_FetFlt1Data_OP_GET	1	
Rte_Call_Sa_MtrDrvDiag_FetFlt2Clk_OP_SET	1	Rte_Call_Sa_MtrDrvDiag_FetFlt2Clk_OP_SET	1	
GateDrvWaitTime Pto Call So MtrDrvDing SystemTime CotSystemTime us use		GateDrvWaitTime	1	•
Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32	1	Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32	1	•
Rte_Call_Sa_MtrDrvDiag_SystemTime_DtrmnElapsedTime_uS_u16	1	Rte_Call_Sa_MtrDrvDiag_SystemTime_DtrmnElapsedTime_uS_u16		•
Rte_Call_Sa_MtrDrvDiag_FetFlt2Clk_OP_SET	1	Rte_Call_Sa_MtrDrvDiag_FetFlt2Clk_OP_SET	1	•
GateDrvWaitTime	1	GateDrvWaitTime	1	•
Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32	1	Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32	1	•
Rte_Call_Sa_MtrDrvDiag_SystemTime_DtrmnElapsedTime_uS_u16	255	Rte_Call_Sa_MtrDrvDiag_SystemTime_DtrmnElapsedTime_uS_u16	255	•
Rte_Call_Sa_MtrDrvDiag_FetFlt1Data_OP_GET	1	Rte_Call_Sa_MtrDrvDiag_FetFlt1Data_OP_GET	1	•
Rte_Call_Sa_MtrDrvDiag_FetFlt2Clk_OP_SET	1	Rte_Call_Sa_MtrDrvDiag_FetFlt2Clk_OP_SET	1	•
GateDrvWaitTime	1	GateDrvWaitTime	1	· ·
Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32		Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32		
Rte_Call_Sa_MtrDrvDiag_SystemTime_DtrmnElapsedTime_uS_u16	1	Rte_Call_Sa_MtrDrvDiag_SystemTime_DtrmnElapsedTime_uS_u16	1	•
Rte_Call_Sa_MtrDrvDiag_FetFlt2Clk_OP_SET	1	Rte_Call_Sa_MtrDrvDiag_FetFlt2Clk_OP_SET	1	•
GateDrvWaitTime	1	GateDrvWaitTime	1	•
Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32	1	Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32	1	•
Rte_Call_Sa_MtrDrvDiag_SystemTime_DtrmnElapsedTime_uS_u16	255	Rte_Call_Sa_MtrDrvDiag_SystemTime_DtrmnElapsedTime_uS_u16	255	•
Rte_Call_Sa_MtrDrvDiag_FetFlt1Data_OP_GET	1	Rte_Call_Sa_MtrDrvDiag_FetFlt1Data_OP_GET	1	•
Rte_Call_Sa_MtrDrvDiag_FetFlt2Clk_OP_SET	1	Rte_Call_Sa_MtrDrvDiag_FetFlt2Clk_OP_SET	1	•
GateDrvWaitTime	1	GateDrvWaitTime	1	_
Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32	1	Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32	1	~
Rte_Call_Sa_MtrDrvDiag_SystemTime_DtrmnElapsedTime_uS_u16	1	Rte_Call_Sa_MtrDrvDiag_SystemTime_DtrmnElapsedTime_uS_u16	1	•
Rte_Call_Sa_MtrDrvDiag_FetFlt2Clk_OP_SET	1	Rte_Call_Sa_MtrDrvDiag_FetFlt2Clk_OP_SET	1	•
GateDrvWaitTime	1	GateDrvWaitTime	1	✓
Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32	1	Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32	1	•
Rte_Call_Sa_MtrDrvDiag_SystemTime_DtrmnElapsedTime_uS_u16	255	Rte_Call_Sa_MtrDrvDiag_SystemTime_DtrmnElapsedTime_uS_u16	255	•
Rte_Call_Sa_MtrDrvDiag_FetFlt1Data_OP_GET	1	Rte_Call_Sa_MtrDrvDiag_FetFlt1Data_OP_GET	1	•
Rte_Call_Sa_MtrDrvDiag_FetFlt2Clk_OP_SET	1	Rte_Call_Sa_MtrDrvDiag_FetFlt2Clk_OP_SET	1	•
GateDrvWaitTime	1	GateDrvWaitTime	1	•
Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32	1	Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32	1	•
Rte_Call_Sa_MtrDrvDiag_SystemTime_DtrmnElapsedTime_uS_u16	1	Rte_Call_Sa_MtrDrvDiag_SystemTime_DtrmnElapsedTime_uS_u16	1	_
Rte_Call_Sa_MtrDrvDiag_FetFlt2Clk_OP_SET	1	Rte_Call_Sa_MtrDrvDiag_FetFlt2Clk_OP_SET	1	•
GateDrvWaitTime	1	GateDrvWaitTime	1	_
Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32	1	Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32	1	•
Rte_Call_Sa_MtrDrvDiag_SystemTime_DtrmnElapsedTime_uS_u16	255	Rte_Call_Sa_MtrDrvDiag_SystemTime_DtrmnElapsedTime_uS_u16	255	•
Rte_Call_Sa_MtrDrvDiag_FetFlt1Data_OP_GET	1	Rte_Call_Sa_MtrDrvDiag_FetFlt1Data_OP_GET	1	•
Rte_Call_Sa_MtrDrvDiag_FetFlt2Clk_OP_SET	1	Rte_Call_Sa_MtrDrvDiag_FetFlt2Clk_OP_SET	1	•
GateDrvWaitTime	1	GateDrvWaitTime	1	•
Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32	1	Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32	1	•
Rte_Call_Sa_MtrDrvDiag_SystemTime_DtrmnElapsedTime_uS_u16	1	Rte_Call_Sa_MtrDrvDiag_SystemTime_DtrmnElapsedTime_uS_u16	1	•
Rte_Call_Sa_MtrDrvDiag_FetFlt2Clk_OP_SET	1	Rte_Call_Sa_MtrDrvDiag_FetFlt2Clk_OP_SET	1	•
GateDrvWaitTime	1	GateDrvWaitTime	1	•
Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32	1	Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32	1	•
	255	Rte_Call_Sa_MtrDrvDiag_SystemTime_DtrmnElapsedTime_uS_u16	255	•
Rte_Call_Sa_MtrDrvDiag_SystemTime_DtrmnElapsedTime_uS_u16		Rte_Call_Sa_MtrDrvDiag_FetFlt1Data_OP_GET	1	
Rte_Call_Sa_MtrDrvDiag_FetFlt1Data_OP_GET	1			
Rte_Call_Sa_MtrDrvDiag_FetFlt1Data_OP_GET Rte_Call_Sa_MtrDrvDiag_FetFlt2Clk_OP_SET	1	Rte_Call_Sa_MtrDrvDiag_FetFlt2Clk_OP_SET	1	•
Rte_Call_Sa_MtrDrvDiag_FetFlt1Data_OP_GET			1 1	~

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ReadMtrDrvFltData

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

Test Case 2: Boundary Test

Specification

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

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

Description Vector Description

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

TS2.7All Max

Test Step 2.1 (Repeat Count = 1)			✓
Name	Input Value		
Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32(CurrentTime)	tgt_Rte_Call_Sa_MtrDrvDiag_System	mTime_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	-0

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ReadMtrDrvFltData





Actual Function		Expected Function		Result
Rte_Call_Sa_MtrDrvDiag_loHwAbPortConfig_SetFetFlt2ToOutput	1	Rte_Call_Sa_MtrDrvDiag_IoHwAbPortConfig_SetFetFlt2ToOutput	1	_
Rte_Call_Sa_MtrDrvDiag_FetFlt2Clk_OP_SET GateDrvWaitTime	1	Rte_Call_Sa_MtrDrvDiag_FetFlt2Clk_OP_SET GateDrvWaitTime	1	· ·
Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32	1	Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32	1	
Rte_Call_Sa_MtrDrvDiag_SystemTime_DtrmnElapsedTime_uS_u16	1	Rte_Call_Sa_MtrDrvDiag_SystemTime_DtrmnElapsedTime_uS_u16	1	-
Rte Call Sa MtrDrvDiag FetFlt1Data OP GET	1	Rte_Call_Sa_MtrDrvDiag_FetFlt1Data_OP_GET	1	•
Rte_Call_Sa_MtrDrvDiag_FetFlt2Clk_OP_SET	1	Rte_Call_Sa_MtrDrvDiag_FetFlt2Clk_OP_SET	1	-
GateDrvWaitTime	1	GateDrvWaitTime	1	~
Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32	1	Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32	1	~
Rte_Call_Sa_MtrDrvDiag_SystemTime_DtrmnElapsedTime_uS_u16	1	Rte_Call_Sa_MtrDrvDiag_SystemTime_DtrmnElapsedTime_uS_u16	1	~
Rte_Call_Sa_MtrDrvDiag_FetFlt2Clk_OP_SET	1	Rte_Call_Sa_MtrDrvDiag_FetFlt2Clk_OP_SET	1	~
GateDrvWaitTime	1	GateDrvWaitTime	1	~
Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32	1	Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32	1	~
Rte_Call_Sa_MtrDrvDiag_SystemTime_DtrmnElapsedTime_uS_u16	255	Rte_Call_Sa_MtrDrvDiag_SystemTime_DtrmnElapsedTime_uS_u16	255	V
Rte_Call_Sa_MtrDrvDiag_FetFlt1Data_OP_GET	1	Rte_Call_Sa_MtrDrvDiag_FetFlt1Data_OP_GET	1	~
Rte_Call_Sa_MtrDrvDiag_FetFlt2Clk_OP_SET GateDrvWaitTime	1	Rte_Call_Sa_MtrDrvDiag_FetFlt2Clk_OP_SET GateDrvWaitTime	1	Y
Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32	1	Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32	1	-
Rte_Call_Sa_MtrDrvDiag_SystemTime_DtrmnElapsedTime_uS_u16	1	Rte Call Sa MtrDrvDiag SystemTime_GetSystemTime_us_us2	1	
Rte Call Sa MtrDrvDiag FetFlt2Clk OP SET	1	Rte Call Sa MtrDrvDiag FetFlt2Clk OP SET	1	-
GateDrvWaitTime	1	GateDrvWaitTime	1	-
Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32	1	Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32	1	•
Rte_Call_Sa_MtrDrvDiag_SystemTime_DtrmnElapsedTime_uS_u16	255	Rte_Call_Sa_MtrDrvDiag_SystemTime_DtrmnElapsedTime_uS_u16	255	
Rte_Call_Sa_MtrDrvDiag_FetFlt1Data_OP_GET	1	Rte_Call_Sa_MtrDrvDiag_FetFlt1Data_OP_GET	1	-
Rte_Call_Sa_MtrDrvDiag_FetFlt2Clk_OP_SET	1	Rte_Call_Sa_MtrDrvDiag_FetFlt2Clk_OP_SET	1	-
GateDrvWaitTime	1	GateDrvWaitTime	1	•
Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32	1	Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32	1	~
Rte_Call_Sa_MtrDrvDiag_SystemTime_DtrmnElapsedTime_uS_u16	1	Rte_Call_Sa_MtrDrvDiag_SystemTime_DtrmnElapsedTime_uS_u16	1	~
Rte_Call_Sa_MtrDrvDiag_FetFlt2Clk_OP_SET	1	Rte_Call_Sa_MtrDrvDiag_FetFlt2Clk_OP_SET	1	~
GateDrvWaitTime	1	GateDrvWaitTime	1	~
Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32	1	Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32	1	~
Rte_Call_Sa_MtrDrvDiag_SystemTime_DtrmnElapsedTime_uS_u16	255	Rte_Call_Sa_MtrDrvDiag_SystemTime_DtrmnElapsedTime_uS_u16	255	~
Rte_Call_Sa_MtrDrvDiag_FetFlt1Data_OP_GET	1	Rte_Call_Sa_MtrDrvDiag_FetFlt1Data_OP_GET	1	~
Rte_Call_Sa_MtrDrvDiag_FetFlt2Clk_OP_SET	1	Rte_Call_Sa_MtrDrvDiag_FetFlt2Clk_OP_SET	1	V
GateDrvWaitTime	1	GateDrvWaitTime	1	~
Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32 Rte_Call_Sa_MtrDrvDiag_SystemTime_DtrmnElapsedTime_uS_u16	1	Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32 Rte_Call_Sa_MtrDrvDiag_SystemTime_DtrmnElapsedTime_uS_u16	1	J
Rte_Call_Sa_MtrDrvDiag_FetFlt2Clk_OP_SET	1	Rte_Call_Sa_MtrDrvDiag_FetFlt2Clk_OP_SET	1	~
GateDrvWaitTime	1	GateDrvWaitTime	1	
Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32	1	Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32	1	~
Rte Call Sa MtrDrvDiag SystemTime DtrmnElapsedTime uS u16	255	Rte Call Sa MtrDrvDiag SystemTime DtrmnElapsedTime uS u16	255	-
Rte_Call_Sa_MtrDrvDiag_FetFlt1Data_OP_GET	1	Rte Call Sa MtrDrvDiag FetFlt1Data OP GET	1	•
Rte_Call_Sa_MtrDrvDiag_FetFlt2Clk_OP_SET	1	Rte_Call_Sa_MtrDrvDiag_FetFlt2Clk_OP_SET	1	~
GateDrvWaitTime	1	GateDrvWaitTime	1	~
Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32	1	Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32	1	~
Rte_Call_Sa_MtrDrvDiag_SystemTime_DtrmnElapsedTime_uS_u16	1	Rte_Call_Sa_MtrDrvDiag_SystemTime_DtrmnElapsedTime_uS_u16	1	~
Rte_Call_Sa_MtrDrvDiag_FetFlt2Clk_OP_SET	1	Rte_Call_Sa_MtrDrvDiag_FetFlt2Clk_OP_SET	1	~
GateDrvWaitTime	1	GateDrvWaitTime	1	~
Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32	1	Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32	1	~
Rte_Call_Sa_MtrDrvDiag_SystemTime_DtrmnElapsedTime_uS_u16	255	Rte_Call_Sa_MtrDrvDiag_SystemTime_DtrmnElapsedTime_uS_u16	255	~
Rte_Call_Sa_MtrDrvDiag_FetFlt1Data_OP_GET	1	Rte_Call_Sa_MtrDrvDiag_FetFlt1Data_OP_GET	1	~
Rte_Call_Sa_MtrDrvDiag_FetFlt2Clk_OP_SET	1	Rte_Call_Sa_MtrDrvDiag_FetFlt2Clk_OP_SET	1	V
GateDrvWaitTime	1	GateDrvWaitTime	1	~
Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32 Rte_Call_Sa_MtrDrvDiag_SystemTime_DtrmnElapsedTime_uS_u16	1	Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32 Rte_Call_Sa_MtrDrvDiag_SystemTime_DtrmnElapsedTime_uS_u16	1	*
Rte Call Sa MtrDrvDiag FetFlt2Clk OP SET	1	Rte_Call_Sa_MtrDrvDiag_FetFlt2Clk_OP_SET	1	~
GateDrvWaitTime	1	GateDrvWaitTime	1	
Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32	1	Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32	1	~
Rte_Call_Sa_MtrDrvDiag_SystemTime_DtrmnElapsedTime_uS_u16	255	Rte_Call_Sa_MtrDrvDiag_SystemTime_DtrmnElapsedTime_uS_u16	255	-
Rte_Call_Sa_MtrDrvDiag_FetFlt1Data_OP_GET	1	Rte Call Sa MtrDrvDiag FetFlt1Data OP GET	1	-
Rte_Call_Sa_MtrDrvDiag_FetFlt2Clk_OP_SET	1	Rte_Call_Sa_MtrDrvDiag_FetFlt2Clk_OP_SET	1	-
GateDrvWaitTime	1	GateDrvWaitTime	1	~
Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32	1	Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32	1	~
Rte_Call_Sa_MtrDrvDiag_SystemTime_DtrmnElapsedTime_uS_u16	1	Rte_Call_Sa_MtrDrvDiag_SystemTime_DtrmnElapsedTime_uS_u16	1	~
Rte_Call_Sa_MtrDrvDiag_FetFlt2Clk_OP_SET	1	Rte_Call_Sa_MtrDrvDiag_FetFlt2Clk_OP_SET	1	~
GateDrvWaitTime	1	GateDrvWaitTime	1	~
Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32	1	Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32	1	~
Rte_Call_Sa_MtrDrvDiag_SystemTime_DtrmnElapsedTime_uS_u16	255	Rte_Call_Sa_MtrDrvDiag_SystemTime_DtrmnElapsedTime_uS_u16	255	~
Rte_Call_Sa_MtrDrvDiag_FetFlt1Data_OP_GET	1	Rte_Call_Sa_MtrDrvDiag_FetFlt1Data_OP_GET	1	~
	1	Rte_Call_Sa_MtrDrvDiag_FetFlt2Clk_OP_SET	1	✓
Rte_Call_Sa_MtrDrvDiag_FetFlt2Clk_OP_SET				
Rte_Call_Sa_MtrDrvDiag_FetFlt2Clk_OP_SET GateDrvWaitTime Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32	1	GateDrvWaitTime Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32	1	✓





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

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

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Actual Function		Expected Function		Result
Rte_Call_Sa_MtrDrvDiag_loHwAbPortConfig_SetFetFlt2ToOutput	1	Rte_Call_Sa_MtrDrvDiag_loHwAbPortConfig_SetFetFlt2ToOutput	1	•
Rte_Call_Sa_MtrDrvDiag_FetFlt2Clk_OP_SET	1	Rte_Call_Sa_MtrDrvDiag_FetFlt2Clk_OP_SET	1	•
GateDrvWaitTime	1	GateDrvWaitTime	1	•
Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32	1	Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32	1	•
Rte_Call_Sa_MtrDrvDiag_SystemTime_DtrmnElapsedTime_uS_u16	1	Rte_Call_Sa_MtrDrvDiag_SystemTime_DtrmnElapsedTime_uS_u16	1	•
Rte_Call_Sa_MtrDrvDiag_FetFlt1Data_OP_GET	1	Rte_Call_Sa_MtrDrvDiag_FetFlt1Data_OP_GET	1	Ĭ
Rte_Call_Sa_MtrDrvDiag_FetFlt2Clk_OP_SET GateDrvWaitTime	1	Rte_Call_Sa_MtrDrvDiag_FetFlt2Clk_OP_SET GateDrvWaitTime	1	
Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32	1	Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32	1	J
Rte Call Sa MtrDrvDiag SystemTime DtrmnElapsedTime uS u16	1	Rte_Call_Sa_MtrDrvDiag_SystemTime_DtrmnElapsedTime_uS_u16	1	
Rte_Call_Sa_MtrDrvDiag_FetFlt2Clk_OP_SET	1	Rte_Call_Sa_MtrDrvDiag_FetFlt2Clk_OP_SET	1	
GateDrvWaitTime	1	GateDrvWaitTime	1	•
Rte Call Sa MtrDrvDiag SystemTime GetSystemTime uS u32	1	Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32	1	
Rte_Call_Sa_MtrDrvDiag_SystemTime_DtrmnElapsedTime_uS_u16	255	Rte_Call_Sa_MtrDrvDiag_SystemTime_DtrmnElapsedTime_uS_u16	255	
Rte_Call_Sa_MtrDrvDiag_FetFlt1Data_OP_GET	1	Rte_Call_Sa_MtrDrvDiag_FetFlt1Data_OP_GET	1	
Rte_Call_Sa_MtrDrvDiag_FetFlt2Clk_OP_SET	1	Rte_Call_Sa_MtrDrvDiag_FetFlt2Clk_OP_SET	1	•
GateDrvWaitTime	1	GateDrvWaitTime	1	-
Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32	1	Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32	1	•
Rte_Call_Sa_MtrDrvDiag_SystemTime_DtrmnElapsedTime_uS_u16	1	Rte_Call_Sa_MtrDrvDiag_SystemTime_DtrmnElapsedTime_uS_u16	1	-
Rte_Call_Sa_MtrDrvDiag_FetFlt2Clk_OP_SET	1	Rte_Call_Sa_MtrDrvDiag_FetFlt2Clk_OP_SET	1	•
GateDrvWaitTime	1	GateDrvWaitTime	1	-
Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32	1	Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32	1	•
Rte_Call_Sa_MtrDrvDiag_SystemTime_DtrmnElapsedTime_uS_u16	255	Rte_Call_Sa_MtrDrvDiag_SystemTime_DtrmnElapsedTime_uS_u16	255	•
Rte_Call_Sa_MtrDrvDiag_FetFlt1Data_OP_GET	1	Rte_Call_Sa_MtrDrvDiag_FetFlt1Data_OP_GET	1	•
Rte_Call_Sa_MtrDrvDiag_FetFlt2Clk_OP_SET	1	Rte_Call_Sa_MtrDrvDiag_FetFlt2Clk_OP_SET	1	•
GateDrvWaitTime	1	GateDrvWaitTime	1	•
Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32	1	Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32	1	-
Rte_Call_Sa_MtrDrvDiag_SystemTime_DtrmnElapsedTime_uS_u16	1	Rte_Call_Sa_MtrDrvDiag_SystemTime_DtrmnElapsedTime_uS_u16	1	•
Rte_Call_Sa_MtrDrvDiag_FetFlt2Clk_OP_SET	1	Rte_Call_Sa_MtrDrvDiag_FetFlt2Clk_OP_SET	1	~
GateDrvWaitTime	1	GateDrvWaitTime	1	•
Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32	1	Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32	1	•
Rte_Call_Sa_MtrDrvDiag_SystemTime_DtrmnElapsedTime_uS_u16	255	Rte_Call_Sa_MtrDrvDiag_SystemTime_DtrmnElapsedTime_uS_u16	255	•
Rte_Call_Sa_MtrDrvDiag_FetFlt1Data_OP_GET	1	Rte_Call_Sa_MtrDrvDiag_FetFlt1Data_OP_GET	1	•
Rte_Call_Sa_MtrDrvDiag_FetFlt2Clk_OP_SET	1	Rte_Call_Sa_MtrDrvDiag_FetFlt2Clk_OP_SET	1	
GateDrvWaitTime Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32	1	GateDrvWaitTime Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32	1	
Rte_Call_Sa_MtrDrvDiag_SystemTime_DtrmnElapsedTime_uS_u16	1	Rte_Call_Sa_MtrDrvDiag_SystemTime_DtrmnElapsedTime_uS_u16	1	
Rte_Call_Sa_MtrDrvDiag_FetFlt2Clk_OP_SET	1	Rte_Call_Sa_MtrDrvDiag_FetFlt2Clk_OP_SET	1	
GateDrvWaitTime	1	GateDrvWaitTime	1	
Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32	1	Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32	1	•
Rte_Call_Sa_MtrDrvDiag_SystemTime_DtrmnElapsedTime_uS_u16	255	Rte Call Sa MtrDrvDiag SystemTime DtrmnElapsedTime uS u16	255	
Rte_Call_Sa_MtrDrvDiag_FetFlt1Data_OP_GET	1	Rte Call Sa MtrDrvDiag FetFlt1Data OP GET	1	•
Rte_Call_Sa_MtrDrvDiag_FetFlt2Clk_OP_SET	1	Rte_Call_Sa_MtrDrvDiag_FetFlt2Clk_OP_SET	1	-
GateDrvWaitTime	1	GateDrvWaitTime	1	-
Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32	1	Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32	1	-
Rte_Call_Sa_MtrDrvDiag_SystemTime_DtrmnElapsedTime_uS_u16	1	Rte_Call_Sa_MtrDrvDiag_SystemTime_DtrmnElapsedTime_uS_u16	1	•
Rte_Call_Sa_MtrDrvDiag_FetFlt2Clk_OP_SET	1	Rte_Call_Sa_MtrDrvDiag_FetFlt2Clk_OP_SET	1	-
GateDrvWaitTime	1	GateDrvWaitTime	1	-
Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32	1	Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32	1	-
Rte_Call_Sa_MtrDrvDiag_SystemTime_DtrmnElapsedTime_uS_u16	255	Rte_Call_Sa_MtrDrvDiag_SystemTime_DtrmnElapsedTime_uS_u16	255	-
Rte_Call_Sa_MtrDrvDiag_FetFlt1Data_OP_GET	1	Rte_Call_Sa_MtrDrvDiag_FetFlt1Data_OP_GET	1	-
Rte_Call_Sa_MtrDrvDiag_FetFlt2Clk_OP_SET	1	Rte_Call_Sa_MtrDrvDiag_FetFlt2Clk_OP_SET	1	•
GateDrvWaitTime	1	GateDrvWaitTime	1	•
Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32	1	Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32	1	-
Rte_Call_Sa_MtrDrvDiag_SystemTime_DtrmnElapsedTime_uS_u16	1	Rte_Call_Sa_MtrDrvDiag_SystemTime_DtrmnElapsedTime_uS_u16	1	~
Rte_Call_Sa_MtrDrvDiag_FetFlt2Clk_OP_SET	1	Rte_Call_Sa_MtrDrvDiag_FetFlt2Clk_OP_SET	1	•
GateDrvWaitTime	1	GateDrvWaitTime	1	_
Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32	1	Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32	1	•
Rte_Call_Sa_MtrDrvDiag_SystemTime_DtrmnElapsedTime_uS_u16	255	Rte_Call_Sa_MtrDrvDiag_SystemTime_DtrmnElapsedTime_uS_u16	255	•
Rte_Call_Sa_MtrDrvDiag_FetFlt1Data_OP_GET	1	Rte_Call_Sa_MtrDrvDiag_FetFlt1Data_OP_GET	1	•
Rte_Call_Sa_MtrDrvDiag_FetFlt2Clk_OP_SET	1	Rte_Call_Sa_MtrDrvDiag_FetFlt2Clk_OP_SET	1	•
GateDrvWaitTime	1	GateDrvWaitTime Pto Call So MtrDrvDing SystemTime CotSystemTime us us use	1	•
Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32 Pte_Call_Sa_MtrDrvDiag_SystemTime_DtrmpFlansedTime_uS_u16		Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32	1	•
Rte_Call_Sa_MtrDrvDiag_SystemTime_DtrmnElapsedTime_uS_u16	1	Rte_Call_Sa_MtrDrvDiag_SystemTime_DtrmnElapsedTime_uS_u16	1	•
Rte_Call_Sa_MtrDrvDiag_FetFlt2Clk_OP_SET	1	Rte_Call_Sa_MtrDrvDiag_FetFlt2Clk_OP_SET	1	•
GateDrvWaitTime Pto Call Sa MtrDrvDiag SystemTime GetSystemTime us us us 2	1	GateDrvWaitTime Pto Call Sa MtrDovDiag SystemTime CotSystemTime u.S. u.32	1	•
Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32	255	Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32 Rte_Call_Sa_MtrDrvDiag_SystemTime_DtrmnElapsedTime_uS_u16	255	
Rte_Call_Sa_MtrDrvDiag_SystemTime_DtrmnElapsedTime_uS_u16 Rte_Call_Sa_MtrDrvDiag_FetFlt1Data_OP_GET	1	Rte_Call_Sa_MtrDrvDiag_SystemTime_DtrmnElapsedTime_us_u16 Rte_Call_Sa_MtrDrvDiag_FetFlt1Data_OP_GET	1	
Rte_Call_Sa_MtrDrvDiag_FetFlt2Clk_OP_SET	1	Rte_Call_Sa_MtrDrvDiag_FetFit1Data_OP_GE1 Rte_Call_Sa_MtrDrvDiag_FetFlt2Clk_OP_SET	1	
	1	GateDrvWaitTime	1	
GateDryWaitTime				. •
GateDrvWaitTime Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32	1	Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32	1	•

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

Test Step 2.3 (Repeat Count = 1)			✓.
Name	Input Value		
Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32(CurrentTime)	tgt_Rte_Call_Sa_MtrDrvDiag_System	Time_GetSystemTime_uS_u32_Curr	
StatusPtr_Cnt_T_b16	tgt_StatusPtr_Cnt_T_b16		
tgt_Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32_Curr	2000		
tgt_StatusPtr_Cnt_T_b16	5000		
Name	Actual Value	Expected Value	Result
ReadMtrDrvFltData()	1	1	~
SVDiag_FETFaultPhase_Cnt_M_enum	1	1	~
SVDiag_FETFaultType_Cnt_M_enum	1	1	~
tgt StatusPtr Cnt T b16	1	1	✓

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

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

Test Step 2.4 (Repeat Count = 1)			✓.
Name	Input Value		
Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32(CurrentTime)	tgt_Rte_Call_Sa_MtrDrvDiag_Syster	nTime_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		Expected Function		Result
Rte_Call_Sa_MtrDrvDiag_loHwAbPortConfig_SetFetFlt2ToOutput	1	Rte_Call_Sa_MtrDrvDiag_loHwAbPortConfig_SetFetFlt2ToOutput	1	•
Rte_Call_Sa_MtrDrvDiag_FetFlt2Clk_OP_SET	1	Rte_Call_Sa_MtrDrvDiag_FetFlt2Clk_OP_SET	1	•
GateDrvWaitTime	1	GateDrvWaitTime	1	•
Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32	1	Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32	1	•
Rte_Call_Sa_MtrDrvDiag_SystemTime_DtrmnElapsedTime_uS_u16	1	Rte_Call_Sa_MtrDrvDiag_SystemTime_DtrmnElapsedTime_uS_u16	1	•
Rte_Call_Sa_MtrDrvDiag_FetFlt1Data_OP_GET	1	Rte_Call_Sa_MtrDrvDiag_FetFlt1Data_OP_GET	1	Ĭ
Rte_Call_Sa_MtrDrvDiag_FetFlt2Clk_OP_SET GateDrvWaitTime	1	Rte_Call_Sa_MtrDrvDiag_FetFlt2Clk_OP_SET GateDrvWaitTime	1	
Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32	1	Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32	1	J
Rte Call Sa MtrDrvDiag SystemTime DtrmnElapsedTime uS u16	1	Rte_Call_Sa_MtrDrvDiag_SystemTime_DtrmnElapsedTime_uS_u16	1	
Rte_Call_Sa_MtrDrvDiag_FetFlt2Clk_OP_SET	1	Rte_Call_Sa_MtrDrvDiag_FetFlt2Clk_OP_SET	1	
GateDrvWaitTime	1	GateDrvWaitTime	1	•
Rte Call Sa MtrDrvDiag SystemTime GetSystemTime uS u32	1	Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32	1	
Rte_Call_Sa_MtrDrvDiag_SystemTime_DtrmnElapsedTime_uS_u16	255	Rte_Call_Sa_MtrDrvDiag_SystemTime_DtrmnElapsedTime_uS_u16	255	
Rte_Call_Sa_MtrDrvDiag_FetFlt1Data_OP_GET	1	Rte_Call_Sa_MtrDrvDiag_FetFlt1Data_OP_GET	1	
Rte_Call_Sa_MtrDrvDiag_FetFlt2Clk_OP_SET	1	Rte_Call_Sa_MtrDrvDiag_FetFlt2Clk_OP_SET	1	•
GateDrvWaitTime	1	GateDrvWaitTime	1	-
Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32	1	Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32	1	•
Rte_Call_Sa_MtrDrvDiag_SystemTime_DtrmnElapsedTime_uS_u16	1	Rte_Call_Sa_MtrDrvDiag_SystemTime_DtrmnElapsedTime_uS_u16	1	-
Rte_Call_Sa_MtrDrvDiag_FetFlt2Clk_OP_SET	1	Rte_Call_Sa_MtrDrvDiag_FetFlt2Clk_OP_SET	1	•
GateDrvWaitTime	1	GateDrvWaitTime	1	-
Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32	1	Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32	1	•
Rte_Call_Sa_MtrDrvDiag_SystemTime_DtrmnElapsedTime_uS_u16	255	Rte_Call_Sa_MtrDrvDiag_SystemTime_DtrmnElapsedTime_uS_u16	255	•
Rte_Call_Sa_MtrDrvDiag_FetFlt1Data_OP_GET	1	Rte_Call_Sa_MtrDrvDiag_FetFlt1Data_OP_GET	1	•
Rte_Call_Sa_MtrDrvDiag_FetFlt2Clk_OP_SET	1	Rte_Call_Sa_MtrDrvDiag_FetFlt2Clk_OP_SET	1	•
GateDrvWaitTime	1	GateDrvWaitTime	1	•
Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32	1	Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32	1	-
Rte_Call_Sa_MtrDrvDiag_SystemTime_DtrmnElapsedTime_uS_u16	1	Rte_Call_Sa_MtrDrvDiag_SystemTime_DtrmnElapsedTime_uS_u16	1	•
Rte_Call_Sa_MtrDrvDiag_FetFlt2Clk_OP_SET	1	Rte_Call_Sa_MtrDrvDiag_FetFlt2Clk_OP_SET	1	~
GateDrvWaitTime	1	GateDrvWaitTime	1	•
Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32	1	Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32	1	•
Rte_Call_Sa_MtrDrvDiag_SystemTime_DtrmnElapsedTime_uS_u16	255	Rte_Call_Sa_MtrDrvDiag_SystemTime_DtrmnElapsedTime_uS_u16	255	•
Rte_Call_Sa_MtrDrvDiag_FetFlt1Data_OP_GET	1	Rte_Call_Sa_MtrDrvDiag_FetFlt1Data_OP_GET	1	•
Rte_Call_Sa_MtrDrvDiag_FetFlt2Clk_OP_SET	1	Rte_Call_Sa_MtrDrvDiag_FetFlt2Clk_OP_SET	1	
GateDrvWaitTime Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32	1	GateDrvWaitTime Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32	1	
Rte_Call_Sa_MtrDrvDiag_SystemTime_DtrmnElapsedTime_uS_u16	1	Rte_Call_Sa_MtrDrvDiag_SystemTime_DtrmnElapsedTime_uS_u16	1	
Rte_Call_Sa_MtrDrvDiag_FetFlt2Clk_OP_SET	1	Rte_Call_Sa_MtrDrvDiag_FetFlt2Clk_OP_SET	1	
GateDrvWaitTime	1	GateDrvWaitTime	1	
Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32	1	Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32	1	•
Rte_Call_Sa_MtrDrvDiag_SystemTime_DtrmnElapsedTime_uS_u16	255	Rte Call Sa MtrDrvDiag SystemTime DtrmnElapsedTime uS u16	255	
Rte_Call_Sa_MtrDrvDiag_FetFlt1Data_OP_GET	1	Rte Call Sa MtrDrvDiag FetFlt1Data OP GET	1	•
Rte_Call_Sa_MtrDrvDiag_FetFlt2Clk_OP_SET	1	Rte_Call_Sa_MtrDrvDiag_FetFlt2Clk_OP_SET	1	-
GateDrvWaitTime	1	GateDrvWaitTime	1	-
Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32	1	Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32	1	-
Rte_Call_Sa_MtrDrvDiag_SystemTime_DtrmnElapsedTime_uS_u16	1	Rte_Call_Sa_MtrDrvDiag_SystemTime_DtrmnElapsedTime_uS_u16	1	•
Rte_Call_Sa_MtrDrvDiag_FetFlt2Clk_OP_SET	1	Rte_Call_Sa_MtrDrvDiag_FetFlt2Clk_OP_SET	1	-
GateDrvWaitTime	1	GateDrvWaitTime	1	-
Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32	1	Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32	1	-
Rte_Call_Sa_MtrDrvDiag_SystemTime_DtrmnElapsedTime_uS_u16	255	Rte_Call_Sa_MtrDrvDiag_SystemTime_DtrmnElapsedTime_uS_u16	255	-
Rte_Call_Sa_MtrDrvDiag_FetFlt1Data_OP_GET	1	Rte_Call_Sa_MtrDrvDiag_FetFlt1Data_OP_GET	1	-
Rte_Call_Sa_MtrDrvDiag_FetFlt2Clk_OP_SET	1	Rte_Call_Sa_MtrDrvDiag_FetFlt2Clk_OP_SET	1	•
GateDrvWaitTime	1	GateDrvWaitTime	1	•
Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32	1	Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32	1	-
Rte_Call_Sa_MtrDrvDiag_SystemTime_DtrmnElapsedTime_uS_u16	1	Rte_Call_Sa_MtrDrvDiag_SystemTime_DtrmnElapsedTime_uS_u16	1	~
Rte_Call_Sa_MtrDrvDiag_FetFlt2Clk_OP_SET	1	Rte_Call_Sa_MtrDrvDiag_FetFlt2Clk_OP_SET	1	•
GateDrvWaitTime	1	GateDrvWaitTime	1	_
Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32	1	Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32	1	•
Rte_Call_Sa_MtrDrvDiag_SystemTime_DtrmnElapsedTime_uS_u16	255	Rte_Call_Sa_MtrDrvDiag_SystemTime_DtrmnElapsedTime_uS_u16	255	•
Rte_Call_Sa_MtrDrvDiag_FetFlt1Data_OP_GET	1	Rte_Call_Sa_MtrDrvDiag_FetFlt1Data_OP_GET	1	•
Rte_Call_Sa_MtrDrvDiag_FetFlt2Clk_OP_SET	1	Rte_Call_Sa_MtrDrvDiag_FetFlt2Clk_OP_SET	1	•
GateDrvWaitTime	1	GateDrvWaitTime Pto Call So MtrDrvDing SystemTime CotSystemTime us us use	1	•
Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32 Pte_Call_Sa_MtrDrvDiag_SystemTime_DtrmpFlansedTime_uS_u16		Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32	1	•
Rte_Call_Sa_MtrDrvDiag_SystemTime_DtrmnElapsedTime_uS_u16	1	Rte_Call_Sa_MtrDrvDiag_SystemTime_DtrmnElapsedTime_uS_u16	1	•
Rte_Call_Sa_MtrDrvDiag_FetFlt2Clk_OP_SET	1	Rte_Call_Sa_MtrDrvDiag_FetFlt2Clk_OP_SET	1	•
GateDrvWaitTime Pto Call Sa MtrDrvDiag SystemTime GetSystemTime us us us 2	1	GateDrvWaitTime Pto Call Sa MtrDovDiag SystemTime CotSystemTime u.S. u.32	1	•
Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32	255	Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32 Rte_Call_Sa_MtrDrvDiag_SystemTime_DtrmnElapsedTime_uS_u16	255	
Rte_Call_Sa_MtrDrvDiag_SystemTime_DtrmnElapsedTime_uS_u16 Rte_Call_Sa_MtrDrvDiag_FetFlt1Data_OP_GET	1	Rte_Call_Sa_MtrDrvDiag_SystemTime_DtrmnElapsedTime_us_u16 Rte_Call_Sa_MtrDrvDiag_FetFlt1Data_OP_GET	1	
Rte_Call_Sa_MtrDrvDiag_FetFlt2Clk_OP_SET	1	Rte_Call_Sa_MtrDrvDiag_FetFit1Data_OP_GE1 Rte_Call_Sa_MtrDrvDiag_FetFlt2Clk_OP_SET	1	
	1	GateDrvWaitTime	1	
GateDryWaitTime				. •
GateDrvWaitTime Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32	1	Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32	1	•





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_System	Time_GetSystemTime_uS_u32_Curr	
StatusPtr_Cnt_T_b16	tgt_StatusPtr_Cnt_T_b16		
tgt_Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32_Curr	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	~
tqt StatusPtr Cnt T b16	1023	1023	✓

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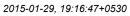


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Actual Function		Expected Function		Result
Rte_Call_Sa_MtrDrvDiag_loHwAbPortConfig_SetFetFlt2ToOutput	1	Rte_Call_Sa_MtrDrvDiag_IoHwAbPortConfig_SetFetFlt2ToOutput	1	_
Rte_Call_Sa_MtrDrvDiag_FetFlt2Clk_OP_SET GateDrvWaitTime	1	Rte_Call_Sa_MtrDrvDiag_FetFlt2Clk_OP_SET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





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

Test Step 2.6 (Repeat Count = 1)			✓
Name	Input Value		
Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32(CurrentTime)	tgt_Rte_Call_Sa_MtrDrvDiag_Syste	mTime_GetSystemTime_uS_u32_Curr	
StatusPtr_Cnt_T_b16	tgt_StatusPtr_Cnt_T_b16		
tgt_Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32_Curr	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		Expected Function		Result
Rte_Call_Sa_MtrDrvDiag_loHwAbPortConfig_SetFetFlt2ToOutput	1	Rte_Call_Sa_MtrDrvDiag_loHwAbPortConfig_SetFetFlt2ToOutput	1	~
Rte_Call_Sa_MtrDrvDiag_FetFlt2Clk_OP_SET	1	Rte_Call_Sa_MtrDrvDiag_FetFlt2Clk_OP_SET	1	•
GateDrvWaitTime	1	GateDrvWaitTime	1	•
Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32	1	Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32	1	•
Rte_Call_Sa_MtrDrvDiag_SystemTime_DtrmnElapsedTime_uS_u16	2	Rte_Call_Sa_MtrDrvDiag_SystemTime_DtrmnElapsedTime_uS_u16	2	•
Rte_Call_Sa_MtrDrvDiag_FetFlt1Data_OP_GET	1	Rte_Call_Sa_MtrDrvDiag_FetFlt1Data_OP_GET	1	
Rte_Call_Sa_MtrDrvDiag_FetFlt2Clk_OP_SET	1	Rte_Call_Sa_MtrDrvDiag_FetFlt2Clk_OP_SET	1	
GateDrvWaitTime	1	GateDrvWaitTime Pto Call So MtrDrvDing SystemTime CotSystemTime us us use	1	
Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32 Rte_Call_Sa_MtrDrvDiag_SystemTime_DtrmnElapsedTime_uS_u16	1	Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32	1	
	1	Rte_Call_Sa_MtrDrvDiag_SystemTime_DtrmnElapsedTime_uS_u16	1	
Rte_Call_Sa_MtrDrvDiag_FetFlt2Clk_OP_SET	1	Rte_Call_Sa_MtrDrvDiag_FetFlt2Clk_OP_SET	1	
GateDrvWaitTime Pto Call So MtrDrvDing SystemTime CotSystemTime us us2	1	GateDrvWaitTime	1	Ĭ
Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32		Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32		
Rte_Call_Sa_MtrDrvDiag_SystemTime_DtrmnElapsedTime_uS_u16	255	Rte_Call_Sa_MtrDrvDiag_SystemTime_DtrmnElapsedTime_uS_u16	255	Ĭ
Rte_Call_Sa_MtrDrvDiag_FetFlt1Data_OP_GET	1	Rte_Call_Sa_MtrDrvDiag_FetFlt1Data_OP_GET Rte_Call_Sa_MtrDrvDiag_FetFlt2Clk_OP_SET	1	
Rte_Call_Sa_MtrDrvDiag_FetFlt2Clk_OP_SET GateDrvWaitTime	1	GateDrvWaitTime	1	
	1		1	
Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32	1	Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32	1	Ĭ
Rte_Call_Sa_MtrDrvDiag_SystemTime_DtrmnElapsedTime_uS_u16		Rte_Call_Sa_MtrDrvDiag_SystemTime_DtrmnElapsedTime_uS_u16	1	
Rte_Call_Sa_MtrDrvDiag_FetFlt2Clk_OP_SET	1	Rte_Call_Sa_MtrDrvDiag_FetFlt2Clk_OP_SET		•
GateDrvWaitTime	1	GateDrvWaitTime Pto Call So MtrDrvDing SystemTime CotSystemTime us us use	1	•
Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32		Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32		•
Rte_Call_Sa_MtrDrvDiag_SystemTime_DtrmnElapsedTime_uS_u16	255	Rte_Call_Sa_MtrDrvDiag_SystemTime_DtrmnElapsedTime_uS_u16	255	•
Rte_Call_Sa_MtrDrvDiag_FetFlt1Data_OP_GET	1	Rte_Call_Sa_MtrDrvDiag_FetFlt1Data_OP_GET	1	
Rte_Call_Sa_MtrDrvDiag_FetFlt2Clk_OP_SET	1	Rte_Call_Sa_MtrDrvDiag_FetFlt2Clk_OP_SET	1	
GateDrvWaitTime		GateDrvWaitTime	1	•
Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32	1	Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32		•
Rte_Call_Sa_MtrDrvDiag_SystemTime_DtrmnElapsedTime_uS_u16	1	Rte_Call_Sa_MtrDrvDiag_SystemTime_DtrmnElapsedTime_uS_u16	1	•
Rte_Call_Sa_MtrDrvDiag_FetFlt2Clk_OP_SET	1	Rte_Call_Sa_MtrDrvDiag_FetFlt2Clk_OP_SET	1	•
GateDrvWaitTime	1	GateDrvWaitTime	1	•
Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32	1	Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32	1	•
Rte_Call_Sa_MtrDrvDiag_SystemTime_DtrmnElapsedTime_uS_u16	255	Rte_Call_Sa_MtrDrvDiag_SystemTime_DtrmnElapsedTime_uS_u16	255	•
Rte_Call_Sa_MtrDrvDiag_FetFlt1Data_OP_GET	1	Rte_Call_Sa_MtrDrvDiag_FetFlt1Data_OP_GET	1	•
Rte_Call_Sa_MtrDrvDiag_FetFlt2Clk_OP_SET	1	Rte_Call_Sa_MtrDrvDiag_FetFlt2Clk_OP_SET	1	•
GateDrvWaitTime	1	GateDrvWaitTime	1	•
Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32		Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32		
Rte_Call_Sa_MtrDrvDiag_SystemTime_DtrmnElapsedTime_uS_u16	1	Rte_Call_Sa_MtrDrvDiag_SystemTime_DtrmnElapsedTime_uS_u16	1	•
Rte_Call_Sa_MtrDrvDiag_FetFlt2Clk_OP_SET	1	Rte_Call_Sa_MtrDrvDiag_FetFlt2Clk_OP_SET	1	•
GateDrvWaitTime	1	GateDrvWaitTime	1	•
Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32	1	Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32	1	•
Rte_Call_Sa_MtrDrvDiag_SystemTime_DtrmnElapsedTime_uS_u16	255	Rte_Call_Sa_MtrDrvDiag_SystemTime_DtrmnElapsedTime_uS_u16	255	•
Rte_Call_Sa_MtrDrvDiag_FetFlt1Data_OP_GET	1	Rte_Call_Sa_MtrDrvDiag_FetFlt1Data_OP_GET	1	•
Rte_Call_Sa_MtrDrvDiag_FetFlt2Clk_OP_SET	1	Rte_Call_Sa_MtrDrvDiag_FetFlt2Clk_OP_SET	1	•
GateDrvWaitTime	1	GateDrvWaitTime	1	_
Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32	1	Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32	1	
Rte_Call_Sa_MtrDrvDiag_SystemTime_DtrmnElapsedTime_uS_u16	1	Rte_Call_Sa_MtrDrvDiag_SystemTime_DtrmnElapsedTime_uS_u16	1	•
Rte_Call_Sa_MtrDrvDiag_FetFlt2Clk_OP_SET	1	Rte_Call_Sa_MtrDrvDiag_FetFlt2Clk_OP_SET	1	_
GateDrvWaitTime	1	GateDrvWaitTime	1	•
Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32	1	Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32	1	_
Rte_Call_Sa_MtrDrvDiag_SystemTime_DtrmnElapsedTime_uS_u16	255	Rte_Call_Sa_MtrDrvDiag_SystemTime_DtrmnElapsedTime_uS_u16	255	•
Rte_Call_Sa_MtrDrvDiag_FetFlt1Data_OP_GET	1	Rte_Call_Sa_MtrDrvDiag_FetFlt1Data_OP_GET	1	
Rte_Call_Sa_MtrDrvDiag_FetFlt2Clk_OP_SET	1	Rte_Call_Sa_MtrDrvDiag_FetFlt2Clk_OP_SET	1	•
GateDrvWaitTime	1	GateDrvWaitTime	1	•
Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32	1	Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32	1	•
Rte_Call_Sa_MtrDrvDiag_SystemTime_DtrmnElapsedTime_uS_u16	1	Rte_Call_Sa_MtrDrvDiag_SystemTime_DtrmnElapsedTime_uS_u16	1	•
Rte_Call_Sa_MtrDrvDiag_FetFlt2Clk_OP_SET	1	Rte_Call_Sa_MtrDrvDiag_FetFlt2Clk_OP_SET	1	•
GateDrvWaitTime	1	GateDrvWaitTime	1	
Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32	1	Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32	1	•
Rte_Call_Sa_MtrDrvDiag_SystemTime_DtrmnElapsedTime_uS_u16	255	Rte_Call_Sa_MtrDrvDiag_SystemTime_DtrmnElapsedTime_uS_u16	255	•
Rte_Call_Sa_MtrDrvDiag_FetFlt1Data_OP_GET	1	Rte_Call_Sa_MtrDrvDiag_FetFlt1Data_OP_GET	1	•
Rte_Call_Sa_MtrDrvDiag_FetFlt2Clk_OP_SET	1	Rte_Call_Sa_MtrDrvDiag_FetFlt2Clk_OP_SET	1	•
GateDrvWaitTime	1	GateDrvWaitTime	1	•
Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32	1	Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32	1	•
Rte_Call_Sa_MtrDrvDiag_SystemTime_DtrmnElapsedTime_uS_u16	1	Rte_Call_Sa_MtrDrvDiag_SystemTime_DtrmnElapsedTime_uS_u16	1	•
Rte_Call_Sa_MtrDrvDiag_FetFlt2Clk_OP_SET	1	Rte_Call_Sa_MtrDrvDiag_FetFlt2Clk_OP_SET	1	•
GateDrvWaitTime	1	GateDrvWaitTime	1	•
Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32	1	Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32	1	-
	255	Rte_Call_Sa_MtrDrvDiag_SystemTime_DtrmnElapsedTime_uS_u16	255	•
Rte_Call_Sa_MtrDrvDiag_SystemTime_DtrmnElapsedTime_uS_u16	1.4	Rte_Call_Sa_MtrDrvDiag_FetFlt1Data_OP_GET	1	→
Rte_Call_Sa_MtrDrvDiag_FetFlt1Data_OP_GET	1			
Rte_Call_Sa_MtrDrvDiag_FetFlt1Data_OP_GET Rte_Call_Sa_MtrDrvDiag_FetFlt2Clk_OP_SET	1	Rte_Call_Sa_MtrDrvDiag_FetFlt2Clk_OP_SET	1	•
Rte_Call_Sa_MtrDrvDiag_FetFlt1Data_OP_GET				~





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

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

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

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ReadMtrDrvFltData

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

Test Case 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	✓

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Actual Function		Expected Function		Result
Rte_Call_Sa_MtrDrvDiag_loHwAbPortConfig_SetFetFlt2ToOutput	1	Rte_Call_Sa_MtrDrvDiag_loHwAbPortConfig_SetFetFlt2ToOutput	1	•
Rte_Call_Sa_MtrDrvDiag_FetFlt2Clk_OP_SET	1	Rte_Call_Sa_MtrDrvDiag_FetFlt2Clk_OP_SET	1	•
GateDrvWaitTime	1	GateDrvWaitTime	1	•
Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32	1	Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32	1	•
Rte_Call_Sa_MtrDrvDiag_SystemTime_DtrmnElapsedTime_uS_u16	1	Rte_Call_Sa_MtrDrvDiag_SystemTime_DtrmnElapsedTime_uS_u16	1	•
Rte_Call_Sa_MtrDrvDiag_FetFlt1Data_OP_GET	1	Rte_Call_Sa_MtrDrvDiag_FetFlt1Data_OP_GET	1	Ĭ
Rte_Call_Sa_MtrDrvDiag_FetFlt2Clk_OP_SET GateDrvWaitTime	1	Rte_Call_Sa_MtrDrvDiag_FetFlt2Clk_OP_SET GateDrvWaitTime	1	
Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32	1	Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32	1	J
Rte Call Sa MtrDrvDiag SystemTime DtrmnElapsedTime uS u16	1	Rte_Call_Sa_MtrDrvDiag_SystemTime_DtrmnElapsedTime_uS_u16	1	
Rte_Call_Sa_MtrDrvDiag_FetFlt2Clk_OP_SET	1	Rte_Call_Sa_MtrDrvDiag_FetFlt2Clk_OP_SET	1	
GateDrvWaitTime	1	GateDrvWaitTime	1	•
Rte Call Sa MtrDrvDiag SystemTime GetSystemTime uS u32	1	Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32	1	
Rte_Call_Sa_MtrDrvDiag_SystemTime_DtrmnElapsedTime_uS_u16	255	Rte_Call_Sa_MtrDrvDiag_SystemTime_DtrmnElapsedTime_uS_u16	255	
Rte_Call_Sa_MtrDrvDiag_FetFlt1Data_OP_GET	1	Rte_Call_Sa_MtrDrvDiag_FetFlt1Data_OP_GET	1	
Rte_Call_Sa_MtrDrvDiag_FetFlt2Clk_OP_SET	1	Rte_Call_Sa_MtrDrvDiag_FetFlt2Clk_OP_SET	1	•
GateDrvWaitTime	1	GateDrvWaitTime	1	-
Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32	1	Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32	1	•
Rte_Call_Sa_MtrDrvDiag_SystemTime_DtrmnElapsedTime_uS_u16	1	Rte_Call_Sa_MtrDrvDiag_SystemTime_DtrmnElapsedTime_uS_u16	1	-
Rte_Call_Sa_MtrDrvDiag_FetFlt2Clk_OP_SET	1	Rte_Call_Sa_MtrDrvDiag_FetFlt2Clk_OP_SET	1	•
GateDrvWaitTime	1	GateDrvWaitTime	1	-
Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32	1	Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32	1	•
Rte_Call_Sa_MtrDrvDiag_SystemTime_DtrmnElapsedTime_uS_u16	255	Rte_Call_Sa_MtrDrvDiag_SystemTime_DtrmnElapsedTime_uS_u16	255	•
Rte_Call_Sa_MtrDrvDiag_FetFlt1Data_OP_GET	1	Rte_Call_Sa_MtrDrvDiag_FetFlt1Data_OP_GET	1	•
Rte_Call_Sa_MtrDrvDiag_FetFlt2Clk_OP_SET	1	Rte_Call_Sa_MtrDrvDiag_FetFlt2Clk_OP_SET	1	•
GateDrvWaitTime	1	GateDrvWaitTime	1	•
Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32	1	Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32	1	-
Rte_Call_Sa_MtrDrvDiag_SystemTime_DtrmnElapsedTime_uS_u16	1	Rte_Call_Sa_MtrDrvDiag_SystemTime_DtrmnElapsedTime_uS_u16	1	•
Rte_Call_Sa_MtrDrvDiag_FetFlt2Clk_OP_SET	1	Rte_Call_Sa_MtrDrvDiag_FetFlt2Clk_OP_SET	1	~
GateDrvWaitTime	1	GateDrvWaitTime	1	•
Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32	1	Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32	1	•
Rte_Call_Sa_MtrDrvDiag_SystemTime_DtrmnElapsedTime_uS_u16	255	Rte_Call_Sa_MtrDrvDiag_SystemTime_DtrmnElapsedTime_uS_u16	255	•
Rte_Call_Sa_MtrDrvDiag_FetFlt1Data_OP_GET	1	Rte_Call_Sa_MtrDrvDiag_FetFlt1Data_OP_GET	1	•
Rte_Call_Sa_MtrDrvDiag_FetFlt2Clk_OP_SET	1	Rte_Call_Sa_MtrDrvDiag_FetFlt2Clk_OP_SET	1	
GateDrvWaitTime Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32	1	GateDrvWaitTime Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32	1	
Rte_Call_Sa_MtrDrvDiag_SystemTime_DtrmnElapsedTime_uS_u16	1	Rte_Call_Sa_MtrDrvDiag_SystemTime_DtrmnElapsedTime_uS_u16	1	
Rte_Call_Sa_MtrDrvDiag_FetFlt2Clk_OP_SET	1	Rte_Call_Sa_MtrDrvDiag_FetFlt2Clk_OP_SET	1	
GateDrvWaitTime	1	GateDrvWaitTime	1	
Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32	1	Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32	1	•
Rte_Call_Sa_MtrDrvDiag_SystemTime_DtrmnElapsedTime_uS_u16	255	Rte Call Sa MtrDrvDiag SystemTime DtrmnElapsedTime uS u16	255	
Rte_Call_Sa_MtrDrvDiag_FetFlt1Data_OP_GET	1	Rte Call Sa MtrDrvDiag FetFlt1Data OP GET	1	•
Rte_Call_Sa_MtrDrvDiag_FetFlt2Clk_OP_SET	1	Rte_Call_Sa_MtrDrvDiag_FetFlt2Clk_OP_SET	1	-
GateDrvWaitTime	1	GateDrvWaitTime	1	-
Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32	1	Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32	1	-
Rte_Call_Sa_MtrDrvDiag_SystemTime_DtrmnElapsedTime_uS_u16	1	Rte_Call_Sa_MtrDrvDiag_SystemTime_DtrmnElapsedTime_uS_u16	1	•
Rte_Call_Sa_MtrDrvDiag_FetFlt2Clk_OP_SET	1	Rte_Call_Sa_MtrDrvDiag_FetFlt2Clk_OP_SET	1	-
GateDrvWaitTime	1	GateDrvWaitTime	1	-
Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32	1	Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32	1	-
Rte_Call_Sa_MtrDrvDiag_SystemTime_DtrmnElapsedTime_uS_u16	255	Rte_Call_Sa_MtrDrvDiag_SystemTime_DtrmnElapsedTime_uS_u16	255	-
Rte_Call_Sa_MtrDrvDiag_FetFlt1Data_OP_GET	1	Rte_Call_Sa_MtrDrvDiag_FetFlt1Data_OP_GET	1	-
Rte_Call_Sa_MtrDrvDiag_FetFlt2Clk_OP_SET	1	Rte_Call_Sa_MtrDrvDiag_FetFlt2Clk_OP_SET	1	•
GateDrvWaitTime	1	GateDrvWaitTime	1	•
Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32	1	Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32	1	-
Rte_Call_Sa_MtrDrvDiag_SystemTime_DtrmnElapsedTime_uS_u16	1	Rte_Call_Sa_MtrDrvDiag_SystemTime_DtrmnElapsedTime_uS_u16	1	~
Rte_Call_Sa_MtrDrvDiag_FetFlt2Clk_OP_SET	1	Rte_Call_Sa_MtrDrvDiag_FetFlt2Clk_OP_SET	1	•
GateDrvWaitTime	1	GateDrvWaitTime	1	_
Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32	1	Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32	1	•
Rte_Call_Sa_MtrDrvDiag_SystemTime_DtrmnElapsedTime_uS_u16	255	Rte_Call_Sa_MtrDrvDiag_SystemTime_DtrmnElapsedTime_uS_u16	255	•
Rte_Call_Sa_MtrDrvDiag_FetFlt1Data_OP_GET	1	Rte_Call_Sa_MtrDrvDiag_FetFlt1Data_OP_GET	1	•
Rte_Call_Sa_MtrDrvDiag_FetFlt2Clk_OP_SET	1	Rte_Call_Sa_MtrDrvDiag_FetFlt2Clk_OP_SET	1	•
GateDrvWaitTime	1	GateDrvWaitTime Pto Call So MtrDrvDing SystemTime CotSystemTime us us use	1	•
Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32 Pte_Call_Sa_MtrDrvDiag_SystemTime_DtrmpFlansedTime_uS_u16		Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32	1	•
Rte_Call_Sa_MtrDrvDiag_SystemTime_DtrmnElapsedTime_uS_u16	1	Rte_Call_Sa_MtrDrvDiag_SystemTime_DtrmnElapsedTime_uS_u16	1	•
Rte_Call_Sa_MtrDrvDiag_FetFlt2Clk_OP_SET	1	Rte_Call_Sa_MtrDrvDiag_FetFlt2Clk_OP_SET	1	•
GateDrvWaitTime Pto Call Sa MtrDrvDiag SystemTime GetSystemTime us us us 2	1	GateDrvWaitTime Pto Call Sa MtrDovDiag SystemTime CotSystemTime u.S. u.32	1	•
Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32	255	Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32 Rte_Call_Sa_MtrDrvDiag_SystemTime_DtrmnElapsedTime_uS_u16	255	
Rte_Call_Sa_MtrDrvDiag_SystemTime_DtrmnElapsedTime_uS_u16 Rte_Call_Sa_MtrDrvDiag_FetFlt1Data_OP_GET	1	Rte_Call_Sa_MtrDrvDiag_SystemTime_DtrmnElapsedTime_us_u16 Rte_Call_Sa_MtrDrvDiag_FetFlt1Data_OP_GET	1	
Rte_Call_Sa_MtrDrvDiag_FetFlt2Clk_OP_SET	1	Rte_Call_Sa_MtrDrvDiag_FetFit1Data_OP_GE1 Rte_Call_Sa_MtrDrvDiag_FetFlt2Clk_OP_SET	1	
	1	GateDrvWaitTime	1	
GateDryWaitTime				. •
GateDrvWaitTime Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32	1	Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32	1	•

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

Test Step 3.2 (Repeat Count = 1)			
Name	Input Value		
Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32(CurrentTime)	tgt_Rte_Call_Sa_MtrDrvDiag_Syster	nTime_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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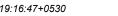
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Actual Function		Expected Function		Result
Rte_Call_Sa_MtrDrvDiag_loHwAbPortConfig_SetFetFlt2ToOutput	1	Rte_Call_Sa_MtrDrvDiag_IoHwAbPortConfig_SetFetFlt2ToOutput	1	~
Rte_Call_Sa_MtrDrvDiag_FetFlt2Clk_OP_SET	1	Rte_Call_Sa_MtrDrvDiag_FetFlt2Clk_OP_SET	1	V
GateDrvWaitTime	1	GateDrvWaitTime Pto Call So MtrDrvDing SystemTime CotSystemTime us us	1	-
Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32 Rte_Call_Sa_MtrDrvDiag_SystemTime_DtrmnElapsedTime_uS_u16	1	Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32 Rte_Call_Sa_MtrDrvDiag_SystemTime_DtrmnElapsedTime_uS_u16	1	J
Rte Call Sa MtrDrvDiag FetFlt1Data OP GET	1	Rte Call Sa MtrDrvDiag FetFlt1Data OP GET	1	
Rte_Call_Sa_MtrDrvDiag_FetFlt2Clk_OP_SET	1	Rte_Call_Sa_MtrDrvDiag_FetFlt2Clk_OP_SET	1	,
GateDrvWaitTime	1	GateDrvWaitTime	1	•
Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32	1	Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32	1	-
Rte_Call_Sa_MtrDrvDiag_SystemTime_DtrmnElapsedTime_uS_u16	1	Rte_Call_Sa_MtrDrvDiag_SystemTime_DtrmnElapsedTime_uS_u16	1	•
Rte_Call_Sa_MtrDrvDiag_FetFlt2Clk_OP_SET	1	Rte_Call_Sa_MtrDrvDiag_FetFlt2Clk_OP_SET	1	-
GateDrvWaitTime	1	GateDrvWaitTime	1	-
Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32	1	Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32	1	-
Rte_Call_Sa_MtrDrvDiag_SystemTime_DtrmnElapsedTime_uS_u16	255	Rte_Call_Sa_MtrDrvDiag_SystemTime_DtrmnElapsedTime_uS_u16	255	•
Rte_Call_Sa_MtrDrvDiag_FetFlt1Data_OP_GET	1	Rte_Call_Sa_MtrDrvDiag_FetFlt1Data_OP_GET	1	~
Rte_Call_Sa_MtrDrvDiag_FetFlt2Clk_OP_SET	1	Rte_Call_Sa_MtrDrvDiag_FetFlt2Clk_OP_SET	1	✓
GateDrvWaitTime	1	GateDrvWaitTime	1	~
Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32	1	Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32	1	•
Rte_Call_Sa_MtrDrvDiag_SystemTime_DtrmnElapsedTime_uS_u16	1	Rte_Call_Sa_MtrDrvDiag_SystemTime_DtrmnElapsedTime_uS_u16	1	•
Rte_Call_Sa_MtrDrvDiag_FetFlt2Clk_OP_SET	1	Rte_Call_Sa_MtrDrvDiag_FetFlt2Clk_OP_SET	1	•
GateDrvWaitTime	1	GateDrvWaitTime Pto Call So MtrDrvDing SystemTime CotSystemTime us us	1	•
Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32	1 255	Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32	255	*
Rte_Call_Sa_MtrDrvDiag_SystemTime_DtrmnElapsedTime_uS_u16 Rte_Call_Sa_MtrDrvDiag_FetFlt1Data_OP_GET	1	Rte_Call_Sa_MtrDrvDiag_SystemTime_DtrmnElapsedTime_uS_u16 Rte_Call_Sa_MtrDrvDiag_FetFlt1Data_OP_GET	255	-
Rte Call Sa MtrDrvDiag FetFlt2Clk OP SET	1	Rte_Call_Sa_MtrDrvDiag_FetFit1Data_OP_GE1 Rte_Call_Sa_MtrDrvDiag_FetFlt2Clk_OP_SET	1	Ĭ
GateDrvWaitTime	1	GateDrvWaitTime	1	
Rte Call Sa MtrDrvDiag SystemTime GetSystemTime uS u32	1	Rte Call Sa MtrDrvDiag SystemTime GetSystemTime uS u32	1	Ĵ
Rte_Call_Sa_MtrDrvDiag_SystemTime_DtrmnElapsedTime_uS_u16	1	Rte_Call_Sa_MtrDrvDiag_SystemTime_DtrmnElapsedTime_uS_u16	1	V
Rte_Call_Sa_MtrDrvDiag_FetFlt2Clk_OP_SET	1	Rte_Call_Sa_MtrDrvDiag_FetFlt2Clk_OP_SET	1	
GateDrvWaitTime	1	GateDrvWaitTime	1	-
Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32	1	Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32	1	-
Rte_Call_Sa_MtrDrvDiag_SystemTime_DtrmnElapsedTime_uS_u16	255	Rte_Call_Sa_MtrDrvDiag_SystemTime_DtrmnElapsedTime_uS_u16	255	•
Rte_Call_Sa_MtrDrvDiag_FetFlt1Data_OP_GET	1	Rte_Call_Sa_MtrDrvDiag_FetFlt1Data_OP_GET	1	-
Rte_Call_Sa_MtrDrvDiag_FetFlt2Clk_OP_SET	1	Rte_Call_Sa_MtrDrvDiag_FetFlt2Clk_OP_SET	1	~
GateDrvWaitTime	1	GateDrvWaitTime	1	-
Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32	1	Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32	1	~
Rte_Call_Sa_MtrDrvDiag_SystemTime_DtrmnElapsedTime_uS_u16	1	Rte_Call_Sa_MtrDrvDiag_SystemTime_DtrmnElapsedTime_uS_u16	1	~
Rte_Call_Sa_MtrDrvDiag_FetFlt2Clk_OP_SET	1	Rte_Call_Sa_MtrDrvDiag_FetFlt2Clk_OP_SET	1	~
GateDrvWaitTime	1	GateDrvWaitTime	1	~
Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32	1	Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32	1	~
Rte_Call_Sa_MtrDrvDiag_SystemTime_DtrmnElapsedTime_uS_u16	255	Rte_Call_Sa_MtrDrvDiag_SystemTime_DtrmnElapsedTime_uS_u16	255	_
Rte_Call_Sa_MtrDrvDiag_FetFlt1Data_OP_GET	1	Rte_Call_Sa_MtrDrvDiag_FetFlt1Data_OP_GET	1	V
Rte_Call_Sa_MtrDrvDiag_FetFlt2Clk_OP_SET	1	Rte_Call_Sa_MtrDrvDiag_FetFlt2Clk_OP_SET	1	•
GateDrvWaitTime Rte Call Sa MtrDrvDiag SystemTime GetSystemTime uS u32	1	GateDrvWaitTime	1	_
	1	Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32 Rte_Call_Sa_MtrDrvDiag_SystemTime_DtrmnElapsedTime_uS_u16	1	•
Rte_Call_Sa_MtrDrvDiag_SystemTime_DtrmnElapsedTime_uS_u16 Rte_Call_Sa_MtrDrvDiag_FetFlt2Clk_OP_SET	1	Rte_Call_Sa_MtrDrvDiag_FetFlt2Clk_OP_SET	1	\ \ \ \ \ \
GateDrvWaitTime	1	GateDrvWaitTime	1	-
Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32	1	Rte Call Sa MtrDrvDiag SystemTime GetSystemTime uS u32	1	
Rte_Call_Sa_MtrDrvDiag_SystemTime_DtrmnElapsedTime_uS_u16	255	Rte_Call_Sa_MtrDrvDiag_SystemTime_DtrmnElapsedTime_uS_u16	255	•
Rte Call Sa MtrDrvDiag FetFlt1Data OP GET	1	Rte Call Sa MtrDrvDiag FetFlt1Data OP GET	1	
Rte_Call_Sa_MtrDrvDiag_FetFlt2Clk_OP_SET	1	Rte_Call_Sa_MtrDrvDiag_FetFlt2Clk_OP_SET	1	•
GateDrvWaitTime	1	GateDrvWaitTime	1	
Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32	1	Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32	1	•
Rte_Call_Sa_MtrDrvDiag_SystemTime_DtrmnElapsedTime_uS_u16	1	Rte Call Sa MtrDrvDiag SystemTime DtrmnElapsedTime uS u16	1	-
Rte_Call_Sa_MtrDrvDiag_FetFlt2Clk_OP_SET	1	Rte_Call_Sa_MtrDrvDiag_FetFlt2Clk_OP_SET	1	-
GateDrvWaitTime	1	GateDrvWaitTime	1	-
Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32	1	Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32	1	•
Rte_Call_Sa_MtrDrvDiag_SystemTime_DtrmnElapsedTime_uS_u16	255	Rte_Call_Sa_MtrDrvDiag_SystemTime_DtrmnElapsedTime_uS_u16	255	-
Rte_Call_Sa_MtrDrvDiag_FetFlt1Data_OP_GET	1	Rte_Call_Sa_MtrDrvDiag_FetFlt1Data_OP_GET	1	-
Rte_Call_Sa_MtrDrvDiag_FetFlt2Clk_OP_SET	1	Rte_Call_Sa_MtrDrvDiag_FetFlt2Clk_OP_SET	1	-
GateDrvWaitTime	1	GateDrvWaitTime	1	•
Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32	1	Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32	1	•
Rte_Call_Sa_MtrDrvDiag_SystemTime_DtrmnElapsedTime_uS_u16	1	Rte_Call_Sa_MtrDrvDiag_SystemTime_DtrmnElapsedTime_uS_u16	1	✓
Rte_Call_Sa_MtrDrvDiag_FetFlt2Clk_OP_SET	1	Rte_Call_Sa_MtrDrvDiag_FetFlt2Clk_OP_SET	1	~
GateDrvWaitTime	1	GateDrvWaitTime	1	•
Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32	1	Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32	1	~
Rte_Call_Sa_MtrDrvDiag_SystemTime_DtrmnElapsedTime_uS_u16	255	Rte_Call_Sa_MtrDrvDiag_SystemTime_DtrmnElapsedTime_uS_u16	255	•
Rte_Call_Sa_MtrDrvDiag_FetFlt1Data_OP_GET	1	Rte_Call_Sa_MtrDrvDiag_FetFlt1Data_OP_GET	1	~
Rte_Call_Sa_MtrDrvDiag_FetFlt2Clk_OP_SET	1	Rte_Call_Sa_MtrDrvDiag_FetFlt2Clk_OP_SET	1	•
GateDrvWaitTime	1	GateDrvWaitTime	1	Y
Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32	1	Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32	1	*
Rte_Call_Sa_MtrDrvDiag_SystemTime_DtrmnElapsedTime_uS_u16	1	Rte_Call_Sa_MtrDrvDiag_SystemTime_DtrmnElapsedTime_uS_u16	1	

ReadMtrDrvFltData





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

Test Step 3.3 (Repeat Count = 1)			
Name	Input Value		
Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32(CurrentTime)	tgt_Rte_Call_Sa_MtrDrvDiag_System	Time_GetSystemTime_uS_u32_Curr	
StatusPtr_Cnt_T_b16	tgt_StatusPtr_Cnt_T_b16		
tgt_Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32_Curr	2000		
tgt_StatusPtr_Cnt_T_b16	5000		
Name	Actual Value	Expected Value	Result
ReadMtrDrvFltData()	1	1	~
SVDiag_FETFaultPhase_Cnt_M_enum	1	1	~
SVDiag_FETFaultType_Cnt_M_enum	1	1	~
tgt StatusPtr Cnt T b16	1	1	✓

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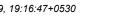
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Actual Function		Expected Function		Result
Rte_Call_Sa_MtrDrvDiag_IoHwAbPortConfig_SetFetFlt2ToOutput	1	Rte_Call_Sa_MtrDrvDiag_loHwAbPortConfig_SetFetFlt2ToOutput	1	•
Rte_Call_Sa_MtrDrvDiag_FetFlt2Clk_OP_SET	1	Rte_Call_Sa_MtrDrvDiag_FetFlt2Clk_OP_SET	1	•
GateDrvWaitTime	1	GateDrvWaitTime	1	_ •
Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32	1	Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32	1	•
Rte_Call_Sa_MtrDrvDiag_SystemTime_DtrmnElapsedTime_uS_u16	1	Rte_Call_Sa_MtrDrvDiag_SystemTime_DtrmnElapsedTime_uS_u16	1	•
Rte_Call_Sa_MtrDrvDiag_FetFlt1Data_OP_GET	1	Rte_Call_Sa_MtrDrvDiag_FetFlt1Data_OP_GET	1	
Rte_Call_Sa_MtrDrvDiag_FetFlt2Clk_OP_SET GateDrvWaitTime	1	Rte_Call_Sa_MtrDrvDiag_FetFlt2Clk_OP_SET GateDrvWaitTime	1	
Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32	1	Rte Call Sa MtrDrvDiag SystemTime GetSystemTime uS u32	1	
Rte_Call_Sa_MtrDrvDiag_SystemTime_DtrmnElapsedTime_uS_u16	1	Rte_Call_Sa_MtrDrvDiag_SystemTime_DtrmnElapsedTime_uS_u16	1	
Rte_Call_Sa_MtrDrvDiag_FetFlt2Clk_OP_SET	1	Rte Call Sa MtrDrvDiag FetFlt2Clk OP SET	1	
GateDrvWaitTime	1	GateDrvWaitTime	1	
Rte Call Sa MtrDrvDiag SystemTime GetSystemTime uS u32	1	Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32	1	
Rte_Call_Sa_MtrDrvDiag_SystemTime_DtrmnElapsedTime_uS_u16	255	Rte_Call_Sa_MtrDrvDiag_SystemTime_DtrmnElapsedTime_uS_u16	255	
Rte_Call_Sa_MtrDrvDiag_FetFlt1Data_OP_GET	1	Rte_Call_Sa_MtrDrvDiag_FetFlt1Data_OP_GET	1	
Rte_Call_Sa_MtrDrvDiag_FetFlt2Clk_OP_SET	1	Rte_Call_Sa_MtrDrvDiag_FetFlt2Clk_OP_SET	1	•
GateDrvWaitTime	1	GateDrvWaitTime	1	•
Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32	1	Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32	1	•
Rte_Call_Sa_MtrDrvDiag_SystemTime_DtrmnElapsedTime_uS_u16	1	Rte_Call_Sa_MtrDrvDiag_SystemTime_DtrmnElapsedTime_uS_u16	1	•
Rte_Call_Sa_MtrDrvDiag_FetFlt2Clk_OP_SET	1	Rte_Call_Sa_MtrDrvDiag_FetFlt2Clk_OP_SET	1	•
GateDrvWaitTime	1	GateDrvWaitTime	1	-
Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32	1	Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32	1	•
Rte_Call_Sa_MtrDrvDiag_SystemTime_DtrmnElapsedTime_uS_u16	255	Rte_Call_Sa_MtrDrvDiag_SystemTime_DtrmnElapsedTime_uS_u16	255	•
Rte_Call_Sa_MtrDrvDiag_FetFlt1Data_OP_GET	1	Rte_Call_Sa_MtrDrvDiag_FetFlt1Data_OP_GET	1	•
Rte_Call_Sa_MtrDrvDiag_FetFlt2Clk_OP_SET	1	Rte_Call_Sa_MtrDrvDiag_FetFlt2Clk_OP_SET	1	•
GateDrvWaitTime	1	GateDrvWaitTime	1	•
Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32	1	Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32	1	-
Rte_Call_Sa_MtrDrvDiag_SystemTime_DtrmnElapsedTime_uS_u16	1	Rte_Call_Sa_MtrDrvDiag_SystemTime_DtrmnElapsedTime_uS_u16	1	•
Rte_Call_Sa_MtrDrvDiag_FetFlt2Clk_OP_SET	1	Rte_Call_Sa_MtrDrvDiag_FetFlt2Clk_OP_SET	1	_
GateDrvWaitTime	1	GateDrvWaitTime	1	•
Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32	1	Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32	1	•
Rte_Call_Sa_MtrDrvDiag_SystemTime_DtrmnElapsedTime_uS_u16	255	Rte_Call_Sa_MtrDrvDiag_SystemTime_DtrmnElapsedTime_uS_u16	255	•
Rte_Call_Sa_MtrDrvDiag_FetFlt1Data_OP_GET	1	Rte_Call_Sa_MtrDrvDiag_FetFlt1Data_OP_GET	1	•
Rte_Call_Sa_MtrDrvDiag_FetFlt2Clk_OP_SET	1	Rte_Call_Sa_MtrDrvDiag_FetFlt2Clk_OP_SET	1	
GateDrvWaitTime Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32	1	GateDrvWaitTime Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32	1	
Rte_Call_Sa_MtrDrvDiag_SystemTime_DtrmnElapsedTime_uS_u16	1	Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_us_us2	1	
Rte_Call_Sa_MtrDrvDiag_FetFlt2Clk_OP_SET	1	Rte_Call_Sa_MtrDrvDiag_FetFlt2Clk_OP_SET	1	
GateDrvWaitTime	1	GateDrvWaitTime	1	
Rte Call Sa MtrDrvDiag SystemTime GetSystemTime uS u32	1	Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32	1	
Rte_Call_Sa_MtrDrvDiag_SystemTime_DtrmnElapsedTime_uS_u16	255	Rte_Call_Sa_MtrDrvDiag_SystemTime_DtrmnElapsedTime_uS_u16	255	
Rte Call Sa MtrDrvDiag FetFlt1Data OP GET	1	Rte Call Sa MtrDrvDiag FetFlt1Data OP GET	1	
Rte Call Sa MtrDrvDiag FetFlt2Clk OP SET	1	Rte_Call_Sa_MtrDrvDiag_FetFlt2Clk_OP_SET	1	
GateDrvWaitTime	1	GateDrvWaitTime	1	•
Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32	1	Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32	1	•
Rte_Call_Sa_MtrDrvDiag_SystemTime_DtrmnElapsedTime_uS_u16	1	Rte_Call_Sa_MtrDrvDiag_SystemTime_DtrmnElapsedTime_uS_u16	1	•
Rte_Call_Sa_MtrDrvDiag_FetFlt2Clk_OP_SET	1	Rte_Call_Sa_MtrDrvDiag_FetFlt2Clk_OP_SET	1	-
GateDrvWaitTime	1	GateDrvWaitTime	1	-
Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32	1	Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32	1	-
Rte_Call_Sa_MtrDrvDiag_SystemTime_DtrmnElapsedTime_uS_u16	255	Rte_Call_Sa_MtrDrvDiag_SystemTime_DtrmnElapsedTime_uS_u16	255	•
Rte_Call_Sa_MtrDrvDiag_FetFlt1Data_OP_GET	1	Rte_Call_Sa_MtrDrvDiag_FetFlt1Data_OP_GET	1	•
Rte_Call_Sa_MtrDrvDiag_FetFlt2Clk_OP_SET	1	Rte_Call_Sa_MtrDrvDiag_FetFlt2Clk_OP_SET	1	•
GateDrvWaitTime	1	GateDrvWaitTime	1	•
Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32	1	Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32	1	•
Rte_Call_Sa_MtrDrvDiag_SystemTime_DtrmnElapsedTime_uS_u16	1	Rte_Call_Sa_MtrDrvDiag_SystemTime_DtrmnElapsedTime_uS_u16	1	•
Rte_Call_Sa_MtrDrvDiag_FetFlt2Clk_OP_SET	1	Rte_Call_Sa_MtrDrvDiag_FetFlt2Clk_OP_SET	1	•
GateDrvWaitTime	1	GateDrvWaitTime	1	•
Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32	1	Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32	1	•
Rte_Call_Sa_MtrDrvDiag_SystemTime_DtrmnElapsedTime_uS_u16	255	Rte_Call_Sa_MtrDrvDiag_SystemTime_DtrmnElapsedTime_uS_u16	255	•
Rte_Call_Sa_MtrDrvDiag_FetFlt1Data_OP_GET	1	Rte_Call_Sa_MtrDrvDiag_FetFlt1Data_OP_GET	1	•
Rte_Call_Sa_MtrDrvDiag_FetFlt2Clk_OP_SET	1	Rte_Call_Sa_MtrDrvDiag_FetFlt2Clk_OP_SET	1	•
GateDrvWaitTime	1	GateDrvWaitTime	1	•
Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32	1	Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32	1	•
Rte_Call_Sa_MtrDrvDiag_SystemTime_DtrmnElapsedTime_uS_u16	1	Rte_Call_Sa_MtrDrvDiag_SystemTime_DtrmnElapsedTime_uS_u16		•
Rte_Call_Sa_MtrDrvDiag_FetFlt2Clk_OP_SET	1	Rte_Call_Sa_MtrDrvDiag_FetFlt2Clk_OP_SET	1	
GateDrvWaitTime Pto Call Sa MtrDrvDiag SystemTime GetSystemTime us us 2	1	GateDrvWaitTime Pto Call Sa MtrDrvDiag SystemTime GotSystemTime us us2	1	
Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32 Rte_Call_Sa_MtrDrvDiag_SystemTime_DtrmnElapsedTime_uS_u16	255	Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32 Rte_Call_Sa_MtrDrvDiag_SystemTime_DtrmnElapsedTime_uS_u16	255	
Rte_Call_Sa_MtrDrvDiag_SystemTime_DtrmnElapsedTime_us_u16 Rte_Call_Sa_MtrDrvDiag_FetFlt1Data_OP_GET	1	Rte_Call_Sa_MtrDrvDiag_System Time_DtrmnElapsed Time_us_u16 Rte_Call_Sa_MtrDrvDiag_FetFlt1Data_OP_GET	1	
Rte_Call_Sa_MtrDrvDiag_FetFlt1Data_OP_GE1 Rte_Call_Sa_MtrDrvDiag_FetFlt2Clk_OP_SET	1	Rte_Call_Sa_MtrDrvDiag_FetFlt2Clk_OP_SET	1	
GateDrvWaitTime	1	GateDrvWaitTime	1	
				. •
Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32	1	Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32	1	-

ReadMtrDrvFltData





Actual Function	Count	Expected Function	Count	Result
Rte_Call_Sa_MtrDrvDiag_FetFlt2Clk_OP_SET	1	Rte_Call_Sa_MtrDrvDiag_FetFlt2Clk_OP_SET	1	~
GateDrvWaitTime	1	GateDrvWaitTime	1	~
Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32	1	Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32	1	~
Rte_Call_Sa_MtrDrvDiag_SystemTime_DtrmnElapsedTime_uS_u16	255	Rte_Call_Sa_MtrDrvDiag_SystemTime_DtrmnElapsedTime_uS_u16	255	~
Rte_Call_Sa_MtrDrvDiag_FetFlt1Data_OP_GET	1	Rte_Call_Sa_MtrDrvDiag_FetFlt1Data_OP_GET	1	~
Rte_Call_Sa_MtrDrvDiag_FetFlt2Clk_OP_SET	1	Rte_Call_Sa_MtrDrvDiag_FetFlt2Clk_OP_SET	1	~
GateDrvWaitTime	1	GateDrvWaitTime	1	~
Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32	1	Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32	1	~
Rte_Call_Sa_MtrDrvDiag_SystemTime_DtrmnElapsedTime_uS_u16	1	Rte_Call_Sa_MtrDrvDiag_SystemTime_DtrmnElapsedTime_uS_u16	1	~
Rte_Call_Sa_MtrDrvDiag_FetFlt2Clk_OP_SET	1	Rte_Call_Sa_MtrDrvDiag_FetFlt2Clk_OP_SET	1	~
GateDrvWaitTime	1	GateDrvWaitTime	1	~
Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32	1	Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32	1	~
Rte_Call_Sa_MtrDrvDiag_SystemTime_DtrmnElapsedTime_uS_u16	255	Rte_Call_Sa_MtrDrvDiag_SystemTime_DtrmnElapsedTime_uS_u16	255	~
Rte_Call_Sa_MtrDrvDiag_FetFlt1Data_OP_GET	1	Rte_Call_Sa_MtrDrvDiag_FetFlt1Data_OP_GET	1	~
Rte_Call_Sa_MtrDrvDiag_FetFlt2Clk_OP_SET	1	Rte_Call_Sa_MtrDrvDiag_FetFlt2Clk_OP_SET	1	~
GateDrvWaitTime	1	GateDrvWaitTime	1	~
Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32	1	Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32	1	✓
Rte_Call_Sa_MtrDrvDiag_SystemTime_DtrmnElapsedTime_uS_u16	1	Rte_Call_Sa_MtrDrvDiag_SystemTime_DtrmnElapsedTime_uS_u16	1	~
Rte Call Sa MtrDrvDiag IoHwAbPortConfig SetFetFlt2ToOutput	1	Rte Call Sa MtrDrvDiag IoHwAbPortConfig SetFetFlt2ToOutput	1	✓

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

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Actual Function		Expected Function		Result
Rte_Call_Sa_MtrDrvDiag_loHwAbPortConfig_SetFetFlt2ToOutput	1	Rte_Call_Sa_MtrDrvDiag_loHwAbPortConfig_SetFetFlt2ToOutput	1	•
Rte_Call_Sa_MtrDrvDiag_FetFlt2Clk_OP_SET	1	Rte_Call_Sa_MtrDrvDiag_FetFlt2Clk_OP_SET	1	•
GateDrvWaitTime	1	GateDrvWaitTime	1	•
Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32	1	Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32	1	•
Rte_Call_Sa_MtrDrvDiag_SystemTime_DtrmnElapsedTime_uS_u16	1	Rte_Call_Sa_MtrDrvDiag_SystemTime_DtrmnElapsedTime_uS_u16	1	•
Rte_Call_Sa_MtrDrvDiag_FetFlt1Data_OP_GET	1	Rte_Call_Sa_MtrDrvDiag_FetFlt1Data_OP_GET	1	Ĭ
Rte_Call_Sa_MtrDrvDiag_FetFlt2Clk_OP_SET GateDrvWaitTime	1	Rte_Call_Sa_MtrDrvDiag_FetFlt2Clk_OP_SET GateDrvWaitTime	1	
Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32	1	Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32	1	J
Rte Call Sa MtrDrvDiag SystemTime DtrmnElapsedTime uS u16	1	Rte_Call_Sa_MtrDrvDiag_SystemTime_DtrmnElapsedTime_uS_u16	1	
Rte_Call_Sa_MtrDrvDiag_FetFlt2Clk_OP_SET	1	Rte_Call_Sa_MtrDrvDiag_FetFlt2Clk_OP_SET	1	
GateDrvWaitTime	1	GateDrvWaitTime	1	•
Rte Call Sa MtrDrvDiag SystemTime GetSystemTime uS u32	1	Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32	1	
Rte_Call_Sa_MtrDrvDiag_SystemTime_DtrmnElapsedTime_uS_u16	255	Rte_Call_Sa_MtrDrvDiag_SystemTime_DtrmnElapsedTime_uS_u16	255	
Rte_Call_Sa_MtrDrvDiag_FetFlt1Data_OP_GET	1	Rte_Call_Sa_MtrDrvDiag_FetFlt1Data_OP_GET	1	
Rte_Call_Sa_MtrDrvDiag_FetFlt2Clk_OP_SET	1	Rte_Call_Sa_MtrDrvDiag_FetFlt2Clk_OP_SET	1	•
GateDrvWaitTime	1	GateDrvWaitTime	1	-
Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32	1	Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32	1	•
Rte_Call_Sa_MtrDrvDiag_SystemTime_DtrmnElapsedTime_uS_u16	1	Rte_Call_Sa_MtrDrvDiag_SystemTime_DtrmnElapsedTime_uS_u16	1	-
Rte_Call_Sa_MtrDrvDiag_FetFlt2Clk_OP_SET	1	Rte_Call_Sa_MtrDrvDiag_FetFlt2Clk_OP_SET	1	•
GateDrvWaitTime	1	GateDrvWaitTime	1	-
Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32	1	Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32	1	•
Rte_Call_Sa_MtrDrvDiag_SystemTime_DtrmnElapsedTime_uS_u16	255	Rte_Call_Sa_MtrDrvDiag_SystemTime_DtrmnElapsedTime_uS_u16	255	•
Rte_Call_Sa_MtrDrvDiag_FetFlt1Data_OP_GET	1	Rte_Call_Sa_MtrDrvDiag_FetFlt1Data_OP_GET	1	•
Rte_Call_Sa_MtrDrvDiag_FetFlt2Clk_OP_SET	1	Rte_Call_Sa_MtrDrvDiag_FetFlt2Clk_OP_SET	1	•
GateDrvWaitTime	1	GateDrvWaitTime	1	•
Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32	1	Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32	1	-
Rte_Call_Sa_MtrDrvDiag_SystemTime_DtrmnElapsedTime_uS_u16	1	Rte_Call_Sa_MtrDrvDiag_SystemTime_DtrmnElapsedTime_uS_u16	1	•
Rte_Call_Sa_MtrDrvDiag_FetFlt2Clk_OP_SET	1	Rte_Call_Sa_MtrDrvDiag_FetFlt2Clk_OP_SET	1	~
GateDrvWaitTime	1	GateDrvWaitTime	1	•
Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32	1	Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32	1	•
Rte_Call_Sa_MtrDrvDiag_SystemTime_DtrmnElapsedTime_uS_u16	255	Rte_Call_Sa_MtrDrvDiag_SystemTime_DtrmnElapsedTime_uS_u16	255	•
Rte_Call_Sa_MtrDrvDiag_FetFlt1Data_OP_GET	1	Rte_Call_Sa_MtrDrvDiag_FetFlt1Data_OP_GET	1	•
Rte_Call_Sa_MtrDrvDiag_FetFlt2Clk_OP_SET	1	Rte_Call_Sa_MtrDrvDiag_FetFlt2Clk_OP_SET	1	
GateDrvWaitTime Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32	1	GateDrvWaitTime Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32	1	
Rte_Call_Sa_MtrDrvDiag_SystemTime_DtrmnElapsedTime_uS_u16	1	Rte_Call_Sa_MtrDrvDiag_SystemTime_DtrmnElapsedTime_uS_u16	1	
Rte_Call_Sa_MtrDrvDiag_FetFlt2Clk_OP_SET	1	Rte_Call_Sa_MtrDrvDiag_FetFlt2Clk_OP_SET	1	
GateDrvWaitTime	1	GateDrvWaitTime	1	
Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32	1	Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32	1	•
Rte_Call_Sa_MtrDrvDiag_SystemTime_DtrmnElapsedTime_uS_u16	255	Rte Call Sa MtrDrvDiag SystemTime DtrmnElapsedTime uS u16	255	
Rte_Call_Sa_MtrDrvDiag_FetFlt1Data_OP_GET	1	Rte Call Sa MtrDrvDiag FetFlt1Data OP GET	1	•
Rte_Call_Sa_MtrDrvDiag_FetFlt2Clk_OP_SET	1	Rte_Call_Sa_MtrDrvDiag_FetFlt2Clk_OP_SET	1	-
GateDrvWaitTime	1	GateDrvWaitTime	1	-
Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32	1	Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32	1	-
Rte_Call_Sa_MtrDrvDiag_SystemTime_DtrmnElapsedTime_uS_u16	1	Rte_Call_Sa_MtrDrvDiag_SystemTime_DtrmnElapsedTime_uS_u16	1	•
Rte_Call_Sa_MtrDrvDiag_FetFlt2Clk_OP_SET	1	Rte_Call_Sa_MtrDrvDiag_FetFlt2Clk_OP_SET	1	-
GateDrvWaitTime	1	GateDrvWaitTime	1	-
Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32	1	Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32	1	-
Rte_Call_Sa_MtrDrvDiag_SystemTime_DtrmnElapsedTime_uS_u16	255	Rte_Call_Sa_MtrDrvDiag_SystemTime_DtrmnElapsedTime_uS_u16	255	-
Rte_Call_Sa_MtrDrvDiag_FetFlt1Data_OP_GET	1	Rte_Call_Sa_MtrDrvDiag_FetFlt1Data_OP_GET	1	-
Rte_Call_Sa_MtrDrvDiag_FetFlt2Clk_OP_SET	1	Rte_Call_Sa_MtrDrvDiag_FetFlt2Clk_OP_SET	1	•
GateDrvWaitTime	1	GateDrvWaitTime	1	•
Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32	1	Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32	1	-
Rte_Call_Sa_MtrDrvDiag_SystemTime_DtrmnElapsedTime_uS_u16	1	Rte_Call_Sa_MtrDrvDiag_SystemTime_DtrmnElapsedTime_uS_u16	1	~
Rte_Call_Sa_MtrDrvDiag_FetFlt2Clk_OP_SET	1	Rte_Call_Sa_MtrDrvDiag_FetFlt2Clk_OP_SET	1	•
GateDrvWaitTime	1	GateDrvWaitTime	1	_
Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32	1	Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32	1	•
Rte_Call_Sa_MtrDrvDiag_SystemTime_DtrmnElapsedTime_uS_u16	255	Rte_Call_Sa_MtrDrvDiag_SystemTime_DtrmnElapsedTime_uS_u16	255	•
Rte_Call_Sa_MtrDrvDiag_FetFlt1Data_OP_GET	1	Rte_Call_Sa_MtrDrvDiag_FetFlt1Data_OP_GET	1	•
Rte_Call_Sa_MtrDrvDiag_FetFlt2Clk_OP_SET	1	Rte_Call_Sa_MtrDrvDiag_FetFlt2Clk_OP_SET	1	•
GateDrvWaitTime	1	GateDrvWaitTime Pto Call So MtrDrvDing SystemTime CotSystemTime us us use	1	•
Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32 Pte_Call_Sa_MtrDrvDiag_SystemTime_DtrmpFlansedTime_uS_u16		Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32	1	•
Rte_Call_Sa_MtrDrvDiag_SystemTime_DtrmnElapsedTime_uS_u16	1	Rte_Call_Sa_MtrDrvDiag_SystemTime_DtrmnElapsedTime_uS_u16	1	•
Rte_Call_Sa_MtrDrvDiag_FetFlt2Clk_OP_SET	1	Rte_Call_Sa_MtrDrvDiag_FetFlt2Clk_OP_SET	1	•
GateDrvWaitTime Pto Call Sa MtrDrvDiag SystemTime GetSystemTime us us us 2	1	GateDrvWaitTime Pto Call Sa MtrDovDiag SystemTime CotSystemTime u.S. u.32	1	•
Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32	255	Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32 Rte_Call_Sa_MtrDrvDiag_SystemTime_DtrmnElapsedTime_uS_u16	255	
Rte_Call_Sa_MtrDrvDiag_SystemTime_DtrmnElapsedTime_uS_u16 Rte_Call_Sa_MtrDrvDiag_FetFlt1Data_OP_GET	1	Rte_Call_Sa_MtrDrvDiag_SystemTime_DtrmnElapsedTime_us_u16 Rte_Call_Sa_MtrDrvDiag_FetFlt1Data_OP_GET	1	
Rte_Call_Sa_MtrDrvDiag_FetFlt2Clk_OP_SET	1	Rte_Call_Sa_MtrDrvDiag_FetFit1Data_OP_GE1 Rte_Call_Sa_MtrDrvDiag_FetFlt2Clk_OP_SET	1	
	1	GateDrvWaitTime	1	
GateDryWaitTime				. •
GateDrvWaitTime Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32	1	Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32	1	•

ReadMtrDrvFltData





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

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

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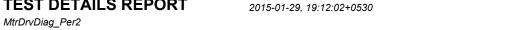


Actual Function		Expected Function		Result
Rte_Call_Sa_MtrDrvDiag_loHwAbPortConfig_SetFetFlt2ToOutput	1	Rte_Call_Sa_MtrDrvDiag_loHwAbPortConfig_SetFetFlt2ToOutput	1	•
Rte_Call_Sa_MtrDrvDiag_FetFlt2Clk_OP_SET	1	Rte_Call_Sa_MtrDrvDiag_FetFlt2Clk_OP_SET	1	•
GateDrvWaitTime	1	GateDrvWaitTime	1	•
Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32	1	Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32	1	•
Rte_Call_Sa_MtrDrvDiag_SystemTime_DtrmnElapsedTime_uS_u16	1	Rte_Call_Sa_MtrDrvDiag_SystemTime_DtrmnElapsedTime_uS_u16	1	•
Rte_Call_Sa_MtrDrvDiag_FetFlt1Data_OP_GET	1	Rte_Call_Sa_MtrDrvDiag_FetFlt1Data_OP_GET	1	Ĭ
Rte_Call_Sa_MtrDrvDiag_FetFlt2Clk_OP_SET GateDrvWaitTime	1	Rte_Call_Sa_MtrDrvDiag_FetFlt2Clk_OP_SET GateDrvWaitTime	1	
Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32	1	Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32	1	J
Rte Call Sa MtrDrvDiag SystemTime DtrmnElapsedTime uS u16	1	Rte_Call_Sa_MtrDrvDiag_SystemTime_DtrmnElapsedTime_uS_u16	1	
Rte_Call_Sa_MtrDrvDiag_FetFlt2Clk_OP_SET	1	Rte_Call_Sa_MtrDrvDiag_FetFlt2Clk_OP_SET	1	
GateDrvWaitTime	1	GateDrvWaitTime	1	•
Rte Call Sa MtrDrvDiag SystemTime GetSystemTime uS u32	1	Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32	1	
Rte_Call_Sa_MtrDrvDiag_SystemTime_DtrmnElapsedTime_uS_u16	255	Rte_Call_Sa_MtrDrvDiag_SystemTime_DtrmnElapsedTime_uS_u16	255	
Rte_Call_Sa_MtrDrvDiag_FetFlt1Data_OP_GET	1	Rte_Call_Sa_MtrDrvDiag_FetFlt1Data_OP_GET	1	
Rte_Call_Sa_MtrDrvDiag_FetFlt2Clk_OP_SET	1	Rte_Call_Sa_MtrDrvDiag_FetFlt2Clk_OP_SET	1	•
GateDrvWaitTime	1	GateDrvWaitTime	1	-
Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32	1	Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32	1	•
Rte_Call_Sa_MtrDrvDiag_SystemTime_DtrmnElapsedTime_uS_u16	1	Rte_Call_Sa_MtrDrvDiag_SystemTime_DtrmnElapsedTime_uS_u16	1	-
Rte_Call_Sa_MtrDrvDiag_FetFlt2Clk_OP_SET	1	Rte_Call_Sa_MtrDrvDiag_FetFlt2Clk_OP_SET	1	•
GateDrvWaitTime	1	GateDrvWaitTime	1	-
Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32	1	Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32	1	•
Rte_Call_Sa_MtrDrvDiag_SystemTime_DtrmnElapsedTime_uS_u16	255	Rte_Call_Sa_MtrDrvDiag_SystemTime_DtrmnElapsedTime_uS_u16	255	•
Rte_Call_Sa_MtrDrvDiag_FetFlt1Data_OP_GET	1	Rte_Call_Sa_MtrDrvDiag_FetFlt1Data_OP_GET	1	•
Rte_Call_Sa_MtrDrvDiag_FetFlt2Clk_OP_SET	1	Rte_Call_Sa_MtrDrvDiag_FetFlt2Clk_OP_SET	1	•
GateDrvWaitTime	1	GateDrvWaitTime	1	•
Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32	1	Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32	1	-
Rte_Call_Sa_MtrDrvDiag_SystemTime_DtrmnElapsedTime_uS_u16	1	Rte_Call_Sa_MtrDrvDiag_SystemTime_DtrmnElapsedTime_uS_u16	1	•
Rte_Call_Sa_MtrDrvDiag_FetFlt2Clk_OP_SET	1	Rte_Call_Sa_MtrDrvDiag_FetFlt2Clk_OP_SET	1	~
GateDrvWaitTime	1	GateDrvWaitTime	1	•
Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32	1	Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32	1	•
Rte_Call_Sa_MtrDrvDiag_SystemTime_DtrmnElapsedTime_uS_u16	255	Rte_Call_Sa_MtrDrvDiag_SystemTime_DtrmnElapsedTime_uS_u16	255	•
Rte_Call_Sa_MtrDrvDiag_FetFlt1Data_OP_GET	1	Rte_Call_Sa_MtrDrvDiag_FetFlt1Data_OP_GET	1	•
Rte_Call_Sa_MtrDrvDiag_FetFlt2Clk_OP_SET	1	Rte_Call_Sa_MtrDrvDiag_FetFlt2Clk_OP_SET	1	
GateDrvWaitTime Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32	1	GateDrvWaitTime Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32	1	
Rte_Call_Sa_MtrDrvDiag_SystemTime_DtrmnElapsedTime_uS_u16	1	Rte_Call_Sa_MtrDrvDiag_SystemTime_DtrmnElapsedTime_uS_u16	1	
Rte_Call_Sa_MtrDrvDiag_FetFlt2Clk_OP_SET	1	Rte_Call_Sa_MtrDrvDiag_FetFlt2Clk_OP_SET	1	
GateDrvWaitTime	1	GateDrvWaitTime	1	
Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32	1	Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32	1	•
Rte_Call_Sa_MtrDrvDiag_SystemTime_DtrmnElapsedTime_uS_u16	255	Rte Call Sa MtrDrvDiag SystemTime DtrmnElapsedTime uS u16	255	
Rte_Call_Sa_MtrDrvDiag_FetFlt1Data_OP_GET	1	Rte Call Sa MtrDrvDiag FetFlt1Data OP GET	1	•
Rte_Call_Sa_MtrDrvDiag_FetFlt2Clk_OP_SET	1	Rte_Call_Sa_MtrDrvDiag_FetFlt2Clk_OP_SET	1	-
GateDrvWaitTime	1	GateDrvWaitTime	1	-
Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32	1	Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32	1	-
Rte_Call_Sa_MtrDrvDiag_SystemTime_DtrmnElapsedTime_uS_u16	1	Rte_Call_Sa_MtrDrvDiag_SystemTime_DtrmnElapsedTime_uS_u16	1	•
Rte_Call_Sa_MtrDrvDiag_FetFlt2Clk_OP_SET	1	Rte_Call_Sa_MtrDrvDiag_FetFlt2Clk_OP_SET	1	-
GateDrvWaitTime	1	GateDrvWaitTime	1	-
Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32	1	Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32	1	-
Rte_Call_Sa_MtrDrvDiag_SystemTime_DtrmnElapsedTime_uS_u16	255	Rte_Call_Sa_MtrDrvDiag_SystemTime_DtrmnElapsedTime_uS_u16	255	-
Rte_Call_Sa_MtrDrvDiag_FetFlt1Data_OP_GET	1	Rte_Call_Sa_MtrDrvDiag_FetFlt1Data_OP_GET	1	-
Rte_Call_Sa_MtrDrvDiag_FetFlt2Clk_OP_SET	1	Rte_Call_Sa_MtrDrvDiag_FetFlt2Clk_OP_SET	1	•
GateDrvWaitTime	1	GateDrvWaitTime	1	•
Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32	1	Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32	1	-
Rte_Call_Sa_MtrDrvDiag_SystemTime_DtrmnElapsedTime_uS_u16	1	Rte_Call_Sa_MtrDrvDiag_SystemTime_DtrmnElapsedTime_uS_u16	1	~
Rte_Call_Sa_MtrDrvDiag_FetFlt2Clk_OP_SET	1	Rte_Call_Sa_MtrDrvDiag_FetFlt2Clk_OP_SET	1	•
GateDrvWaitTime	1	GateDrvWaitTime	1	_
Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32	1	Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32	1	•
Rte_Call_Sa_MtrDrvDiag_SystemTime_DtrmnElapsedTime_uS_u16	255	Rte_Call_Sa_MtrDrvDiag_SystemTime_DtrmnElapsedTime_uS_u16	255	•
Rte_Call_Sa_MtrDrvDiag_FetFlt1Data_OP_GET	1	Rte_Call_Sa_MtrDrvDiag_FetFlt1Data_OP_GET	1	•
Rte_Call_Sa_MtrDrvDiag_FetFlt2Clk_OP_SET	1	Rte_Call_Sa_MtrDrvDiag_FetFlt2Clk_OP_SET	1	•
GateDrvWaitTime	1	GateDrvWaitTime Pto Call So MtrDrvDing SystemTime CotSystemTime us us use	1	•
Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32 Pte_Call_Sa_MtrDrvDiag_SystemTime_DtrmpFlansedTime_uS_u16		Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32	1	•
Rte_Call_Sa_MtrDrvDiag_SystemTime_DtrmnElapsedTime_uS_u16	1	Rte_Call_Sa_MtrDrvDiag_SystemTime_DtrmnElapsedTime_uS_u16	1	•
Rte_Call_Sa_MtrDrvDiag_FetFlt2Clk_OP_SET	1	Rte_Call_Sa_MtrDrvDiag_FetFlt2Clk_OP_SET	1	•
GateDrvWaitTime Pto Call Sa MtrDrvDiag SystemTime GetSystemTime us us us 2	1	GateDrvWaitTime Pto Call Sa MtrDovDiag SystemTime CotSystemTime u.S. u.32	1	•
Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32	255	Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32 Rte_Call_Sa_MtrDrvDiag_SystemTime_DtrmnElapsedTime_uS_u16	255	
Rte_Call_Sa_MtrDrvDiag_SystemTime_DtrmnElapsedTime_uS_u16 Rte_Call_Sa_MtrDrvDiag_FetFlt1Data_OP_GET	1	Rte_Call_Sa_MtrDrvDiag_SystemTime_DtrmnElapsedTime_us_u16 Rte_Call_Sa_MtrDrvDiag_FetFlt1Data_OP_GET	1	
Rte_Call_Sa_MtrDrvDiag_FetFlt2Clk_OP_SET	1	Rte_Call_Sa_MtrDrvDiag_FetFit1Data_OP_GE1 Rte_Call_Sa_MtrDrvDiag_FetFlt2Clk_OP_SET	1	
	1	GateDrvWaitTime	1	
GateDryWaitTime				. •
GateDrvWaitTime Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32	1	Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32	1	•

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Razorcat

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





Project MtrDrvDiag Module MtrDrvDiag **Test Object** MtrDrvDiag_Per2

Instrumentation: Test Object Only

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

Statistics

Total Testcases	1	
Successful	1	~
Failed	0	
Not Executed	0	

Module Properties

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

Comments/Description/Specification		
Name	Text	
Module 'MtrDrvDiag'	Name of Tester: Spoorti Mali Code File(s) Under Test: Sa_MtrDrvDiag.c Code File(s) Version: 22 Module Design Document:Motor_Driver_Diagnostics_MDD.doc Module Design Document Version: 11 Data Dictionary Version: 11 Unit Test Plan Version: 3 Optimization Level:Level 2 Compiler (CodeGen) Version: TMS470_4.9.5 Model Vpresion:Nexteer EPS Unit Test Tool 2.7d/ EPS Library 1.31 Total FLASH Used (Bytes): 1334 Total RAM Used (Bytes): 177 Total CALS Used (Bytes): 50 Special Test Requirements: Test Date:01-29-2015 Comments: Note 1:Inline function defined in ""Gloabalmacro.h"" is not unit Tested.	
	Note 2:In ""GateDrvWaitTime"" function extra code is added in VBA,to exit the while loop and to replicate the usercode functionality of TESSY.	
	Note 3:In ""ReadMtrDrvFitData""function, ""DataHigh_Cnt_T_lgc"" temporary variable and ""Rte_Call_SystemTime_DtrmnElapsedTime_uS_u16"" stub are used as ""DataHigh_Cnt_T_lgc_Array[10]"" and ""Rte_Call_FetFlt1Data_OP_GET_Array[11]"" to replicate the usercode functionality of TESSY.	
	Note 4:In functions ""ProcGateDriveFit"", ""ProcBridgeFit"", ""MtrDrvDiag_Per1"", ""ReadMtrDrvFitData" functions, ""Rte_Call_SystemTime_DtrmnElapsedTime_uS_u16" is not tested with its Min value, to avoid the infinite loop.	
	Note 5:""CBD_Sandbox_dbg.map"" file is embedded for reference."	

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

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MtrDrvDiag_Per2



Attributes		
Name	Value	
InitSrcDir	\$(PROJECTROOT)\UnitTestEnv\static_build_files\src	
Linker File	<pre>\$(PROJECTROOT)\UnitTestEnv\static_build_files\sys_link.cmd</pre>	
Makefile Template	\$(PROJECTROOT)\UnitTestEnv\config\Nexteer_ts_make_ude_ti_tms570.tpl	
Target Install Path	<pre>\$(ProgramFiles)\pls</pre>	
Time Unit	Cycles	
Timer Enabled	false	
Timer Prescale	0	
Timer Resolution	1	
UDE Config File	\$(PROJECTROOT)\UnitTestEnv\config\TMS570_UDE_12PIN_JTAG.cfg	
Workspace File	D:\Synergy_Work_Area\CBD_MtrDrvDiag\UnitTestEnv\config\UDE_TMS570_DEBUG.WSP	

MtrDrvDiag_Per2



Test Case 1: Path Test

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

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	~

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Project	MtrDrvDiag
Module	MtrDrvDiag
Test Object	MotorDriverInit

Instrumentation: Test Object Only

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

Statistics

Total Testcases	3	
Successful	3	✓
Failed	0	
Not Executed	0	

Module Properties

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

Comments/Description/Specific	ication
Name Text	xt



Module 'MtrDrvDiag'

Name of Tester: Spoorti Mali

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

Module Design Document:Motor_Driver_Diagnostics_MDD.doc
Module Design Document Version: 11
Data Dictionary Version: 11
Unit Test Plan Version: 3
Optimization Level!Level 2
Compiler (CodeGen) Version: TMS470_4.9.5
Model Type: Excel Macro
Model Version:Nexteer EPS Unit Test Tool 2.7d/ EPS Library 1.31
Total FI ASH Used (Kyres): 1334

Model Version:Nexteer EPS Unit Total FLASH Used (Bytes): 1334 Total RAM Used (Bytes): 17 Total CALS Used (Bytes): 50 Special Test Requirements: Test Date:01-29-2015

Comments:

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

is not unit Tested.

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

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

Note 4:In functions ""ProcGateDriveFit"", ""ProcBridgeFit"", ""MtrDrvDiag_Per1"", ""ReadMtrDrvFitData"" functions, ""Rte_Call_SystemTime_DtrmnElapsedTime_uS_u16""is not tested with its Min value, to avoid the infinite loop.

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

Attributes			
Name	Value		
Compiler Install Path	\$(ProgramFiles)\Texas Instruments\ccsv4\tools\compiler\tms470_4.9.5		
Float Precision	9		
InitObjDir	\$(PROJECTROOT)\UnitTestEnv\static_build_files\obj		
InitSrcDir	\$(PROJECTROOT)\UnitTestEnv\static_build_files\src		
Linker File	\$(PROJECTROOT)\UnitTestEnv\static_build_files\sys_link.cmd		
Makefile Template	\$(PROJECTROOT)\UnitTestEnv\config\Nexteer_ts_make_ude_ti_tms570.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_SystemTim	e_DtrmnElapsedTime_mS_u16_ElapsedTime	
Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_mS_u32(CurrentTime)	tgt_Rte_Call_Sa_MtrDrvDiag_SystemTime_0	GetSystemTime_mS_u32_Curr	
Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32(CurrentTime)	tgt_Rte_Call_Sa_MtrDrvDiag_SystemTime_0	GetSystemTime_uS_u32_Curr	
SVDiag_MtrDrvInitActive_Cnt_M_lgc	1		
SVDiag_MtrDrvInitStartTime_mS_M_u32p0	747		
$target_Rte_Call_Sa_MtrDrvDiag_SystemTime_DtrmnElapsedTime_mS_u16_ElapsedTime_mSulfaces and the start of the$	755		
tgt_Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_mS_u32_Curr	83462		
tgt_Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32_Curr	231		
Name	Actual Value	Expected Value	Result
MotorDriverInit()	1	1	~
SVDiag_MtrDrvInitActive_Cnt_M_lgc	0	0	•
SVDiag_MtrDrvInitStartTime_mS_M_u32p0	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_	me) target_Rte_Call_Sa_MtrDrvDiag_S	ystemTime_DtrmnElapsedTime_mS_u16_El	apsedTime
$Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_mS_u32(CurrentTime)$	tgt_Rte_Call_Sa_MtrDrvDiag_Syste	emTime_GetSystemTime_mS_u32_Curr	
Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32(CurrentTime)	tgt_Rte_Call_Sa_MtrDrvDiag_Syste	emTime_GetSystemTime_uS_u32_Curr	
SVDiag_MtrDrvInitActive_Cnt_M_lgc	0		
SVDiag_MtrDrvInitStartTime_mS_M_u32p0	3125		
target_Rte_Call_Sa_MtrDrvDiag_SystemTime_DtrmnElapsedTime_mS_u16_Elaps	pse 235		
tgt_Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_mS_u32_Curr	6653		
tgt_Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32_Curr	562		
Name	Actual Value	Expected Value	Result
MotorDriverInit()	1	1	~
SVDiag_MtrDrvInitActive_Cnt_M_lgc	0	Ō	~
SVDiag MtrDrvInitStartTime mS M u32p0	6653	6653 ± 1	✓

au				
Actual Function	Count	Expected Function	Count	Result
Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_mS_u32	1	Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_mS_u32	1	~
Rte_Call_Sa_MtrDrvDiag_SystemTime_DtrmnElapsedTime_mS_u16	1	Rte_Call_Sa_MtrDrvDiag_SystemTime_DtrmnElapsedTime_mS_u16	1	~
ResetGateDrive	1	ResetGateDrive	1	-
SuspendAllInterrupts	1	SuspendAllInterrupts	1	•
Rte_Call_Sa_MtrDrvDiag_FetDrvReset_OP_SET	1	Rte_Call_Sa_MtrDrvDiag_FetDrvReset_OP_SET	1	-
GateDrvWaitTime	1	GateDrvWaitTime	1	-
Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32	1	Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32	1	-
Rte_Call_Sa_MtrDrvDiag_SystemTime_DtrmnElapsedTime_uS_u16	1	Rte_Call_Sa_MtrDrvDiag_SystemTime_DtrmnElapsedTime_uS_u16	1	•
Rte_Call_Sa_MtrDrvDiag_FetDrvReset_OP_SET	1	Rte_Call_Sa_MtrDrvDiag_FetDrvReset_OP_SET	1	-
ResumeAllInterrupts	1	ResumeAllInterrupts	1	-



Test Case 2: Boundary Test

Specification

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

TC2.1 504 Cycles TC2.2 251 Cycles TC2.2 251 Cycles TC2.3 505 Cycles TC2.4 505 Cycles TC2.5 505 Cycles TC2.6 505 Cycles TC2.7 505 Cycles TC2.8 505 Cycles TC2.9 251 Cycles TC2.10 505 Cycles TC2.11 251 Cycles TC2.11 251 Cycles

Description

Vector Description

TS2.1SVDiag_MtrDrvInitActive_Cnt_M_lgc=False TS2.2SVDiag_MtrDrvInitActive_Cnt_M_lgc=True TS2.3SVDiag_MtrDrvInitStartTime_mS_M_u32p0=min TS2.4SVDiag_MtrDrvInitStartTime_mS_M_u32p0=max TS2.53VDiag_MtrDrvInitStartTime_mS_M_u32p0=nox TS2.55VDiag_MtrDrvInitStartTime_mS_M_u32p0=pos TS2.6Rte_Call_SystemTime_GetSystemTime_mS_u32=min TS2.7Rte_Call_SystemTime_GetSystemTime_mS_u32=max TS2.8Rte_Call_SystemTime_GetSystemTime_mS_u32=pos TS2.9Rte_Call_SystemTime_DtrmnElapsedTime_mS_u16=min TS2.10Rte_Call_SystemTime_DtrmnElapsedTime_mS_u16=max TS2.11Rte_Call_SystemTime_DtrmnElapsedTime_mS_u16=pos TS2.12All Min TS2.13All Max

Test Step 2.1 (Repeat Count = 1)			✓
Name	Input Value		
Rte_Call_Sa_MtrDrvDiag_SystemTime_DtrmnElapsedTime_mS_u16(ElapsedTime	target_Rte_Call_Sa_MtrDrvDiag_SystemTin	ne_DtrmnElapsedTime_mS_u16_ElapsedTime	
Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_mS_u32(CurrentTime)	tgt_Rte_Call_Sa_MtrDrvDiag_SystemTime_	GetSystemTime_mS_u32_Curr	
Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32(CurrentTime)	tgt_Rte_Call_Sa_MtrDrvDiag_SystemTime_	GetSystemTime_uS_u32_Curr	
SVDiag_MtrDrvInitActive_Cnt_M_lgc	0		
SVDiag_MtrDrvInitStartTime_mS_M_u32p0	3125		
target_Rte_Call_Sa_MtrDrvDiag_SystemTime_DtrmnElapsedTime_mS_u16_Elaps	se 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				V
Actual Function	Count	Expected Function	Count	Result
Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_mS_u32	1	Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_mS_u32	1	~
Rte_Call_Sa_MtrDrvDiag_SystemTime_DtrmnElapsedTime_mS_u16	1	Rte_Call_Sa_MtrDrvDiag_SystemTime_DtrmnElapsedTime_mS_u16	1	~
ResetGateDrive	1	ResetGateDrive	1	~
SuspendAllInterrupts	1	SuspendAllInterrupts	1	✓
Rte_Call_Sa_MtrDrvDiag_FetDrvReset_OP_SET	1	Rte_Call_Sa_MtrDrvDiag_FetDrvReset_OP_SET	1	•
GateDrvWaitTime	1	GateDrvWaitTime	1	•
Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32	1	Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32	1	•
Rte_Call_Sa_MtrDrvDiag_SystemTime_DtrmnElapsedTime_uS_u16	1	Rte_Call_Sa_MtrDrvDiag_SystemTime_DtrmnElapsedTime_uS_u16	1	✓
Rte_Call_Sa_MtrDrvDiag_FetDrvReset_OP_SET	1	Rte_Call_Sa_MtrDrvDiag_FetDrvReset_OP_SET	1	~
ResumeAllInterrupts	1	ResumeAllInterrupts	1	✓

Test Step 2.2 (Repeat Count = 1)			~
Name	Input Value		
Rte_Call_Sa_MtrDrvDiag_SystemTime_DtrmnElapsedTime_mS_u16(ElapsedTime)	target_Rte_Call_Sa_MtrDrvDiag_SystemTim	e_DtrmnElapsedTime_mS_u16_ElapsedTime	
Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_mS_u32(CurrentTime)	tgt_Rte_Call_Sa_MtrDrvDiag_SystemTime_0	GetSystemTime_mS_u32_Curr	
Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32(CurrentTime)	tgt_Rte_Call_Sa_MtrDrvDiag_SystemTime_0	GetSystemTime_uS_u32_Curr	
SVDiag_MtrDrvInitActive_Cnt_M_lgc	1		
SVDiag_MtrDrvInitStartTime_mS_M_u32p0	747		
$target_Rte_Call_Sa_MtrDrvDiag_SystemTime_DtrmnElapsedTime_mS_u16_ElapsedTime_mSu16$	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	~

MotorDriverInit

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Name	Actual Value	Expected Value	Result
SVDiag MtrDryInitStartTime mS M u32p0	747	747 ± 1	_

Т				✓
Actual Function	Count	Expected Function	Count	Result
Rte_Call_Sa_MtrDrvDiag_SystemTime_DtrmnElapsedTime_mS_u16	1	Rte_Call_Sa_MtrDrvDiag_SystemTime_DtrmnElapsedTime_mS_u16	1	~
ResetGateDrive	1	ResetGateDrive	1	~
SuspendAllInterrupts	1	SuspendAllInterrupts	1	~
Rte_Call_Sa_MtrDrvDiag_FetDrvReset_OP_SET	1	Rte_Call_Sa_MtrDrvDiag_FetDrvReset_OP_SET	1	~
GateDrvWaitTime	1	GateDrvWaitTime	1	~
Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32	1	Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32	1	~
Rte_Call_Sa_MtrDrvDiag_SystemTime_DtrmnElapsedTime_uS_u16	1	Rte_Call_Sa_MtrDrvDiag_SystemTime_DtrmnElapsedTime_uS_u16	1	•
Rte_Call_Sa_MtrDrvDiag_FetDrvReset_OP_SET	1	Rte_Call_Sa_MtrDrvDiag_FetDrvReset_OP_SET	1	•
ResumeAllInterrupts	1	ResumeAllInterrupts	1	_

Test Step 2.3 (Repeat Count = 1)			✓
Name	Input Value		
Rte_Call_Sa_MtrDrvDiag_SystemTime_DtrmnElapsedTime_mS_u16(ElapsedTime	target_Rte_Call_Sa_MtrDrvDiag_SystemTim	e_DtrmnElapsedTime_mS_u16_ElapsedTime	
Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_mS_u32(CurrentTime)	tgt_Rte_Call_Sa_MtrDrvDiag_SystemTime_0	GetSystemTime_mS_u32_Curr	
Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32(CurrentTime)	tgt_Rte_Call_Sa_MtrDrvDiag_SystemTime_0	GetSystemTime_uS_u32_Curr	
SVDiag_MtrDrvInitActive_Cnt_M_lgc	0		
SVDiag_MtrDrvInitStartTime_mS_M_u32p0	0		
target_Rte_Call_Sa_MtrDrvDiag_SystemTime_DtrmnElapsedTime_mS_u16_Elaps	235		
tgt_Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_mS_u32_Curr	6653		
tgt_Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32_Curr	562		
Name	Actual Value	Expected Value	Result
MotorDriverInit()	1	1	•
SVDiag_MtrDrvInitActive_Cnt_M_lgc	0	0	-
SVDiag_MtrDrvInitStartTime_mS_M_u32p0	6653	6653 ± 1	•

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)			V
Name	Input Value		
Rte_Call_Sa_MtrDrvDiag_SystemTime_DtrmnElapsedTime_mS_u16(ElapsedTime)	target_Rte_Call_Sa_MtrDrvDiag_SystemTim	e_DtrmnElapsedTime_mS_u16_ElapsedTime	
Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_mS_u32(CurrentTime)	tgt_Rte_Call_Sa_MtrDrvDiag_SystemTime_0	GetSystemTime_mS_u32_Curr	
Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32(CurrentTime)	tgt_Rte_Call_Sa_MtrDrvDiag_SystemTime_0	GetSystemTime_uS_u32_Curr	
SVDiag_MtrDrvInitActive_Cnt_M_lgc	0		
SVDiag_MtrDrvInitStartTime_mS_M_u32p0	4294967295		
$target_Rte_Call_Sa_MtrDrvDiag_SystemTime_DtrmnElapsedTime_mS_u16_Elapsetrum = 0.0000000000000000000000000000000000$	755		
tgt_Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_mS_u32_Curr	83462		
tgt_Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32_Curr	231		
Name	Actual Value	Expected Value	Result
MotorDriverInit()	1	1	•
SVDiag_MtrDrvInitActive_Cnt_M_lgc	0	0	-
SVDiag_MtrDrvInitStartTime_mS_M_u32p0	83462	83462 ± 1	~



T	T ✓				
Actual Function	Count	Expected Function	Count	Result	
Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_mS_u32	1	Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_mS_u32	1	~	
Rte_Call_Sa_MtrDrvDiag_SystemTime_DtrmnElapsedTime_mS_u16	1	Rte_Call_Sa_MtrDrvDiag_SystemTime_DtrmnElapsedTime_mS_u16	1	~	
ResetGateDrive	1	ResetGateDrive	1	~	
SuspendAllInterrupts	1	SuspendAllInterrupts	1	•	
Rte_Call_Sa_MtrDrvDiag_FetDrvReset_OP_SET	1	Rte_Call_Sa_MtrDrvDiag_FetDrvReset_OP_SET	1	~	
GateDrvWaitTime	1	GateDrvWaitTime	1	-	
Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32	1	Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32	1	~	
Rte_Call_Sa_MtrDrvDiag_SystemTime_DtrmnElapsedTime_uS_u16	1	Rte_Call_Sa_MtrDrvDiag_SystemTime_DtrmnElapsedTime_uS_u16	1	•	
Rte_Call_Sa_MtrDrvDiag_FetDrvReset_OP_SET	1	Rte_Call_Sa_MtrDrvDiag_FetDrvReset_OP_SET	1	~	
ResumeAllInterrupts	1	ResumeAllInterrupts	1	~	

Test Step 2.5 (Repeat Count = 1)			
Name	Input Value		
Rte_Call_Sa_MtrDrvDiag_SystemTime_DtrmnElapsedTime_mS_u16(ElapsedTime)	target_Rte_Call_Sa_MtrDrvDiag_SystemTim	e_DtrmnElapsedTime_mS_u16_ElapsedTime	
Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_mS_u32(CurrentTime)	tgt_Rte_Call_Sa_MtrDrvDiag_SystemTime_0	GetSystemTime_mS_u32_Curr	
Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32(CurrentTime)	tgt_Rte_Call_Sa_MtrDrvDiag_SystemTime_0	GetSystemTime_uS_u32_Curr	
SVDiag_MtrDrvInitActive_Cnt_M_lgc	0		
SVDiag_MtrDrvInitStartTime_mS_M_u32p0	3125		
target_Rte_Call_Sa_MtrDrvDiag_SystemTime_DtrmnElapsedTime_mS_u16_Elapse	235		
tgt_Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_mS_u32_Curr	6653		
tgt_Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32_Curr	562		
Name	Actual Value	Expected Value	Result
MotorDriverInit()	1	1	~
SVDiag_MtrDrvInitActive_Cnt_M_lgc	0	0	~
SVDiag_MtrDrvInitStartTime_mS_M_u32p0	6653	6653 ± 1	~

Т				
Actual Function	Count	Expected Function	Count	Result
Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_mS_u32	1	Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_mS_u32	1	~
Rte_Call_Sa_MtrDrvDiag_SystemTime_DtrmnElapsedTime_mS_u16	1	Rte_Call_Sa_MtrDrvDiag_SystemTime_DtrmnElapsedTime_mS_u16	1	•
ResetGateDrive	1	ResetGateDrive	1	~
SuspendAllInterrupts	1	SuspendAllInterrupts	1	•
Rte_Call_Sa_MtrDrvDiag_FetDrvReset_OP_SET	1	Rte_Call_Sa_MtrDrvDiag_FetDrvReset_OP_SET	1	•
GateDrvWaitTime	1	GateDrvWaitTime	1	•
Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32	1	Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32	1	•
Rte_Call_Sa_MtrDrvDiag_SystemTime_DtrmnElapsedTime_uS_u16	1	Rte_Call_Sa_MtrDrvDiag_SystemTime_DtrmnElapsedTime_uS_u16	1	•
Rte_Call_Sa_MtrDrvDiag_FetDrvReset_OP_SET	1	Rte_Call_Sa_MtrDrvDiag_FetDrvReset_OP_SET	1	•
ResumeAllInterrupts	1	ResumeAllInterrupts	1	•

Test Step 2.6 (Repeat Count = 1)			✓
Name	Input Value		
Rte_Call_Sa_MtrDrvDiag_SystemTime_DtrmnElapsedTime_mS_u16(ElapsedTime_	target_Rte_Call_Sa_MtrDrvDiag_SystemTin	ne_DtrmnElapsedTime_mS_u16_ElapsedTime	
Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_mS_u32(CurrentTime)	tgt_Rte_Call_Sa_MtrDrvDiag_SystemTime_	GetSystemTime_mS_u32_Curr	
Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32(CurrentTime)	tgt_Rte_Call_Sa_MtrDrvDiag_SystemTime_	GetSystemTime_uS_u32_Curr	
SVDiag_MtrDrvInitActive_Cnt_M_lgc	0		
SVDiag_MtrDrvInitStartTime_mS_M_u32p0	6653		
$target_Rte_Call_Sa_MtrDrvDiag_SystemTime_DtrmnElapsedTime_mS_u16_ElapsedTime_mSu16$	se 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	~



au					
Actual Function	Count	Expected Function	Count	Result	
Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_mS_u32	1	Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_mS_u32	1	~	
Rte_Call_Sa_MtrDrvDiag_SystemTime_DtrmnElapsedTime_mS_u16	1	Rte_Call_Sa_MtrDrvDiag_SystemTime_DtrmnElapsedTime_mS_u16	1	~	
ResetGateDrive	1	ResetGateDrive	1	~	
SuspendAllInterrupts	1	SuspendAllInterrupts	1	~	
Rte_Call_Sa_MtrDrvDiag_FetDrvReset_OP_SET	1	Rte_Call_Sa_MtrDrvDiag_FetDrvReset_OP_SET	1	~	
GateDrvWaitTime	1	GateDrvWaitTime	1	~	
Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32	1	Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32	1	•	
Rte_Call_Sa_MtrDrvDiag_SystemTime_DtrmnElapsedTime_uS_u16	1	Rte_Call_Sa_MtrDrvDiag_SystemTime_DtrmnElapsedTime_uS_u16	1	•	
Rte_Call_Sa_MtrDrvDiag_FetDrvReset_OP_SET	1	Rte_Call_Sa_MtrDrvDiag_FetDrvReset_OP_SET	1	~	
ResumeAllInterrupts	1	ResumeAllInterrupts	1	~	

Test Step 2.7 (Repeat Count = 1)			✓
Name	Input Value		
Rte_Call_Sa_MtrDrvDiag_SystemTime_DtrmnElapsedTime_mS_u16(ElapsedTime)	target_Rte_Call_Sa_MtrDrvDiag_SystemTim	e_DtrmnElapsedTime_mS_u16_ElapsedTime	
Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_mS_u32(CurrentTime)	tgt_Rte_Call_Sa_MtrDrvDiag_SystemTime_0	GetSystemTime_mS_u32_Curr	
Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32(CurrentTime)	tgt_Rte_Call_Sa_MtrDrvDiag_SystemTime_0	GetSystemTime_uS_u32_Curr	
SVDiag_MtrDrvInitActive_Cnt_M_lgc	0		
SVDiag_MtrDrvInitStartTime_mS_M_u32p0	83462		
$target_Rte_Call_Sa_MtrDrvDiag_SystemTime_DtrmnElapsedTime_mS_u16_ElapsedTime_mSu16$	107		
tgt_Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_mS_u32_Curr	4294967295		
tgt_Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32_Curr	3961		
Name	Actual Value	Expected Value	Result
MotorDriverInit()	1	1	~
SVDiag_MtrDrvInitActive_Cnt_M_lgc	0	0	~
SVDiag_MtrDrvInitStartTime_mS_M_u32p0	4294967295	4294967295 ± 1	~

T				
Astro-I Franctica	0	Formanda di Formatica	0	D16
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)			V
Name	Input Value		
Rte_Call_Sa_MtrDrvDiag_SystemTime_DtrmnElapsedTime_mS_u16(ElapsedTime_	e) target_Rte_Call_Sa_MtrDrvDiag_SystemTir	me_DtrmnElapsedTime_mS_u16_ElapsedTime)
Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_mS_u32(CurrentTime)	tgt_Rte_Call_Sa_MtrDrvDiag_SystemTime_	_GetSystemTime_mS_u32_Curr	
Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32(CurrentTime)	tgt_Rte_Call_Sa_MtrDrvDiag_SystemTime_	_GetSystemTime_uS_u32_Curr	
SVDiag_MtrDrvInitActive_Cnt_M_lgc	0		
SVDiag_MtrDrvInitStartTime_mS_M_u32p0	1233		
target_Rte_Call_Sa_MtrDrvDiag_SystemTime_DtrmnElapsedTime_mS_u16_Elaps	s∈ 455		
tgt_Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_mS_u32_Curr	66547		
tgt_Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32_Curr	4707		
Name	Actual Value	Expected Value	Result
MotorDriverInit()	1	1	~
SVDiag_MtrDrvInitActive_Cnt_M_lgc	0	0	~
SVDiag MtrDrvInitStartTime mS M u32p0	66547	66547 ± 1	✓



au					
Actual Function	Count	Expected Function	Count	Result	
Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_mS_u32	1	Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_mS_u32	1	~	
Rte_Call_Sa_MtrDrvDiag_SystemTime_DtrmnElapsedTime_mS_u16	1	Rte_Call_Sa_MtrDrvDiag_SystemTime_DtrmnElapsedTime_mS_u16	1	~	
ResetGateDrive	1	ResetGateDrive	1	~	
SuspendAllInterrupts	1	SuspendAllInterrupts	1	~	
Rte_Call_Sa_MtrDrvDiag_FetDrvReset_OP_SET	1	Rte_Call_Sa_MtrDrvDiag_FetDrvReset_OP_SET	1	~	
GateDrvWaitTime	1	GateDrvWaitTime	1	~	
Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32	1	Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32	1	•	
Rte_Call_Sa_MtrDrvDiag_SystemTime_DtrmnElapsedTime_uS_u16	1	Rte_Call_Sa_MtrDrvDiag_SystemTime_DtrmnElapsedTime_uS_u16	1	•	
Rte_Call_Sa_MtrDrvDiag_FetDrvReset_OP_SET	1	Rte_Call_Sa_MtrDrvDiag_FetDrvReset_OP_SET	1	~	
ResumeAllInterrupts	1	ResumeAllInterrupts	1	~	

Test Step 2.9 (Repeat Count = 1)			V
Name	Input Value		
Rte_Call_Sa_MtrDrvDiag_SystemTime_DtrmnElapsedTime_mS_u16(ElapsedTime	target_Rte_Call_Sa_MtrDrvDiag_SystemTim	ne_DtrmnElapsedTime_mS_u16_ElapsedTime	
Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_mS_u32(CurrentTime)	tgt_Rte_Call_Sa_MtrDrvDiag_SystemTime_0	GetSystemTime_mS_u32_Curr	
Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32(CurrentTime)	tgt_Rte_Call_Sa_MtrDrvDiag_SystemTime_0	GetSystemTime_uS_u32_Curr	
SVDiag_MtrDrvInitActive_Cnt_M_lgc	1		
SVDiag_MtrDrvInitStartTime_mS_M_u32p0	832		
target_Rte_Call_Sa_MtrDrvDiag_SystemTime_DtrmnElapsedTime_mS_u16_Elaps	0		
tgt_Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_mS_u32_Curr	562		
tgt_Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32_Curr	5453		
Name	Actual Value	Expected Value	Result
MotorDriverInit()	0	0	~
SVDiag_MtrDrvInitActive_Cnt_M_lgc	1	1	~
SVDiag_MtrDrvInitStartTime_mS_M_u32p0	832	832 ± 1	~

T				✓
Actual Function	Count	Expected Function	Count	Result
Rte_Call_Sa_MtrDrvDiag_SystemTime_DtrmnElapsedTime_mS_u16	1	Rte_Call_Sa_MtrDrvDiag_SystemTime_DtrmnElapsedTime_mS_u16	1	~

Test Step 2.10 (Repeat Count = 1)			✓
Name	Input Value		
Rte_Call_Sa_MtrDrvDiag_SystemTime_DtrmnElapsedTime_mS_u16(ElapsedTime)	target_Rte_Call_Sa_MtrDrvDiag_SystemTim	e_DtrmnElapsedTime_mS_u16_ElapsedTime	
Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_mS_u32(CurrentTime)	tgt_Rte_Call_Sa_MtrDrvDiag_SystemTime_0	GetSystemTime_mS_u32_Curr	
Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32(CurrentTime)	tgt_Rte_Call_Sa_MtrDrvDiag_SystemTime_0	GetSystemTime_uS_u32_Curr	
SVDiag_MtrDrvInitActive_Cnt_M_lgc	0		
SVDiag_MtrDrvInitStartTime_mS_M_u32p0	4234		
target_Rte_Call_Sa_MtrDrvDiag_SystemTime_DtrmnElapsedTime_mS_u16_Elapse	65535		
tgt_Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_mS_u32_Curr	231		
tgt_Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32_Curr	6199		
Name	Actual Value	Expected Value	Result
MotorDriverInit()	1	1	~
SVDiag_MtrDrvInitActive_Cnt_M_lgc	0	0	✓
SVDiag_MtrDrvInitStartTime_mS_M_u32p0	231	231 ± 1	~

T →				
Actual Function	Count	Expected Function	Count	Result
Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_mS_u32	1	Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_mS_u32	1	~
Rte_Call_Sa_MtrDrvDiag_SystemTime_DtrmnElapsedTime_mS_u16	1	Rte_Call_Sa_MtrDrvDiag_SystemTime_DtrmnElapsedTime_mS_u16	1	~
ResetGateDrive	1	ResetGateDrive	1	~
SuspendAllInterrupts	1	SuspendAllInterrupts	1	✓
Rte_Call_Sa_MtrDrvDiag_FetDrvReset_OP_SET	1	Rte_Call_Sa_MtrDrvDiag_FetDrvReset_OP_SET	1	~
GateDrvWaitTime	1	GateDrvWaitTime	1	✓
Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32	1	Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32	1	~
Rte_Call_Sa_MtrDrvDiag_SystemTime_DtrmnElapsedTime_uS_u16	1	Rte_Call_Sa_MtrDrvDiag_SystemTime_DtrmnElapsedTime_uS_u16	1	~
Rte_Call_Sa_MtrDrvDiag_FetDrvReset_OP_SET	1	Rte_Call_Sa_MtrDrvDiag_FetDrvReset_OP_SET	1	~
ResumeAllInterrupts	1	ResumeAllInterrupts	1	~

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

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MotorDriverInit

Name	Input Value		
Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_mS_u32(CurrentTime)	tgt_Rte_Call_Sa_MtrDrvDiag_SystemTime_0	GetSystemTime_mS_u32_Curr	
Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32(CurrentTime)	tgt_Rte_Call_Sa_MtrDrvDiag_SystemTime_0	GetSystemTime_uS_u32_Curr	
SVDiag_MtrDrvInitActive_Cnt_M_lgc	1		
SVDiag_MtrDrvInitStartTime_mS_M_u32p0	344		
$target_Rte_Call_Sa_MtrDrvDiag_SystemTime_DtrmnElapsedTime_mS_u16_Ela$	20		
tgt_Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_mS_u32_Curr	1233		
tgt_Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32_Curr	3961		
Name	Actual Value	Expected Value	Result
MotorDriverInit()	1	1	~
SVDiag_MtrDrvInitActive_Cnt_M_lgc	0	0	~
SVDiag_MtrDrvInitStartTime_mS_M_u32p0	344	344 ± 1	~

T				
Actual Function	Count	Expected Function	Count	Result
Rte_Call_Sa_MtrDrvDiag_SystemTime_DtrmnElapsedTime_mS_u16	1	Rte_Call_Sa_MtrDrvDiag_SystemTime_DtrmnElapsedTime_mS_u16	1	~
ResetGateDrive	1	ResetGateDrive	1	•
SuspendAllInterrupts	1	SuspendAllInterrupts	1	~
Rte_Call_Sa_MtrDrvDiag_FetDrvReset_OP_SET	1	Rte_Call_Sa_MtrDrvDiag_FetDrvReset_OP_SET	1	~
GateDrvWaitTime	1	GateDrvWaitTime	1	~
Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32	1	Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32	1	✓
Rte_Call_Sa_MtrDrvDiag_SystemTime_DtrmnElapsedTime_uS_u16	1	Rte_Call_Sa_MtrDrvDiag_SystemTime_DtrmnElapsedTime_uS_u16	1	~
Rte_Call_Sa_MtrDrvDiag_FetDrvReset_OP_SET	1	Rte_Call_Sa_MtrDrvDiag_FetDrvReset_OP_SET	1	~
ResumeAllInterrupts	1	ResumeAllInterrupts	1	~

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

Τ				✓
Actual Function	Count	Expected Function	Count	Result
Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_mS_u32	1	Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_mS_u32	1	~
Rte_Call_Sa_MtrDrvDiag_SystemTime_DtrmnElapsedTime_mS_u16	1	Rte_Call_Sa_MtrDrvDiag_SystemTime_DtrmnElapsedTime_mS_u16	1	✓

Name	Input Value		
Rte Call Sa MtrDrvDiag SystemTime DtrmnElapsedTime mS u16(ElapsedTime	•	ne_DtrmnElapsedTime_mS_u16_ElapsedTime	
Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_mS_u32(CurrentTime)	tgt_Rte_Call_Sa_MtrDrvDiag_SystemTime_	·	
Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32(CurrentTime)	tgt_Rte_Call_Sa_MtrDrvDiag_SystemTime_	•	
SVDiag_MtrDrvInitActive_Cnt_M_lgc	1		
SVDiag_MtrDrvInitStartTime_mS_M_u32p0	4294967295		
target_Rte_Call_Sa_MtrDrvDiag_SystemTime_DtrmnElapsedTime_mS_u16_Elaps	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				V
Actual Function	Count	Expected Function	Count	Result
Rte_Call_Sa_MtrDrvDiag_SystemTime_DtrmnElapsedTime_mS_u16	1	Rte_Call_Sa_MtrDrvDiag_SystemTime_DtrmnElapsedTime_mS_u16	1	~
ResetGateDrive	1	ResetGateDrive	1	•
SuspendAllInterrupts	1	SuspendAllInterrupts	1	•
Rte_Call_Sa_MtrDrvDiag_FetDrvReset_OP_SET	1	Rte_Call_Sa_MtrDrvDiag_FetDrvReset_OP_SET	1	•
GateDrvWaitTime	1	GateDrvWaitTime	1	•
Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32	1	Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32	1	•
Rte_Call_Sa_MtrDrvDiag_SystemTime_DtrmnElapsedTime_uS_u16	1	Rte_Call_Sa_MtrDrvDiag_SystemTime_DtrmnElapsedTime_uS_u16	1	•
Rte_Call_Sa_MtrDrvDiag_FetDrvReset_OP_SET	1	Rte_Call_Sa_MtrDrvDiag_FetDrvReset_OP_SET	1	•
ResumeAllInterrupts	1	ResumeAllInterrupts	1	•

Test Case 3: Path Test

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

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

Description Vector Description

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

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

Test Step 3.1 (Repeat Count = 1)			
Name	Input Value		
$Rte_Call_Sa_MtrDrvDiag_SystemTime_DtrmnElapsedTime_mS_u16 (ElapsedTime_ms_u16) (ElapsedTime$	target_Rte_Call_Sa_MtrDrvDiag_SystemTim	e_DtrmnElapsedTime_mS_u16_ElapsedTime	
Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_mS_u32(CurrentTime)	tgt_Rte_Call_Sa_MtrDrvDiag_SystemTime_0	GetSystemTime_mS_u32_Curr	
Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32(CurrentTime)	tgt_Rte_Call_Sa_MtrDrvDiag_SystemTime_0	GetSystemTime_uS_u32_Curr	
SVDiag_MtrDrvInitActive_Cnt_M_lgc	0		
SVDiag_MtrDrvInitStartTime_mS_M_u32p0	3125		
target_Rte_Call_Sa_MtrDrvDiag_SystemTime_DtrmnElapsedTime_mS_u16_Elaps	235		
tgt_Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_mS_u32_Curr	6653		
tgt_Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32_Curr	562		
Name	Actual Value	Expected Value	Result
MotorDriverInit()	1	1	-
SVDiag_MtrDrvInitActive_Cnt_M_lgc	0	0	-
SVDiag_MtrDrvInitStartTime_mS_M_u32p0	6653	6653 ± 1	•

T				V
Actual Function	Count	Expected Function	Count	Result
Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_mS_u32	1	Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_mS_u32	1	~
Rte_Call_Sa_MtrDrvDiag_SystemTime_DtrmnElapsedTime_mS_u16	1	Rte_Call_Sa_MtrDrvDiag_SystemTime_DtrmnElapsedTime_mS_u16	1	~
ResetGateDrive	1	ResetGateDrive	1	~
SuspendAllInterrupts	1	SuspendAllInterrupts	1	~
Rte_Call_Sa_MtrDrvDiag_FetDrvReset_OP_SET	1	Rte_Call_Sa_MtrDrvDiag_FetDrvReset_OP_SET	1	~
GateDrvWaitTime	1	GateDrvWaitTime	1	~
Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32	1	Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32	1	~
Rte_Call_Sa_MtrDrvDiag_SystemTime_DtrmnElapsedTime_uS_u16	1	Rte_Call_Sa_MtrDrvDiag_SystemTime_DtrmnElapsedTime_uS_u16	1	~
Rte_Call_Sa_MtrDrvDiag_FetDrvReset_OP_SET	1	Rte_Call_Sa_MtrDrvDiag_FetDrvReset_OP_SET	1	•
ResumeAllInterrupts	1	ResumeAllInterrupts	1	~

Test Step 3.2 (Repeat Count = 1)			~
Name	Input Value		
$Rte_Call_Sa_MtrDrvDiag_SystemTime_DtrmnElapsedTime_mS_u16 (ElapsedTime)$	target_Rte_Call_Sa_MtrDrvDiag_SystemTim	e_DtrmnElapsedTime_mS_u16_ElapsedTime	
Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_mS_u32(CurrentTime)	tgt_Rte_Call_Sa_MtrDrvDiag_SystemTime_0	GetSystemTime_mS_u32_Curr	
Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32(CurrentTime)	tgt_Rte_Call_Sa_MtrDrvDiag_SystemTime_0	GetSystemTime_uS_u32_Curr	
SVDiag_MtrDrvInitActive_Cnt_M_lgc	1		
SVDiag_MtrDrvInitStartTime_mS_M_u32p0	747		
$target_Rte_Call_Sa_MtrDrvDiag_SystemTime_DtrmnElapsedTime_mS_u16_ElapsetElaps$	755		
tgt_Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_mS_u32_Curr	83462		
tgt_Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32_Curr	231		
Name	Actual Value	Expected Value	Result
MotorDriverInit()	1	1	-

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MotorDriverInit

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

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_SystemTim	e_DtrmnElapsedTime_mS_u16_ElapsedTime	
Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_mS_u32(CurrentTime)	tgt_Rte_Call_Sa_MtrDrvDiag_SystemTime_0	GetSystemTime_mS_u32_Curr	
Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32(CurrentTime)	tgt_Rte_Call_Sa_MtrDrvDiag_SystemTime_0	GetSystemTime_uS_u32_Curr	
SVDiag_MtrDrvInitActive_Cnt_M_lgc	1		
SVDiag_MtrDrvInitStartTime_mS_M_u32p0	832		
$target_Rte_Call_Sa_MtrDrvDiag_SystemTime_DtrmnElapsedTime_mS_u16_ElapsedTime_mSu16$	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	~

Τ				V
Actual Function	Count	Expected Function	Count	Result
Rte_Call_Sa_MtrDrvDiag_SystemTime_DtrmnElapsedTime_mS_u16	1	Rte_Call_Sa_MtrDrvDiag_SystemTime_DtrmnElapsedTime_mS_u16	1	~

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MtrDrvDiag_Trns1

 Project
 MtrDrvDiag

 Module
 MtrDrvDiag

 Test Object
 MtrDrvDiag_Trns1

Instrumentation: Test Object Only

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

Statistics

Total Testcases	1	
Successful	1	~
Failed	0	
Not Executed	0	

Module Properties

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

Name	Text
Module 'MtrDrvDiag'	Name of Tester: Spoorti Mali Code File(s) Under Test: Sa_MtrDrvDiag.c Code File(s) Version: 22 Module Design Document:Motor_Driver_Diagnostics_MDD.doc Module Design Document Version: 11 Data Dictionary Version: 11 Unit Test Plan Version: 3 Optimization Level:Level 2 Compiler (CodeGen) Version: TMS470_4.9.5 Model Type: Excel Macro Model Version:Nexteer EPS Unit Test Tool 2.7d/ EPS Library 1.31 Total FLASH Used (Bytes): 1334 Total RAM Used (Bytes): 137 Total CALS Used (Bytes): 50 Special Test Requirements: Test Date:01-29-2015 Comments: Note 1:Inline function defined in ""Gloabalmacro.h"" is not unit Tested.
	Note 2:In ""GateDrvWaitTime" function extra code is added in VBA, to exit the while loop and to replicate the usercode functionality of TESSY.
	Note 3:In ""ReadMtrDrvFitData""function, ""DataHigh_Cnt_T_lgc"" temporary variable and ""Rte_Call_SystemTime_DtrmnElapsedTime_uS_u16"" stub are used as ""DataHigh_Cnt_T_lgc_Array[10]"" and ""Rte_Call_FetFit1Data_OP_GET_Array[11]"" to replicate the usercode functionality of TESSY.
	Note 4:In functions ""ProcGateDriveFit"", ""ProcBridgeFit"", ""MtrDrvDiag_Per1"",""ReadMtrDrvFltData"" functions, ""Rte_Call_SystemTime_DtrmnElapsedTime_uS_u16""is not tested with its Min value, to avoid the infinite loop.
	Note 5:""CBD_Sandbox_dbg.map"" file is embedded for reference."

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

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MtrDrvDiag_Trns1



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.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	

MtrDrvDiag_Trns1

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Test Case 1: Path Test

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ProcGateDriveFlt

Project	MtrDrvDiag
Module	MtrDrvDiag
Test Object	ProcGateDriveFlt

Instrumentation: Test Object Only

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

Statistics

Total Testcases	3	
Successful	3	~
Failed	0	
Not Executed	0	

Module Properties

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

Comments/Description/Specification		
Name Text	xt	

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ProcGateDriveFlt



Module 'MtrDrvDiag'

Name of Tester: Spoorti Mali
Code File(s) Under Test: Sa_MtrDrvDiag.c
Code File(s) Version: 22
Module Design Document:Motor_Driver_Diagnostics_MDD.doc
Module Design Document Version: 11
Data Dictionary Version: 11
Unit Test Plan Version: 3
Optimization Level:Level 2
Compiler (CodeGen) Version: TMS470_4.9.5
Model Type: Excel Macro
Model Version:Nexteer EPS Unit Test Tool 2.7d/ EPS Library 1.31
Total FLASH Used (Bytes): 1334
Total RAM Used (Bytes): 17
Total CALS Used (Bytes): 50
Special Test Requirements:
Test Date:01-29-2015
Comments:

Note 1:Inline functiona



Test Case 1: Metrics Test

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

TC1.1 62 Cycles TC1.2 1213900 Cycles

Description Vector Description

TS1.1"Shortest execution path:

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

TS1.2"|| Onsert execution path:

TS1.2"Longest execution path:

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

Test Step 1.1 (Repeat Count = 1)			✓
Name	Input Value		
FF2Set_Cnt_T_lgc	1		
GateDriveFltAccPtr_Cnt_T_u16	tgt_GateDriveFltAccPtr_Cnt_T_u16		
Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32(CurrentTime)	tgt_Rte_Call_Sa_MtrDrvDiag_Syste	emTime_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	~

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

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Actual Function	Count	Expected Function	Count	Result
Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32	1	Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32	1	~
Rte_Call_Sa_MtrDrvDiag_SystemTime_DtrmnElapsedTime_uS_u16	1	Rte_Call_Sa_MtrDrvDiag_SystemTime_DtrmnElapsedTime_uS_u16	1	~
Rte_Call_Sa_MtrDrvDiag_FetFlt2Clk_OP_SET	1	Rte_Call_Sa_MtrDrvDiag_FetFlt2Clk_OP_SET	1	•
GateDrvWaitTime	1	GateDrvWaitTime	1	~
Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32	1	Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32	1	~
Rte_Call_Sa_MtrDrvDiag_SystemTime_DtrmnElapsedTime_uS_u16	253	Rte_Call_Sa_MtrDrvDiag_SystemTime_DtrmnElapsedTime_uS_u16	253	~
Rte_Call_Sa_MtrDrvDiag_FetFlt1Data_OP_GET	1	Rte_Call_Sa_MtrDrvDiag_FetFlt1Data_OP_GET	1	~
Rte_Call_Sa_MtrDrvDiag_FetFlt2Clk_OP_SET	1	Rte_Call_Sa_MtrDrvDiag_FetFlt2Clk_OP_SET	1	~
GateDrvWaitTime	1	GateDrvWaitTime	1	~
Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32	1	Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32	1	~
Rte_Call_Sa_MtrDrvDiag_SystemTime_DtrmnElapsedTime_uS_u16	1	Rte_Call_Sa_MtrDrvDiag_SystemTime_DtrmnElapsedTime_uS_u16	1	~
Rte_Call_Sa_MtrDrvDiag_FetFlt2Clk_OP_SET	1	Rte_Call_Sa_MtrDrvDiag_FetFlt2Clk_OP_SET	1	~
GateDrvWaitTime	1	GateDrvWaitTime	1	~
Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32	1	Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32	1	~
Rte_Call_Sa_MtrDrvDiag_SystemTime_DtrmnElapsedTime_uS_u16	1	Rte_Call_Sa_MtrDrvDiag_SystemTime_DtrmnElapsedTime_uS_u16	1	~
Rte_Call_Sa_MtrDrvDiag_FetFlt1Data_OP_GET	1	Rte_Call_Sa_MtrDrvDiag_FetFlt1Data_OP_GET	1	~
Rte_Call_Sa_MtrDrvDiag_FetFlt2Clk_OP_SET	1	Rte_Call_Sa_MtrDrvDiag_FetFlt2Clk_OP_SET	1	~
GateDrvWaitTime	1	GateDrvWaitTime	1	~
Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32	1	Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32	1	~
Rte_Call_Sa_MtrDrvDiag_SystemTime_DtrmnElapsedTime_uS_u16	1	Rte_Call_Sa_MtrDrvDiag_SystemTime_DtrmnElapsedTime_uS_u16	1	~
Rte_Call_Sa_MtrDrvDiag_IoHwAbPortConfig_SetFetFlt2ToOutput	1	Rte_Call_Sa_MtrDrvDiag_loHwAbPortConfig_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_Syste	mTime_GetSystemTime_uS_u32_Curr	
SVDiag_FETFaultPhase_Cnt_M_enum	0		
SVDiag_FETFaultType_Cnt_M_enum	0		
k_GateDriveDiag_Cnt_str.Threshold	134		
k_GateDriveDiag_Cnt_str.PStep	5632		
tgt_GateDriveFltAccPtr_Cnt_T_u16	563		
tgt_Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32_Curr	5000		
Name	Actual Value	Expected Value	Result
Rte_Call_Sa_MtrDrvDiag_NxtrDiagMgr_SetNTCStatus(NTC_Cnt_T_enum)	77	77	*
Rte_Call_Sa_MtrDrvDiag_NxtrDiagMgr_SetNTCStatus(Param_Cnt_T_u08)	1	1	✓
Rte_Call_Sa_MtrDrvDiag_NxtrDiagMgr_SetNTCStatus(Status_Cnt_T_enum)	1	1	~
SVDiag_FETFaultPhase_Cnt_M_enum	0	0	~
SVDiag_FETFaultType_Cnt_M_enum	0	0	~
tgt_GateDriveFltAccPtr_Cnt_T_u16	134	134	✓

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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	~

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

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

Test Step 2.3 (Repeat Count = 1)			✓
Name	Input Value		
FF2Set_Cnt_T_lgc	0		
GateDriveFltAccPtr_Cnt_T_u16	tgt_GateDriveFltAccPtr_Cnt_T_u1	6	
Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32(CurrentTime)	tgt_Rte_Call_Sa_MtrDrvDiag_Syst	temTime_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	✓

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

Test Step 2.4 (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_Syste	emTime_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	✓

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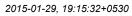
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Actual Function		Expected Function		Result
Rte_Call_Sa_MtrDrvDiag_NxtrDiagMgr_SetNTCStatus	1	Rte_Call_Sa_MtrDrvDiag_NxtrDiagMgr_SetNTCStatus	1	~
ReadMtrDrvFltData	1	ReadMtrDrvFltData	1	V
Rte_Call_Sa_MtrDrvDiag_loHwAbPortConfig_SetFetFlt2ToOutput Rte_Call_Sa_MtrDrvDiag_FetFlt2Clk_OP_SET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





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

Test Step 2.5 (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	✓	

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

Test Step 2.6 (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_System	Time_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	✓

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Actual Function		Expected Function		Result
Rte_Call_Sa_MtrDrvDiag_NxtrDiagMgr_SetNTCStatus	1	Rte_Call_Sa_MtrDrvDiag_NxtrDiagMgr_SetNTCStatus	1	•
ReadMtrDrvFltData	1	ReadMtrDrvFltData	1	•
Rte_Call_Sa_MtrDrvDiag_IoHwAbPortConfig_SetFetFlt2ToOutput	1	Rte_Call_Sa_MtrDrvDiag_IoHwAbPortConfig_SetFetFlt2ToOutput	1	•
Rte_Call_Sa_MtrDrvDiag_FetFlt2Clk_OP_SET	1	Rte_Call_Sa_MtrDrvDiag_FetFlt2Clk_OP_SET	1	
GateDrvWaitTime	1	GateDrvWaitTime Pto Call So MtrDrvDiog SystemTime CotSystemTime us us use	1	
Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32	1	Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32	1	
Rte_Call_Sa_MtrDrvDiag_SystemTime_DtrmnElapsedTime_uS_u16 Rte_Call_Sa_MtrDrvDiag_FetFlt1Data_OP_GET	1	Rte_Call_Sa_MtrDrvDiag_SystemTime_DtrmnElapsedTime_uS_u16 Rte_Call_Sa_MtrDrvDiag_FetFlt1Data_OP_GET	1	
Rte_Call_Sa_MtrDrvDiag_FetFlt2Clk_OP_SET	1	Rte Call Sa MtrDrvDiag FetFlt2Clk OP SET	1	
GateDrvWaitTime	1	GateDrvWaitTime	1	
Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32	1	Rte Call Sa MtrDrvDiag SystemTime GetSystemTime uS u32	1	
Rte Call Sa MtrDrvDiag SystemTime DtrmnElapsedTime uS u16	1	Rte Call Sa MtrDrvDiag SystemTime DtrmnElapsedTime uS u16	1	•
Rte_Call_Sa_MtrDrvDiag_FetFlt2Clk_OP_SET	1	Rte_Call_Sa_MtrDrvDiag_FetFlt2Clk_OP_SET	1	
GateDrvWaitTime	1	GateDrvWaitTime	1	•
Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32	1	Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32	1	_
Rte_Call_Sa_MtrDrvDiag_SystemTime_DtrmnElapsedTime_uS_u16	1	Rte_Call_Sa_MtrDrvDiag_SystemTime_DtrmnElapsedTime_uS_u16	1	-
Rte_Call_Sa_MtrDrvDiag_FetFlt1Data_OP_GET	1	Rte_Call_Sa_MtrDrvDiag_FetFlt1Data_OP_GET	1	-
Rte_Call_Sa_MtrDrvDiag_FetFlt2Clk_OP_SET	1	Rte_Call_Sa_MtrDrvDiag_FetFlt2Clk_OP_SET	1	-
GateDrvWaitTime	1	GateDrvWaitTime	1	-
Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32	1	Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32	1	•
Rte_Call_Sa_MtrDrvDiag_SystemTime_DtrmnElapsedTime_uS_u16	1	Rte_Call_Sa_MtrDrvDiag_SystemTime_DtrmnElapsedTime_uS_u16	1	-
Rte_Call_Sa_MtrDrvDiag_FetFlt2Clk_OP_SET	1	Rte_Call_Sa_MtrDrvDiag_FetFlt2Clk_OP_SET	1	•
GateDrvWaitTime	1	GateDrvWaitTime	1	•
Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32	1	Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32	1	•
Rte_Call_Sa_MtrDrvDiag_SystemTime_DtrmnElapsedTime_uS_u16	253	Rte_Call_Sa_MtrDrvDiag_SystemTime_DtrmnElapsedTime_uS_u16	253	~
Rte_Call_Sa_MtrDrvDiag_FetFlt1Data_OP_GET	1	Rte_Call_Sa_MtrDrvDiag_FetFlt1Data_OP_GET	1	~
Rte_Call_Sa_MtrDrvDiag_FetFlt2Clk_OP_SET	1	Rte_Call_Sa_MtrDrvDiag_FetFlt2Clk_OP_SET	1	•
GateDrvWaitTime	1	GateDrvWaitTime	1	•
Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32	1	Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32	1	•
Rte_Call_Sa_MtrDrvDiag_SystemTime_DtrmnElapsedTime_uS_u16	1	Rte_Call_Sa_MtrDrvDiag_SystemTime_DtrmnElapsedTime_uS_u16	1	•
Rte_Call_Sa_MtrDrvDiag_FetFlt2Clk_OP_SET	1	Rte_Call_Sa_MtrDrvDiag_FetFlt2Clk_OP_SET	1	•
GateDrvWaitTime	1	GateDrvWaitTime	1	\ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \
Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32	1	Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32	1	-
Rte_Call_Sa_MtrDrvDiag_SystemTime_DtrmnElapsedTime_uS_u16 Rte_Call_Sa_MtrDrvDiag_FetFlt1Data_OP_GET	1	Rte_Call_Sa_MtrDrvDiag_SystemTime_DtrmnElapsedTime_uS_u16 Rte_Call_Sa_MtrDrvDiag_FetFlt1Data_OP_GET	1	
Rte_Call_Sa_MtrDrvDiag_FetFlt2Clk_OP_SET	1	Rte_Call_Sa_MtrDrvDiag_FetFlt2Clk_OP_SET	1	
GateDrvWaitTime	1	GateDrvWaitTime	1	
Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32	1	Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32	1	•
Rte Call Sa MtrDrvDiag SystemTime DtrmnElapsedTime uS u16	1	Rte_Call_Sa_MtrDrvDiag_SystemTime_DtrmnElapsedTime_uS_u16	1	
Rte_Call_Sa_MtrDrvDiag_FetFlt2Clk_OP_SET	1	Rte_Call_Sa_MtrDrvDiag_FetFlt2Clk_OP_SET	1	•
GateDrvWaitTime	1	GateDrvWaitTime	1	
Rte Call Sa MtrDrvDiag SystemTime GetSystemTime uS u32	1	Rte Call Sa MtrDrvDiag SystemTime GetSystemTime uS u32	1	-
Rte_Call_Sa_MtrDrvDiag_SystemTime_DtrmnElapsedTime_uS_u16	253	Rte_Call_Sa_MtrDrvDiag_SystemTime_DtrmnElapsedTime_uS_u16	253	-
Rte_Call_Sa_MtrDrvDiag_FetFlt1Data_OP_GET	1	Rte_Call_Sa_MtrDrvDiag_FetFlt1Data_OP_GET	1	-
Rte_Call_Sa_MtrDrvDiag_FetFlt2Clk_OP_SET	1	Rte_Call_Sa_MtrDrvDiag_FetFlt2Clk_OP_SET	1	-
GateDrvWaitTime	1	GateDrvWaitTime	1	-
Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32	1	Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32	1	-
Rte_Call_Sa_MtrDrvDiag_SystemTime_DtrmnElapsedTime_uS_u16	1	Rte_Call_Sa_MtrDrvDiag_SystemTime_DtrmnElapsedTime_uS_u16	1	•
Rte_Call_Sa_MtrDrvDiag_FetFlt2Clk_OP_SET	1	Rte_Call_Sa_MtrDrvDiag_FetFlt2Clk_OP_SET	1	-
GateDrvWaitTime	1	GateDrvWaitTime	1	•
Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32	1	Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32	1	-
Rte_Call_Sa_MtrDrvDiag_SystemTime_DtrmnElapsedTime_uS_u16	1	Rte_Call_Sa_MtrDrvDiag_SystemTime_DtrmnElapsedTime_uS_u16	1	•
Rte_Call_Sa_MtrDrvDiag_FetFlt1Data_OP_GET	1	Rte_Call_Sa_MtrDrvDiag_FetFlt1Data_OP_GET	1	~
Rte_Call_Sa_MtrDrvDiag_FetFlt2Clk_OP_SET	1	Rte_Call_Sa_MtrDrvDiag_FetFlt2Clk_OP_SET	1	•
GateDrvWaitTime	1	GateDrvWaitTime	1	~
Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32	1	Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32	1	-
Rte_Call_Sa_MtrDrvDiag_SystemTime_DtrmnElapsedTime_uS_u16	1	Rte_Call_Sa_MtrDrvDiag_SystemTime_DtrmnElapsedTime_uS_u16	1	_
Rte_Call_Sa_MtrDrvDiag_FetFlt2Clk_OP_SET	1	Rte_Call_Sa_MtrDrvDiag_FetFlt2Clk_OP_SET	1	•
GateDrvWaitTime	1	GateDrvWaitTime	1	-
Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32	1	Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32	1	•
Rte_Call_Sa_MtrDrvDiag_SystemTime_DtrmnElapsedTime_uS_u16	253	Rte_Call_Sa_MtrDrvDiag_SystemTime_DtrmnElapsedTime_uS_u16	253	•
Rte_Call_Sa_MtrDrvDiag_FetFlt1Data_OP_GET	1	Rte_Call_Sa_MtrDrvDiag_FetFlt1Data_OP_GET		•
Rte_Call_Sa_MtrDrvDiag_FetFlt2Clk_OP_SET	1	Rte_Call_Sa_MtrDrvDiag_FetFlt2Clk_OP_SET	1	•
GateDrvWaitTime Pte Call Sa MtrDrvDiag SystemTime GetSystemTime u.S. u.32	1	GateDrvWaitTime Rta Call Sa MtrDrvDiag SystemTime GetSystemTime us us2	1	Ĭ
Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32 Rte_Call_Sa_MtrDrvDiag_SystemTime_DtrmnElapsedTime_uS_u16	1	Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32 Rte_Call_Sa_MtrDrvDiag_SystemTime_DtrmnElapsedTime_uS_u16	1	
Rte_Call_Sa_MtrDrvDiag_SystemTime_DtrmnElapsedTime_uS_u16 Rte_Call_Sa_MtrDrvDiag_FetFlt2Clk_OP_SET	1	Rte_Call_Sa_MtrDrvDiag_SystemTime_DtrmnElapsedTime_uS_u16 Rte_Call_Sa_MtrDrvDiag_FetFlt2Clk_OP_SET	1	Ĭ
Rite_Call_Sa_mitrUrvDlag_FetFit2Clk_OP_SE I GateDrvWaitTime	1	GateDrvWaitTime	1	•
Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32	1	Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32	1	Ĭ
Rte_Call_Sa_MtrDrvDiag_SystemTime_Us_us_us6	1	Rte_Call_Sa_MtrDrvDiag_SystemTime_US_u16	1	
	1	Rte_Call_Sa_MtrDrvDiag_FetFlt1Data_OP_GET	1	
Rte Call Sa MtrDrvDiag FetFlt1Data OP GF1				
Rte_Call_Sa_MtrDrvDiag_FetFlt1Data_OP_GET Rte_Call_Sa_MtrDrvDiag_FetFlt2Clk_OP_SET	1	Rte_Call_Sa_MtrDrvDiag_FetFlt2Clk_OP_SET	1	•

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

Test Step 2.7 (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	✓	

Τ					
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_SystemTim	e_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				V
Actual Function	Count	Expected Function	Count	Result
none	0	*** No Call Expected ***	0	~

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

Τ					
Actual Function	Count	Expected Function	Count	Resu	t
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_u1	6	
Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32(CurrentTime)	tgt_Rte_Call_Sa_MtrDrvDiag_Sys	temTime_GetSystemTime_uS_u32_Curr	
SVDiag_FETFaultPhase_Cnt_M_enum	1		
SVDiag_FETFaultType_Cnt_M_enum	0		
k_GateDriveDiag_Cnt_str.Threshold	123		
k_GateDriveDiag_Cnt_str.PStep	65535		
tgt_GateDriveFltAccPtr_Cnt_T_u16	713		
tgt_Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32_Curr	50000		
Name	Actual Value	Expected Value	Result
Rte_Call_Sa_MtrDrvDiag_NxtrDiagMgr_SetNTCStatus(NTC_Cnt_T_enum)	77	77	~
Rte_Call_Sa_MtrDrvDiag_NxtrDiagMgr_SetNTCStatus(Param_Cnt_T_u08)	4	4	✓
Rte_Call_Sa_MtrDrvDiag_NxtrDiagMgr_SetNTCStatus(Status_Cnt_T_enum)	1	1	~
SVDiag_FETFaultPhase_Cnt_M_enum	1	1	✓
SVDiag_FETFaultType_Cnt_M_enum	1	1	~
tgt GateDriveFltAccPtr Cnt T u16	123	123	✓.

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Actual Function		Expected Function		Result
Rte_Call_Sa_MtrDrvDiag_NxtrDiagMgr_SetNTCStatus	1	Rte_Call_Sa_MtrDrvDiag_NxtrDiagMgr_SetNTCStatus	1	•
ReadMtrDrvFltData	1	ReadMtrDrvFltData	1	•
Rte_Call_Sa_MtrDrvDiag_IoHwAbPortConfig_SetFetFlt2ToOutput	1	Rte_Call_Sa_MtrDrvDiag_IoHwAbPortConfig_SetFetFlt2ToOutput	1	•
Rte_Call_Sa_MtrDrvDiag_FetFlt2Clk_OP_SET	1	Rte_Call_Sa_MtrDrvDiag_FetFlt2Clk_OP_SET	1	
GateDrvWaitTime	1	GateDrvWaitTime	1	
Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32	1	Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32	1	
Rte_Call_Sa_MtrDrvDiag_SystemTime_DtrmnElapsedTime_uS_u16 Rte_Call_Sa_MtrDrvDiag_FetFlt1Data_OP_GET	1	Rte_Call_Sa_MtrDrvDiag_SystemTime_DtrmnElapsedTime_uS_u16 Rte_Call_Sa_MtrDrvDiag_FetFlt1Data_OP_GET	1	
Rte_Call_Sa_MtrDrvDiag_FetFlt2Clk_OP_SET	1	Rte Call Sa MtrDrvDiag FetFlt2Clk OP SET	1	
GateDrvWaitTime	1	GateDrvWaitTime	1	
Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32	1	Rte Call Sa MtrDrvDiag SystemTime GetSystemTime uS u32	1	
Rte Call Sa MtrDrvDiag SystemTime DtrmnElapsedTime uS u16	1	Rte Call Sa MtrDrvDiag SystemTime DtrmnElapsedTime uS u16	1	•
Rte_Call_Sa_MtrDrvDiag_FetFlt2Clk_OP_SET	1	Rte_Call_Sa_MtrDrvDiag_FetFlt2Clk_OP_SET	1	
GateDrvWaitTime	1	GateDrvWaitTime	1	•
Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32	1	Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32	1	_
Rte_Call_Sa_MtrDrvDiag_SystemTime_DtrmnElapsedTime_uS_u16	1	Rte_Call_Sa_MtrDrvDiag_SystemTime_DtrmnElapsedTime_uS_u16	1	-
Rte_Call_Sa_MtrDrvDiag_FetFlt1Data_OP_GET	1	Rte_Call_Sa_MtrDrvDiag_FetFlt1Data_OP_GET	1	-
Rte_Call_Sa_MtrDrvDiag_FetFlt2Clk_OP_SET	1	Rte_Call_Sa_MtrDrvDiag_FetFlt2Clk_OP_SET	1	-
GateDrvWaitTime	1	GateDrvWaitTime	1	-
Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32	1	Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32	1	•
Rte_Call_Sa_MtrDrvDiag_SystemTime_DtrmnElapsedTime_uS_u16	1	Rte_Call_Sa_MtrDrvDiag_SystemTime_DtrmnElapsedTime_uS_u16	1	-
Rte_Call_Sa_MtrDrvDiag_FetFlt2Clk_OP_SET	1	Rte_Call_Sa_MtrDrvDiag_FetFlt2Clk_OP_SET	1	•
GateDrvWaitTime	1	GateDrvWaitTime	1	•
Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32	1	Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32	1	•
Rte_Call_Sa_MtrDrvDiag_SystemTime_DtrmnElapsedTime_uS_u16	253	Rte_Call_Sa_MtrDrvDiag_SystemTime_DtrmnElapsedTime_uS_u16	253	~
Rte_Call_Sa_MtrDrvDiag_FetFlt1Data_OP_GET	1	Rte_Call_Sa_MtrDrvDiag_FetFlt1Data_OP_GET	1	~
Rte_Call_Sa_MtrDrvDiag_FetFlt2Clk_OP_SET	1	Rte_Call_Sa_MtrDrvDiag_FetFlt2Clk_OP_SET	1	•
GateDrvWaitTime	1	GateDrvWaitTime	1	•
Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32	1	Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32	1	•
Rte_Call_Sa_MtrDrvDiag_SystemTime_DtrmnElapsedTime_uS_u16	1	Rte_Call_Sa_MtrDrvDiag_SystemTime_DtrmnElapsedTime_uS_u16	1	•
Rte_Call_Sa_MtrDrvDiag_FetFlt2Clk_OP_SET	1	Rte_Call_Sa_MtrDrvDiag_FetFlt2Clk_OP_SET	1	•
GateDrvWaitTime	1	GateDrvWaitTime	1	\ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \
Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32	1	Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32	1	-
Rte_Call_Sa_MtrDrvDiag_SystemTime_DtrmnElapsedTime_uS_u16 Rte_Call_Sa_MtrDrvDiag_FetFlt1Data_OP_GET	1	Rte_Call_Sa_MtrDrvDiag_SystemTime_DtrmnElapsedTime_uS_u16 Rte_Call_Sa_MtrDrvDiag_FetFlt1Data_OP_GET	1	
Rte_Call_Sa_MtrDrvDiag_FetFlt2Clk_OP_SET	1	Rte_Call_Sa_MtrDrvDiag_FetFlt2Clk_OP_SET	1	
GateDrvWaitTime	1	GateDrvWaitTime	1	
Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32	1	Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32	1	•
Rte Call Sa MtrDrvDiag SystemTime DtrmnElapsedTime uS u16	1	Rte_Call_Sa_MtrDrvDiag_SystemTime_DtrmnElapsedTime_uS_u16	1	
Rte_Call_Sa_MtrDrvDiag_FetFlt2Clk_OP_SET	1	Rte_Call_Sa_MtrDrvDiag_FetFlt2Clk_OP_SET	1	•
GateDrvWaitTime	1	GateDrvWaitTime	1	
Rte Call Sa MtrDrvDiag SystemTime GetSystemTime uS u32	1	Rte Call Sa MtrDrvDiag SystemTime GetSystemTime uS u32	1	-
Rte_Call_Sa_MtrDrvDiag_SystemTime_DtrmnElapsedTime_uS_u16	253	Rte_Call_Sa_MtrDrvDiag_SystemTime_DtrmnElapsedTime_uS_u16	253	-
Rte_Call_Sa_MtrDrvDiag_FetFlt1Data_OP_GET	1	Rte_Call_Sa_MtrDrvDiag_FetFlt1Data_OP_GET	1	-
Rte_Call_Sa_MtrDrvDiag_FetFlt2Clk_OP_SET	1	Rte_Call_Sa_MtrDrvDiag_FetFlt2Clk_OP_SET	1	-
GateDrvWaitTime	1	GateDrvWaitTime	1	-
Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32	1	Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32	1	-
Rte_Call_Sa_MtrDrvDiag_SystemTime_DtrmnElapsedTime_uS_u16	1	Rte_Call_Sa_MtrDrvDiag_SystemTime_DtrmnElapsedTime_uS_u16	1	•
Rte_Call_Sa_MtrDrvDiag_FetFlt2Clk_OP_SET	1	Rte_Call_Sa_MtrDrvDiag_FetFlt2Clk_OP_SET	1	-
GateDrvWaitTime	1	GateDrvWaitTime	1	•
Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32	1	Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32	1	-
Rte_Call_Sa_MtrDrvDiag_SystemTime_DtrmnElapsedTime_uS_u16	1	Rte_Call_Sa_MtrDrvDiag_SystemTime_DtrmnElapsedTime_uS_u16	1	•
Rte_Call_Sa_MtrDrvDiag_FetFlt1Data_OP_GET	1	Rte_Call_Sa_MtrDrvDiag_FetFlt1Data_OP_GET	1	~
Rte_Call_Sa_MtrDrvDiag_FetFlt2Clk_OP_SET	1	Rte_Call_Sa_MtrDrvDiag_FetFlt2Clk_OP_SET	1	•
GateDrvWaitTime	1	GateDrvWaitTime	1	~
Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32	1	Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32	1	-
Rte_Call_Sa_MtrDrvDiag_SystemTime_DtrmnElapsedTime_uS_u16	1	Rte_Call_Sa_MtrDrvDiag_SystemTime_DtrmnElapsedTime_uS_u16	1	_
Rte_Call_Sa_MtrDrvDiag_FetFlt2Clk_OP_SET	1	Rte_Call_Sa_MtrDrvDiag_FetFlt2Clk_OP_SET	1	•
GateDrvWaitTime	1	GateDrvWaitTime	1	-
Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32	1	Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32	1	•
Rte_Call_Sa_MtrDrvDiag_SystemTime_DtrmnElapsedTime_uS_u16	253	Rte_Call_Sa_MtrDrvDiag_SystemTime_DtrmnElapsedTime_uS_u16	253	•
Rte_Call_Sa_MtrDrvDiag_FetFlt1Data_OP_GET	1	Rte_Call_Sa_MtrDrvDiag_FetFlt1Data_OP_GET		•
Rte_Call_Sa_MtrDrvDiag_FetFlt2Clk_OP_SET	1	Rte_Call_Sa_MtrDrvDiag_FetFlt2Clk_OP_SET	1	•
GateDrvWaitTime Pte Call Sa MtrDrvDiag SystemTime GetSystemTime u.S. u.32	1	GateDrvWaitTime Rta Call Sa MtrDrvDiag SystemTime GetSystemTime us us2	1	Ĭ
Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32 Rte_Call_Sa_MtrDrvDiag_SystemTime_DtrmnElapsedTime_uS_u16	1	Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32 Rte_Call_Sa_MtrDrvDiag_SystemTime_DtrmnElapsedTime_uS_u16	1	
Rte_Call_Sa_MtrDrvDiag_SystemTime_DtrmnElapsedTime_uS_u16 Rte_Call_Sa_MtrDrvDiag_FetFlt2Clk_OP_SET	1	Rte_Call_Sa_MtrDrvDiag_SystemTime_DtrmnElapsedTime_uS_u16 Rte_Call_Sa_MtrDrvDiag_FetFlt2Clk_OP_SET	1	Ĭ
Rite_Call_Sa_mitrUrvDlag_FetFit2Clk_OP_SE I GateDrvWaitTime	1	GateDrvWaitTime	1	•
Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32	1	Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32	1	Ĭ
Rte_Call_Sa_MtrDrvDiag_SystemTime_Us_us_us6	1	Rte_Call_Sa_MtrDrvDiag_SystemTime_US_u16	1	
	1	Rte_Call_Sa_MtrDrvDiag_FetFlt1Data_OP_GET	1	
Rte Call Sa MtrDrvDiag FetFlt1Data OP GF1				
Rte_Call_Sa_MtrDrvDiag_FetFlt1Data_OP_GET Rte_Call_Sa_MtrDrvDiag_FetFlt2Clk_OP_SET	1	Rte_Call_Sa_MtrDrvDiag_FetFlt2Clk_OP_SET	1	•

Rte_Call_Sa_MtrDrvDiag_loHwAbPortConfig_SetFetFlt2ToOutput

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

 $Rte_Call_Sa_MtrDrvDiag_loHwAbPortConfig_SetFetFlt2ToOutput$

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

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

Name	Input Value		
	•		
FF2Set_Cnt_T_lgc	0		
GateDriveFltAccPtr_Cnt_T_u16	tgt_GateDriveFltAccPtr_Cnt_T_u1	6	
Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32(CurrentTime)	tgt_Rte_Call_Sa_MtrDrvDiag_Syst	temTime_GetSystemTime_uS_u32_Curr	
SVDiag_FETFaultPhase_Cnt_M_enum	0		
SVDiag_FETFaultType_Cnt_M_enum	0		
k_GateDriveDiag_Cnt_str.Threshold	0		
k_GateDriveDiag_Cnt_str.PStep	0		
tgt_GateDriveFltAccPtr_Cnt_T_u16	0		
tgt_Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32_Curr	0		
Name	Actual Value	Expected Value	Result
Rte_Call_Sa_MtrDrvDiag_NxtrDiagMgr_SetNTCStatus(NTC_Cnt_T_enum)	77	77	✓
Rte_Call_Sa_MtrDrvDiag_NxtrDiagMgr_SetNTCStatus(Param_Cnt_T_u08)	1	1	✓
Rte_Call_Sa_MtrDrvDiag_NxtrDiagMgr_SetNTCStatus(Status_Cnt_T_enum)	1	1	-
SVDiag_FETFaultPhase_Cnt_M_enum	0	0	✓
SVDiag_FETFaultType_Cnt_M_enum	0	0	✓
tgt GateDriveFltAccPtr Cnt T u16	0	0	

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

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

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

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

Test Case 3: Path Test

Specification

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

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

Description

Vector Description

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

Test Step 3.1 (Repeat Count = 1)			Ť
Name	Input Value		
FF2Set_Cnt_T_lgc	0		
GateDriveFltAccPtr_Cnt_T_u16	tgt_GateDriveFltAccPtr_Cnt_T_i	116	
Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32(CurrentTime)	tgt_Rte_Call_Sa_MtrDrvDiag_S	ystemTime_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	✓

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

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

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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		Expected Function		Result
Rte_Call_Sa_MtrDrvDiag_NxtrDiagMgr_SetNTCStatus	1	Rte_Call_Sa_MtrDrvDiag_NxtrDiagMgr_SetNTCStatus	1	~
ReadMtrDrvFltData	1	ReadMtrDrvFltData	1	•
Rte_Call_Sa_MtrDrvDiag_IoHwAbPortConfig_SetFetFlt2ToOutput	1	Rte_Call_Sa_MtrDrvDiag_loHwAbPortConfig_SetFetFlt2ToOutput	1	•
Rte_Call_Sa_MtrDrvDiag_FetFlt2Clk_OP_SET	1	Rte_Call_Sa_MtrDrvDiag_FetFlt2Clk_OP_SET	1	
GateDrvWaitTime	1	GateDrvWaitTime	1	
Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32	1	Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32	1	j
Rte_Call_Sa_MtrDrvDiag_SystemTime_DtrmnElapsedTime_uS_u16 Rte_Call_Sa_MtrDrvDiag_FetFlt1Data_OP_GET	1	Rte_Call_Sa_MtrDrvDiag_SystemTime_DtrmnElapsedTime_uS_u16 Rte_Call_Sa_MtrDrvDiag_FetFlt1Data_OP_GET	1	
Rte_Call_Sa_MtrDrvDiag_FetFlt2Clk_OP_SET	1	Rte Call Sa MtrDrvDiag FetFlt2Clk OP SET	1	
GateDrvWaitTime	1	GateDrvWaitTime	1	
Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32	1	Rte Call Sa MtrDrvDiag SystemTime GetSystemTime uS u32	1	
Rte Call Sa MtrDrvDiag SystemTime DtrmnElapsedTime uS u16	1	Rte Call Sa MtrDrvDiag SystemTime DtrmnElapsedTime uS u16	1	•
Rte_Call_Sa_MtrDrvDiag_FetFlt2Clk_OP_SET	1	Rte_Call_Sa_MtrDrvDiag_FetFlt2Clk_OP_SET	1	
GateDrvWaitTime	1	GateDrvWaitTime	1	•
Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32	1	Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32	1	_
Rte_Call_Sa_MtrDrvDiag_SystemTime_DtrmnElapsedTime_uS_u16	1	Rte_Call_Sa_MtrDrvDiag_SystemTime_DtrmnElapsedTime_uS_u16	1	-
Rte_Call_Sa_MtrDrvDiag_FetFlt1Data_OP_GET	1	Rte_Call_Sa_MtrDrvDiag_FetFlt1Data_OP_GET	1	-
Rte_Call_Sa_MtrDrvDiag_FetFlt2Clk_OP_SET	1	Rte_Call_Sa_MtrDrvDiag_FetFlt2Clk_OP_SET	1	•
GateDrvWaitTime	1	GateDrvWaitTime	1	-
Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32	1	Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32	1	-
Rte_Call_Sa_MtrDrvDiag_SystemTime_DtrmnElapsedTime_uS_u16	1	Rte_Call_Sa_MtrDrvDiag_SystemTime_DtrmnElapsedTime_uS_u16	1	•
Rte_Call_Sa_MtrDrvDiag_FetFlt2Clk_OP_SET	1	Rte_Call_Sa_MtrDrvDiag_FetFlt2Clk_OP_SET	1	•
GateDrvWaitTime	1	GateDrvWaitTime	1	•
Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32	1	Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32	1	•
Rte_Call_Sa_MtrDrvDiag_SystemTime_DtrmnElapsedTime_uS_u16	253	Rte_Call_Sa_MtrDrvDiag_SystemTime_DtrmnElapsedTime_uS_u16	253	-
Rte_Call_Sa_MtrDrvDiag_FetFlt1Data_OP_GET	1	Rte_Call_Sa_MtrDrvDiag_FetFlt1Data_OP_GET	1	-
Rte_Call_Sa_MtrDrvDiag_FetFlt2Clk_OP_SET	1	Rte_Call_Sa_MtrDrvDiag_FetFlt2Clk_OP_SET	1	-
GateDrvWaitTime	1	GateDrvWaitTime	1	-
Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32	1	Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32	1	~
Rte_Call_Sa_MtrDrvDiag_SystemTime_DtrmnElapsedTime_uS_u16	1	Rte_Call_Sa_MtrDrvDiag_SystemTime_DtrmnElapsedTime_uS_u16	1	-
Rte_Call_Sa_MtrDrvDiag_FetFlt2Clk_OP_SET	1	Rte_Call_Sa_MtrDrvDiag_FetFlt2Clk_OP_SET	1	-
GateDrvWaitTime	1	GateDrvWaitTime	1	✓
Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32	1	Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32	1	_
Rte_Call_Sa_MtrDrvDiag_SystemTime_DtrmnElapsedTime_uS_u16	1	Rte_Call_Sa_MtrDrvDiag_SystemTime_DtrmnElapsedTime_uS_u16	1	•
Rte_Call_Sa_MtrDrvDiag_FetFlt1Data_OP_GET	1	Rte_Call_Sa_MtrDrvDiag_FetFlt1Data_OP_GET	1	•
Rte_Call_Sa_MtrDrvDiag_FetFlt2Clk_OP_SET	1	Rte_Call_Sa_MtrDrvDiag_FetFlt2Clk_OP_SET		*
GateDrvWaitTime	1	GateDrvWaitTime	1	•
Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32 Rte_Call_Sa_MtrDrvDiag_SystemTime_DtrmnElapsedTime_uS_u16	1	Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32 Rte_Call_Sa_MtrDrvDiag_SystemTime_DtrmnElapsedTime_uS_u16	1	· ·
Rte_Call_Sa_MtrDrvDiag_FetFlt2Clk_OP_SET	1	Rte_Call_Sa_MtrDrvDiag_FetFlt2Clk_OP_SET	1	
GateDrvWaitTime	1	GateDrvWaitTime	1	
Rte Call Sa MtrDrvDiag SystemTime GetSystemTime uS u32	1	Rte Call Sa MtrDrvDiag SystemTime GetSystemTime uS u32	1	
Rte_Call_Sa_MtrDrvDiag_SystemTime_DtrmnElapsedTime_uS_u16	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	V
Rte_Call_Sa_MtrDrvDiag_FetFlt2Clk_OP_SET	1	Rte_Call_Sa_MtrDrvDiag_FetFlt2Clk_OP_SET	1	
GateDrvWaitTime	1	GateDrvWaitTime	1	•
Rte Call Sa MtrDrvDiag SystemTime GetSystemTime uS u32	1	Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32	1	-
Rte Call Sa MtrDrvDiag SystemTime DtrmnElapsedTime uS u16	1	Rte Call Sa MtrDrvDiag SystemTime DtrmnElapsedTime uS u16	1	-
Rte Call Sa MtrDrvDiag FetFlt2Clk OP SET	1	Rte Call Sa MtrDrvDiag FetFlt2Clk OP SET	1	-
GateDrvWaitTime	1	GateDrvWaitTime	1	-
Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32	1	Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32	1	-
Rte_Call_Sa_MtrDrvDiag_SystemTime_DtrmnElapsedTime_uS_u16	1	Rte_Call_Sa_MtrDrvDiag_SystemTime_DtrmnElapsedTime_uS_u16	1	-
Rte_Call_Sa_MtrDrvDiag_FetFlt1Data_OP_GET	1	Rte_Call_Sa_MtrDrvDiag_FetFlt1Data_OP_GET	1	•
Rte_Call_Sa_MtrDrvDiag_FetFlt2Clk_OP_SET	1	Rte_Call_Sa_MtrDrvDiag_FetFlt2Clk_OP_SET	1	•
GateDrvWaitTime	1	GateDrvWaitTime	1	-
Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32	1	Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32	1	•
Rte_Call_Sa_MtrDrvDiag_SystemTime_DtrmnElapsedTime_uS_u16	1	Rte_Call_Sa_MtrDrvDiag_SystemTime_DtrmnElapsedTime_uS_u16	1	-
Rte_Call_Sa_MtrDrvDiag_FetFlt2Clk_OP_SET	1	Rte_Call_Sa_MtrDrvDiag_FetFlt2Clk_OP_SET	1	•
GateDrvWaitTime	1	GateDrvWaitTime	1	-
Rte_Call_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_GetSystemTime_uS_u32 Rte_Call_Sa_MtrDrvDiag_SystemTime_DtrmnElapsedTime_uS_u16	1	Rte_Call_Sa_MtrDrvDiag_SystemTime_DtrmnElapsedTime_uS_u16	1	
Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32			1 1 1	~

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Actual Function	Count	Expected Function	Count	Result
Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32	1	Rte_Call_Sa_MtrDrvDiag_SystemTime_GetSystemTime_uS_u32	1	•
Rte_Call_Sa_MtrDrvDiag_SystemTime_DtrmnElapsedTime_uS_u16	1	Rte_Call_Sa_MtrDrvDiag_SystemTime_DtrmnElapsedTime_uS_u16	1	~
Rte_Call_Sa_MtrDrvDiag_FetFlt2Clk_OP_SET	1	Rte_Call_Sa_MtrDrvDiag_FetFlt2Clk_OP_SET	1	~
GateDrvWaitTime	1	GateDrvWaitTime	1	~
Rte_Call_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	•	

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