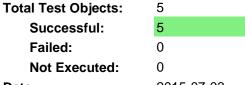
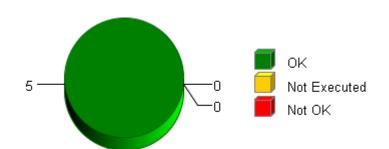


Summary

Overall Test Object Results (including Coverage)







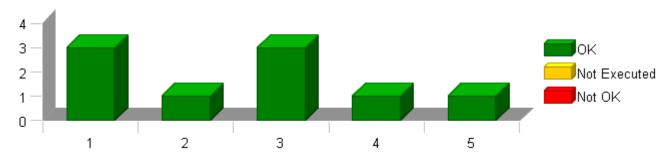
Selected Project Items

Test Collection "C1XX_UnitTest"

Used Test Environments

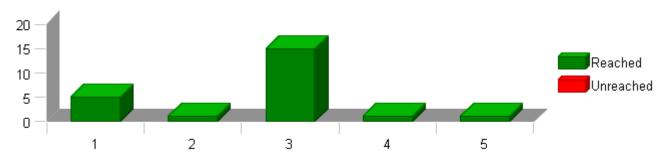
TI TMS 570 PLS UDE (Default)

Test Case Results for Each Test Object (without Coverage)



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

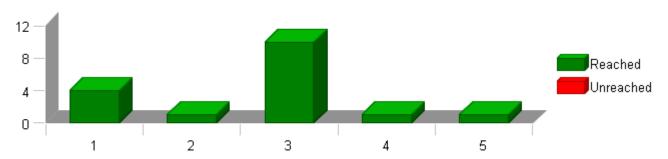
Statement (C0) Coverage: Total Statements for Each Test Object



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

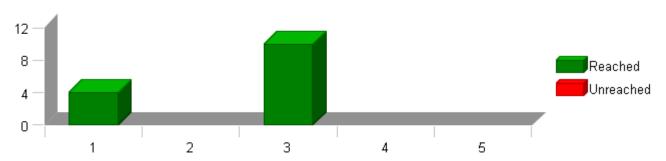


Branch (C1) Coverage: Total Branches for Each Test Object



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

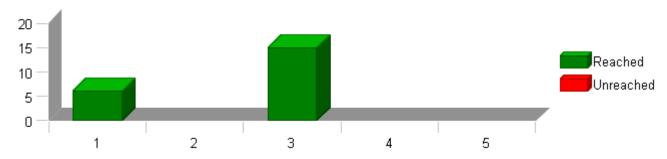
Decision Coverage: Total Decision Outcomes for Each Test Object



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

Each bar is divided into reached and unreached decision outcomes.

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

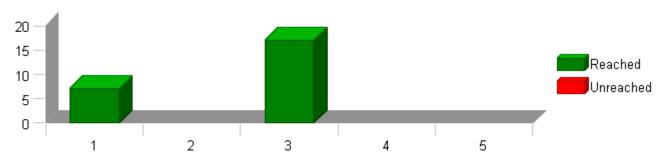


The table above shows test objects on the x axis and the number of condition combinations of all decisions of the respective test object on the y axis. The number of condition combinations is based on the number of boolean conditions within each decision of the test object. To achieve full MC/DC coverage,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

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



MCC Coverage: Total Condition Combinations for Each Test Object



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

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

TEST OVERVIEW REPORT

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Test Object List

Project VehPwrMd

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 F	Result
	VehPwrMd	100 %	100 %	100 %	100 %	100 %	9 of 9 passed	~
	C1XX_UnitTest	100 %	100 %	100 %	100 %	100 %	9 of 9 passed	•
	VehPwrMd	100 %	100 %	100 %	100 %	100 %	9 of 9 passed	~
1	<u>IgnFailureDiag</u>	100 %	100 %	100 %	100 %	100 %	3 of 3 passed	•
2	VehPwrMd_Init1	100 %	100 %	-	-	-	1 of 1 passed	~
3	VehPwrMd_Per1	100 %	100 %	100 %	100 %	100 %	3 of 3 passed	•
4	VehPwrMd Trns1	100 %	100 %	-	-	-	1 of 1 passed	•
5	VehPwrMd Trns2	100 %	100 %	-	-	-	1 of 1 passed	~

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Project	VehPwrMd
Module	VehPwrMd
Test Object	IgnFailureDiag

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\VehPwrMd
Configuration File	D:\Synergy_Work_Area\VehPwrMd\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)\VehPwrMd\src\Ap_VehPwrMd.c
Compiler Options	-Dconst= -D_DATA_ACCESS= -Dstatic= -l\$(PROJECTROOT)\VehPwrMd\utp\contract -l\$(PROJECTROOT)\StdDef\unclude -l\$ (PROJECTROOT)\NxtrLib\unclude -l\$(Compiler Install Path)\unclude -l\$(PROJECTROOT)\VehPwrMd\unclude -l\$(PROJECTROOT) \VehPwrMd\utp\contract\Ap_VehPwrMd

Name	Text
lodule 'VehPwrMd'	Name of Tester:Spoorti Mali Code File(s) Under Test: Ap_VehPwrMd.c Code File(s) Version:2 Module Design Document:Vehicle_Power_Mode_MDD.docx Module Design Document Version:1 Data Dictionary Version:2 Unit Test Plan Version:2 Optimization Level:Level 2 Compiler (CodeGen) Version:TMS470_4.9.5 Model Type:Excel Macro Model Version:Nexteer EPS Unit Test Tool 2.7d/EPS Library 1.32 Total FLASH Used (Bytes):416 Total RAM Used (Bytes):416 Total RAM Used (Bytes):14 Special Test Requirements: Test Date:07-03-2015 Comments:"Note 1: Inline functions defined in globalmacro.h are not unit tested. Note 2: ""CBD_Sandbox_dbg.map""map file is embedded for reference."

Attributes	
Name	Value
Compiler Install Path	<pre>\$(ProgramFiles)\Texas Instruments\ccsv4\tools\compiler\tms470_4.9.5</pre>
Float Precision	9
InitObjDir	\$(PROJECTROOT)\UnitTestEnv\static_build_files\obj
InitSrcDir	\$(PROJECTROOT)\UnitTestEnv\static_build_files\src
Linker File	<pre>\$(PROJECTROOT)\UnitTestEnv\static_build_files\sys_link.cmd</pre>
Makefile Template	<pre>\$(PROJECTROOT)\UnitTestEnv\config\Nexteer_ts_make_ude_ti_tms570.tpl</pre>
Target Install Path	\$(ProgramFiles)\pls\UDE 3.2
Timer Enabled	false
Timer Prescale	0
Timer Resolution	1
Timer Unit	Cycles

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IgnFailureDiag

Attributes						
Name	Value					
UDE Config File	\$(PROJECTROOT)\UnitTestEnv\config\TMS570_UDE_12PIN_JTAG.cfg					
Workspace File	D:\Synergy_Work_Area\VehPwrMd\UnitTestEnv\config\UDE_TMS570_DEBUG.WSP					



Test Case 1: Metrics Test

Specification

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

Cycles:

TS1.1 1039.00 Cycles TS1.2 1119.00 Cycles

Description

Vector Description:

TS1.1 "Shortest Execution Path if (((TRUE == SrlComSPMOn_Cnt_T_lgc)) F&& (FALSE == EPSEn_Cnt_T_lgc))F" TS1.2 "Longest Execution Path if (((TRUE == SrlComSPMOn_Cnt_T_lgc)) F&& (FALSE == EPSEn_Cnt_T_lgc))F" (((TRUE == SrlComEngOn_Cnt_T_lgc))F" (TRUE == SrlComSPMOn_Cnt_T_lgc))F&& (FALSE == EPSEn_Cnt_T_lgc))F"

Test Step 1.1 (Repeat Count = 1)			✓
Name	Input Value		
EPSEn_Cnt_T_lgc	0		
IGNDiagStartTime_mS_M_u32p0	100		
$Rte_Call_Ap_VehPwrMd_SystemTime_DtrmnElapsedTime_mS_u16(ElapsedTime)$	tgt_Rte_Call_Ap_VehPwrMd_SystemTime_[OtrmnElapsedTime_mS_u16_Ela	
Rte_Call_Ap_VehPwrMd_SystemTime_GetSystemTime_mS_u32(CurrentTime)	tgt_Rte_Call_Ap_VehPwrMd_SystemTime_0	GetSystemTime_mS_u32_Curren	
SrlComEngOn_Cnt_T_lgc	0		
SrlComSPMOn_Cnt_T_lgc	0		
k_IGNDiagTime_mS_u16p0	3400		
tgt_Rte_Call_Ap_VehPwrMd_SystemTime_DtrmnElapsedTime_mS_u16_Ela	1230		
tgt_Rte_Call_Ap_VehPwrMd_SystemTime_GetSystemTime_mS_u32_Curren	89089		
Name	Actual Value	Expected Value	Result
IGNDiagStartTime_mS_M_u32p0	89089	89089	~
Rte_Call_Ap_VehPwrMd_NxtrDiagMgr_SetNTCStatus(NTC_Cnt_T_enum)	184	184	~
Rte_Call_Ap_VehPwrMd_NxtrDiagMgr_SetNTCStatus(Param_Cnt_T_u08)	1	1	~
Rte_Call_Ap_VehPwrMd_NxtrDiagMgr_SetNTCStatus(Status_Cnt_T_enum)	0	0	~

Test Step Call Trace						
Actual Function	Count	Expected Function	Count	Result		
Rte_Call_Ap_VehPwrMd_NxtrDiagMgr_SetNTCStatus	1	Rte_Call_Ap_VehPwrMd_NxtrDiagMgr_SetNTCStatus	1	~		
Rte Call Ap VehPwrMd SystemTime GetSystemTime mS u32	1	Rte_Call_Ap_VehPwrMd_SystemTime_GetSystemTime_mS_u32	1	✓		

Test Step 1.2 (Repeat Count = 1)				
Name	Input Value			
EPSEn_Cnt_T_lgc	0			
IGNDiagStartTime_mS_M_u32p0	200			
$Rte_Call_Ap_VehPwrMd_SystemTime_DtrmnElapsedTime_mS_u16(ElapsedTime)$	tgt_Rte_Call_Ap_VehPwrMd_SystemTime_[OtrmnElapsedTime_mS_u16_Ela		
Rte_Call_Ap_VehPwrMd_SystemTime_GetSystemTime_mS_u32(CurrentTime)	tgt_Rte_Call_Ap_VehPwrMd_SystemTime_0	GetSystemTime_mS_u32_Curren		
SrlComEngOn_Cnt_T_lgc	1			
SrlComSPMOn_Cnt_T_lgc	0			
k_IGNDiagTime_mS_u16p0	2500			
tgt_Rte_Call_Ap_VehPwrMd_SystemTime_DtrmnElapsedTime_mS_u16_Ela	40000			
tgt_Rte_Call_Ap_VehPwrMd_SystemTime_GetSystemTime_mS_u32_Curren	9999			
Name	Actual Value	Expected Value	Result	
IGNDiagStartTime_mS_M_u32p0	200	200	~	
Rte_Call_Ap_VehPwrMd_NxtrDiagMgr_SetNTCStatus(NTC_Cnt_T_enum)	184	184	•	
Rte_Call_Ap_VehPwrMd_NxtrDiagMgr_SetNTCStatus(Param_Cnt_T_u08)	1	1	~	
Rte_Call_Ap_VehPwrMd_NxtrDiagMgr_SetNTCStatus(Status_Cnt_T_enum)	1	1	~	

Test Step Call Trace						
Actual Function	Count	Expected Function	Count	Result		
Rte_Call_Ap_VehPwrMd_SystemTime_DtrmnElapsedTime_mS_u16	1	Rte_Call_Ap_VehPwrMd_SystemTime_DtrmnElapsedTime_mS_u16	1	~		
Rte_Call_Ap_VehPwrMd_NxtrDiagMgr_SetNTCStatus	1	Rte_Call_Ap_VehPwrMd_NxtrDiagMgr_SetNTCStatus	1	•		



Test Case 2: Boundary Test

Specification

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

Cycles: TS2.1 TS2.2 TS2.3 1141.00 Cycles 1108.00 Cycles 1013.00 Cycles 1039.00 Cycles 1031.00 Cycles 1031.00 Cycles 1088.00 Cycles 564.00 Cycles 1048.00 Cycles 1048.00 Cycles 1031.00 Cycles 1031.00 Cycles 995.00 Cycles 995.00 Cycles 995.00 Cycles 995.00 Cycles 1031.00 Cycles TS2.4 TS2.5 TS2.6 TS2.7 TS2.7 TS2.8 TS2.9 TS2.10 TS2.11 TS2.12 TS2.13 TS2.14 TS2.15 TS2.16

Description

Vector Description:

 $TS2.1SrlComEngOn_Cnt_T_lgc => min$ TS2.2SrlComEngOn_Cnt_T_lgc=>max
TS2.3SrlComSPMOn_Cnt_T_lgc=>min
TS2.4SrlComSPMOn_Cnt_T_lgc=>min
TS2.4SrlComSPMOn_Cnt_T_lgc=>max
TS2.5EPSEn_Cnt_T_lgc=>min
TS2.6EPSEn_Cnt_T_lgc=>max
TS2.7k_IGNDiagTime_mS_u16p0=>min IS2./k_IGNDiagTime_mS_u16p0=>min
TS2.8k_IGNDiagTime_mS_u16p0=>max
TS2.9k_IGNDiagTime_mS_u16p0=>max
TS2.9k_IGNDiagTime_mS_u16p0=>mid/Default
TS2.10Rte_Call_SystemTime_DtrmnElapsedTime_mS_u16=>min
TS2.11Rte_Call_SystemTime_DtrmnElapsedTime_mS_u16=>max
TS2.12Rte_Call_SystemTime_DtrmnElapsedTime_mS_u32=>min
TS2.13Rte_Call_SystemTime_GetSystemTime_mS_u32=>max
TS2.15Rte_Call_SystemTime_GetSystemTime_mS_u32=>min
TS2.15Rte_Call_SystemTime_GetSystemTime_mS_u32=>mid
TS2.16All_min TS2.16All min TS2.17All max

Test Step 2.1 (Repeat Count = 1)			
Name	Input Value		
EPSEn_Cnt_T_lgc	0		
IGNDiagStartTime_mS_M_u32p0	1596		
$Rte_Call_Ap_VehPwrMd_SystemTime_DtrmnElapsedTime_mS_u16(ElapsedTime)$	tgt_Rte_Call_Ap_VehPwrMd_SystemTime_[OtrmnElapsedTime_mS_u16_Ela	
Rte_Call_Ap_VehPwrMd_SystemTime_GetSystemTime_mS_u32(CurrentTime)	tgt_Rte_Call_Ap_VehPwrMd_SystemTime_0	GetSystemTime_mS_u32_Curren	
SrlComEngOn_Cnt_T_lgc	0		
SrlComSPMOn_Cnt_T_lgc	1		
k_IGNDiagTime_mS_u16p0	300		
tgt_Rte_Call_Ap_VehPwrMd_SystemTime_DtrmnElapsedTime_mS_u16_Ela	4500		
tgt_Rte_Call_Ap_VehPwrMd_SystemTime_GetSystemTime_mS_u32_Curren	5555		
Name	Actual Value	Expected Value	Result
IGNDiagStartTime_mS_M_u32p0	1596	1596	~
Rte_Call_Ap_VehPwrMd_NxtrDiagMgr_SetNTCStatus(NTC_Cnt_T_enum)	184	184	•
Rte_Call_Ap_VehPwrMd_NxtrDiagMgr_SetNTCStatus(Param_Cnt_T_u08)	1	1	~
Rte_Call_Ap_VehPwrMd_NxtrDiagMgr_SetNTCStatus(Status_Cnt_T_enum)	1	1	✓

Test Step Call Trace				✓
Actual Function	Count	Expected Function	Count	Result
Rte_Call_Ap_VehPwrMd_SystemTime_DtrmnElapsedTime_mS_u16	1	Rte_Call_Ap_VehPwrMd_SystemTime_DtrmnElapsedTime_mS_u16	1	~
Rte_Call_Ap_VehPwrMd_NxtrDiagMgr_SetNTCStatus	1	Rte_Call_Ap_VehPwrMd_NxtrDiagMgr_SetNTCStatus	1	~

Test Step 2.2 (Repeat Count = 1)			
Name	Input Value		
EPSEn_Cnt_T_lgc	1		
IGNDiagStartTime_mS_M_u32p0	2514		
Rte_Call_Ap_VehPwrMd_SystemTime_DtrmnElapsedTime_mS_u16(ElapsedTime)	tgt_Rte_Call_Ap_VehPwrMd_SystemTime_[OtrmnElapsedTime_mS_u16_Ela	
Rte_Call_Ap_VehPwrMd_SystemTime_GetSystemTime_mS_u32(CurrentTime)	tgt_Rte_Call_Ap_VehPwrMd_SystemTime_0	GetSystemTime_mS_u32_Curren	
SrlComEngOn_Cnt_T_lgc	1		
SrlComSPMOn_Cnt_T_lgc	0		
k_IGNDiagTime_mS_u16p0	4000		
tgt_Rte_Call_Ap_VehPwrMd_SystemTime_DtrmnElapsedTime_mS_u16_Ela	3000		
tgt_Rte_Call_Ap_VehPwrMd_SystemTime_GetSystemTime_mS_u32_Curren	6666		
Name	Actual Value	Expected Value	Result
IGNDiagStartTime_mS_M_u32p0	6666	6666	-
Rte_Call_Ap_VehPwrMd_NxtrDiagMgr_SetNTCStatus(NTC_Cnt_T_enum)	184	184	-
Rte Call Ap VehPwrMd NxtrDiagMgr SetNTCStatus(Param Cnt T u08)	1	1	•

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Name	Actual Value	Expected Value	Result
Rte_Call_Ap_VehPwrMd_NxtrDiagMgr_SetNTCStatus(Status_Cnt_T_enum)	0	0	✓

Test Step Call Trace				V
Actual Function	Count	Expected Function	Count	Result
Rte_Call_Ap_VehPwrMd_NxtrDiagMgr_SetNTCStatus	1	Rte_Call_Ap_VehPwrMd_NxtrDiagMgr_SetNTCStatus	1	~
Rte_Call_Ap_VehPwrMd_SystemTime_GetSystemTime_mS_u32	1	Rte_Call_Ap_VehPwrMd_SystemTime_GetSystemTime_mS_u32	1	•

Test Step 2.3 (Repeat Count = 1)			
Name	Input Value		
EPSEn_Cnt_T_lgc	0		
IGNDiagStartTime_mS_M_u32p0	7485		
Rte_Call_Ap_VehPwrMd_SystemTime_DtrmnElapsedTime_mS_u16(ElapsedTime)	tgt_Rte_Call_Ap_VehPwrMd_SystemTime_[OtrmnElapsedTime_mS_u16_Ela	
Rte_Call_Ap_VehPwrMd_SystemTime_GetSystemTime_mS_u32(CurrentTime)	tgt_Rte_Call_Ap_VehPwrMd_SystemTime_0	GetSystemTime_mS_u32_Curren	
SrlComEngOn_Cnt_T_lgc	0		
SrlComSPMOn_Cnt_T_lgc	0		
k_IGNDiagTime_mS_u16p0	250		
tgt_Rte_Call_Ap_VehPwrMd_SystemTime_DtrmnElapsedTime_mS_u16_Ela	4525		
tgt_Rte_Call_Ap_VehPwrMd_SystemTime_GetSystemTime_mS_u32_Curren	7777		
Name	Actual Value	Expected Value	Result
IGNDiagStartTime_mS_M_u32p0	7777	7777	~
Rte_Call_Ap_VehPwrMd_NxtrDiagMgr_SetNTCStatus(NTC_Cnt_T_enum)	184	184	✓
Rte_Call_Ap_VehPwrMd_NxtrDiagMgr_SetNTCStatus(Param_Cnt_T_u08)	1	1	~
Rte_Call_Ap_VehPwrMd_NxtrDiagMgr_SetNTCStatus(Status_Cnt_T_enum)	0	0	~

Test Step Call Trace				✓
Actual Function	Count	Expected Function	Count	Result
Rte_Call_Ap_VehPwrMd_NxtrDiagMgr_SetNTCStatus	1	Rte_Call_Ap_VehPwrMd_NxtrDiagMgr_SetNTCStatus	1	~
Rte Call Ap VehPwrMd SystemTime GetSystemTime mS u32	1	Rte Call Ap VehPwrMd SystemTime GetSystemTime mS u32	1	✓

Test Step 2.4 (Repeat Count = 1)			
Name	Input Value		
EPSEn_Cnt_T_lgc	1		
IGNDiagStartTime_mS_M_u32p0	9325		
$Rte_Call_Ap_VehPwrMd_SystemTime_DtrmnElapsedTime_mS_u16(ElapsedTime)$	tgt_Rte_Call_Ap_VehPwrMd_SystemTime_D	OtrmnElapsedTime_mS_u16_Ela	
Rte_Call_Ap_VehPwrMd_SystemTime_GetSystemTime_mS_u32(CurrentTime)	tgt_Rte_Call_Ap_VehPwrMd_SystemTime_C	GetSystemTime_mS_u32_Curren	
SrlComEngOn_Cnt_T_lgc	1		
SrlComSPMOn_Cnt_T_lgc	1		
k_IGNDiagTime_mS_u16p0	5500		
tgt_Rte_Call_Ap_VehPwrMd_SystemTime_DtrmnElapsedTime_mS_u16_Ela	1230		
tgt_Rte_Call_Ap_VehPwrMd_SystemTime_GetSystemTime_mS_u32_Curren	8888		
Name	Actual Value	Expected Value	Result
IGNDiagStartTime_mS_M_u32p0	8888	8888	~
Rte_Call_Ap_VehPwrMd_NxtrDiagMgr_SetNTCStatus(NTC_Cnt_T_enum)	184	184	~
Rte_Call_Ap_VehPwrMd_NxtrDiagMgr_SetNTCStatus(Param_Cnt_T_u08)	1	1	~
Rte_Call_Ap_VehPwrMd_NxtrDiagMgr_SetNTCStatus(Status_Cnt_T_enum)	0	0	~

Test Step Call Trace				V
Actual Function	Count	Expected Function	Count	Result
Rte_Call_Ap_VehPwrMd_NxtrDiagMgr_SetNTCStatus	1	Rte_Call_Ap_VehPwrMd_NxtrDiagMgr_SetNTCStatus	1	~
Rte_Call_Ap_VehPwrMd_SystemTime_GetSystemTime_mS_u32	1	Rte_Call_Ap_VehPwrMd_SystemTime_GetSystemTime_mS_u32	1	✓



Test Step 2.5 (Repeat Count = 1)			✓
Name	Input Value		
EPSEn_Cnt_T_lgc	0		
IGNDiagStartTime_mS_M_u32p0	8541		
$Rte_Call_Ap_VehPwrMd_SystemTime_DtrmnElapsedTime_mS_u16(ElapsedTime)$	tgt_Rte_Call_Ap_VehPwrMd_SystemTime_D	OtrmnElapsedTime_mS_u16_Ela	
Rte_Call_Ap_VehPwrMd_SystemTime_GetSystemTime_mS_u32(CurrentTime)	tgt_Rte_Call_Ap_VehPwrMd_SystemTime_C	GetSystemTime_mS_u32_Curren	
SrlComEngOn_Cnt_T_lgc	0		
SrlComSPMOn_Cnt_T_lgc	0		
k_IGNDiagTime_mS_u16p0	2500		
tgt_Rte_Call_Ap_VehPwrMd_SystemTime_DtrmnElapsedTime_mS_u16_Ela	40000		
tgt_Rte_Call_Ap_VehPwrMd_SystemTime_GetSystemTime_mS_u32_Curren	9999		
Name	Actual Value	Expected Value	Result
IGNDiagStartTime_mS_M_u32p0	9999	9999	~
Rte_Call_Ap_VehPwrMd_NxtrDiagMgr_SetNTCStatus(NTC_Cnt_T_enum)	184	184	~
Rte_Call_Ap_VehPwrMd_NxtrDiagMgr_SetNTCStatus(Param_Cnt_T_u08)	1	1	~
Rte_Call_Ap_VehPwrMd_NxtrDiagMgr_SetNTCStatus(Status_Cnt_T_enum)	0	0	✓

Test Step Call Trace				
Actual Function	Count	Expected Function	Count	Result
Rte_Call_Ap_VehPwrMd_NxtrDiagMgr_SetNTCStatus	1	Rte_Call_Ap_VehPwrMd_NxtrDiagMgr_SetNTCStatus	1	~
Rte_Call_Ap_VehPwrMd_SystemTime_GetSystemTime_mS_u32	1	Rte_Call_Ap_VehPwrMd_SystemTime_GetSystemTime_mS_u32	1	✓

Test Step 2.6 (Repeat Count = 1)			✓
Name	Input Value		
EPSEn_Cnt_T_lgc	1		
IGNDiagStartTime_mS_M_u32p0	6325		
Rte_Call_Ap_VehPwrMd_SystemTime_DtrmnElapsedTime_mS_u16(ElapsedTime)	tgt_Rte_Call_Ap_VehPwrMd_SystemTime_I	OtrmnElapsedTime_mS_u16_Ela	
Rte_Call_Ap_VehPwrMd_SystemTime_GetSystemTime_mS_u32(CurrentTime)	tgt_Rte_Call_Ap_VehPwrMd_SystemTime_0	GetSystemTime_mS_u32_Curren	
SrlComEngOn_Cnt_T_lgc	1		
SrlComSPMOn_Cnt_T_lgc	0		
k_IGNDiagTime_mS_u16p0	1200		
tgt_Rte_Call_Ap_VehPwrMd_SystemTime_DtrmnElapsedTime_mS_u16_Ela	55200		
tgt_Rte_Call_Ap_VehPwrMd_SystemTime_GetSystemTime_mS_u32_Curren	1000		
Name	Actual Value	Expected Value	Result
IGNDiagStartTime_mS_M_u32p0	1000	1000	~
Rte_Call_Ap_VehPwrMd_NxtrDiagMgr_SetNTCStatus(NTC_Cnt_T_enum)	184	184	~
Rte_Call_Ap_VehPwrMd_NxtrDiagMgr_SetNTCStatus(Param_Cnt_T_u08)	1	1	~
Rte_Call_Ap_VehPwrMd_NxtrDiagMgr_SetNTCStatus(Status_Cnt_T_enum)	0	0	✓

Test Step Call Trace				
Actual Function	Count	Expected Function	Count	Result
Rte_Call_Ap_VehPwrMd_NxtrDiagMgr_SetNTCStatus	1	Rte_Call_Ap_VehPwrMd_NxtrDiagMgr_SetNTCStatus	1	~
Rte_Call_Ap_VehPwrMd_SystemTime_GetSystemTime_mS_u32	1	Rte_Call_Ap_VehPwrMd_SystemTime_GetSystemTime_mS_u32	1	✓

Test Step 2.7 (Repeat Count = 1)			~
Name	Input Value		
EPSEn_Cnt_T_lgc	0		
IGNDiagStartTime_mS_M_u32p0	4500		
$Rte_Call_Ap_VehPwrMd_SystemTime_DtrmnElapsedTime_mS_u16 (ElapsedTime_mS_u16 (Elapsed$	tgt_Rte_Call_Ap_VehPwrMd_SystemTime_	DtrmnElapsedTime_mS_u16_Ela	
Rte_Call_Ap_VehPwrMd_SystemTime_GetSystemTime_mS_u32(CurrentTime)	tgt_Rte_Call_Ap_VehPwrMd_SystemTime_	GetSystemTime_mS_u32_Curren	
SrlComEngOn_Cnt_T_lgc	1		
SrlComSPMOn_Cnt_T_lgc	0		
k_IGNDiagTime_mS_u16p0	0		
tgt_Rte_Call_Ap_VehPwrMd_SystemTime_DtrmnElapsedTime_mS_u16_Ela	35000		
tgt_Rte_Call_Ap_VehPwrMd_SystemTime_GetSystemTime_mS_u32_Curren	1234		
Name	Actual Value	Expected Value	Result
IGNDiagStartTime_mS_M_u32p0	4500	4500	-
Rte_Call_Ap_VehPwrMd_NxtrDiagMgr_SetNTCStatus(NTC_Cnt_T_enum)	184	184	•
Rte_Call_Ap_VehPwrMd_NxtrDiagMgr_SetNTCStatus(Param_Cnt_T_u08)	1	1	
Rte_Call_Ap_VehPwrMd_NxtrDiagMgr_SetNTCStatus(Status_Cnt_T_enum)	1	1	-

Test Step Call Trace				✓
Actual Function	Count	Expected Function	Count	Result
Rte_Call_Ap_VehPwrMd_SystemTime_DtrmnElapsedTime_mS_u16	1	Rte_Call_Ap_VehPwrMd_SystemTime_DtrmnElapsedTime_mS_u16	1	~
Rte_Call_Ap_VehPwrMd_NxtrDiagMgr_SetNTCStatus	1	Rte_Call_Ap_VehPwrMd_NxtrDiagMgr_SetNTCStatus	1	✓



Test Step 2.8 (Repeat Count = 1)			
Name	Input Value		
EPSEn_Cnt_T_lgc	0		
IGNDiagStartTime_mS_M_u32p0	3000		
Rte_Call_Ap_VehPwrMd_SystemTime_DtrmnElapsedTime_mS_u16(ElapsedTime)	tgt_Rte_Call_Ap_VehPwrMd_SystemTime_0	OtrmnElapsedTime_mS_u16_Ela	
Rte_Call_Ap_VehPwrMd_SystemTime_GetSystemTime_mS_u32(CurrentTime)	tgt_Rte_Call_Ap_VehPwrMd_SystemTime_0	GetSystemTime_mS_u32_Curren	
SrlComEngOn_Cnt_T_lgc	0		
SrlComSPMOn_Cnt_T_lgc	1		
k_IGNDiagTime_mS_u16p0	60000		
tgt_Rte_Call_Ap_VehPwrMd_SystemTime_DtrmnElapsedTime_mS_u16_Ela	41250		
tgt_Rte_Call_Ap_VehPwrMd_SystemTime_GetSystemTime_mS_u32_Curren	645		
Name	Actual Value	Expected Value	Result
IGNDiagStartTime_mS_M_u32p0	3000	3000	~
Rte_Call_Ap_VehPwrMd_NxtrDiagMgr_SetNTCStatus(NTC_Cnt_T_enum)	184	*none*	~
Rte_Call_Ap_VehPwrMd_NxtrDiagMgr_SetNTCStatus(Param_Cnt_T_u08)	1	*none*	~
Rte_Call_Ap_VehPwrMd_NxtrDiagMgr_SetNTCStatus(Status_Cnt_T_enum)	1	*none*	~

Test Step Call Trace				✓
Actual Function	Count	Expected Function	Count	Result
Rte_Call_Ap_VehPwrMd_SystemTime_DtrmnElapsedTime_mS_u16	1	Rte_Call_Ap_VehPwrMd_SystemTime_DtrmnElapsedTime_mS_u16	1	~

Test Step 2.9 (Repeat Count = 1)			✓
Name	Input Value		
EPSEn_Cnt_T_lgc	0		
IGNDiagStartTime_mS_M_u32p0	4525		
Rte_Call_Ap_VehPwrMd_SystemTime_DtrmnElapsedTime_mS_u16(ElapsedTime) tgt_Rte_Call_Ap_VehPwrMd_SystemTime_	_DtrmnElapsedTime_mS_u16_Ela	
Rte_Call_Ap_VehPwrMd_SystemTime_GetSystemTime_mS_u32(CurrentTime)	tgt_Rte_Call_Ap_VehPwrMd_SystemTime_	_GetSystemTime_mS_u32_Curren	
SrlComEngOn_Cnt_T_lgc	1		
SrlComSPMOn_Cnt_T_lgc	1		
k_IGNDiagTime_mS_u16p0	5000		
tgt_Rte_Call_Ap_VehPwrMd_SystemTime_DtrmnElapsedTime_mS_u16_Ela	2300		
tgt_Rte_Call_Ap_VehPwrMd_SystemTime_GetSystemTime_mS_u32_Curren	6867		
Name	Actual Value	Expected Value	Result
IGNDiagStartTime_mS_M_u32p0	4525	4525	~
Rte_Call_Ap_VehPwrMd_NxtrDiagMgr_SetNTCStatus(NTC_Cnt_T_enum)	184	*none*	~
Rte_Call_Ap_VehPwrMd_NxtrDiagMgr_SetNTCStatus(Param_Cnt_T_u08)	1	*none*	~
Rte Call Ap VehPwrMd NxtrDiagMgr SetNTCStatus(Status Cnt T enum)	1	*none*	✓

Test Step Call Trace				V
Actual Function	Count	Expected Function	Count	Result
Rte_Call_Ap_VehPwrMd_SystemTime_DtrmnElapsedTime_mS_u16	1	Rte_Call_Ap_VehPwrMd_SystemTime_DtrmnElapsedTime_mS_u16	1	~

Test Step 2.10 (Repeat Count = 1)			✓
Name	Input Value		
EPSEn_Cnt_T_lgc	0		
IGNDiagStartTime_mS_M_u32p0	1230		
Rte_Call_Ap_VehPwrMd_SystemTime_DtrmnElapsedTime_mS_u16(ElapsedTime)	tgt_Rte_Call_Ap_VehPwrMd_SystemTime_0	OtrmnElapsedTime_mS_u16_Ela	
Rte_Call_Ap_VehPwrMd_SystemTime_GetSystemTime_mS_u32(CurrentTime)	tgt_Rte_Call_Ap_VehPwrMd_SystemTime_0	GetSystemTime_mS_u32_Curren	
SrlComEngOn_Cnt_T_lgc	1		
SrlComSPMOn_Cnt_T_lgc	1		
k_IGNDiagTime_mS_u16p0	123		
tgt_Rte_Call_Ap_VehPwrMd_SystemTime_DtrmnElapsedTime_mS_u16_Ela	0		
tgt_Rte_Call_Ap_VehPwrMd_SystemTime_GetSystemTime_mS_u32_Curren	89089		
Name	Actual Value	Expected Value	Result
IGNDiagStartTime_mS_M_u32p0	1230	1230	~
Rte_Call_Ap_VehPwrMd_NxtrDiagMgr_SetNTCStatus(NTC_Cnt_T_enum)	184	*none*	~
Rte_Call_Ap_VehPwrMd_NxtrDiagMgr_SetNTCStatus(Param_Cnt_T_u08)	1	*none*	~
Rte_Call_Ap_VehPwrMd_NxtrDiagMgr_SetNTCStatus(Status_Cnt_T_enum)	1	*none*	~

Test Step Call Trace				✓
Actual Function	Count	Expected Function	Count	Result
Rte_Call_Ap_VehPwrMd_SystemTime_DtrmnElapsedTime_mS_u16	1	Rte_Call_Ap_VehPwrMd_SystemTime_DtrmnElapsedTime_mS_u16	1	~



Test Step 2.11 (Repeat Count = 1)			
Name	Input Value		
EPSEn_Cnt_T_lgc	0		
IGNDiagStartTime_mS_M_u32p0	40000		
Rte_Call_Ap_VehPwrMd_SystemTime_DtrmnElapsedTime_mS_u16(ElapsedTime)	tgt_Rte_Call_Ap_VehPwrMd_SystemTime_E	OtrmnElapsedTime_mS_u16_Ela	
Rte_Call_Ap_VehPwrMd_SystemTime_GetSystemTime_mS_u32(CurrentTime)	tgt_Rte_Call_Ap_VehPwrMd_SystemTime_C	GetSystemTime_mS_u32_Curren	
SrlComEngOn_Cnt_T_lgc	1		
SrlComSPMOn_Cnt_T_lgc	1		
k_IGNDiagTime_mS_u16p0	4500		
tgt_Rte_Call_Ap_VehPwrMd_SystemTime_DtrmnElapsedTime_mS_u16_Ela	65535		
tgt_Rte_Call_Ap_VehPwrMd_SystemTime_GetSystemTime_mS_u32_Curren	1452		
Name	Actual Value	Expected Value	Result
IGNDiagStartTime_mS_M_u32p0	40000	40000	~
Rte_Call_Ap_VehPwrMd_NxtrDiagMgr_SetNTCStatus(NTC_Cnt_T_enum)	184	184	~
Rte_Call_Ap_VehPwrMd_NxtrDiagMgr_SetNTCStatus(Param_Cnt_T_u08)	1	1	~
Rte_Call_Ap_VehPwrMd_NxtrDiagMgr_SetNTCStatus(Status_Cnt_T_enum)	1	1	~

Test Step Call Trace				
Actual Function	Count	Expected Function	Count	Result
Rte_Call_Ap_VehPwrMd_SystemTime_DtrmnElapsedTime_mS_u16	1	Rte_Call_Ap_VehPwrMd_SystemTime_DtrmnElapsedTime_mS_u16	1	~
Rte_Call_Ap_VehPwrMd_NxtrDiagMgr_SetNTCStatus	1	Rte_Call_Ap_VehPwrMd_NxtrDiagMgr_SetNTCStatus	1	✓

Test Step 2.12 (Repeat Count = 1)			✓
Name	Input Value		
EPSEn_Cnt_T_lgc	0		
IGNDiagStartTime_mS_M_u32p0	55200		
Rte_Call_Ap_VehPwrMd_SystemTime_DtrmnElapsedTime_mS_u16(ElapsedTime)	tgt_Rte_Call_Ap_VehPwrMd_SystemTime_	DtrmnElapsedTime_mS_u16_Ela	
Rte_Call_Ap_VehPwrMd_SystemTime_GetSystemTime_mS_u32(CurrentTime)	tgt_Rte_Call_Ap_VehPwrMd_SystemTime_	GetSystemTime_mS_u32_Curren	
SrlComEngOn_Cnt_T_lgc	1		
SrlComSPMOn_Cnt_T_lgc	1		
k_IGNDiagTime_mS_u16p0	6500		
tgt_Rte_Call_Ap_VehPwrMd_SystemTime_DtrmnElapsedTime_mS_u16_Ela	38000		
tgt_Rte_Call_Ap_VehPwrMd_SystemTime_GetSystemTime_mS_u32_Curren	6874		
Name	Actual Value	Expected Value	Result
IGNDiagStartTime_mS_M_u32p0	55200	55200	~
Rte_Call_Ap_VehPwrMd_NxtrDiagMgr_SetNTCStatus(NTC_Cnt_T_enum)	184	184	~
Rte_Call_Ap_VehPwrMd_NxtrDiagMgr_SetNTCStatus(Param_Cnt_T_u08)	1	1	~
Rte_Call_Ap_VehPwrMd_NxtrDiagMgr_SetNTCStatus(Status_Cnt_T_enum)	1	1	~

Test Step Call Trace				
Actual Function	Count	Expected Function	Count	Result
Rte_Call_Ap_VehPwrMd_SystemTime_DtrmnElapsedTime_mS_u16	1	Rte_Call_Ap_VehPwrMd_SystemTime_DtrmnElapsedTime_mS_u16	1	~
Rte_Call_Ap_VehPwrMd_NxtrDiagMgr_SetNTCStatus	1	Rte_Call_Ap_VehPwrMd_NxtrDiagMgr_SetNTCStatus	1	~

Test Step 2.13 (Repeat Count = 1)			✓
Name	Input Value		
EPSEn_Cnt_T_lgc	1		
IGNDiagStartTime_mS_M_u32p0	35000		
$Rte_Call_Ap_VehPwrMd_SystemTime_DtrmnElapsedTime_mS_u16 (ElapsedTime_mS_u16 (Elapsed$	tgt_Rte_Call_Ap_VehPwrMd_SystemTi	ime_DtrmnElapsedTime_mS_u16_Ela	
Rte_Call_Ap_VehPwrMd_SystemTime_GetSystemTime_mS_u32(CurrentTime)	tgt_Rte_Call_Ap_VehPwrMd_SystemTi	ime_GetSystemTime_mS_u32_Curren	
SrlComEngOn_Cnt_T_lgc	0		
SrlComSPMOn_Cnt_T_lgc	0		
k_IGNDiagTime_mS_u16p0	8000		
tgt_Rte_Call_Ap_VehPwrMd_SystemTime_DtrmnElapsedTime_mS_u16_Ela	1230		
tgt_Rte_Call_Ap_VehPwrMd_SystemTime_GetSystemTime_mS_u32_Curren	0		
Name	Actual Value	Expected Value	Result
IGNDiagStartTime_mS_M_u32p0	0	0	~
Rte_Call_Ap_VehPwrMd_NxtrDiagMgr_SetNTCStatus(NTC_Cnt_T_enum)	184	184	~
Rte_Call_Ap_VehPwrMd_NxtrDiagMgr_SetNTCStatus(Param_Cnt_T_u08)	1	1	~
Rte_Call_Ap_VehPwrMd_NxtrDiagMgr_SetNTCStatus(Status_Cnt_T_enum)	0	0	~



Test Step Call Trace				
Actual Function	Count	Expected Function	Count	Result
Rte_Call_Ap_VehPwrMd_NxtrDiagMgr_SetNTCStatus	1	Rte_Call_Ap_VehPwrMd_NxtrDiagMgr_SetNTCStatus	1	~
Rte_Call_Ap_VehPwrMd_SystemTime_GetSystemTime_mS_u32	1	Rte_Call_Ap_VehPwrMd_SystemTime_GetSystemTime_mS_u32	1	✓

Test Step 2.14 (Repeat Count = 1)			✓
Name	Input Value		
EPSEn_Cnt_T_lgc	1		
IGNDiagStartTime_mS_M_u32p0	41250		
Rte_Call_Ap_VehPwrMd_SystemTime_DtrmnElapsedTime_mS_u16(ElapsedTime)	tgt_Rte_Call_Ap_VehPwrMd_SystemTime_E	OtrmnElapsedTime_mS_u16_Ela	
Rte_Call_Ap_VehPwrMd_SystemTime_GetSystemTime_mS_u32(CurrentTime)	tgt_Rte_Call_Ap_VehPwrMd_SystemTime_0	GetSystemTime_mS_u32_Curren	
SrlComEngOn_Cnt_T_lgc	0		
SrlComSPMOn_Cnt_T_lgc	0		
k_IGNDiagTime_mS_u16p0	7500		
tgt_Rte_Call_Ap_VehPwrMd_SystemTime_DtrmnElapsedTime_mS_u16_Ela	40000		
tgt_Rte_Call_Ap_VehPwrMd_SystemTime_GetSystemTime_mS_u32_Curren	4294967295		
Name	Actual Value	Expected Value	Result
IGNDiagStartTime_mS_M_u32p0	4294967295	4294967295	~
Rte_Call_Ap_VehPwrMd_NxtrDiagMgr_SetNTCStatus(NTC_Cnt_T_enum)	184	184	~
Rte_Call_Ap_VehPwrMd_NxtrDiagMgr_SetNTCStatus(Param_Cnt_T_u08)	1	1	~
Rte_Call_Ap_VehPwrMd_NxtrDiagMgr_SetNTCStatus(Status_Cnt_T_enum)	0	0	✓

Test Step Call Trace				✓
Actual Function	Count	Expected Function	Count	Result
Rte_Call_Ap_VehPwrMd_NxtrDiagMgr_SetNTCStatus	1	Rte_Call_Ap_VehPwrMd_NxtrDiagMgr_SetNTCStatus	1	~
Rte Call Ap VehPwrMd SystemTime GetSystemTime mS u32	1	Rte_Call_Ap_VehPwrMd_SystemTime_GetSystemTime_mS_u32	1	✓

Test Step 2.15 (Repeat Count = 1)			✓
Name	Input Value		
EPSEn_Cnt_T_lgc	1		
IGNDiagStartTime_mS_M_u32p0	2300		
$Rte_Call_Ap_VehPwrMd_SystemTime_DtrmnElapsedTime_mS_u16(ElapsedTime)$	tgt_Rte_Call_Ap_VehPwrMd_SystemTime_0	OtrmnElapsedTime_mS_u16_Ela	
Rte_Call_Ap_VehPwrMd_SystemTime_GetSystemTime_mS_u32(CurrentTime)	tgt_Rte_Call_Ap_VehPwrMd_SystemTime_0	GetSystemTime_mS_u32_Curren	
SrlComEngOn_Cnt_T_lgc	0		
SrlComSPMOn_Cnt_T_lgc	0		
k_IGNDiagTime_mS_u16p0	4500		
tgt_Rte_Call_Ap_VehPwrMd_SystemTime_DtrmnElapsedTime_mS_u16_Ela	55200		
tgt_Rte_Call_Ap_VehPwrMd_SystemTime_GetSystemTime_mS_u32_Curren	2147483647		
Name	Actual Value	Expected Value	Result
IGNDiagStartTime_mS_M_u32p0	2147483647	2147483647	~
Rte_Call_Ap_VehPwrMd_NxtrDiagMgr_SetNTCStatus(NTC_Cnt_T_enum)	184	184	•
Rte_Call_Ap_VehPwrMd_NxtrDiagMgr_SetNTCStatus(Param_Cnt_T_u08)	1	1	~
Rte_Call_Ap_VehPwrMd_NxtrDiagMgr_SetNTCStatus(Status_Cnt_T_enum)	0	0	~

Test Step Call Trace				V
Actual Function	Count	Expected Function	Count	Result
Rte_Call_Ap_VehPwrMd_NxtrDiagMgr_SetNTCStatus	1	Rte_Call_Ap_VehPwrMd_NxtrDiagMgr_SetNTCStatus	1	~
Rte_Call_Ap_VehPwrMd_SystemTime_GetSystemTime_mS_u32	1	Rte_Call_Ap_VehPwrMd_SystemTime_GetSystemTime_mS_u32	1	✓

Test Step 2.16 (Repeat Count = 1)			✓
Name	Input Value		
EPSEn_Cnt_T_lgc	0		
IGNDiagStartTime_mS_M_u32p0	0		
Rte_Call_Ap_VehPwrMd_SystemTime_DtrmnElapsedTime_mS_u16(ElapsedTime)	tgt_Rte_Call_Ap_VehPwrMd_SystemTime_D	OtrmnElapsedTime_mS_u16_Ela	
Rte_Call_Ap_VehPwrMd_SystemTime_GetSystemTime_mS_u32(CurrentTime)	tgt_Rte_Call_Ap_VehPwrMd_SystemTime_G	GetSystemTime_mS_u32_Curren	
SrlComEngOn_Cnt_T_lgc	0		
SrlComSPMOn_Cnt_T_lgc	0		
k_IGNDiagTime_mS_u16p0	0		
tgt_Rte_Call_Ap_VehPwrMd_SystemTime_DtrmnElapsedTime_mS_u16_Ela	0		
tgt_Rte_Call_Ap_VehPwrMd_SystemTime_GetSystemTime_mS_u32_Curren	0		
Name	Actual Value	Expected Value	Result
IGNDiagStartTime_mS_M_u32p0	0	0	~
Rte_Call_Ap_VehPwrMd_NxtrDiagMgr_SetNTCStatus(NTC_Cnt_T_enum)	184	184	~

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Name	Actual Value	Expected Value	Result
Rte_Call_Ap_VehPwrMd_NxtrDiagMgr_SetNTCStatus(Param_Cnt_T_u08)	1	1	~
Rte Call Ap VehPwrMd NxtrDiagMgr SetNTCStatus(Status Cnt T enum)	0	0	✓

Test Step Call Trace				✓
Actual Function	Count	Expected Function	Count	Result
Rte_Call_Ap_VehPwrMd_NxtrDiagMgr_SetNTCStatus	1	Rte_Call_Ap_VehPwrMd_NxtrDiagMgr_SetNTCStatus	1	~
Rte_Call_Ap_VehPwrMd_SystemTime_GetSystemTime_mS_u32	1	Rte_Call_Ap_VehPwrMd_SystemTime_GetSystemTime_mS_u32	1	~

Test Step 2.17 (Repeat Count = 1)			✓
Name	Input Value		
EPSEn_Cnt_T_lgc	1		
IGNDiagStartTime_mS_M_u32p0	4294967295		
$Rte_Call_Ap_VehPwrMd_SystemTime_DtrmnElapsedTime_mS_u16(ElapsedTime)$	tgt_Rte_Call_Ap_VehPwrMd_SystemTime_D	OtrmnElapsedTime_mS_u16_Ela	
Rte_Call_Ap_VehPwrMd_SystemTime_GetSystemTime_mS_u32(CurrentTime)	tgt_Rte_Call_Ap_VehPwrMd_SystemTime_C	GetSystemTime_mS_u32_Curren	
SrlComEngOn_Cnt_T_lgc	1		
SrlComSPMOn_Cnt_T_lgc	1		
k_IGNDiagTime_mS_u16p0	60000		
tgt_Rte_Call_Ap_VehPwrMd_SystemTime_DtrmnElapsedTime_mS_u16_Ela	65535		
tgt_Rte_Call_Ap_VehPwrMd_SystemTime_GetSystemTime_mS_u32_Curren	4294967295		
Name	Actual Value	Expected Value	Result
IGNDiagStartTime_mS_M_u32p0	4294967295	4294967295	~
Rte_Call_Ap_VehPwrMd_NxtrDiagMgr_SetNTCStatus(NTC_Cnt_T_enum)	184	184	✓
Rte_Call_Ap_VehPwrMd_NxtrDiagMgr_SetNTCStatus(Param_Cnt_T_u08)	1	1	~
Rte_Call_Ap_VehPwrMd_NxtrDiagMgr_SetNTCStatus(Status_Cnt_T_enum)	0	0	•

Test Step Call Trace				
Actual Function	Count	Expected Function	Count	Result
Rte_Call_Ap_VehPwrMd_NxtrDiagMgr_SetNTCStatus	1	Rte_Call_Ap_VehPwrMd_NxtrDiagMgr_SetNTCStatus	1	~
Rte_Call_Ap_VehPwrMd_SystemTime_GetSystemTime_mS_u32	1	Rte_Call_Ap_VehPwrMd_SystemTime_GetSystemTime_mS_u32	1	✓

Test Case 3: Path Test

Specification

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

TC3.1 TC3.2 TC3.3 TC3.4 TC3.5 TC3.6 4496.00 Cycles 3502.00 Cycles 3880.00 Cycles 3092.00 Cycles 3161.00 Cycles 4757.00 Cycles

Description Vector Description:

 $\begin{aligned} & \text{TC3.1} & \text{ if } (((\text{TRUE} == \text{SrlComEngOn_Cnt_T_lgc})T \parallel (\text{TRUE} == \text{SrlComSPMOn_Cnt_T_lgc})F \&\& (\text{FALSE} == \text{EPSEn_Cnt_T_lgc})F \\ & \text{TC3.2} & \text{ if } (((\text{TRUE} == \text{SrlComEngOn_Cnt_T_lgc})F \parallel (\text{TRUE} == \text{SrlComSPMOn_Cnt_T_lgc})T \&\& (\text{FALSE} == \text{EPSEn_Cnt_T_lgc})T \\ & \text{TC3.3} & \text{ if } (((\text{TRUE} == \text{SrlComEngOn_Cnt_T_lgc})F \parallel (\text{TRUE} == \text{SrlComSPMOn_Cnt_T_lgc})F \&\& (\text{FALSE} == \text{EPSEn_Cnt_T_lgc})T \\ & \text{TC3.4} & \text{ if } (((\text{TRUE} == \text{SrlComEngOn_Cnt_T_lgc})T \parallel (\text{TRUE} == \text{SrlComSPMOn_Cnt_T_lgc})T \&& (\text{FALSE} == \text{EPSEn_Cnt_T_lgc})T \\ & \text{TC3.5} & (((\text{TRUE} == \text{SrlComEngOn_Cnt_T_lgc}) == \text{SrlComSPMOn_Cnt_T_lgc}) == \text{SrlComEngOn_Cnt_T_lgc}) \\ & \text{TC3.6} & (((\text{TRUE} == \text{SrlComEngOn_Cnt_T_lgc}) == \text{SrlComSPMOn_Cnt_T_lgc}) == \text{SrlComEngOn_Cnt_T_lgc}) \\ & \text{TC3.6} & (((\text{TRUE} == \text{SrlComEngOn_Cnt_T_lgc}) == \text{SrlComSPMOn_Cnt_T_lgc}) == \text{SrlComEngOn_Cnt_T_lgc}) \\ & \text{TC3.6} & (((\text{TRUE} == \text{SrlComEngOn_Cnt_T_lgc}) == \text{SrlComSPMOn_Cnt_T_lgc}) == \text{SrlComEngOn_Cnt_T_lgc}) \\ & \text{TC3.6} & (((\text{TRUE} == \text{SrlComEngOn_Cnt_T_lgc}) == \text{SrlComSPMOn_Cnt_T_lgc}) == \text{SrlComSPMOn_Cnt_T_lgc}) \\ & \text{TC3.6} & (((\text{TRUE} == \text{SrlComEngOn_Cnt_T_lgc}) == \text{SrlComSPMOn_Cnt_T_lgc}) == \text{SrlComSPMOn_Cnt_T_lgc}) \\ & \text{TC3.6} & (((\text{TRUE} == \text{SrlComEngOn_Cnt_T_lgc}) == \text{SrlComSPMOn_Cnt_T_lgc}) == \text{SrlComSPMOn_Cnt_T_lgc}) \\ & \text{TC3.6} & ((\text{TRUE} == \text{SrlComEngOn_Cnt_T_lgc}) == \text{SrlComSPMOn_Cnt_T_lgc}) == \text{SrlComSPMOn_Cnt_T_lgc}) \\ & \text{TC3.6} & ((\text{TRUE} == \text{SrlComSPMOn_Cnt_T_lgc}) == \text{SrlComSPMOn_Cnt_T_lgc}) == \text{SrlComSPMOn_Cnt_T_lgc}) \\ & \text{TC3.6} & ((\text{TRUE} == \text{SrlComSPMOn_Cnt_T_lgc}) == \text{SrlComSPMOn_Cnt_T_lgc}) == \text{SrlComSPMOn_Cnt_T_lgc}) \\ & \text{TC3.6} & ((\text{TRUE} == \text{SrlComSPMOn_Cnt_T_lgc}) == \text{SrlComSPMOn_Cnt_T_lgc}) == \text{SrlComSPMOn_Cnt_T_lgc}) \\ & \text{TC3.6} & ((\text{TC3.6} + \text{TC3.6} +$

Test Step 3.1 (Repeat Count = 1)			
Name	Input Value		
EPSEn_Cnt_T_lgc	0		
IGNDiagStartTime_mS_M_u32p0	100		
Rte_Call_Ap_VehPwrMd_SystemTime_DtrmnElapsedTime_mS_u16(ElapsedTime)	tgt_Rte_Call_Ap_VehPwrMd_SystemTime_E	OtrmnElapsedTime_mS_u16_Ela	
Rte_Call_Ap_VehPwrMd_SystemTime_GetSystemTime_mS_u32(CurrentTime)	tgt_Rte_Call_Ap_VehPwrMd_SystemTime_GetSystemTime_mS_u32_Curren		
SrlComEngOn_Cnt_T_lgc	1		
SrlComSPMOn_Cnt_T_lgc	0		
k_IGNDiagTime_mS_u16p0	2500		
tgt_Rte_Call_Ap_VehPwrMd_SystemTime_DtrmnElapsedTime_mS_u16_Ela	40000		
tgt_Rte_Call_Ap_VehPwrMd_SystemTime_GetSystemTime_mS_u32_Curren	9999		
Name	Actual Value	Expected Value	Result
IGNDiagStartTime_mS_M_u32p0	100	100	~
Rte_Call_Ap_VehPwrMd_NxtrDiagMgr_SetNTCStatus(NTC_Cnt_T_enum)	184	184	•
Rte_Call_Ap_VehPwrMd_NxtrDiagMgr_SetNTCStatus(Param_Cnt_T_u08)	1	1	~
Rte_Call_Ap_VehPwrMd_NxtrDiagMgr_SetNTCStatus(Status_Cnt_T_enum)	1	1	•



Test Step Call Trace					
Actual Function	Count	Expected Function	Count	Result	
Rte_Call_Ap_VehPwrMd_SystemTime_DtrmnElapsedTime_mS_u16	1	Rte_Call_Ap_VehPwrMd_SystemTime_DtrmnElapsedTime_mS_u16	1	~	
Rte Call Ap VehPwrMd NxtrDiagMgr SetNTCStatus	1	Rte Call Ap VehPwrMd NxtrDiagMgr SetNTCStatus	1	•	

Test Step 3.2 (Repeat Count = 1)			
Name	Input Value		
EPSEn_Cnt_T_lgc	1		
IGNDiagStartTime_mS_M_u32p0	200		
$Rte_Call_Ap_VehPwrMd_SystemTime_DtrmnElapsedTime_mS_u16(ElapsedTime)$	tgt_Rte_Call_Ap_VehPwrMd_SystemTime_[OtrmnElapsedTime_mS_u16_Ela	
Rte_Call_Ap_VehPwrMd_SystemTime_GetSystemTime_mS_u32(CurrentTime)	tgt_Rte_Call_Ap_VehPwrMd_SystemTime_GetSystemTime_mS_u32_Curren		
SrlComEngOn_Cnt_T_lgc	0		
SrlComSPMOn_Cnt_T_lgc	1		
k_IGNDiagTime_mS_u16p0	4500		
tgt_Rte_Call_Ap_VehPwrMd_SystemTime_DtrmnElapsedTime_mS_u16_Ela	65535		
tgt_Rte_Call_Ap_VehPwrMd_SystemTime_GetSystemTime_mS_u32_Curren	1452		
Name	Actual Value	Expected Value	Result
IGNDiagStartTime_mS_M_u32p0	1452	1452	~
Rte_Call_Ap_VehPwrMd_NxtrDiagMgr_SetNTCStatus(NTC_Cnt_T_enum)	184	184	✓
Rte_Call_Ap_VehPwrMd_NxtrDiagMgr_SetNTCStatus(Param_Cnt_T_u08)	1	1	~
Rte_Call_Ap_VehPwrMd_NxtrDiagMgr_SetNTCStatus(Status_Cnt_T_enum)	0	0	✓

Test Step Call Trace				✓
Actual Function	Count	Expected Function	Count	Result
Rte_Call_Ap_VehPwrMd_NxtrDiagMgr_SetNTCStatus	1	Rte_Call_Ap_VehPwrMd_NxtrDiagMgr_SetNTCStatus	1	~
Rte Call Ap VehPwrMd SystemTime GetSystemTime mS u32	1	Rte Call Ap VehPwrMd SystemTime GetSystemTime mS u32	1	✓

Test Step 3.3 (Repeat Count = 1)			
Name	Input Value		
EPSEn_Cnt_T_lgc	0		
IGNDiagStartTime_mS_M_u32p0	300		
$Rte_Call_Ap_VehPwrMd_SystemTime_DtrmnElapsedTime_mS_u16(ElapsedTime)$	tgt_Rte_Call_Ap_VehPwrMd_SystemTime_[OtrmnElapsedTime_mS_u16_Ela	
Rte_Call_Ap_VehPwrMd_SystemTime_GetSystemTime_mS_u32(CurrentTime)	tgt_Rte_Call_Ap_VehPwrMd_SystemTime_GetSystemTime_mS_u32_Curren		
SrlComEngOn_Cnt_T_lgc	1		
SrlComSPMOn_Cnt_T_lgc	0		
k_IGNDiagTime_mS_u16p0	3400		
tgt_Rte_Call_Ap_VehPwrMd_SystemTime_DtrmnElapsedTime_mS_u16_Ela	1230		
tgt_Rte_Call_Ap_VehPwrMd_SystemTime_GetSystemTime_mS_u32_Curren	89089		
Name	Actual Value	Expected Value	Result
IGNDiagStartTime_mS_M_u32p0	300	300	~
Rte_Call_Ap_VehPwrMd_NxtrDiagMgr_SetNTCStatus(NTC_Cnt_T_enum)	184	*none*	•
Rte_Call_Ap_VehPwrMd_NxtrDiagMgr_SetNTCStatus(Param_Cnt_T_u08)	1	*none*	~
Rte_Call_Ap_VehPwrMd_NxtrDiagMgr_SetNTCStatus(Status_Cnt_T_enum)	0	0	~

Test Step Call Trace				V
Actual Function	Count	Expected Function	Count	Result
Rte_Call_Ap_VehPwrMd_SystemTime_DtrmnElapsedTime_mS_u16	1	Rte_Call_Ap_VehPwrMd_SystemTime_DtrmnElapsedTime_mS_u16	1	~

Name	Input Value		
EPSEn_Cnt_T_lgc	1		
IGNDiagStartTime_mS_M_u32p0	400		
Rte_Call_Ap_VehPwrMd_SystemTime_DtrmnElapsedTime_mS_u16(ElapsedTime	tgt_Rte_Call_Ap_VehPwrMd_SystemTime_l	OtrmnElapsedTime_mS_u16_Ela	
Rte_Call_Ap_VehPwrMd_SystemTime_GetSystemTime_mS_u32(CurrentTime)	tgt_Rte_Call_Ap_VehPwrMd_SystemTime_0	GetSystemTime_mS_u32_Curren	
SrlComEngOn_Cnt_T_lgc	1		
SrlComSPMOn_Cnt_T_lgc	1		
k_IGNDiagTime_mS_u16p0	123		
tgt_Rte_Call_Ap_VehPwrMd_SystemTime_DtrmnElapsedTime_mS_u16_Ela	1230		
tgt_Rte_Call_Ap_VehPwrMd_SystemTime_GetSystemTime_mS_u32_Curren	89089		
Name	Actual Value	Expected Value	Result
IGNDiagStartTime_mS_M_u32p0	89089	89089	-
Rte_Call_Ap_VehPwrMd_NxtrDiagMgr_SetNTCStatus(NTC_Cnt_T_enum)	184	184	-
Rte Call Ap VehPwrMd NxtrDiagMgr SetNTCStatus(Param Cnt T u08)	1	1	- ·

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Name	Actual Value	Expected Value	Result
Rte_Call_Ap_VehPwrMd_NxtrDiagMgr_SetNTCStatus(Status_Cnt_T_enum)	0	0	✓

Test Step Call Trace				
Actual Function	Count	Expected Function	Count	Result
Rte_Call_Ap_VehPwrMd_NxtrDiagMgr_SetNTCStatus	1	Rte_Call_Ap_VehPwrMd_NxtrDiagMgr_SetNTCStatus	1	~
Rte_Call_Ap_VehPwrMd_SystemTime_GetSystemTime_mS_u32	1	Rte_Call_Ap_VehPwrMd_SystemTime_GetSystemTime_mS_u32	1	•

Test Step 3.5 (Repeat Count = 1)			
Name	Input Value		
EPSEn_Cnt_T_lgc	0		
IGNDiagStartTime_mS_M_u32p0	7485		
Rte_Call_Ap_VehPwrMd_SystemTime_DtrmnElapsedTime_mS_u16(ElapsedTime)	tgt_Rte_Call_Ap_VehPwrMd_SystemTime_[OtrmnElapsedTime_mS_u16_Ela	
Rte_Call_Ap_VehPwrMd_SystemTime_GetSystemTime_mS_u32(CurrentTime)	tgt_Rte_Call_Ap_VehPwrMd_SystemTime_GetSystemTime_mS_u32_Curren		
SrlComEngOn_Cnt_T_lgc	0		
SrlComSPMOn_Cnt_T_lgc	0		
k_IGNDiagTime_mS_u16p0	250		
tgt_Rte_Call_Ap_VehPwrMd_SystemTime_DtrmnElapsedTime_mS_u16_Ela	4525		
tgt_Rte_Call_Ap_VehPwrMd_SystemTime_GetSystemTime_mS_u32_Curren	7777		
Name	Actual Value	Expected Value	Result
IGNDiagStartTime_mS_M_u32p0	7777	7777	~
Rte_Call_Ap_VehPwrMd_NxtrDiagMgr_SetNTCStatus(NTC_Cnt_T_enum)	184	184	✓
Rte_Call_Ap_VehPwrMd_NxtrDiagMgr_SetNTCStatus(Param_Cnt_T_u08)	1	1	~
Rte_Call_Ap_VehPwrMd_NxtrDiagMgr_SetNTCStatus(Status_Cnt_T_enum)	0	0	✓

Test Step Call Trace					
Actual Function	Count	Expected Function	Count	Result	
Rte_Call_Ap_VehPwrMd_NxtrDiagMgr_SetNTCStatus	1	Rte_Call_Ap_VehPwrMd_NxtrDiagMgr_SetNTCStatus	1	~	
Rte Call Ap VehPwrMd SystemTime GetSystemTime mS u32	1	Rte Call Ap VehPwrMd SystemTime GetSystemTime mS u32	1	✓	

Test Step 3.6 (Repeat Count = 1)			
Name	Input Value		
EPSEn_Cnt_T_lgc	0		
IGNDiagStartTime_mS_M_u32p0	1596		
$Rte_Call_Ap_VehPwrMd_SystemTime_DtrmnElapsedTime_mS_u16(ElapsedTime)$	tgt_Rte_Call_Ap_VehPwrMd_SystemTime_0	OtrmnElapsedTime_mS_u16_Ela	
Rte_Call_Ap_VehPwrMd_SystemTime_GetSystemTime_mS_u32(CurrentTime)	tgt_Rte_Call_Ap_VehPwrMd_SystemTime_GetSystemTime_mS_u32_Curren		
SrlComEngOn_Cnt_T_lgc	0		
SrlComSPMOn_Cnt_T_lgc	1		
k_IGNDiagTime_mS_u16p0	300		
tgt_Rte_Call_Ap_VehPwrMd_SystemTime_DtrmnElapsedTime_mS_u16_Ela	4500		
tgt_Rte_Call_Ap_VehPwrMd_SystemTime_GetSystemTime_mS_u32_Curren	5555		
Name	Actual Value	Expected Value	Result
IGNDiagStartTime_mS_M_u32p0	1596	1596	~
Rte_Call_Ap_VehPwrMd_NxtrDiagMgr_SetNTCStatus(NTC_Cnt_T_enum)	184	184	~
Rte_Call_Ap_VehPwrMd_NxtrDiagMgr_SetNTCStatus(Param_Cnt_T_u08)	1	1	~
Rte_Call_Ap_VehPwrMd_NxtrDiagMgr_SetNTCStatus(Status_Cnt_T_enum)	1	1	~

Test Step Call Trace				
Actual Function	Count	Expected Function	Count	Result
Rte_Call_Ap_VehPwrMd_SystemTime_DtrmnElapsedTime_mS_u16	1	Rte_Call_Ap_VehPwrMd_SystemTime_DtrmnElapsedTime_mS_u16	1	~
Rte_Call_Ap_VehPwrMd_NxtrDiagMgr_SetNTCStatus	1	Rte_Call_Ap_VehPwrMd_NxtrDiagMgr_SetNTCStatus	1	~

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 Project
 VehPwrMd

 Module
 VehPwrMd

 Test Object
 VehPwrMd_Init1

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\VehPwrMd
Configuration File	D:\Synergy_Work_Area\VehPwrMd\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)\VehPwrMd\src\Ap_VehPwrMd.c
Compiler Options	-Dconst= -D_DATA_ACCESS= -Dstatic= -I\$(PROJECTROOT)\VehPwrMd\utp\contract -I\$(PROJECTROOT)\StdDef\unclude -I\$ (PROJECTROOT)\NxtrLib\include -I\$(Compiler Install Path)\unclude -I\$(PROJECTROOT)\VehPwrMd\unclude -I\$(PROJECTROOT) \VehPwrMd\utp\contract\Ap VehPwrMd

Comments/Descripti	on/Specification
Name	Text
Module 'VehPwrMd'	Name of Tester:Spoorti Mali Code File(s) Under Test: Ap_VehPwrMd.c Code File(s) Version:2 Module Design Document:Vehicle_Power_Mode_MDD.docx Module Design Document Version:1 Data Dictionary Version:2 Unit Test Plan Version:2 Optimization Level:Level 2 Compiler (CodeGen) Version:TMS470_4.9.5 Model Type:Excel Macro Model Version:Nexteer EPS Unit Test Tool 2.7d/EPS Library 1.32 Total FLASH Used (Bytes):416 Total RAM Used (Bytes):416 Total RAM Used (Bytes):41 Special Test Requirements: Test Date:07-03-2015 Comments:"Note 1: Inline functions defined in globalmacro.h are not unit tested. Note 2: ""CBD_Sandbox_dbg.map""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\UDE 3.2
Timer Enabled	false
Timer Prescale	0
Timer Resolution	1
Timer Unit	Cycles
UDE Config File	\$(PROJECTROOT)\UnitTestEnv\config\TMS570_UDE_12PIN_JTAG.cfg
Workspace File	D:\Synergy_Work_Area\VehPwrMd\UnitTestEnv\config\UDE_TMS570_DEBUG.WSP



Test Case 1: Boundary Test

Specification

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

Cycles:

TS1.1 15.00 Cycles TS1.2 15.00 Cycles TS1.3 15.00 Cycles TS1.4 15.00 Cycles TS1.5 15.00 Cycles

Description

Vector Description:

TS1.1k_RampDnRt_UlspmS_f32=>Min TS1.2k_RampDnRt_UlspmS_f32=>Max TS1.3k_RampDnRt_UlspmS_f32=>Mid/Default TS1.4All min TS1.5All max

Test Step 1.1 (Repeat Count = 1)			
Name	Input Value		
Rte_Inst_Ap_VehPwrMd	tgt_Rte_Inst_Ap_VehPwrMd		
k_RampDnRt_UlspmS_f32	2.99999992e-005		
tgt_Rte_Inst_Ap_VehPwrMd.VehPwrMd_Init1_OperRampRate_XpmS_f32	tgt_VehPwrMd_Init1_OperRampRate_XpmS_f32		
tgt_Rte_Inst_Ap_VehPwrMd.VehPwrMd_Init1_OperRampValue_Uls_f32	tgt_VehPwrMd_Init1_OperRampValue_Uls_f32		
Name	Actual Value	Expected Value	Result
tgt_VehPwrMd_Init1_OperRampRate_XpmS_f32.value	2.99999992e-005	2.99999992e-005 ± 0.0001	~
tgt_VehPwrMd_Init1_OperRampValue_Uls_f32.value	0	0 ± 0.00390625	~

Test Step 1.2 (Repeat Count = 1)			✓
Name	Input Value		
Rte_Inst_Ap_VehPwrMd	tgt_Rte_Inst_Ap_VehPwrMd		
k_RampDnRt_UlspmS_f32	1		
tgt_Rte_Inst_Ap_VehPwrMd.VehPwrMd_Init1_OperRampRate_XpmS_f32	tgt_VehPwrMd_Init1_OperRa	mpRate_XpmS_f32	
tgt_Rte_Inst_Ap_VehPwrMd.VehPwrMd_Init1_OperRampValue_Uls_f32	tgt_VehPwrMd_Init1_OperRa	mpValue_Uls_f32	
Name	Actual Value	Expected Value	Result
tgt_VehPwrMd_Init1_OperRampRate_XpmS_f32.value	1	1 ± 0.0001	~
tgt VehPwrMd Init1 OperRampValue Uls f32.value	0	0 ± 0.00390625	✓

Test Step 1.3 (Repeat Count = 1)				
Name	Input Value			
Rte_Inst_Ap_VehPwrMd	tgt_Rte_Inst_Ap_VehPwrMd			
k_RampDnRt_UlspmS_f32	0.000500000024			
tgt_Rte_Inst_Ap_VehPwrMd.VehPwrMd_Init1_OperRampRate_XpmS_f32	tgt_VehPwrMd_Init1_OperRampRate_XpmS_f32			
tgt_Rte_Inst_Ap_VehPwrMd.VehPwrMd_Init1_OperRampValue_Uls_f32	tgt_VehPwrMd_Init1_OperRamp	tgt_VehPwrMd_Init1_OperRampValue_Uls_f32		
Name	Actual Value	Expected Value	Result	
tgt_VehPwrMd_Init1_OperRampRate_XpmS_f32.value	0.000500000024	0.000500000024 ± 0.0001	~	
tgt_VehPwrMd_Init1_OperRampValue_Uls_f32.value	0	0 ± 0.00390625	~	

Test Step 1.4 (Repeat Count = 1)			✓	
Name	Input Value			
Rte_Inst_Ap_VehPwrMd	tgt_Rte_Inst_Ap_VehPwrMd			
k_RampDnRt_UlspmS_f32	2.99999992e-005			
tgt_Rte_Inst_Ap_VehPwrMd.VehPwrMd_Init1_OperRampRate_XpmS_f32	tgt_VehPwrMd_Init1_OperRam	pRate_XpmS_f32		
tgt_Rte_Inst_Ap_VehPwrMd.VehPwrMd_Init1_OperRampValue_Uls_f32	tgt_VehPwrMd_Init1_OperRam	tgt_VehPwrMd_Init1_OperRampValue_Uls_f32		
Name	Actual Value	Expected Value	Result	
tgt_VehPwrMd_Init1_OperRampRate_XpmS_f32.value	2.99999992e-005	2.99999992e-005 ± 0.0001	~	
tgt VehPwrMd Init1 OperRampValue Uls f32.value	0	0 ± 0.00390625	✓	

Test Step 1.5 (Repeat Count = 1)	✓
Name	Input Value
Rte_Inst_Ap_VehPwrMd	tgt_Rte_Inst_Ap_VehPwrMd
k_RampDnRt_UlspmS_f32	1
tgt_Rte_Inst_Ap_VehPwrMd.VehPwrMd_Init1_OperRampRate_XpmS_f32	tgt_VehPwrMd_Init1_OperRampRate_XpmS_f32

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VehPwrMd_Init1

Name	Input Value		
tgt_Rte_Inst_Ap_VehPwrMd.VehPwrMd_Init1_OperRampValue_Uls_f32	tgt_VehPwrMd_Init1_OperRampValue_Uls_f32		
Name	Actual Value	Expected Value	Result
tgt_VehPwrMd_Init1_OperRampRate_XpmS_f32.value	1	1 ± 0.0001	~
tgt_VehPwrMd_Init1_OperRampValue_Uls_f32.value	0	0 ± 0.00390625	~

VehPwrMd_Per1

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Project	VehPwrMd
Module	VehPwrMd
Test Object	VehPwrMd_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\VehPwrMd	
Configuration File	D:\Synergy_Work_Area\VehPwrMd\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)\VehPwrMd\src\Ap_VehPwrMd.c	
Compiler Options	-Dconst= -D_DATA_ACCESS= -Dstatic= -l\$(PROJECTROOT)\VehPwrMd\utp\contract -l\$(PROJECTROOT)\StdDef\unclude -l\$ (PROJECTROOT)\NxtrLib\unclude -l\$(Compiler Install Path)\unclude -l\$(PROJECTROOT)\VehPwrMd\unclude -l\$(PROJECTROOT) \VehPwrMd\unclude -l\$(PROJECTROOT) \VehPwrMd\unclude -l\$(PROJECTROOT)	

Name	Text
Module "VehPwrMd"	Name of Tester:Spoorti Mali Code File(s) Under Test: Ap_VehPwrMd.c Code File(s) Version:2 Module Design Document:Vehicle_Power_Mode_MDD.docx Module Design Document Version:1 Data Dictionary Version:2 Unit Test Plan Version:2 Optimization Level:Level 2 Compiler (CodeGen) Version:TMS470_4.9.5 Model Type:Excel Macro Model Version:Nexteer EPS Unit Test Tool 2.7d/EPS Library 1.32 Total FLASH Used (Bytes):416 Total RAM Used (Bytes):416 Total RAM Used (Bytes):14 Special Test Requirements: Test Date:07-03-2015 Comments:"Note 1: Inline functions defined in globalmacro.h are not unit tested. Note 2: ""CBD_Sandbox_dbg.map""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\UDE 3.2	
Timer Enabled	false	
Timer Prescale	0	
Timer Resolution	1	
Timer Unit	Cycles	

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VehPwrMd_Per1



Attributes		
Name	Value	
UDE Config File	\$(PROJECTROOT)\UnitTestEnv\config\TMS570_UDE_12PIN_JTAG.cfg	
Workspace File	D:\Synergy_Work_Area\VehPwrMd\UnitTestEnv\config\UDE_TMS570_DEBUG.WSP	



Test Step 1.1 (Repeat Count = 1)			•
Name	Input Value		
IGNDiagStartTime_mS_M_u32p0	1234	1234	
Rte_Call_Ap_VehPwrMd_EpsEn_OP_GET(signal)	tgt_Rte_Call_Ap_VehPwrMd_EpsEn_OP_GET_signal		
Rte_Call_Ap_VehPwrMd_NxtrDiagMgr_GetNTCFailed(NTCFailed_Ptr_T_lgc)	tgt_Rte_Call_Ap_VehPwrMd_NxtrDiagMgr_0	GetNTCFailed_NTCFailed_Ptr	
Rte_Call_Ap_VehPwrMd_SystemTime_DtrmnElapsedTime_mS_u16(ElapsedTime	tgt_Rte_Call_Ap_VehPwrMd_SystemTime_[OtrmnElapsedTime_mS_u16_Ela	
Rte_Call_Ap_VehPwrMd_SystemTime_GetSystemTime_mS_u32(CurrentTime)	tgt_Rte_Call_Ap_VehPwrMd_SystemTime_0	GetSystemTime_mS_u32_Curren	
Rte_Inst_Ap_VehPwrMd	tgt_Rte_Inst_Ap_VehPwrMd		
Rte_Mode_Ap_VehPwrMd_SystemState_Mode()	0		
k_IGNDiagTime_mS_u16p0	300		
k_RampDnRt_UlspmS_f32	0.100000001		
k_RampUpRtLoSpd_UlspmS_f32	0.200000003		
k_RmpDnAsstVehSpdLimit_Kph_f32	125.300003		
tgt_Rte_Call_Ap_VehPwrMd_EpsEn_OP_GET_signal	0		
tgt_Rte_Call_Ap_VehPwrMd_NxtrDiagMgr_GetNTCFailed_NTCFailed_Ptr	0		
tgt_Rte_Call_Ap_VehPwrMd_SystemTime_DtrmnElapsedTime_mS_u16_Ela	4500		
tgt_Rte_Call_Ap_VehPwrMd_SystemTime_GetSystemTime_mS_u32_Curren	5555		
tgt_Rte_Inst_Ap_VehPwrMd.VehPwrMd_Per1_ATermActive_Cnt_Igc	tgt_VehPwrMd_Per1_ATermActive_Cnt_lgc		
tgt_Rte_Inst_Ap_VehPwrMd.VehPwrMd_Per1_CTermActive_Cnt_lgc	tgt_VehPwrMd_Per1_CTermActive_Cnt_lgc		
tgt_Rte_Inst_Ap_VehPwrMd.VehPwrMd_Per1_EngONSrlComSvcDft_Cnt_lgc	tgt_VehPwrMd_Per1_EngONSrlComSvcDft_	_Cnt_lgc	
tgt_Rte_Inst_Ap_VehPwrMd.VehPwrMd_Per1_OperRampRate_XpmS_f32	tgt_VehPwrMd_Per1_OperRampRate_XpmS_f32		
tgt_Rte_Inst_Ap_VehPwrMd.VehPwrMd_Per1_OperRampValue_Uls_f32	tgt_VehPwrMd_Per1_OperRampValue_Uls_f32		
tgt_Rte_Inst_Ap_VehPwrMd.VehPwrMd_Per1_SrlComEngOn_Cnt_lgc	tgt_VehPwrMd_Per1_SrlComEngOn_Cnt_lgc		
tgt_Rte_Inst_Ap_VehPwrMd.VehPwrMd_Per1_SrlComSPMOn_Cnt_lgc	tgt_VehPwrMd_Per1_SrlComSPMOn_Cnt_lgc		
tgt_Rte_Inst_Ap_VehPwrMd.VehPwrMd_Per1_VehSpdValid_Cnt_lgc	tgt_VehPwrMd_Per1_VehSpdValid_Cnt_lgc		
tgt_Rte_Inst_Ap_VehPwrMd.VehPwrMd_Per1_VehSpd_Kph_f32	tgt_VehPwrMd_Per1_VehSpd_Kph_f32		
tgt_VehPwrMd_Per1_EngONSrlComSvcDft_Cnt_lgc.value	0		
tgt_VehPwrMd_Per1_SrlComEngOn_Cnt_lgc.value	0		
tgt_VehPwrMd_Per1_SrlComSPMOn_Cnt_lgc.value	1		
tgt_VehPwrMd_Per1_VehSpdValid_Cnt_lgc.value	0		
tgt_VehPwrMd_Per1_VehSpd_Kph_f32.value 120.300003			
Name	Actual Value	Expected Value	Resul
IGNDiagStartTime_mS_M_u32p0	1234	1234	
Rte_Call_Ap_VehPwrMd_NxtrDiagMgr_SetNTCStatus(NTC_Cnt_T_enum)	184	184	
Rte_Call_Ap_VehPwrMd_NxtrDiagMgr_SetNTCStatus(Param_Cnt_T_u08)	1	1	
Rte_Call_Ap_VehPwrMd_NxtrDiagMgr_SetNTCStatus(Status_Cnt_T_enum)	1	1	•
tgt_VehPwrMd_Per1_ATermActive_Cnt_lgc.value	1	1	
tgt_VehPwrMd_Per1_CTermActive_Cnt_lgc.value	0	0	
tgt_VehPwrMd_Per1_OperRampRate_XpmS_f32.value	0.10000001	0.100000001 ± 0.0001	•
tgt_VehPwrMd_Per1_OperRampValue_Uls_f32.value	0	0 ± 0.00390625	

Test Step Call Trace				
Actual Function	Count	Expected Function	Count	Result
Rte_Call_Ap_VehPwrMd_EpsEn_OP_GET	1	Rte_Call_Ap_VehPwrMd_EpsEn_OP_GET	1	~
Rte_Call_Ap_VehPwrMd_NxtrDiagMgr_GetNTCFailed	1	Rte_Call_Ap_VehPwrMd_NxtrDiagMgr_GetNTCFailed	1	~
Rte_Mode_Ap_VehPwrMd_SystemState_Mode	1	Rte_Mode_Ap_VehPwrMd_SystemState_Mode	1	•
IgnFailureDiag	1	IgnFailureDiag	1	•
Rte_Call_Ap_VehPwrMd_SystemTime_DtrmnElapsedTime_mS_u16	1	Rte_Call_Ap_VehPwrMd_SystemTime_DtrmnElapsedTime_mS_u16	1	~
Rte_Call_Ap_VehPwrMd_NxtrDiagMgr_SetNTCStatus	1	Rte_Call_Ap_VehPwrMd_NxtrDiagMgr_SetNTCStatus	1	•
Rte_Call_VehPwrMd_Per1_CP1_CheckpointReached	1	Rte_Call_VehPwrMd_Per1_CP1_CheckpointReached	1	~



Test Step 1.2 (Repeat Count = 1) Name	Input Value		
IGNDiagStartTime mS M u32p0	645		
Rte Call Ap VehPwrMd EpsEn OP GET(signal)	tgt Rte Call Ap VehPwrMd EpsEn OP GET signal		
Rte Call Ap VehPwrMd NxtrDiagMgr GetNTCFailed(NTCFailed Ptr T lgc)	tgt Rte Call Ap VehPwrMd NxtrDiag		
Rte_Call_Ap_vcfir white_rvatiblegingr_SettvTof allect(vTof allect_rte_rigg) Rte_Call_Ap_vcfir white_rvatiblegingr_SettvTof allect(vTof allect_rte_rigg) Rte_Call_Ap_vcfir white_rvatiblegingr_SettvTof allect(vTof allect_rte_rigg)		Time DtrmnElapsedTime mS u16 Ela	
Rte_Call_Ap_VehPwrMd_SystemTime_GetSystemTime_mS_u32(CurrentTime)		Time_GetSystemTime_mS_u32_Curren	
Rte Inst Ap VehPwrMd	tgt Rte Inst Ap VehPwrMd	Time_detayatamTime_md_ud2_duTen	
Rte_Mode_Ap_VehPwrMd_SystemState_Mode()	4		
k IGNDiagTime mS u16p0	4000		
k RampDnRt UlspmS f32	0.200000003		
k RampUpRtLoSpd UlspmS f32	0.300000012		
k_RmpDnAsstVehSpdLimit_Kph_f32	254.100006		
tgt Rte Call Ap VehPwrMd EpsEn OP GET signal	1		
tgt_Rte_Call_Ap_VehPwrMd_NxtrDiagMgr_GetNTCFailed_NTCFailed_Ptr	1		
tgt_Rte_Call_Ap_vehPwrMd_SystemTime_DtrmnElapsedTime_mS_u16_Ela	3000		
tgt Rte Call Ap VehPwrMd SystemTime GetSystemTime mS u32 Curren	6666		
tgt_Rte_lnst_Ap_vehPwrMd.VehPwrMd_Per1_ATermActive_Cnt_lgc		nt lac	
gt Rte Inst Ap VehPwrMd.VehPwrMd Per1 CTermActive Cnt Igc	tgt_VehPwrMd_Per1_ATermActive_C		
gt_Rte_Inst_Ap_veril* wind.veril* wind_Per1_Creminctive_Crit_gc	tgt_VehPwrMd_Per1_CTermActive_Cnt_lgc		
tgt Rte Inst Ap VehPwrMd.VehPwrMd Per1 OperRampRate XpmS f32	tgt_VehPwrMd_Per1_EngONSrlComSvcDft_Cnt_lgc		
	tgt_VehPwrMd_Per1_OperRampRate_XpmS_f32		
gt_Rte_Inst_Ap_VehPwrMd.VehPwrMd_Per1_OperRampValue_Uls_f32 gt_Rte_Inst_Ap_VehPwrMd.VehPwrMd_Per1_SrlComEngOn_Cnt_Igc	tgt_VehPwrMd_Per1_OperRampValue_Uls_f32		
gt_Rte_Inst_Ap_venFwiMd.VenFwiMd_Fen_ShComSPMOn_Cht_lgc	tgt_VehPwrMd_Per1_SrlComEngOn_Cnt_lgc		
	tgt_VehPwrMd_Per1_SrlComSPMOn_Cnt_lgc		
gt_Rte_Inst_Ap_VehPwrMd.VehPwrMd_Per1_VehSpdValid_Cnt_Igc gt_Rte_Inst_Ap_VehPwrMd.VehPwrMd_Per1_VehSpd_Kph_f32	tgt_VehPwrMd_Per1_VehSpdValid_Cnt_lgc		
	tgt_VehPwrMd_Per1_VehSpd_Kph_f3	5Z	
gt_VehPwrMd_Per1_EngONSrlComSvcDft_Cnt_lgc.value	1		
gt_VehPwrMd_Per1_SrlComEngOn_Cnt_lgc.value	0		
gt_VehPwrMd_Per1_SrlComSPMOn_Cnt_lgc.value	1		
tgt_VehPwrMd_Per1_VehSpdValid_Cnt_lgc.value			
tgt_VehPwrMd_Per1_VehSpd_Kph_f32.value	250.5	l=	1_
Name	Actual Value	Expected Value	Resu
IGNDiagStartTime_mS_M_u32p0	6666	6666	•
Rte_Call_Ap_VehPwrMd_NxtrDiagMgr_SetNTCStatus(NTC_Cnt_T_enum)	184	184	,
Rte_Call_Ap_VehPwrMd_NxtrDiagMgr_SetNTCStatus(Param_Cnt_T_u08)	1	1	
Rte_Call_Ap_VehPwrMd_NxtrDiagMgr_SetNTCStatus(Status_Cnt_T_enum)	0	0	•
		1	
	1	'	,
tgt_VehPwrMd_Per1_ATermActive_Cnt_lgc.value tgt_VehPwrMd_Per1_CTermActive_Cnt_lgc.value	1	1	
	1 1 0.300000012	1 0.300000012 ± 0.0001	

Test Step Call Trace				
Actual Function	Count	Expected Function	Count	Result
Rte_Call_Ap_VehPwrMd_EpsEn_OP_GET	1	Rte_Call_Ap_VehPwrMd_EpsEn_OP_GET	1	~
Rte_Call_Ap_VehPwrMd_NxtrDiagMgr_GetNTCFailed	1	Rte_Call_Ap_VehPwrMd_NxtrDiagMgr_GetNTCFailed	1	~
Rte_Mode_Ap_VehPwrMd_SystemState_Mode	1	Rte_Mode_Ap_VehPwrMd_SystemState_Mode	1	•
IgnFailureDiag	1	IgnFailureDiag	1	•
Rte_Call_Ap_VehPwrMd_NxtrDiagMgr_SetNTCStatus	1	Rte_Call_Ap_VehPwrMd_NxtrDiagMgr_SetNTCStatus	1	~
Rte_Call_Ap_VehPwrMd_SystemTime_GetSystemTime_mS_u32	1	Rte_Call_Ap_VehPwrMd_SystemTime_GetSystemTime_mS_u32	1	•
Rte Call VehPwrMd Per1 CP1 CheckpointReached	1	Rte Call VehPwrMd Per1 CP1 CheckpointReached	1	_

1 ± 0.00390625

tgt_VehPwrMd_Per1_OperRampValue_Uls_f32.value



Test Case 2: Boundary Test

Specification

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

Cycles:

TS2.1 3615.00 Cycles
TS2.2 3411.00 Cycles
TS2.2 3411.00 Cycles
TS2.3 3461.00 Cycles
TS2.4 3372.00 Cycles
TS2.5 3439.00 Cycles
TS2.6 3372.00 Cycles
TS2.7 3439.00 Cycles
TS2.8 3372.00 Cycles
TS2.8 3470.00 Cycles
TS2.10 3408.00 Cycles
TS2.11 3441.00 Cycles
TS2.12 3450.00 Cycles
TS2.12 3450.00 Cycles
TS2.13 3540.00 Cycles
TS2.14 3417.00 Cycles
TS2.15 3481.00 Cycles
TS2.15 3494.00 Cycles
TS2.16 3494.00 Cycles
TS2.17 3408.00 Cycles
TS2.18 3496.00 Cycles
TS2.19 3424.00 Cycles
TS2.19 3424.00 Cycles
TS2.20 3343.00 Cycles
TS2.21 2956.00 Cycles
TS2.22 3465.00 Cycles
TS2.23 3382.00 Cycles
TS2.24 3424.00 Cycles
TS2.25 3415.00 Cycles
TS2.26 3373.00 Cycles
TS2.27 3441.00 Cycles
TS2.28 3408.00 Cycles
TS2.29 3372.00 Cycles
TS2.29 3372.00 Cycles
TS2.31 3372.00 Cycles
TS2.33 3423.00 Cycles
TS2.31 3372.00 Cycles
TS2.33 3374.00 Cycles

Description

Vector Description:

TS2.1EngONSrlComSvcDft_Cnt_lgc=>Min
TS2.2EngONSrlComSvcDft_Cnt_lgc=>Max
TS2.3SrlComEngOn_Cnt_lgc=>Min
TS2.4SrlComEngOn_Cnt_lgc=>Min
TS2.4SrlComSPMOn_Cnt_lgc=>Max
TS2.5SrlComSPMOn_Cnt_lgc=>Min
TS2.6SrlComSPMOn_Cnt_lgc=>Max
TS2.7VehSpdValid_Cnt_lgc=>Min
TS2.8VehSpdValid_Cnt_lgc=>Min
TS2.8VehSpdValid_Cnt_lgc=>Min
TS2.8VehSpdValid_Cnt_lgc=>Min
TS2.10VehSpd_Kph_f32=>Min
TS2.10VehSpd_Kph_f32=>Min
TS2.10VehSpd_Kph_f32=>Min
TS2.11VehSpd_Kph_f32=>Min
TS2.13k_RmpDnAsstVehSpdLimit_Kph_f32=Min
TS2.13k_RmpDnAsstVehSpdLimit_Kph_f32=Min
TS2.15k_RmpDnAsstVehSpdLimit_Kph_f32=Mid
TS2.15k_RmpDnAsstVehSpdLimit_Kph_f32=Default
TS2.16k_RampDnRt_UlspmS_f32=>Min
TS2.17k_RampDnRt_UlspmS_f32=>Min
TS2.17k_RampDnRt_UlspmS_f32=>Min
TS2.19k_RampUpRtLoSpd_UlspmS_f32=>Min
TS2.20k_RampUpRtLoSpd_UlspmS_f32=>Mid/Default
TS2.22Rte_Call_NxtrDiagMgr_GetNTCFailed=Min
TS2.23Rte_Call_NxtrDiagMgr_GetNTCFailed=>Max
TS2.24Rte_Mode_SystemState_Mode=>RTE_MODE_StaMd_Mode_OFF
TS2.26Rte_Mode_SystemState_Mode=>RTE_MODE_StaMd_Mode_OFF
TS2.26Rte_Mode_SystemState_Mode=>RTE_MODE_StaMd_Mode_OPERATE
TS2.27Rte_Mode_SystemState_Mode=>RTE_MODE_StaMd_Mode_WARMINIT
TS2.28Rte_Call_EpsEn_OP_GET=>Min
TS2.30Rte_Call_EpsEn_OP_GET=>Min
TS2.30Rte_Call_EpsEn_OP_GET=>Min
TS2.30Rte_Call_EpsEn_OP_GET=>Min
TS2.32All_max

Test Step 2.1 (Repeat Count = 1)	🗸
Name	Input Value
IGNDiagStartTime_mS_M_u32p0	1234
Rte_Call_Ap_VehPwrMd_EpsEn_OP_GET(signal)	tgt_Rte_Call_Ap_VehPwrMd_EpsEn_OP_GET_signal
Rte_Call_Ap_VehPwrMd_NxtrDiagMgr_GetNTCFailed(NTCFailed_Ptr_T_lgc)	tgt_Rte_Call_Ap_VehPwrMd_NxtrDiagMgr_GetNTCFailed_NTCFailed_Ptr
$Rte_Call_Ap_VehPwrMd_SystemTime_DtrmnElapsedTime_mS_u16(ElapsedTime)$	tgt_Rte_Call_Ap_VehPwrMd_SystemTime_DtrmnElapsedTime_mS_u16_Ela
Rte_Call_Ap_VehPwrMd_SystemTime_GetSystemTime_mS_u32(CurrentTime)	tgt_Rte_Call_Ap_VehPwrMd_SystemTime_GetSystemTime_mS_u32_Curren
Rte_Inst_Ap_VehPwrMd	tgt_Rte_Inst_Ap_VehPwrMd
Rte_Mode_Ap_VehPwrMd_SystemState_Mode()	0
k_IGNDiagTime_mS_u16p0	300
k_RampDnRt_UlspmS_f32	0.100000001
k_RampUpRtLoSpd_UlspmS_f32	0.200000003
k_RmpDnAsstVehSpdLimit_Kph_f32	125.300003
tgt_Rte_Call_Ap_VehPwrMd_EpsEn_OP_GET_signal	0
tgt_Rte_Call_Ap_VehPwrMd_NxtrDiagMgr_GetNTCFailed_NTCFailed_Ptr	0
tgt_Rte_Call_Ap_VehPwrMd_SystemTime_DtrmnElapsedTime_mS_u16_Ela	4500
tgt_Rte_Call_Ap_VehPwrMd_SystemTime_GetSystemTime_mS_u32_Curren	5555
tgt_Rte_Inst_Ap_VehPwrMd.VehPwrMd_Per1_ATermActive_Cnt_Igc	tgt_VehPwrMd_Per1_ATermActive_Cnt_lgc

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VehPwrMd_Per1

Name	Input Value		
tgt_Rte_Inst_Ap_VehPwrMd.VehPwrMd_Per1_CTermActive_Cnt_lgc	tgt_VehPwrMd_Per1_CTermActive_Cnt_lgc		
$tgt_Rte_Inst_Ap_VehPwrMd.VehPwrMd_Per1_EngONSrlComSvcDft_Cnt_lgc$	tgt_VehPwrMd_Per1_EngONSrlComSvcDft_	Cnt_lgc	
tgt_Rte_Inst_Ap_VehPwrMd.VehPwrMd_Per1_OperRampRate_XpmS_f32	tgt_VehPwrMd_Per1_OperRampRate_XpmS	_f32	
tgt_Rte_Inst_Ap_VehPwrMd.VehPwrMd_Per1_OperRampValue_Uls_f32	tgt_VehPwrMd_Per1_OperRampValue_Uls_1	32	
tgt_Rte_Inst_Ap_VehPwrMd.VehPwrMd_Per1_SrlComEngOn_Cnt_lgc	tgt_VehPwrMd_Per1_SrlComEngOn_Cnt_lgd	;	
tgt_Rte_Inst_Ap_VehPwrMd.VehPwrMd_Per1_SrlComSPMOn_Cnt_lgc	tgt_VehPwrMd_Per1_SrlComSPMOn_Cnt_lg	С	
tgt_Rte_Inst_Ap_VehPwrMd.VehPwrMd_Per1_VehSpdValid_Cnt_lgc	tgt_VehPwrMd_Per1_VehSpdValid_Cnt_lgc		
tgt_Rte_Inst_Ap_VehPwrMd.VehPwrMd_Per1_VehSpd_Kph_f32	tgt_VehPwrMd_Per1_VehSpd_Kph_f32		
tgt_VehPwrMd_Per1_EngONSrlComSvcDft_Cnt_lgc.value	0		
tgt_VehPwrMd_Per1_SrlComEngOn_Cnt_lgc.value	0		
tgt_VehPwrMd_Per1_SrlComSPMOn_Cnt_lgc.value	1		
tgt_VehPwrMd_Per1_VehSpdValid_Cnt_lgc.value	0		
tgt_VehPwrMd_Per1_VehSpd_Kph_f32.value	120.300003		
Name	Actual Value	Expected Value	Result

tgt_VehPwrMd_Per1_VehSpd_Kph_f32.value	120.300003		
Name	Actual Value	Expected Value	Result
IGNDiagStartTime_mS_M_u32p0	1234	1234	~
Rte_Call_Ap_VehPwrMd_NxtrDiagMgr_SetNTCStatus(NTC_Cnt_T_enum)	184	184	•
Rte_Call_Ap_VehPwrMd_NxtrDiagMgr_SetNTCStatus(Param_Cnt_T_u08)	1	1	~
Rte_Call_Ap_VehPwrMd_NxtrDiagMgr_SetNTCStatus(Status_Cnt_T_enum)	1	1	•
tgt_VehPwrMd_Per1_ATermActive_Cnt_lgc.value	1	1	~
tgt_VehPwrMd_Per1_CTermActive_Cnt_lgc.value	0	0	~
tgt_VehPwrMd_Per1_OperRampRate_XpmS_f32.value	0.100000001	0.100000001 ± 0.0001	~
tgt_VehPwrMd_Per1_OperRampValue_Uls_f32.value	0	0 ± 0.00390625	✓

Test Step Call Trace				✓
Actual Function	Count	Expected Function	Count	Result
Rte_Call_Ap_VehPwrMd_EpsEn_OP_GET	1	Rte_Call_Ap_VehPwrMd_EpsEn_OP_GET	1	~
Rte_Call_Ap_VehPwrMd_NxtrDiagMgr_GetNTCFailed	1	Rte_Call_Ap_VehPwrMd_NxtrDiagMgr_GetNTCFailed	1	~
Rte_Mode_Ap_VehPwrMd_SystemState_Mode	1	Rte_Mode_Ap_VehPwrMd_SystemState_Mode	1	~
IgnFailureDiag	1	IgnFailureDiag	1	•
Rte_Call_Ap_VehPwrMd_SystemTime_DtrmnElapsedTime_mS_u16	1	Rte_Call_Ap_VehPwrMd_SystemTime_DtrmnElapsedTime_mS_u16	1	~
Rte_Call_Ap_VehPwrMd_NxtrDiagMgr_SetNTCStatus	1	Rte_Call_Ap_VehPwrMd_NxtrDiagMgr_SetNTCStatus	1	~
Rte_Call_VehPwrMd_Per1_CP1_CheckpointReached	1	Rte_Call_VehPwrMd_Per1_CP1_CheckpointReached	1	~

Name	Input Value		
IGNDiagStartTime_mS_M_u32p0	645		
Rte_Call_Ap_VehPwrMd_EpsEn_OP_GET(signal)	tgt_Rte_Call_Ap_VehPwrMd_EpsEn_OP_G	ET_signal	
Rte_Call_Ap_VehPwrMd_NxtrDiagMgr_GetNTCFailed(NTCFailed_Ptr_T_lgc)	tgt_Rte_Call_Ap_VehPwrMd_NxtrDiagMgr_	GetNTCFailed_NTCFailed_Ptr	
Rte_Call_Ap_VehPwrMd_SystemTime_DtrmnElapsedTime_mS_u16(ElapsedTime)	tgt_Rte_Call_Ap_VehPwrMd_SystemTime_l	DtrmnElapsedTime_mS_u16_Ela	
Rte_Call_Ap_VehPwrMd_SystemTime_GetSystemTime_mS_u32(CurrentTime)	tgt_Rte_Call_Ap_VehPwrMd_SystemTime_0	GetSystemTime_mS_u32_Curren	
Rte_Inst_Ap_VehPwrMd	tgt_Rte_Inst_Ap_VehPwrMd		
Rte_Mode_Ap_VehPwrMd_SystemState_Mode()	4		
k_IGNDiagTime_mS_u16p0	4000		
k_RampDnRt_UlspmS_f32	0.200000003		
k_RampUpRtLoSpd_UlspmS_f32	0.300000012		
k_RmpDnAsstVehSpdLimit_Kph_f32	254.100006		
tgt_Rte_Call_Ap_VehPwrMd_EpsEn_OP_GET_signal	1		
tgt_Rte_Call_Ap_VehPwrMd_NxtrDiagMgr_GetNTCFailed_NTCFailed_Ptr	1		
tgt_Rte_Call_Ap_VehPwrMd_SystemTime_DtrmnElapsedTime_mS_u16_Ela	3000		
tgt_Rte_Call_Ap_VehPwrMd_SystemTime_GetSystemTime_mS_u32_Curren	6666		
tgt_Rte_Inst_Ap_VehPwrMd.VehPwrMd_Per1_ATermActive_Cnt_Igc	tgt_VehPwrMd_Per1_ATermActive_Cnt_lgc		
tgt_Rte_Inst_Ap_VehPwrMd.VehPwrMd_Per1_CTermActive_Cnt_Igc	tgt_VehPwrMd_Per1_CTermActive_Cnt_lgc		
tgt_Rte_Inst_Ap_VehPwrMd.VehPwrMd_Per1_EngONSrlComSvcDft_Cnt_lgc	tgt_VehPwrMd_Per1_EngONSrlComSvcDft_	_Cnt_lgc	
tgt_Rte_Inst_Ap_VehPwrMd.VehPwrMd_Per1_OperRampRate_XpmS_f32	tgt_VehPwrMd_Per1_OperRampRate_Xpm	S_f32	
tgt_Rte_Inst_Ap_VehPwrMd.VehPwrMd_Per1_OperRampValue_Uls_f32	tgt_VehPwrMd_Per1_OperRampValue_Uls_	_f32	
tgt_Rte_Inst_Ap_VehPwrMd.VehPwrMd_Per1_SrlComEngOn_Cnt_lgc	tgt_VehPwrMd_Per1_SrlComEngOn_Cnt_lg	c	
tgt_Rte_Inst_Ap_VehPwrMd.VehPwrMd_Per1_SrlComSPMOn_Cnt_lgc	tgt_VehPwrMd_Per1_SrlComSPMOn_Cnt_I	gc	
tgt_Rte_Inst_Ap_VehPwrMd.VehPwrMd_Per1_VehSpdValid_Cnt_Igc	tgt_VehPwrMd_Per1_VehSpdValid_Cnt_lgc		
tgt_Rte_Inst_Ap_VehPwrMd.VehPwrMd_Per1_VehSpd_Kph_f32	tgt_VehPwrMd_Per1_VehSpd_Kph_f32		
tgt_VehPwrMd_Per1_EngONSrlComSvcDft_Cnt_lgc.value	1		
tgt_VehPwrMd_Per1_SrlComEngOn_Cnt_lgc.value	1		
tgt_VehPwrMd_Per1_SrlComSPMOn_Cnt_lgc.value	0		
tgt_VehPwrMd_Per1_VehSpdValid_Cnt_lgc.value	1		
tgt_VehPwrMd_Per1_VehSpd_Kph_f32.value	250.5		
Name	Actual Value	Expected Value	Resul
IGNDiagStartTime_mS_M_u32p0	6666	6666	•
Rte_Call_Ap_VehPwrMd_NxtrDiagMgr_SetNTCStatus(NTC_Cnt_T_enum)	184	184	
	1.	I.	

0

0

Rte_Call_Ap_VehPwrMd_NxtrDiagMgr_SetNTCStatus(Param_Cnt_T_u08)

 $Rte_Call_Ap_VehPwrMd_NxtrDiagMgr_SetNTCStatus(Status_Cnt_T_enum)$

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Name	Actual Value	Expected Value	Result
tgt_VehPwrMd_Per1_CTermActive_Cnt_lgc.value	1	1	✓
tgt_VehPwrMd_Per1_OperRampRate_XpmS_f32.value	0.30000012	0.300000012 ± 0.0001	✓
tgt VehPwrMd Per1 OperRampValue Uls f32.value	1	1 ± 0.00390625	✓

Test Step Call Trace				✓
Actual Function	Count	Expected Function	Count	Result
Rte_Call_Ap_VehPwrMd_EpsEn_OP_GET	1	Rte_Call_Ap_VehPwrMd_EpsEn_OP_GET	1	~
Rte_Call_Ap_VehPwrMd_NxtrDiagMgr_GetNTCFailed	1	Rte_Call_Ap_VehPwrMd_NxtrDiagMgr_GetNTCFailed	1	•
Rte_Mode_Ap_VehPwrMd_SystemState_Mode	1	Rte_Mode_Ap_VehPwrMd_SystemState_Mode	1	~
IgnFailureDiag	1	IgnFailureDiag	1	•
Rte_Call_Ap_VehPwrMd_NxtrDiagMgr_SetNTCStatus	1	Rte_Call_Ap_VehPwrMd_NxtrDiagMgr_SetNTCStatus	1	~
Rte_Call_Ap_VehPwrMd_SystemTime_GetSystemTime_mS_u32	1	Rte_Call_Ap_VehPwrMd_SystemTime_GetSystemTime_mS_u32	1	~
Rte_Call_VehPwrMd_Per1_CP1_CheckpointReached	1	Rte_Call_VehPwrMd_Per1_CP1_CheckpointReached	1	-

Name	Input Value			
IGNDiagStartTime_mS_M_u32p0	6867	6867		
Rte_Call_Ap_VehPwrMd_EpsEn_OP_GET(signal)	tgt_Rte_Call_Ap_VehPwrMd_EpsEn_OP_G	tgt_Rte_Call_Ap_VehPwrMd_EpsEn_OP_GET_signal		
Rte_Call_Ap_VehPwrMd_NxtrDiagMgr_GetNTCFailed(NTCFailed_Ptr_T_lgc)	tgt_Rte_Call_Ap_VehPwrMd_NxtrDiagMgr_	GetNTCFailed_NTCFailed_Ptr		
Rte_Call_Ap_VehPwrMd_SystemTime_DtrmnElapsedTime_mS_u16(ElapsedTim	e) tgt_Rte_Call_Ap_VehPwrMd_SystemTime_	DtrmnElapsedTime_mS_u16_Ela		
Rte_Call_Ap_VehPwrMd_SystemTime_GetSystemTime_mS_u32(CurrentTime)	tgt_Rte_Call_Ap_VehPwrMd_SystemTime_	GetSystemTime_mS_u32_Curren		
Rte_Inst_Ap_VehPwrMd	tgt_Rte_Inst_Ap_VehPwrMd			
Rte_Mode_Ap_VehPwrMd_SystemState_Mode()	1			
k_IGNDiagTime_mS_u16p0	250			
k_RampDnRt_UlspmS_f32	0.300000012			
k_RampUpRtLoSpd_UlspmS_f32	0.40000006			
k_RmpDnAsstVehSpdLimit_Kph_f32	250.5			
tgt_Rte_Call_Ap_VehPwrMd_EpsEn_OP_GET_signal	0			
tgt_Rte_Call_Ap_VehPwrMd_NxtrDiagMgr_GetNTCFailed_NTCFailed_Ptr	0			
tgt_Rte_Call_Ap_VehPwrMd_SystemTime_DtrmnElapsedTime_mS_u16_Ela	4525			
tgt_Rte_Call_Ap_VehPwrMd_SystemTime_GetSystemTime_mS_u32_Curren	7777			
tgt_Rte_Inst_Ap_VehPwrMd.VehPwrMd_Per1_ATermActive_Cnt_lgc	tgt_VehPwrMd_Per1_ATermActive_Cnt_lgc	;		
tgt_Rte_Inst_Ap_VehPwrMd.VehPwrMd_Per1_CTermActive_Cnt_lgc	tgt_VehPwrMd_Per1_CTermActive_Cnt_lgd	;		
tgt_Rte_Inst_Ap_VehPwrMd.VehPwrMd_Per1_EngONSrlComSvcDft_Cnt_lgc	tgt_VehPwrMd_Per1_EngONSrlComSvcDft	tgt_VehPwrMd_Per1_EngONSrlComSvcDft_Cnt_lgc		
tgt_Rte_Inst_Ap_VehPwrMd.VehPwrMd_Per1_OperRampRate_XpmS_f32	tgt_VehPwrMd_Per1_OperRampRate_Xpm	tgt_VehPwrMd_Per1_OperRampRate_XpmS_f32		
tgt_Rte_Inst_Ap_VehPwrMd.VehPwrMd_Per1_OperRampValue_Uls_f32	tgt_VehPwrMd_Per1_OperRampValue_Uls	tgt_VehPwrMd_Per1_OperRampValue_Uls_f32		
tgt_Rte_Inst_Ap_VehPwrMd.VehPwrMd_Per1_SrlComEngOn_Cnt_lgc	tgt_VehPwrMd_Per1_SrlComEngOn_Cnt_lg	дс		
tgt_Rte_Inst_Ap_VehPwrMd.VehPwrMd_Per1_SrlComSPMOn_Cnt_lgc	tgt_VehPwrMd_Per1_SrlComSPMOn_Cnt_	lgc		
tgt_Rte_Inst_Ap_VehPwrMd.VehPwrMd_Per1_VehSpdValid_Cnt_Igc	tgt_VehPwrMd_Per1_VehSpdValid_Cnt_lgd	:		
tgt_Rte_Inst_Ap_VehPwrMd.VehPwrMd_Per1_VehSpd_Kph_f32	tgt_VehPwrMd_Per1_VehSpd_Kph_f32			
tgt_VehPwrMd_Per1_EngONSrlComSvcDft_Cnt_lgc.value	0			
tgt_VehPwrMd_Per1_SrlComEngOn_Cnt_lgc.value	0			
tgt_VehPwrMd_Per1_SrlComSPMOn_Cnt_lgc.value	1			
tgt_VehPwrMd_Per1_VehSpdValid_Cnt_lgc.value	0			
tgt_VehPwrMd_Per1_VehSpd_Kph_f32.value	40.2000008			
Name	Actual Value	Expected Value	Resul	
IGNDiagStartTime_mS_M_u32p0	6867	6867	•	
Rte_Call_Ap_VehPwrMd_NxtrDiagMgr_SetNTCStatus(NTC_Cnt_T_enum)	184	184		
Rte_Call_Ap_VehPwrMd_NxtrDiagMgr_SetNTCStatus(Param_Cnt_T_u08)	1	1		
Rte_Call_Ap_VehPwrMd_NxtrDiagMgr_SetNTCStatus(Status_Cnt_T_enum)	1	1	•	
tgt_VehPwrMd_Per1_ATermActive_Cnt_lgc.value	1	1		
tgt_VehPwrMd_Per1_CTermActive_Cnt_lgc.value	0	0	•	
tgt_VehPwrMd_Per1_OperRampRate_XpmS_f32.value	0.300000012	0.300000012 ± 0.0001		
tgt_VehPwrMd_Per1_OperRampValue_Uls_f32.value	0	0 ± 0.00390625	· · · · · · · ·	

Test Step Call Trace				
Actual Function	Count	Expected Function	Count	Result
Rte_Call_Ap_VehPwrMd_EpsEn_OP_GET	1	Rte_Call_Ap_VehPwrMd_EpsEn_OP_GET	1	~
Rte_Call_Ap_VehPwrMd_NxtrDiagMgr_GetNTCFailed	1	Rte_Call_Ap_VehPwrMd_NxtrDiagMgr_GetNTCFailed	1	~
Rte_Mode_Ap_VehPwrMd_SystemState_Mode	1	Rte_Mode_Ap_VehPwrMd_SystemState_Mode	1	-
IgnFailureDiag	1	IgnFailureDiag	1	~
Rte_Call_Ap_VehPwrMd_SystemTime_DtrmnElapsedTime_mS_u16	1	Rte_Call_Ap_VehPwrMd_SystemTime_DtrmnElapsedTime_mS_u16	1	-
Rte_Call_Ap_VehPwrMd_NxtrDiagMgr_SetNTCStatus	1	Rte_Call_Ap_VehPwrMd_NxtrDiagMgr_SetNTCStatus	1	~
Rte Call VehPwrMd Per1 CP1 CheckpointReached	1	Rte Call VehPwrMd Per1 CP1 CheckpointReached	1	_



Test Step 2.4 (Repeat Count = 1)			•	
Name	Input Value			
IGNDiagStartTime_mS_M_u32p0	89089			
Rte_Call_Ap_VehPwrMd_EpsEn_OP_GET(signal)	tgt_Rte_Call_Ap_VehPwrMd_EpsEn_OP_G	tgt_Rte_Call_Ap_VehPwrMd_EpsEn_OP_GET_signal		
Rte_Call_Ap_VehPwrMd_NxtrDiagMgr_GetNTCFailed(NTCFailed_Ptr_T_lgc)	tgt_Rte_Call_Ap_VehPwrMd_NxtrDiagMgr_	GetNTCFailed_NTCFailed_Ptr		
Rte_Call_Ap_VehPwrMd_SystemTime_DtrmnElapsedTime_mS_u16(ElapsedTime)	tgt_Rte_Call_Ap_VehPwrMd_SystemTime_	DtrmnElapsedTime_mS_u16_Ela		
Rte_Call_Ap_VehPwrMd_SystemTime_GetSystemTime_mS_u32(CurrentTime)	tgt_Rte_Call_Ap_VehPwrMd_SystemTime_	GetSystemTime_mS_u32_Curren		
Rte_Inst_Ap_VehPwrMd	tgt_Rte_Inst_Ap_VehPwrMd			
Rte_Mode_Ap_VehPwrMd_SystemState_Mode()	2			
k_IGNDiagTime_mS_u16p0	5500			
k_RampDnRt_UlspmS_f32	0.40000006			
k_RampUpRtLoSpd_UlspmS_f32	0.5			
k_RmpDnAsstVehSpdLimit_Kph_f32	40.2000008			
tgt_Rte_Call_Ap_VehPwrMd_EpsEn_OP_GET_signal	1			
tgt_Rte_Call_Ap_VehPwrMd_NxtrDiagMgr_GetNTCFailed_NTCFailed_Ptr	0			
tgt_Rte_Call_Ap_VehPwrMd_SystemTime_DtrmnElapsedTime_mS_u16_Ela	1230			
tgt_Rte_Call_Ap_VehPwrMd_SystemTime_GetSystemTime_mS_u32_Curren	8888			
tgt_Rte_Inst_Ap_VehPwrMd.VehPwrMd_Per1_ATermActive_Cnt_Igc	tgt_VehPwrMd_Per1_ATermActive_Cnt_Igc			
tgt_Rte_Inst_Ap_VehPwrMd.VehPwrMd_Per1_CTermActive_Cnt_lgc	tgt_VehPwrMd_Per1_CTermActive_Cnt_lgc			
tgt_Rte_Inst_Ap_VehPwrMd.VehPwrMd_Per1_EngONSrlComSvcDft_Cnt_lgc	tgt_VehPwrMd_Per1_EngONSrlComSvcDft	_Cnt_lgc		
tgt_Rte_Inst_Ap_VehPwrMd.VehPwrMd_Per1_OperRampRate_XpmS_f32	tgt_VehPwrMd_Per1_OperRampRate_Xpm	S_f32		
tgt_Rte_Inst_Ap_VehPwrMd.VehPwrMd_Per1_OperRampValue_Uls_f32	tgt_VehPwrMd_Per1_OperRampValue_Uls_	_f32		
tgt_Rte_Inst_Ap_VehPwrMd.VehPwrMd_Per1_SrlComEngOn_Cnt_lgc	tgt_VehPwrMd_Per1_SrlComEngOn_Cnt_lg	gc		
tgt_Rte_Inst_Ap_VehPwrMd.VehPwrMd_Per1_SrlComSPMOn_Cnt_Igc	tgt_VehPwrMd_Per1_SrlComSPMOn_Cnt_l	gc		
tgt_Rte_Inst_Ap_VehPwrMd.VehPwrMd_Per1_VehSpdValid_Cnt_Igc	tgt_VehPwrMd_Per1_VehSpdValid_Cnt_lgc			
tgt_Rte_Inst_Ap_VehPwrMd.VehPwrMd_Per1_VehSpd_Kph_f32	tgt_VehPwrMd_Per1_VehSpd_Kph_f32			
tgt_VehPwrMd_Per1_EngONSrlComSvcDft_Cnt_lgc.value	1			
tgt_VehPwrMd_Per1_SrlComEngOn_Cnt_lgc.value	1			
tgt_VehPwrMd_Per1_SrlComSPMOn_Cnt_lgc.value	0			
tgt_VehPwrMd_Per1_VehSpdValid_Cnt_lgc.value	1			
tgt_VehPwrMd_Per1_VehSpd_Kph_f32.value	112.199997			
Name	Actual Value	Expected Value	Resu	
IGNDiagStartTime_mS_M_u32p0	8888	8888		
Rte_Call_Ap_VehPwrMd_NxtrDiagMgr_SetNTCStatus(NTC_Cnt_T_enum)	184	184		
Rte_Call_Ap_VehPwrMd_NxtrDiagMgr_SetNTCStatus(Param_Cnt_T_u08)	1	1		
Rte_Call_Ap_VehPwrMd_NxtrDiagMgr_SetNTCStatus(Status_Cnt_T_enum)	0	0		
tgt_VehPwrMd_Per1_ATermActive_Cnt_lgc.value	1	1		
tgt_VehPwrMd_Per1_CTermActive_Cnt_lgc.value	1	1		
tgt_VehPwrMd_Per1_OperRampRate_XpmS_f32.value	0.5	0.5 ± 0.0001	•	
tet Vebrundel Dari OperDeserVelia IIIa 520 velia	4	4 + 0 00000005		

Test Step Call Trace				✓
Actual Function	Count	Expected Function	Count	Result
Rte_Call_Ap_VehPwrMd_EpsEn_OP_GET	1	Rte_Call_Ap_VehPwrMd_EpsEn_OP_GET	1	~
Rte_Call_Ap_VehPwrMd_NxtrDiagMgr_GetNTCFailed	1	Rte_Call_Ap_VehPwrMd_NxtrDiagMgr_GetNTCFailed	1	~
Rte_Mode_Ap_VehPwrMd_SystemState_Mode	1	Rte_Mode_Ap_VehPwrMd_SystemState_Mode	1	~
IgnFailureDiag	1	IgnFailureDiag	1	~
Rte_Call_Ap_VehPwrMd_NxtrDiagMgr_SetNTCStatus	1	Rte_Call_Ap_VehPwrMd_NxtrDiagMgr_SetNTCStatus	1	~
Rte_Call_Ap_VehPwrMd_SystemTime_GetSystemTime_mS_u32	1	Rte_Call_Ap_VehPwrMd_SystemTime_GetSystemTime_mS_u32	1	✓
Rte_Call_VehPwrMd_Per1_CP1_CheckpointReached	1	Rte_Call_VehPwrMd_Per1_CP1_CheckpointReached	1	-

1 ± 0.00390625

Test Step 2.5 (Repeat Count = 1)	✓
Name	Input Value
IGNDiagStartTime_mS_M_u32p0	1452
Rte_Call_Ap_VehPwrMd_EpsEn_OP_GET(signal)	tgt_Rte_Call_Ap_VehPwrMd_EpsEn_OP_GET_signal
Rte_Call_Ap_VehPwrMd_NxtrDiagMgr_GetNTCFailed(NTCFailed_Ptr_T_lgc)	tgt_Rte_Call_Ap_VehPwrMd_NxtrDiagMgr_GetNTCFailed_NTCFailed_Ptr
Rte_Call_Ap_VehPwrMd_SystemTime_DtrmnElapsedTime_mS_u16(ElapsedTime)	tgt_Rte_Call_Ap_VehPwrMd_SystemTime_DtrmnElapsedTime_mS_u16_Ela
Rte_Call_Ap_VehPwrMd_SystemTime_GetSystemTime_mS_u32(CurrentTime)	tgt_Rte_Call_Ap_VehPwrMd_SystemTime_GetSystemTime_mS_u32_Curren
Rte_Inst_Ap_VehPwrMd	tgt_Rte_Inst_Ap_VehPwrMd
Rte_Mode_Ap_VehPwrMd_SystemState_Mode()	3
k_IGNDiagTime_mS_u16p0	2500
k_RampDnRt_UlspmS_f32	0.5
k_RampUpRtLoSpd_UlspmS_f32	0.600000024
k_RmpDnAsstVehSpdLimit_Kph_f32	112.199997
tgt_Rte_Call_Ap_VehPwrMd_EpsEn_OP_GET_signal	0
tgt_Rte_Call_Ap_VehPwrMd_NxtrDiagMgr_GetNTCFailed_NTCFailed_Ptr	0
tgt_Rte_Call_Ap_VehPwrMd_SystemTime_DtrmnElapsedTime_mS_u16_Ela	40000
tgt_Rte_Call_Ap_VehPwrMd_SystemTime_GetSystemTime_mS_u32_Curren	9999
tgt_Rte_Inst_Ap_VehPwrMd.VehPwrMd_Per1_ATermActive_Cnt_Igc	tgt_VehPwrMd_Per1_ATermActive_Cnt_lgc
tgt_Rte_Inst_Ap_VehPwrMd.VehPwrMd_Per1_CTermActive_Cnt_lgc	tgt_VehPwrMd_Per1_CTermActive_Cnt_lgc

 $tgt_VehPwrMd_Per1_OperRampValue_Uls_f32.value$

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VehPwrMd_Per1



Name	Input Value		
tgt_Rte_Inst_Ap_VehPwrMd.VehPwrMd_Per1_EngONSrlComSvcDft_Cnt_lgc	tgt_VehPwrMd_Per1_EngONSrlComSvcDft_	Cnt_lgc	
tgt_Rte_Inst_Ap_VehPwrMd.VehPwrMd_Per1_OperRampRate_XpmS_f32	tgt_VehPwrMd_Per1_OperRampRate_XpmS	S_f32	
tgt_Rte_Inst_Ap_VehPwrMd.VehPwrMd_Per1_OperRampValue_Uls_f32	tgt_VehPwrMd_Per1_OperRampValue_Uls_	f32	
tgt_Rte_Inst_Ap_VehPwrMd.VehPwrMd_Per1_SrlComEngOn_Cnt_lgc	tgt_VehPwrMd_Per1_SrlComEngOn_Cnt_lgr	c	
tgt_Rte_Inst_Ap_VehPwrMd.VehPwrMd_Per1_SrlComSPMOn_Cnt_lgc	tgt_VehPwrMd_Per1_SrlComSPMOn_Cnt_lg	gc	
tgt_Rte_Inst_Ap_VehPwrMd.VehPwrMd_Per1_VehSpdValid_Cnt_lgc	tgt_VehPwrMd_Per1_VehSpdValid_Cnt_lgc		
tgt_Rte_Inst_Ap_VehPwrMd.VehPwrMd_Per1_VehSpd_Kph_f32	tgt_VehPwrMd_Per1_VehSpd_Kph_f32		
tgt_VehPwrMd_Per1_EngONSrlComSvcDft_Cnt_lgc.value	0		
tgt_VehPwrMd_Per1_SrlComEngOn_Cnt_lgc.value	0		
tgt_VehPwrMd_Per1_SrlComSPMOn_Cnt_lgc.value	0		
tgt_VehPwrMd_Per1_VehSpdValid_Cnt_lgc.value	0		
tgt_VehPwrMd_Per1_VehSpd_Kph_f32.value	85.3000031		
Namo	Actual Value	Expected Value	Result

tgt_VenPwrMd_Per1_VenSpd_Kpn_t32.value	85.3000031		
Name	Actual Value	Expected Value	Result
IGNDiagStartTime_mS_M_u32p0	9999	9999	~
Rte_Call_Ap_VehPwrMd_NxtrDiagMgr_SetNTCStatus(NTC_Cnt_T_enum)	184	184	~
Rte_Call_Ap_VehPwrMd_NxtrDiagMgr_SetNTCStatus(Param_Cnt_T_u08)	1	1	~
Rte_Call_Ap_VehPwrMd_NxtrDiagMgr_SetNTCStatus(Status_Cnt_T_enum)	0	0	~
tgt_VehPwrMd_Per1_ATermActive_Cnt_lgc.value	0	0	~
tgt_VehPwrMd_Per1_CTermActive_Cnt_lgc.value	0	0	~
tgt_VehPwrMd_Per1_OperRampRate_XpmS_f32.value	0.5	0.5 ± 0.0001	~
tgt_VehPwrMd_Per1_OperRampValue_Uls_f32.value	0	0 ± 0.00390625	~

Test Step Call Trace				V
Actual Function	Count	Expected Function	Count	Result
Rte_Call_Ap_VehPwrMd_EpsEn_OP_GET	1	Rte_Call_Ap_VehPwrMd_EpsEn_OP_GET	1	~
Rte_Call_Ap_VehPwrMd_NxtrDiagMgr_GetNTCFailed	1	Rte_Call_Ap_VehPwrMd_NxtrDiagMgr_GetNTCFailed	1	~
Rte_Mode_Ap_VehPwrMd_SystemState_Mode	1	Rte_Mode_Ap_VehPwrMd_SystemState_Mode	1	~
IgnFailureDiag	1	IgnFailureDiag	1	~
Rte_Call_Ap_VehPwrMd_NxtrDiagMgr_SetNTCStatus	1	Rte_Call_Ap_VehPwrMd_NxtrDiagMgr_SetNTCStatus	1	~
Rte_Call_Ap_VehPwrMd_SystemTime_GetSystemTime_mS_u32	1	Rte_Call_Ap_VehPwrMd_SystemTime_GetSystemTime_mS_u32	1	~
Rte_Call_VehPwrMd_Per1_CP1_CheckpointReached	1	Rte_Call_VehPwrMd_Per1_CP1_CheckpointReached	1	-

lame GNDiagStartTime_mS_M_u32p0 tte Call Ap VehPwrMd EpsEn OP GET(signal)	Input Value 6874		
	6874		
te Call An VehPwrMd EnsEn OP GET(signal)			
to_oui_, p_voii willing_cpacii_or _oc (algilar)	tgt_Rte_Call_Ap_VehPwrMd_EpsEn_O	P_GET_signal	
tte_Call_Ap_VehPwrMd_NxtrDiagMgr_GetNTCFailed(NTCFailed_Ptr_T_lgc)	tgt_Rte_Call_Ap_VehPwrMd_NxtrDiagN	/lgr_GetNTCFailed_NTCFailed_Ptr	
te_Call_Ap_VehPwrMd_SystemTime_DtrmnElapsedTime_mS_u16(ElapsedTin	ne) tgt_Rte_Call_Ap_VehPwrMd_SystemTir	me_DtrmnElapsedTime_mS_u16_Ela	
te_Call_Ap_VehPwrMd_SystemTime_GetSystemTime_mS_u32(CurrentTime)	tgt_Rte_Call_Ap_VehPwrMd_SystemTir	me_GetSystemTime_mS_u32_Curren	
te_Inst_Ap_VehPwrMd	tgt_Rte_Inst_Ap_VehPwrMd		
te_Mode_Ap_VehPwrMd_SystemState_Mode()	4		
_IGNDiagTime_mS_u16p0	1200		
_RampDnRt_UlspmS_f32	0.600000024		
_RampUpRtLoSpd_UlspmS_f32	0.75		
_RmpDnAsstVehSpdLimit_Kph_f32	85.3000031		
gt_Rte_Call_Ap_VehPwrMd_EpsEn_OP_GET_signal	1		
t_Rte_Call_Ap_VehPwrMd_NxtrDiagMgr_GetNTCFailed_NTCFailed_Ptr	1		
st_Rte_Call_Ap_VehPwrMd_SystemTime_DtrmnElapsedTime_mS_u16_Ela	55200		
st_Rte_Call_Ap_VehPwrMd_SystemTime_GetSystemTime_mS_u32_Curren	1000		
gt_Rte_Inst_Ap_VehPwrMd.VehPwrMd_Per1_ATermActive_Cnt_lgc	tgt_VehPwrMd_Per1_ATermActive_Cnt	_lgc	
gt_Rte_Inst_Ap_VehPwrMd.VehPwrMd_Per1_CTermActive_Cnt_lgc	tgt_VehPwrMd_Per1_CTermActive_Cnt	_lgc	
st_Rte_Inst_Ap_VehPwrMd.VehPwrMd_Per1_EngONSrlComSvcDft_Cnt_Igc	tgt_VehPwrMd_Per1_EngONSrlComSv	cDft_Cnt_lgc	
st_Rte_Inst_Ap_VehPwrMd.VehPwrMd_Per1_OperRampRate_XpmS_f32	tgt_VehPwrMd_Per1_OperRampRate_>	CpmS_f32	
gt_Rte_Inst_Ap_VehPwrMd.VehPwrMd_Per1_OperRampValue_Uls_f32	tgt_VehPwrMd_Per1_OperRampValue_	Uls_f32	
gt_Rte_Inst_Ap_VehPwrMd.VehPwrMd_Per1_SrlComEngOn_Cnt_lgc	tgt_VehPwrMd_Per1_SrlComEngOn_Ci	nt_lgc	
gt_Rte_Inst_Ap_VehPwrMd.VehPwrMd_Per1_SrlComSPMOn_Cnt_Igc	tgt_VehPwrMd_Per1_SrlComSPMOn_0	Cnt_lgc	
gt_Rte_Inst_Ap_VehPwrMd.VehPwrMd_Per1_VehSpdValid_Cnt_Igc	tgt_VehPwrMd_Per1_VehSpdValid_Cnt	:_lgc	
gt_Rte_Inst_Ap_VehPwrMd.VehPwrMd_Per1_VehSpd_Kph_f32	tgt_VehPwrMd_Per1_VehSpd_Kph_f32		
gt_VehPwrMd_Per1_EngONSrlComSvcDft_Cnt_lgc.value	1		
yt_VehPwrMd_Per1_SrlComEngOn_Cnt_lgc.value	1		
gt_VehPwrMd_Per1_SrlComSPMOn_Cnt_lgc.value	1		
pt_VehPwrMd_Per1_VehSpdValid_Cnt_lgc.value	0		
gt_VehPwrMd_Per1_VehSpd_Kph_f32.value	90.5		
lame	Actual Value	Expected Value	Resu
GNDiagStartTime_mS_M_u32p0	1000	1000	
tte_Call_Ap_VehPwrMd_NxtrDiagMgr_SetNTCStatus(NTC_Cnt_T_enum)	184	184	
tte Call Ap VehPwrMd NxtrDiagMgr SetNTCStatus(Param Cnt T u08)	1	1	
tte_Call_Ap_VehPwrMd_NxtrDiagMgr_SetNTCStatus(Status_Cnt_T_enum)	0	0	

 $tgt_VehPwrMd_Per1_ATermActive_Cnt_lgc.value$

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Name	Actual Value	Expected Value	Result
Name	Actual value	Expected value	Result
tgt_VehPwrMd_Per1_OperRampRate_XpmS_f32.value	0.75	0.75 ± 0.0001	~
tgt VehPwrMd Per1 OperRampValue Uls f32.value	1	1 ± 0.00390625	✓

Test Step Call Trace				✓
Actual Function	Count	Expected Function	Count	Result
Rte_Call_Ap_VehPwrMd_EpsEn_OP_GET	1	Rte_Call_Ap_VehPwrMd_EpsEn_OP_GET	1	~
Rte_Call_Ap_VehPwrMd_NxtrDiagMgr_GetNTCFailed	1	Rte_Call_Ap_VehPwrMd_NxtrDiagMgr_GetNTCFailed	1	•
Rte_Mode_Ap_VehPwrMd_SystemState_Mode	1	Rte_Mode_Ap_VehPwrMd_SystemState_Mode	1	~
IgnFailureDiag	1	IgnFailureDiag	1	•
Rte_Call_Ap_VehPwrMd_NxtrDiagMgr_SetNTCStatus	1	Rte_Call_Ap_VehPwrMd_NxtrDiagMgr_SetNTCStatus	1	~
Rte_Call_Ap_VehPwrMd_SystemTime_GetSystemTime_mS_u32	1	Rte_Call_Ap_VehPwrMd_SystemTime_GetSystemTime_mS_u32	1	•
Rte_Call_VehPwrMd_Per1_CP1_CheckpointReached	1	Rte_Call_VehPwrMd_Per1_CP1_CheckpointReached	1	•

Test Step 2.7 (Repeat Count = 1)				
Name	Input Value			
IGNDiagStartTime_mS_M_u32p0	8888	3888		
Rte_Call_Ap_VehPwrMd_EpsEn_OP_GET(signal)	tgt_Rte_Call_Ap_VehPwrMd_EpsEn_OP_G	tgt_Rte_Call_Ap_VehPwrMd_EpsEn_OP_GET_signal		
Rte_Call_Ap_VehPwrMd_NxtrDiagMgr_GetNTCFailed(NTCFailed_Ptr_T_lgc)	tgt_Rte_Call_Ap_VehPwrMd_NxtrDiagMgr_	GetNTCFailed_NTCFailed_Ptr		
$Rte_Call_Ap_VehPwrMd_SystemTime_DtrmnElapsedTime_mS_u16 (ElapsedTime_mSuperscript{Blade}) = 0.0000000000000000000000000000000000$	e) tgt_Rte_Call_Ap_VehPwrMd_SystemTime_	DtrmnElapsedTime_mS_u16_Ela		
Rte_Call_Ap_VehPwrMd_SystemTime_GetSystemTime_mS_u32(CurrentTime)	tgt_Rte_Call_Ap_VehPwrMd_SystemTime_	GetSystemTime_mS_u32_Curren		
Rte_Inst_Ap_VehPwrMd	tgt_Rte_Inst_Ap_VehPwrMd			
Rte_Mode_Ap_VehPwrMd_SystemState_Mode()	1			
k_IGNDiagTime_mS_u16p0	250			
k_RampDnRt_UlspmS_f32	0.75			
k_RampUpRtLoSpd_UlspmS_f32	0.800000012			
k_RmpDnAsstVehSpdLimit_Kph_f32	90.5			
tgt_Rte_Call_Ap_VehPwrMd_EpsEn_OP_GET_signal	0			
tgt_Rte_Call_Ap_VehPwrMd_NxtrDiagMgr_GetNTCFailed_NTCFailed_Ptr	0			
tgt_Rte_Call_Ap_VehPwrMd_SystemTime_DtrmnElapsedTime_mS_u16_Ela	35000			
tgt_Rte_Call_Ap_VehPwrMd_SystemTime_GetSystemTime_mS_u32_Curren	1234			
tgt_Rte_Inst_Ap_VehPwrMd.VehPwrMd_Per1_ATermActive_Cnt_Igc	tgt_VehPwrMd_Per1_ATermActive_Cnt_Igc			
tgt_Rte_Inst_Ap_VehPwrMd.VehPwrMd_Per1_CTermActive_Cnt_lgc	tgt_VehPwrMd_Per1_CTermActive_Cnt_lgc	:		
tgt_Rte_Inst_Ap_VehPwrMd.VehPwrMd_Per1_EngONSrlComSvcDft_Cnt_lgc	tgt_VehPwrMd_Per1_EngONSrlComSvcDft_Cnt_lgc			
tgt_Rte_Inst_Ap_VehPwrMd.VehPwrMd_Per1_OperRampRate_XpmS_f32	tgt_VehPwrMd_Per1_OperRampRate_Xpm	tgt_VehPwrMd_Per1_OperRampRate_XpmS_f32		
tgt_Rte_Inst_Ap_VehPwrMd.VehPwrMd_Per1_OperRampValue_Uls_f32	tgt_VehPwrMd_Per1_OperRampValue_Uls	tgt_VehPwrMd_Per1_OperRampValue_Uls_f32		
tgt_Rte_Inst_Ap_VehPwrMd.VehPwrMd_Per1_SrlComEngOn_Cnt_lgc	tgt_VehPwrMd_Per1_SrlComEngOn_Cnt_lg	gc		
tgt_Rte_Inst_Ap_VehPwrMd.VehPwrMd_Per1_SrlComSPMOn_Cnt_lgc	tgt_VehPwrMd_Per1_SrlComSPMOn_Cnt_	lgc		
tgt_Rte_Inst_Ap_VehPwrMd.VehPwrMd_Per1_VehSpdValid_Cnt_lgc	tgt_VehPwrMd_Per1_VehSpdValid_Cnt_lgd	;		
tgt_Rte_Inst_Ap_VehPwrMd.VehPwrMd_Per1_VehSpd_Kph_f32	tgt_VehPwrMd_Per1_VehSpd_Kph_f32			
tgt_VehPwrMd_Per1_EngONSrlComSvcDft_Cnt_lgc.value	0			
tgt_VehPwrMd_Per1_SrlComEngOn_Cnt_lgc.value	0			
tgt_VehPwrMd_Per1_SrlComSPMOn_Cnt_lgc.value	0			
tgt_VehPwrMd_Per1_VehSpdValid_Cnt_lgc.value	0			
tgt_VehPwrMd_Per1_VehSpd_Kph_f32.value	140.5			
Name	Actual Value	Expected Value	Resu	
IGNDiagStartTime mS M u32p0	1234	1234		
Rte Call Ap VehPwrMd NxtrDiagMgr SetNTCStatus(NTC Cnt T enum)	184	184		
Rte_Call_Ap_VehPwrMd_NxtrDiagMgr_SetNTCStatus(Param_Cnt_T_u08)	1	1		
Rte_Call_Ap_VehPwrMd_NxtrDiagMgr_SetNTCStatus(Status_Cnt_T_enum)	0	0		
tgt VehPwrMd Per1 ATermActive Cnt Igc.value	0	0		
tgt_VehPwrMd_Per1_CTermActive_Cnt_lgc.value	0	0		
tgt_VehPwrMd_Per1_OperRampRate_XpmS_f32.value	0.75	0.75 ± 0.0001		
tgt VehPwrMd Per1 OperRampValue Uls f32.value	0	0 ± 0.00390625		

Test Step Call Trace				✓
Actual Function	Count	Expected Function	Count	Result
Rte_Call_Ap_VehPwrMd_EpsEn_OP_GET	1	Rte_Call_Ap_VehPwrMd_EpsEn_OP_GET	1	~
Rte_Call_Ap_VehPwrMd_NxtrDiagMgr_GetNTCFailed	1	Rte_Call_Ap_VehPwrMd_NxtrDiagMgr_GetNTCFailed	1	✓
Rte_Mode_Ap_VehPwrMd_SystemState_Mode	1	Rte_Mode_Ap_VehPwrMd_SystemState_Mode	1	~
IgnFailureDiag	1	IgnFailureDiag	1	✓
Rte_Call_Ap_VehPwrMd_NxtrDiagMgr_SetNTCStatus	1	Rte_Call_Ap_VehPwrMd_NxtrDiagMgr_SetNTCStatus	1	~
Rte_Call_Ap_VehPwrMd_SystemTime_GetSystemTime_mS_u32	1	Rte_Call_Ap_VehPwrMd_SystemTime_GetSystemTime_mS_u32	1	✓
Rte_Call_VehPwrMd_Per1_CP1_CheckpointReached	1	Rte_Call_VehPwrMd_Per1_CP1_CheckpointReached	1	~



Test Step 2.8 (Repeat Count = 1)			· ·	
Name	Input Value			
IGNDiagStartTime_mS_M_u32p0	9999			
Rte_Call_Ap_VehPwrMd_EpsEn_OP_GET(signal)	tgt_Rte_Call_Ap_VehPwrMd_EpsEn_OP_			
Rte_Call_Ap_VehPwrMd_NxtrDiagMgr_GetNTCFailed(NTCFailed_Ptr_T_lgc)	tgt_Rte_Call_Ap_VehPwrMd_NxtrDiagMgr			
Rte_Call_Ap_VehPwrMd_SystemTime_DtrmnElapsedTime_mS_u16(ElapsedTime	, , ,			
Rte_Call_Ap_VehPwrMd_SystemTime_GetSystemTime_mS_u32(CurrentTime)	tgt_Rte_Call_Ap_VehPwrMd_SystemTime	_GetSystemTime_mS_u32_Curren		
Rte_Inst_Ap_VehPwrMd	tgt_Rte_Inst_Ap_VehPwrMd			
Rte_Mode_Ap_VehPwrMd_SystemState_Mode()	2			
k_IGNDiagTime_mS_u16p0	5500			
k_RampDnRt_UlspmS_f32	0.800000012			
k_RampUpRtLoSpd_UlspmS_f32	0.89999976			
k_RmpDnAsstVehSpdLimit_Kph_f32	140.5			
tgt_Rte_Call_Ap_VehPwrMd_EpsEn_OP_GET_signal	1			
tgt_Rte_Call_Ap_VehPwrMd_NxtrDiagMgr_GetNTCFailed_NTCFailed_Ptr	0			
tgt_Rte_Call_Ap_VehPwrMd_SystemTime_DtrmnElapsedTime_mS_u16_Ela	41250			
tgt_Rte_Call_Ap_VehPwrMd_SystemTime_GetSystemTime_mS_u32_Curren	645			
tgt_Rte_Inst_Ap_VehPwrMd.VehPwrMd_Per1_ATermActive_Cnt_lgc	tgt_VehPwrMd_Per1_ATermActive_Cnt_lgc			
tgt_Rte_Inst_Ap_VehPwrMd.VehPwrMd_Per1_CTermActive_Cnt_lgc	tgt_VehPwrMd_Per1_CTermActive_Cnt_lg	jc		
tgt_Rte_Inst_Ap_VehPwrMd.VehPwrMd_Per1_EngONSrlComSvcDft_Cnt_Igc	tgt_VehPwrMd_Per1_EngONSrlComSvcD	tgt_VehPwrMd_Per1_EngONSrlComSvcDft_Cnt_lgc		
tgt_Rte_Inst_Ap_VehPwrMd.VehPwrMd_Per1_OperRampRate_XpmS_f32	tgt_VehPwrMd_Per1_OperRampRate_Xpr	_		
tgt_Rte_Inst_Ap_VehPwrMd.VehPwrMd_Per1_OperRampValue_Uls_f32	tgt_VehPwrMd_Per1_OperRampValue_Ul	s_f32		
tgt_Rte_Inst_Ap_VehPwrMd.VehPwrMd_Per1_SrlComEngOn_Cnt_lgc	tgt_VehPwrMd_Per1_SrlComEngOn_Cnt_	lgc		
tgt_Rte_Inst_Ap_VehPwrMd.VehPwrMd_Per1_SrlComSPMOn_Cnt_Igc	tgt_VehPwrMd_Per1_SrlComSPMOn_Cnt	_lgc		
tgt_Rte_Inst_Ap_VehPwrMd.VehPwrMd_Per1_VehSpdValid_Cnt_Igc	tgt_VehPwrMd_Per1_VehSpdValid_Cnt_lg	ic		
tgt_Rte_Inst_Ap_VehPwrMd.VehPwrMd_Per1_VehSpd_Kph_f32	tgt_VehPwrMd_Per1_VehSpd_Kph_f32			
tgt_VehPwrMd_Per1_EngONSrlComSvcDft_Cnt_lgc.value	1			
tgt_VehPwrMd_Per1_SrlComEngOn_Cnt_lgc.value	1			
tgt_VehPwrMd_Per1_SrlComSPMOn_Cnt_lgc.value	1			
tgt_VehPwrMd_Per1_VehSpdValid_Cnt_lgc.value	1			
tgt_VehPwrMd_Per1_VehSpd_Kph_f32.value	400			
Name	Actual Value	Expected Value	Result	
IGNDiagStartTime_mS_M_u32p0	645	645	•	
Rte_Call_Ap_VehPwrMd_NxtrDiagMgr_SetNTCStatus(NTC_Cnt_T_enum)	184	184	•	
Rte_Call_Ap_VehPwrMd_NxtrDiagMgr_SetNTCStatus(Param_Cnt_T_u08)	1	1		
Rte_Call_Ap_VehPwrMd_NxtrDiagMgr_SetNTCStatus(Status_Cnt_T_enum)	0	0	•	
tgt_VehPwrMd_Per1_ATermActive_Cnt_lgc.value	1	1	•	
tgt_VehPwrMd_Per1_CTermActive_Cnt_lgc.value	1	1	•	
tgt_VehPwrMd_Per1_OperRampRate_XpmS_f32.value	0.89999976	0.899999976 ± 0.0001	•	
	4			

Test Step Call Trace				✓
Actual Function	Count	Expected Function	Count	Result
Rte_Call_Ap_VehPwrMd_EpsEn_OP_GET	1	Rte_Call_Ap_VehPwrMd_EpsEn_OP_GET	1	~
Rte_Call_Ap_VehPwrMd_NxtrDiagMgr_GetNTCFailed	1	Rte_Call_Ap_VehPwrMd_NxtrDiagMgr_GetNTCFailed	1	•
Rte_Mode_Ap_VehPwrMd_SystemState_Mode	1	Rte_Mode_Ap_VehPwrMd_SystemState_Mode	1	~
IgnFailureDiag	1	IgnFailureDiag	1	•
Rte_Call_Ap_VehPwrMd_NxtrDiagMgr_SetNTCStatus	1	Rte_Call_Ap_VehPwrMd_NxtrDiagMgr_SetNTCStatus	1	•
Rte_Call_Ap_VehPwrMd_SystemTime_GetSystemTime_mS_u32	1	Rte_Call_Ap_VehPwrMd_SystemTime_GetSystemTime_mS_u32	1	•
Rte_Call_VehPwrMd_Per1_CP1_CheckpointReached	1	Rte_Call_VehPwrMd_Per1_CP1_CheckpointReached	1	•

1 ± 0.00390625

Test Step 2.9 (Repeat Count = 1)	✓
Name	Input Value
IGNDiagStartTime_mS_M_u32p0	1000
Rte_Call_Ap_VehPwrMd_EpsEn_OP_GET(signal)	tgt_Rte_Call_Ap_VehPwrMd_EpsEn_OP_GET_signal
Rte_Call_Ap_VehPwrMd_NxtrDiagMgr_GetNTCFailed(NTCFailed_Ptr_T_lgc)	tgt_Rte_Call_Ap_VehPwrMd_NxtrDiagMgr_GetNTCFailed_NTCFailed_Ptr
$Rte_Call_Ap_VehPwrMd_SystemTime_DtrmnElapsedTime_mS_u16(ElapsedTime)$	tgt_Rte_Call_Ap_VehPwrMd_SystemTime_DtrmnElapsedTime_mS_u16_Ela
Rte_Call_Ap_VehPwrMd_SystemTime_GetSystemTime_mS_u32(CurrentTime)	tgt_Rte_Call_Ap_VehPwrMd_SystemTime_GetSystemTime_mS_u32_Curren
Rte_Inst_Ap_VehPwrMd	tgt_Rte_Inst_Ap_VehPwrMd
Rte_Mode_Ap_VehPwrMd_SystemState_Mode()	3
k_IGNDiagTime_mS_u16p0	2500
k_RampDnRt_UlspmS_f32	0.89999976
k_RampUpRtLoSpd_UlspmS_f32	0.0199999996
k_RmpDnAsstVehSpdLimit_Kph_f32	140.5
tgt_Rte_Call_Ap_VehPwrMd_EpsEn_OP_GET_signal	1
tgt_Rte_Call_Ap_VehPwrMd_NxtrDiagMgr_GetNTCFailed_NTCFailed_Ptr	1
tgt_Rte_Call_Ap_VehPwrMd_SystemTime_DtrmnElapsedTime_mS_u16_Ela	2300
tgt_Rte_Call_Ap_VehPwrMd_SystemTime_GetSystemTime_mS_u32_Curren	6867
tgt_Rte_Inst_Ap_VehPwrMd.VehPwrMd_Per1_ATermActive_Cnt_Igc	tgt_VehPwrMd_Per1_ATermActive_Cnt_lgc
tgt_Rte_Inst_Ap_VehPwrMd.VehPwrMd_Per1_CTermActive_Cnt_Igc	tgt_VehPwrMd_Per1_CTermActive_Cnt_lgc

 $\label{total_persum} $$ tgt_VehPwrMd_Per1_OperRampRate_XpmS_f32.value $$ tgt_VehPwrMd_Per1_OperRampValue_Uls_f32.value $$ tgt_VehPwrMd_Per1_OperRampValue $$ tgt_$



Name	Input Value		
tgt_Rte_Inst_Ap_VehPwrMd.VehPwrMd_Per1_EngONSrlComSvcDft_Cnt_lgc	tgt_VehPwrMd_Per1_EngONSrlComSvcDft_	Cnt_lgc	
tgt_Rte_Inst_Ap_VehPwrMd.VehPwrMd_Per1_OperRampRate_XpmS_f32	tgt_VehPwrMd_Per1_OperRampRate_XpmS	_f32	
tgt_Rte_Inst_Ap_VehPwrMd.VehPwrMd_Per1_OperRampValue_Uls_f32	tgt_VehPwrMd_Per1_OperRampValue_Uls_t	32	
tgt_Rte_Inst_Ap_VehPwrMd.VehPwrMd_Per1_SrlComEngOn_Cnt_lgc	tgt_VehPwrMd_Per1_SrlComEngOn_Cnt_lgd	;	
tgt_Rte_Inst_Ap_VehPwrMd.VehPwrMd_Per1_SrlComSPMOn_Cnt_Igc	tgt_VehPwrMd_Per1_SrlComSPMOn_Cnt_lg	С	
tgt_Rte_Inst_Ap_VehPwrMd.VehPwrMd_Per1_VehSpdValid_Cnt_Igc	tgt_VehPwrMd_Per1_VehSpdValid_Cnt_lgc		
tgt_Rte_Inst_Ap_VehPwrMd.VehPwrMd_Per1_VehSpd_Kph_f32	tgt_VehPwrMd_Per1_VehSpd_Kph_f32		
tgt_VehPwrMd_Per1_EngONSrlComSvcDft_Cnt_lgc.value	0		
tgt_VehPwrMd_Per1_SrlComEngOn_Cnt_lgc.value	1		
tgt_VehPwrMd_Per1_SrlComSPMOn_Cnt_lgc.value	0		
tgt_VehPwrMd_Per1_VehSpdValid_Cnt_lgc.value	1		
tgt_VehPwrMd_Per1_VehSpd_Kph_f32.value	0		
Manage	A -4 I Malaca	Francisco de al Malera	D 14

tgt_VehPwrMd_Per1_VehSpd_Kph_t32.value	0		
Name	Actual Value	Expected Value	Result
IGNDiagStartTime_mS_M_u32p0	6867	6867	~
Rte_Call_Ap_VehPwrMd_NxtrDiagMgr_SetNTCStatus(NTC_Cnt_T_enum)	184	184	~
Rte_Call_Ap_VehPwrMd_NxtrDiagMgr_SetNTCStatus(Param_Cnt_T_u08)	1	1	•
Rte_Call_Ap_VehPwrMd_NxtrDiagMgr_SetNTCStatus(Status_Cnt_T_enum)	0	0	•
tgt_VehPwrMd_Per1_ATermActive_Cnt_lgc.value	1	1	~
tgt_VehPwrMd_Per1_CTermActive_Cnt_lgc.value	0	0	~
tgt_VehPwrMd_Per1_OperRampRate_XpmS_f32.value	0.899999976	0.899999976 ± 0.0001	~
tgt_VehPwrMd_Per1_OperRampValue_Uls_f32.value	0	0 ± 0.00390625	~

Test Step Call Trace				
Actual Function	Count	Expected Function	Count	Result
Rte_Call_Ap_VehPwrMd_EpsEn_OP_GET	1	Rte_Call_Ap_VehPwrMd_EpsEn_OP_GET	1	~
Rte_Call_Ap_VehPwrMd_NxtrDiagMgr_GetNTCFailed	1	Rte_Call_Ap_VehPwrMd_NxtrDiagMgr_GetNTCFailed	1	~
Rte_Mode_Ap_VehPwrMd_SystemState_Mode	1	Rte_Mode_Ap_VehPwrMd_SystemState_Mode	1	~
IgnFailureDiag	1	IgnFailureDiag	1	•
Rte_Call_Ap_VehPwrMd_NxtrDiagMgr_SetNTCStatus	1	Rte_Call_Ap_VehPwrMd_NxtrDiagMgr_SetNTCStatus	1	~
Rte_Call_Ap_VehPwrMd_SystemTime_GetSystemTime_mS_u32	1	Rte_Call_Ap_VehPwrMd_SystemTime_GetSystemTime_mS_u32	1	~
Rte_Call_VehPwrMd_Per1_CP1_CheckpointReached	1	Rte_Call_VehPwrMd_Per1_CP1_CheckpointReached	1	-

Name	Input Value		
IGNDiagStartTime_mS_M_u32p0	1234		
Rte_Call_Ap_VehPwrMd_EpsEn_OP_GET(signal)	tgt_Rte_Call_Ap_VehPwrMd_EpsEn_OP_	GET_signal	
Rte_Call_Ap_VehPwrMd_NxtrDiagMgr_GetNTCFailed(NTCFailed_Ptr_T_lgc)	tgt_Rte_Call_Ap_VehPwrMd_NxtrDiagMgr	_GetNTCFailed_NTCFailed_Ptr	
Rte_Call_Ap_VehPwrMd_SystemTime_DtrmnElapsedTime_mS_u16(ElapsedTime)	tgt_Rte_Call_Ap_VehPwrMd_SystemTime	_DtrmnElapsedTime_mS_u16_Ela	
Rte_Call_Ap_VehPwrMd_SystemTime_GetSystemTime_mS_u32(CurrentTime)	tgt_Rte_Call_Ap_VehPwrMd_SystemTime	_GetSystemTime_mS_u32_Curren	
Rte_Inst_Ap_VehPwrMd	tgt_Rte_Inst_Ap_VehPwrMd		
Rte_Mode_Ap_VehPwrMd_SystemState_Mode()	2		
k_IGNDiagTime_mS_u16p0	1200		
k_RampDnRt_UlspmS_f32	0.0199999996		
k_RampUpRtLoSpd_UlspmS_f32	0.0500000007		
k_RmpDnAsstVehSpdLimit_Kph_f32	155.199997		
tgt_Rte_Call_Ap_VehPwrMd_EpsEn_OP_GET_signal	0		
tgt_Rte_Call_Ap_VehPwrMd_NxtrDiagMgr_GetNTCFailed_NTCFailed_Ptr	0		
tgt_Rte_Call_Ap_VehPwrMd_SystemTime_DtrmnElapsedTime_mS_u16_Ela	1230		
tgt_Rte_Call_Ap_VehPwrMd_SystemTime_GetSystemTime_mS_u32_Curren	89089		
tgt_Rte_Inst_Ap_VehPwrMd.VehPwrMd_Per1_ATermActive_Cnt_Igc	tgt_VehPwrMd_Per1_ATermActive_Cnt_lg	С	
tgt_Rte_Inst_Ap_VehPwrMd.VehPwrMd_Per1_CTermActive_Cnt_Igc	tgt_VehPwrMd_Per1_CTermActive_Cnt_lg	c	
tgt_Rte_Inst_Ap_VehPwrMd.VehPwrMd_Per1_EngONSrlComSvcDft_Cnt_lgc	tgt_VehPwrMd_Per1_EngONSrlComSvcD	ft_Cnt_lgc	
tgt_Rte_Inst_Ap_VehPwrMd.VehPwrMd_Per1_OperRampRate_XpmS_f32	tgt_VehPwrMd_Per1_OperRampRate_Xpr	nS_f32	
tgt_Rte_Inst_Ap_VehPwrMd.VehPwrMd_Per1_OperRampValue_Uls_f32	tgt_VehPwrMd_Per1_OperRampValue_Ul	s_f32	
tgt_Rte_Inst_Ap_VehPwrMd.VehPwrMd_Per1_SrlComEngOn_Cnt_lgc	tgt_VehPwrMd_Per1_SrlComEngOn_Cnt_	lgc	
tgt_Rte_Inst_Ap_VehPwrMd.VehPwrMd_Per1_SrlComSPMOn_Cnt_lgc	tgt_VehPwrMd_Per1_SrlComSPMOn_Cnt	_lgc	
tgt_Rte_Inst_Ap_VehPwrMd.VehPwrMd_Per1_VehSpdValid_Cnt_lgc	tgt_VehPwrMd_Per1_VehSpdValid_Cnt_lg	c	
tgt_Rte_Inst_Ap_VehPwrMd.VehPwrMd_Per1_VehSpd_Kph_f32	tgt_VehPwrMd_Per1_VehSpd_Kph_f32		
tgt_VehPwrMd_Per1_EngONSrlComSvcDft_Cnt_lgc.value	1		
tgt_VehPwrMd_Per1_SrlComEngOn_Cnt_lgc.value	0		
tgt_VehPwrMd_Per1_SrlComSPMOn_Cnt_lgc.value	1		
tgt_VehPwrMd_Per1_VehSpdValid_Cnt_lgc.value	1		
tgt_VehPwrMd_Per1_VehSpd_Kph_f32.value	511		
Name	Actual Value	Expected Value	Resul
IGNDiagStartTime_mS_M_u32p0	1234	1234	•
Rte_Call_Ap_VehPwrMd_NxtrDiagMgr_SetNTCStatus(NTC_Cnt_T_enum)	184	184	•
Rte_Call_Ap_VehPwrMd_NxtrDiagMgr_SetNTCStatus(Param_Cnt_T_u08)	1	1	
Rte_Call_Ap_VehPwrMd_NxtrDiagMgr_SetNTCStatus(Status_Cnt_T_enum)	1	1	•
-	I.		

0

tgt_VehPwrMd_Per1_ATermActive_Cnt_lgc.value

0

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VehPwrMd_Per1

Name	Actual Value	Expected Value	Result
tgt_VehPwrMd_Per1_OperRampRate_XpmS_f32.value	0.019999996	0.019999996 ± 0.0001	~
tgt VehPwrMd Per1 OperRampValue Uls f32.value	0	0 ± 0.00390625	✓

Test Step Call Trace				V
Actual Function	Count	Expected Function	Count	Result
Rte_Call_Ap_VehPwrMd_EpsEn_OP_GET	1	Rte_Call_Ap_VehPwrMd_EpsEn_OP_GET	1	~
Rte_Call_Ap_VehPwrMd_NxtrDiagMgr_GetNTCFailed	1	Rte_Call_Ap_VehPwrMd_NxtrDiagMgr_GetNTCFailed	1	•
Rte_Mode_Ap_VehPwrMd_SystemState_Mode	1	Rte_Mode_Ap_VehPwrMd_SystemState_Mode	1	~
IgnFailureDiag	1	IgnFailureDiag	1	✓
Rte_Call_Ap_VehPwrMd_SystemTime_DtrmnElapsedTime_mS_u16	1	Rte_Call_Ap_VehPwrMd_SystemTime_DtrmnElapsedTime_mS_u16	1	~
Rte_Call_Ap_VehPwrMd_NxtrDiagMgr_SetNTCStatus	1	Rte_Call_Ap_VehPwrMd_NxtrDiagMgr_SetNTCStatus	1	•
Rte_Call_VehPwrMd_Per1_CP1_CheckpointReached	1	Rte_Call_VehPwrMd_Per1_CP1_CheckpointReached	1	•

Name	Input Value		
IGNDiagStartTime mS M u32p0	645		
Rte Call Ap VehPwrMd EpsEn OP GET(signal)	tgt Rte Call Ap VehPwrMd EpsEn OP GET signal		
Rte_Call_Ap_VehPwrMd_NxtrDiagMgr_GetNTCFailed(NTCFailed_Ptr_T_lgc)	tgt Rte Call Ap VehPwrMd NxtrDiagMgr		
Rte Call Ap VehPwrMd SystemTime DtrmnElapsedTime mS u16(ElapsedTime)			
Rte Call Ap VehPwrMd SystemTime GetSystemTime mS u32(CurrentTime)	tgt Rte Call Ap VehPwrMd SystemTime		
Rte Inst Ap VehPwrMd	tgt Rte Inst Ap VehPwrMd		
Rte_Mode_Ap_VehPwrMd_SystemState_Mode()	2		
k_IGNDiagTime_mS_u16p0	4500		
k_RampDnRt_UlspmS_f32	0.0500000007		
k RampUpRtLoSpd UlspmS f32	0.200000003		
k RmpDnAsstVehSpdLimit Kph f32	254.100006		
tgt Rte Call Ap VehPwrMd EpsEn OP GET signal	1		
tgt Rte Call Ap VehPwrMd NxtrDiagMgr GetNTCFailed NTCFailed Ptr	0		
tgt Rte Call Ap VehPwrMd SystemTime DtrmnElapsedTime mS u16 Ela	40000		
tgt_Rte_Call_Ap_VehPwrMd_SystemTime_GetSystemTime_mS_u32_Curren	1452		
tgt Rte Inst Ap VehPwrMd.VehPwrMd Per1 ATermActive Cnt Igc	tgt VehPwrMd Per1 ATermActive Cnt Igo		
tgt_Rte_Inst_Ap_VehPwrMd.VehPwrMd_Per1_CTermActive_Cnt_lgc	tgt_VehPwrMd_Per1_CTermActive_Cnt_lgc	:	
tgt_Rte_Inst_Ap_VehPwrMd.VehPwrMd_Per1_EngONSrlComSvcDft_Cnt_lgc	tgt VehPwrMd Per1 EngONSrlComSvcDft Cnt lgc		
tgt_Rte_Inst_Ap_VehPwrMd.VehPwrMd_Per1_OperRampRate_XpmS_f32	tgt_VehPwrMd_Per1_OperRampRate_XpmS_f32		
tgt_Rte_Inst_Ap_VehPwrMd.VehPwrMd_Per1_OperRampValue_Uls_f32	tgt_VehPwrMd_Per1_OperRampValue_Uls_	_f32	
tgt_Rte_Inst_Ap_VehPwrMd.VehPwrMd_Per1_SrlComEngOn_Cnt_lgc	tgt_VehPwrMd_Per1_SrlComEngOn_Cnt_lg	gc	
tgt_Rte_Inst_Ap_VehPwrMd.VehPwrMd_Per1_SrlComSPMOn_Cnt_lgc	tgt_VehPwrMd_Per1_SrlComSPMOn_Cnt_l	lgc	
tgt_Rte_Inst_Ap_VehPwrMd.VehPwrMd_Per1_VehSpdValid_Cnt_Igc	tgt_VehPwrMd_Per1_VehSpdValid_Cnt_lgc	:	
tgt_Rte_Inst_Ap_VehPwrMd.VehPwrMd_Per1_VehSpd_Kph_f32	tgt_VehPwrMd_Per1_VehSpd_Kph_f32		
tgt_VehPwrMd_Per1_EngONSrlComSvcDft_Cnt_lgc.value	0		
tgt_VehPwrMd_Per1_SrlComEngOn_Cnt_lgc.value	1		
tgt_VehPwrMd_Per1_SrlComSPMOn_Cnt_lgc.value	0		
tgt_VehPwrMd_Per1_VehSpdValid_Cnt_lgc.value	1		
tgt_VehPwrMd_Per1_VehSpd_Kph_f32.value	250.199997		
Name	Actual Value	Expected Value	Resul
IGNDiagStartTime_mS_M_u32p0	1452	1452	•
Rte_Call_Ap_VehPwrMd_NxtrDiagMgr_SetNTCStatus(NTC_Cnt_T_enum)	184	184	•
Rte_Call_Ap_VehPwrMd_NxtrDiagMgr_SetNTCStatus(Param_Cnt_T_u08)	1	1	•
Rte_Call_Ap_VehPwrMd_NxtrDiagMgr_SetNTCStatus(Status_Cnt_T_enum)	0	0	•
tgt_VehPwrMd_Per1_ATermActive_Cnt_lgc.value	1	1	•
tgt_VehPwrMd_Per1_CTermActive_Cnt_Igc.value	1	1	•
tgt_VehPwrMd_Per1_OperRampRate_XpmS_f32.value	0.200000003	0.200000003 ± 0.0001	•
tgt_VehPwrMd_Per1_OperRampValue_Uls_f32.value	1	1 ± 0.00390625	•

Test Step Call Trace				
Actual Function	Count	Expected Function	Count	Result
Rte_Call_Ap_VehPwrMd_EpsEn_OP_GET	1	Rte_Call_Ap_VehPwrMd_EpsEn_OP_GET	1	~
Rte_Call_Ap_VehPwrMd_NxtrDiagMgr_GetNTCFailed	1	Rte_Call_Ap_VehPwrMd_NxtrDiagMgr_GetNTCFailed	1	•
Rte_Mode_Ap_VehPwrMd_SystemState_Mode	1	Rte_Mode_Ap_VehPwrMd_SystemState_Mode	1	~
IgnFailureDiag	1	IgnFailureDiag	1	~
Rte_Call_Ap_VehPwrMd_NxtrDiagMgr_SetNTCStatus	1	Rte_Call_Ap_VehPwrMd_NxtrDiagMgr_SetNTCStatus	1	~
Rte_Call_Ap_VehPwrMd_SystemTime_GetSystemTime_mS_u32	1	Rte_Call_Ap_VehPwrMd_SystemTime_GetSystemTime_mS_u32	1	~
Rte Call VehPwrMd Per1 CP1 ChecknointReached	1	Rte Call VehPwrMd Per1 CP1 ChecknointReached	1	_



Test Step 2.12 (Repeat Count = 1)			✓	
Name	Input Value			
IGNDiagStartTime_mS_M_u32p0	6867			
Rte_Call_Ap_VehPwrMd_EpsEn_OP_GET(signal)	tgt_Rte_Call_Ap_VehPwrMd_EpsEn_OP_G	ET_signal		
Rte_Call_Ap_VehPwrMd_NxtrDiagMgr_GetNTCFailed(NTCFailed_Ptr_T_lgc)	tgt_Rte_Call_Ap_VehPwrMd_NxtrDiagMgr_	GetNTCFailed_NTCFailed_Ptr		
Rte_Call_Ap_VehPwrMd_SystemTime_DtrmnElapsedTime_mS_u16(ElapsedTime)	tgt_Rte_Call_Ap_VehPwrMd_SystemTime_	DtrmnElapsedTime_mS_u16_Ela		
Rte_Call_Ap_VehPwrMd_SystemTime_GetSystemTime_mS_u32(CurrentTime)	tgt_Rte_Call_Ap_VehPwrMd_SystemTime_	GetSystemTime_mS_u32_Curren		
Rte_Inst_Ap_VehPwrMd	tgt_Rte_Inst_Ap_VehPwrMd			
Rte_Mode_Ap_VehPwrMd_SystemState_Mode()	2			
k_IGNDiagTime_mS_u16p0	6500			
k_RampDnRt_UlspmS_f32	0.20000003			
k_RampUpRtLoSpd_UlspmS_f32	0.0199999996			
k_RmpDnAsstVehSpdLimit_Kph_f32	0			
tgt_Rte_Call_Ap_VehPwrMd_EpsEn_OP_GET_signal	0			
tgt_Rte_Call_Ap_VehPwrMd_NxtrDiagMgr_GetNTCFailed_NTCFailed_Ptr	1			
tgt_Rte_Call_Ap_VehPwrMd_SystemTime_DtrmnElapsedTime_mS_u16_Ela	55200			
tgt_Rte_Call_Ap_VehPwrMd_SystemTime_GetSystemTime_mS_u32_Curren	6874			
tgt_Rte_Inst_Ap_VehPwrMd.VehPwrMd_Per1_ATermActive_Cnt_Igc	tgt_VehPwrMd_Per1_ATermActive_Cnt_lgc			
tgt_Rte_Inst_Ap_VehPwrMd.VehPwrMd_Per1_CTermActive_Cnt_lgc	tgt_VehPwrMd_Per1_CTermActive_Cnt_lgc			
tgt_Rte_Inst_Ap_VehPwrMd.VehPwrMd_Per1_EngONSrlComSvcDft_Cnt_lgc	tgt_VehPwrMd_Per1_EngONSrlComSvcDft_Cnt_lgc			
tgt_Rte_Inst_Ap_VehPwrMd.VehPwrMd_Per1_OperRampRate_XpmS_f32	tgt_VehPwrMd_Per1_OperRampRate_Xpm	S_f32		
tgt_Rte_Inst_Ap_VehPwrMd.VehPwrMd_Per1_OperRampValue_Uls_f32	tgt_VehPwrMd_Per1_OperRampValue_Uls_	_f32		
tgt_Rte_Inst_Ap_VehPwrMd.VehPwrMd_Per1_SrlComEngOn_Cnt_lgc	tgt_VehPwrMd_Per1_SrlComEngOn_Cnt_lg	gc		
tgt_Rte_Inst_Ap_VehPwrMd.VehPwrMd_Per1_SrlComSPMOn_Cnt_Igc	tgt_VehPwrMd_Per1_SrlComSPMOn_Cnt_I	gc		
tgt_Rte_Inst_Ap_VehPwrMd.VehPwrMd_Per1_VehSpdValid_Cnt_Igc	tgt_VehPwrMd_Per1_VehSpdValid_Cnt_lgc			
tgt_Rte_Inst_Ap_VehPwrMd.VehPwrMd_Per1_VehSpd_Kph_f32	tgt_VehPwrMd_Per1_VehSpd_Kph_f32			
tgt_VehPwrMd_Per1_EngONSrlComSvcDft_Cnt_lgc.value	0			
tgt_VehPwrMd_Per1_SrlComEngOn_Cnt_lgc.value	0			
tgt_VehPwrMd_Per1_SrlComSPMOn_Cnt_lgc.value	1			
tgt_VehPwrMd_Per1_VehSpdValid_Cnt_lgc.value	0			
tgt_VehPwrMd_Per1_VehSpd_Kph_f32.value	350.200012			
Name	Actual Value	Expected Value	Result	
IGNDiagStartTime_mS_M_u32p0	6867	6867	-	
Rte_Call_Ap_VehPwrMd_NxtrDiagMgr_SetNTCStatus(NTC_Cnt_T_enum)	184	184	•	
Rte_Call_Ap_VehPwrMd_NxtrDiagMgr_SetNTCStatus(Param_Cnt_T_u08)	1	1	•	
Rte_Call_Ap_VehPwrMd_NxtrDiagMgr_SetNTCStatus(Status_Cnt_T_enum)	1	1		
tgt_VehPwrMd_Per1_ATermActive_Cnt_lgc.value	1	1	-	
tgt_VehPwrMd_Per1_CTermActive_Cnt_lgc.value	1	1	-	

Test Step Call Trace				
Actual Function	Count	Expected Function	Count	Result
Rte_Call_Ap_VehPwrMd_EpsEn_OP_GET	1	Rte_Call_Ap_VehPwrMd_EpsEn_OP_GET	1	~
Rte_Call_Ap_VehPwrMd_NxtrDiagMgr_GetNTCFailed	1	Rte_Call_Ap_VehPwrMd_NxtrDiagMgr_GetNTCFailed	1	~
Rte_Mode_Ap_VehPwrMd_SystemState_Mode	1	Rte_Mode_Ap_VehPwrMd_SystemState_Mode	1	~
IgnFailureDiag	1	IgnFailureDiag	1	~
Rte_Call_Ap_VehPwrMd_SystemTime_DtrmnElapsedTime_mS_u16	1	Rte_Call_Ap_VehPwrMd_SystemTime_DtrmnElapsedTime_mS_u16	1	~
Rte_Call_Ap_VehPwrMd_NxtrDiagMgr_SetNTCStatus	1	Rte_Call_Ap_VehPwrMd_NxtrDiagMgr_SetNTCStatus	1	•
Rte_Call_VehPwrMd_Per1_CP1_CheckpointReached	1	Rte_Call_VehPwrMd_Per1_CP1_CheckpointReached	1	•

0.0199999996

0.0199999996 ± 0.0001

1 ± 0.00390625

Test Step 2.13 (Repeat Count = 1)	✓
Name	Input Value
IGNDiagStartTime_mS_M_u32p0	89089
Rte_Call_Ap_VehPwrMd_EpsEn_OP_GET(signal)	tgt_Rte_Call_Ap_VehPwrMd_EpsEn_OP_GET_signal
Rte_Call_Ap_VehPwrMd_NxtrDiagMgr_GetNTCFailed(NTCFailed_Ptr_T_lgc)	tgt_Rte_Call_Ap_VehPwrMd_NxtrDiagMgr_GetNTCFailed_NTCFailed_Ptr
$Rte_Call_Ap_VehPwrMd_SystemTime_DtrmnElapsedTime_mS_u16(ElapsedTime)$	tgt_Rte_Call_Ap_VehPwrMd_SystemTime_DtrmnElapsedTime_mS_u16_Ela
Rte_Call_Ap_VehPwrMd_SystemTime_GetSystemTime_mS_u32(CurrentTime)	tgt_Rte_Call_Ap_VehPwrMd_SystemTime_GetSystemTime_mS_u32_Curren
Rte_Inst_Ap_VehPwrMd	tgt_Rte_Inst_Ap_VehPwrMd
Rte_Mode_Ap_VehPwrMd_SystemState_Mode()	2
k_IGNDiagTime_mS_u16p0	8000
k_RampDnRt_UlspmS_f32	0.0199999996
k_RampUpRtLoSpd_UlspmS_f32	0.0500000007
k_RmpDnAsstVehSpdLimit_Kph_f32	255
tgt_Rte_Call_Ap_VehPwrMd_EpsEn_OP_GET_signal	1
tgt_Rte_Call_Ap_VehPwrMd_NxtrDiagMgr_GetNTCFailed_NTCFailed_Ptr	1
tgt_Rte_Call_Ap_VehPwrMd_SystemTime_DtrmnElapsedTime_mS_u16_Ela	35000
tgt_Rte_Call_Ap_VehPwrMd_SystemTime_GetSystemTime_mS_u32_Curren	8888
tgt_Rte_Inst_Ap_VehPwrMd.VehPwrMd_Per1_ATermActive_Cnt_Igc	tgt_VehPwrMd_Per1_ATermActive_Cnt_lgc
tgt_Rte_Inst_Ap_VehPwrMd.VehPwrMd_Per1_CTermActive_Cnt_Igc	tgt_VehPwrMd_Per1_CTermActive_Cnt_lgc

 $\label{total_persum} $$ tgt_VehPwrMd_Per1_OperRampRate_XpmS_f32.value $$ tgt_VehPwrMd_Per1_OperRampValue_Uls_f32.value $$ tgt_VehPwrMd_Per1_OperRampValue $$ tgt_$



Name	Input Value		
tgt_Rte_Inst_Ap_VehPwrMd.VehPwrMd_Per1_EngONSrlComSvcDft_Cnt_lgc	tgt_VehPwrMd_Per1_EngONSrlComSvcDft_	Cnt_lgc	
tgt_Rte_Inst_Ap_VehPwrMd.VehPwrMd_Per1_OperRampRate_XpmS_f32	tgt_VehPwrMd_Per1_OperRampRate_XpmS	_f32	
tgt_Rte_Inst_Ap_VehPwrMd.VehPwrMd_Per1_OperRampValue_Uls_f32	tgt_VehPwrMd_Per1_OperRampValue_Uls_t	32	
tgt_Rte_Inst_Ap_VehPwrMd.VehPwrMd_Per1_SrlComEngOn_Cnt_lgc	tgt_VehPwrMd_Per1_SrlComEngOn_Cnt_lgd	;	
tgt_Rte_Inst_Ap_VehPwrMd.VehPwrMd_Per1_SrlComSPMOn_Cnt_lgc	tgt_VehPwrMd_Per1_SrlComSPMOn_Cnt_lg	С	
tgt_Rte_Inst_Ap_VehPwrMd.VehPwrMd_Per1_VehSpdValid_Cnt_Igc	tgt_VehPwrMd_Per1_VehSpdValid_Cnt_lgc		
tgt_Rte_Inst_Ap_VehPwrMd.VehPwrMd_Per1_VehSpd_Kph_f32	tgt_VehPwrMd_Per1_VehSpd_Kph_f32		
tgt_VehPwrMd_Per1_EngONSrlComSvcDft_Cnt_lgc.value	0		
tgt_VehPwrMd_Per1_SrlComEngOn_Cnt_lgc.value	1		
tgt_VehPwrMd_Per1_SrlComSPMOn_Cnt_lgc.value	1		
tgt_VehPwrMd_Per1_VehSpdValid_Cnt_lgc.value	1		
tgt_VehPwrMd_Per1_VehSpd_Kph_f32.value	254.100006		
Name	A atual Value	Fymantad Value	Daguile

254.100006		
Actual Value	Expected Value	Result
8888	8888	~
184	184	✓
1	1	~
0	0	✓
1	1	~
0	0	✓
0.0199999996	0.0199999996 ± 0.0001	~
0	0 ± 0.00390625	•
	Actual Value 8888 184 1 0 0 1 0 0.0199999996	Actual Value Expected Value 8888 8888 184 184 1 1 0 0 1 1 0 0 0.0199999996 0.0199999996 ± 0.0001

Test Step Call Trace				
Actual Function	Count	Expected Function	Count	Result
Rte_Call_Ap_VehPwrMd_EpsEn_OP_GET	1	Rte_Call_Ap_VehPwrMd_EpsEn_OP_GET	1	~
Rte_Call_Ap_VehPwrMd_NxtrDiagMgr_GetNTCFailed	1	Rte_Call_Ap_VehPwrMd_NxtrDiagMgr_GetNTCFailed	1	~
Rte_Mode_Ap_VehPwrMd_SystemState_Mode	1	Rte_Mode_Ap_VehPwrMd_SystemState_Mode	1	~
IgnFailureDiag	1	IgnFailureDiag	1	•
Rte_Call_Ap_VehPwrMd_NxtrDiagMgr_SetNTCStatus	1	Rte_Call_Ap_VehPwrMd_NxtrDiagMgr_SetNTCStatus	1	~
Rte_Call_Ap_VehPwrMd_SystemTime_GetSystemTime_mS_u32	1	Rte_Call_Ap_VehPwrMd_SystemTime_GetSystemTime_mS_u32	1	~
Rte_Call_VehPwrMd_Per1_CP1_CheckpointReached	1	Rte_Call_VehPwrMd_Per1_CP1_CheckpointReached	1	-

Test Step 2.14 (Repeat Count = 1) Name	Input Value		
IGNDiagStartTime mS M u32p0	1452		
		ET signal	
Rte_Call_Ap_VehPwrMd_EpsEn_OP_GET(signal)	tgt_Rte_Call_Ap_VehPwrMd_EpsEn_OP_G		
Rte_Call_Ap_VehPwrMd_NxtrDiagMgr_GetNTCFailed(NTCFailed_Ptr_T_lgc)	tgt_Rte_Call_Ap_VehPwrMd_NxtrDiagMgr_		
Rte_Call_Ap_VehPwrMd_SystemTime_DtrmnElapsedTime_mS_u16(ElapsedTime)			
Rte_Call_Ap_VehPwrMd_SystemTime_GetSystemTime_mS_u32(CurrentTime)	tgt_Rte_Call_Ap_VehPwrMd_SystemTime_	GetSystemTime_mS_u32_Curren	
Rte_Inst_Ap_VehPwrMd	tgt_Rte_Inst_Ap_VehPwrMd		
Rte_Mode_Ap_VehPwrMd_SystemState_Mode()	3		
k_IGNDiagTime_mS_u16p0	7500		
k_RampDnRt_UlspmS_f32	0.0500000007		
k_RampUpRtLoSpd_UlspmS_f32	0.75		
k_RmpDnAsstVehSpdLimit_Kph_f32	120.5		
tgt_Rte_Call_Ap_VehPwrMd_EpsEn_OP_GET_signal	0		
tgt_Rte_Call_Ap_VehPwrMd_NxtrDiagMgr_GetNTCFailed_NTCFailed_Ptr	0		
tgt_Rte_Call_Ap_VehPwrMd_SystemTime_DtrmnElapsedTime_mS_u16_Ela	41250		
tgt_Rte_Call_Ap_VehPwrMd_SystemTime_GetSystemTime_mS_u32_Curren	9999		
tgt_Rte_Inst_Ap_VehPwrMd.VehPwrMd_Per1_ATermActive_Cnt_lgc	tgt_VehPwrMd_Per1_ATermActive_Cnt_lgc		
tgt_Rte_Inst_Ap_VehPwrMd.VehPwrMd_Per1_CTermActive_Cnt_lgc	tgt_VehPwrMd_Per1_CTermActive_Cnt_lgc		
tgt_Rte_Inst_Ap_VehPwrMd.VehPwrMd_Per1_EngONSrlComSvcDft_Cnt_lgc	tgt_VehPwrMd_Per1_EngONSrlComSvcDft_Cnt_lgc		
tgt_Rte_Inst_Ap_VehPwrMd.VehPwrMd_Per1_OperRampRate_XpmS_f32	tgt_VehPwrMd_Per1_OperRampRate_XpmS_f32		
tgt_Rte_Inst_Ap_VehPwrMd.VehPwrMd_Per1_OperRampValue_Uls_f32	tgt_VehPwrMd_Per1_OperRampValue_Uls_f32		
tgt_Rte_Inst_Ap_VehPwrMd.VehPwrMd_Per1_SrlComEngOn_Cnt_lgc	tgt_VehPwrMd_Per1_SrlComEngOn_Cnt_lgc		
tgt_Rte_Inst_Ap_VehPwrMd.VehPwrMd_Per1_SrlComSPMOn_Cnt_lgc	tgt_VehPwrMd_Per1_SrlComSPMOn_Cnt_lgc		
tgt_Rte_Inst_Ap_VehPwrMd.VehPwrMd_Per1_VehSpdValid_Cnt_lgc	tgt_VehPwrMd_Per1_VehSpdValid_Cnt_lgc		
tgt_Rte_Inst_Ap_VehPwrMd.VehPwrMd_Per1_VehSpd_Kph_f32	tgt_VehPwrMd_Per1_VehSpd_Kph_f32		
tgt_VehPwrMd_Per1_EngONSrlComSvcDft_Cnt_lgc.value	0		
tgt_VehPwrMd_Per1_SrlComEngOn_Cnt_lgc.value	1		
tgt_VehPwrMd_Per1_SrlComSPMOn_Cnt_lgc.value	1		
tgt_VehPwrMd_Per1_VehSpdValid_Cnt_lgc.value	0		
tgt_VehPwrMd_Per1_VehSpd_Kph_f32.value	250.5		
Name	Actual Value	Expected Value	Resul
IGNDiagStartTime mS M u32p0	1452	1452	•
		-	
Rte Call Ap VehPwrMd NxtrDiagMgr SetNTCStatus(NTC Cnt T enum)	184	184	

tgt_VehPwrMd_Per1_ATermActive_Cnt_lgc.value

Rte_Call_Ap_VehPwrMd_NxtrDiagMgr_SetNTCStatus(Status_Cnt_T_enum)

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VehPwrMd_Per1

Name	Actual Value	Expected Value	Result
tgt_VehPwrMd_Per1_OperRampRate_XpmS_f32.value	0.75	0.75 ± 0.0001	~
tgt VehPwrMd Per1 OperRampValue Uls f32.value	1	1 ± 0.00390625	✓

Test Step Call Trace				V
Actual Function	Count	Expected Function	Count	Result
Rte_Call_Ap_VehPwrMd_EpsEn_OP_GET	1	Rte_Call_Ap_VehPwrMd_EpsEn_OP_GET	1	~
Rte_Call_Ap_VehPwrMd_NxtrDiagMgr_GetNTCFailed	1	Rte_Call_Ap_VehPwrMd_NxtrDiagMgr_GetNTCFailed	1	✓
Rte_Mode_Ap_VehPwrMd_SystemState_Mode	1	Rte_Mode_Ap_VehPwrMd_SystemState_Mode	1	~
IgnFailureDiag	1	IgnFailureDiag	1	~
Rte_Call_Ap_VehPwrMd_SystemTime_DtrmnElapsedTime_mS_u16	1	Rte_Call_Ap_VehPwrMd_SystemTime_DtrmnElapsedTime_mS_u16	1	~
Rte_Call_Ap_VehPwrMd_NxtrDiagMgr_SetNTCStatus	1	Rte_Call_Ap_VehPwrMd_NxtrDiagMgr_SetNTCStatus	1	~
Rte_Call_VehPwrMd_Per1_CP1_CheckpointReached	1	Rte_Call_VehPwrMd_Per1_CP1_CheckpointReached	1	~

Test Step 2.15 (Repeat Count = 1)			
Name	Input Value		
GNDiagStartTime_mS_M_u32p0	1234		
Rte_Call_Ap_VehPwrMd_EpsEn_OP_GET(signal)	tgt_Rte_Call_Ap_VehPwrMd_EpsEn_OP_GET_signal		
Rte_Call_Ap_VehPwrMd_NxtrDiagMgr_GetNTCFailed(NTCFailed_Ptr_T_lgc)	tgt_Rte_Call_Ap_VehPwrMd_NxtrDiagMgr_		
Rte_Call_Ap_VehPwrMd_SystemTime_DtrmnElapsedTime_mS_u16(ElapsedTime)	tgt_Rte_Call_Ap_VehPwrMd_SystemTime_l	DtrmnElapsedTime_mS_u16_Ela	
Rte_Call_Ap_VehPwrMd_SystemTime_GetSystemTime_mS_u32(CurrentTime)	tgt_Rte_Call_Ap_VehPwrMd_SystemTime_0	GetSystemTime_mS_u32_Curren	
Rte_Inst_Ap_VehPwrMd	tgt_Rte_Inst_Ap_VehPwrMd		
Rte_Mode_Ap_VehPwrMd_SystemState_Mode()	2		
c_IGNDiagTime_mS_u16p0	1200		
k_RampDnRt_UlspmS_f32	0.0199999996		
<_RampUpRtLoSpd_UlspmS_f32	0.0500000007		
k_RmpDnAsstVehSpdLimit_Kph_f32	10		
gt_Rte_Call_Ap_VehPwrMd_EpsEn_OP_GET_signal	0		
gt_Rte_Call_Ap_VehPwrMd_NxtrDiagMgr_GetNTCFailed_NTCFailed_Ptr	0		
gt_Rte_Call_Ap_VehPwrMd_SystemTime_DtrmnElapsedTime_mS_u16_Ela	1230		
gt_Rte_Call_Ap_VehPwrMd_SystemTime_GetSystemTime_mS_u32_Curren	89089		
gt_Rte_Inst_Ap_VehPwrMd.VehPwrMd_Per1_ATermActive_Cnt_Igc	tgt_VehPwrMd_Per1_ATermActive_Cnt_lgc		
gt_Rte_Inst_Ap_VehPwrMd.VehPwrMd_Per1_CTermActive_Cnt_lgc	tgt_VehPwrMd_Per1_CTermActive_Cnt_lgc		
gt_Rte_Inst_Ap_VehPwrMd.VehPwrMd_Per1_EngONSrlComSvcDft_Cnt_lgc	tgt_VehPwrMd_Per1_EngONSrlComSvcDft_Cnt_lgc		
gt_Rte_Inst_Ap_VehPwrMd.VehPwrMd_Per1_OperRampRate_XpmS_f32	tgt_VehPwrMd_Per1_OperRampRate_XpmS_f32		
gt_Rte_Inst_Ap_VehPwrMd.VehPwrMd_Per1_OperRampValue_Uls_f32	tgt_VehPwrMd_Per1_OperRampValue_Uls_f32		
gt_Rte_Inst_Ap_VehPwrMd.VehPwrMd_Per1_SrlComEngOn_Cnt_lgc	tgt_VehPwrMd_Per1_SrlComEngOn_Cnt_lgc		
gt_Rte_Inst_Ap_VehPwrMd.VehPwrMd_Per1_SrlComSPMOn_Cnt_lgc	tgt_VehPwrMd_Per1_SrlComSPMOn_Cnt_lgc		
gt_Rte_Inst_Ap_VehPwrMd.VehPwrMd_Per1_VehSpdValid_Cnt_lgc	tgt_VehPwrMd_Per1_VehSpdValid_Cnt_lgc		
gt_Rte_Inst_Ap_VehPwrMd.VehPwrMd_Per1_VehSpd_Kph_f32	tgt_VehPwrMd_Per1_VehSpd_Kph_f32		
gt_VehPwrMd_Per1_EngONSrlComSvcDft_Cnt_lgc.value	1		
gt_VehPwrMd_Per1_SrlComEngOn_Cnt_lgc.value	0		
gt_VehPwrMd_Per1_SrlComSPMOn_Cnt_lgc.value	1		
gt_VehPwrMd_Per1_VehSpdValid_Cnt_lgc.value	1		
gt_VehPwrMd_Per1_VehSpd_Kph_f32.value	511		
Name	Actual Value	Expected Value	Resu
GNDiagStartTime mS M u32p0	1234	1234	
Rte Call Ap VehPwrMd NxtrDiagMgr SetNTCStatus(NTC Cnt T enum)	184	184	
Rte_Call_Ap_VehPwrMd_NxtrDiagMgr_SetNTCStatus(Param_Cnt_T_u08)	1	1	
Rte Call Ap VehPwrMd NxtrDiagMgr SetNTCStatus(Status Cnt T enum)	1	1	
gt VehPwrMd Per1 ATermActive Cnt Igc.value	0	0	
gt_VehPwrMd_Per1_CTermActive_Cnt_lgc.value	0	0	
gt VehPwrMd Per1 OperRampRate XpmS f32.value	0.0199999996	0.0199999996 ± 0.0001	
gt VehPwrMd Per1 OperRampValue Uls f32.value	0	0 ± 0.00390625	

Test Step Call Trace				
Actual Function	Count	Expected Function	Count	Result
Rte_Call_Ap_VehPwrMd_EpsEn_OP_GET	1	Rte_Call_Ap_VehPwrMd_EpsEn_OP_GET	1	~
Rte_Call_Ap_VehPwrMd_NxtrDiagMgr_GetNTCFailed	1	Rte_Call_Ap_VehPwrMd_NxtrDiagMgr_GetNTCFailed	1	•
Rte_Mode_Ap_VehPwrMd_SystemState_Mode	1	Rte_Mode_Ap_VehPwrMd_SystemState_Mode	1	•
IgnFailureDiag	1	IgnFailureDiag	1	✓
Rte_Call_Ap_VehPwrMd_SystemTime_DtrmnElapsedTime_mS_u16	1	Rte_Call_Ap_VehPwrMd_SystemTime_DtrmnElapsedTime_mS_u16	1	~
Rte_Call_Ap_VehPwrMd_NxtrDiagMgr_SetNTCStatus	1	Rte_Call_Ap_VehPwrMd_NxtrDiagMgr_SetNTCStatus	1	✓
Rte_Call_VehPwrMd_Per1_CP1_CheckpointReached	1	Rte_Call_VehPwrMd_Per1_CP1_CheckpointReached	1	~



Test Step 2.16 (Repeat Count = 1)			✓
Name	Input Value		
IGNDiagStartTime_mS_M_u32p0	6874		
Rte_Call_Ap_VehPwrMd_EpsEn_OP_GET(signal)	tgt_Rte_Call_Ap_VehPwrMd_EpsEn_OP_G	ET_signal	
Rte_Call_Ap_VehPwrMd_NxtrDiagMgr_GetNTCFailed(NTCFailed_Ptr_T_lgc)	tgt_Rte_Call_Ap_VehPwrMd_NxtrDiagMgr_0	GetNTCFailed_NTCFailed_Ptr	
Rte_Call_Ap_VehPwrMd_SystemTime_DtrmnElapsedTime_mS_u16(ElapsedTime)	tgt_Rte_Call_Ap_VehPwrMd_SystemTime_I	OtrmnElapsedTime_mS_u16_Ela	
Rte_Call_Ap_VehPwrMd_SystemTime_GetSystemTime_mS_u32(CurrentTime)	tgt_Rte_Call_Ap_VehPwrMd_SystemTime_0	GetSystemTime_mS_u32_Curren	
Rte_Inst_Ap_VehPwrMd	tgt_Rte_Inst_Ap_VehPwrMd		
Rte_Mode_Ap_VehPwrMd_SystemState_Mode()	2		
k_IGNDiagTime_mS_u16p0	4500		
k_RampDnRt_UlspmS_f32	2.9999992e-005		
k_RampUpRtLoSpd_UlspmS_f32	0.800000012		
k_RmpDnAsstVehSpdLimit_Kph_f32	125.300003		
tgt_Rte_Call_Ap_VehPwrMd_EpsEn_OP_GET_signal	0		
tgt_Rte_Call_Ap_VehPwrMd_NxtrDiagMgr_GetNTCFailed_NTCFailed_Ptr	1		
tgt_Rte_Call_Ap_VehPwrMd_SystemTime_DtrmnElapsedTime_mS_u16_Ela	55200		
tgt_Rte_Call_Ap_VehPwrMd_SystemTime_GetSystemTime_mS_u32_Curren	1000		
tgt_Rte_Inst_Ap_VehPwrMd.VehPwrMd_Per1_ATermActive_Cnt_lgc	tgt_VehPwrMd_Per1_ATermActive_Cnt_lgc		
tgt_Rte_Inst_Ap_VehPwrMd.VehPwrMd_Per1_CTermActive_Cnt_lgc	tgt_VehPwrMd_Per1_CTermActive_Cnt_lgc		
tgt_Rte_Inst_Ap_VehPwrMd.VehPwrMd_Per1_EngONSrlComSvcDft_Cnt_lgc	tgt_VehPwrMd_Per1_EngONSrlComSvcDft_Cnt_lgc		
tgt_Rte_Inst_Ap_VehPwrMd.VehPwrMd_Per1_OperRampRate_XpmS_f32	tgt_VehPwrMd_Per1_OperRampRate_XpmS_f32		
tgt_Rte_Inst_Ap_VehPwrMd.VehPwrMd_Per1_OperRampValue_Uls_f32	tgt_VehPwrMd_Per1_OperRampValue_Uls_f32		
tgt_Rte_Inst_Ap_VehPwrMd.VehPwrMd_Per1_SrlComEngOn_Cnt_lgc	tgt_VehPwrMd_Per1_SrlComEngOn_Cnt_lgc		
tgt_Rte_Inst_Ap_VehPwrMd.VehPwrMd_Per1_SrlComSPMOn_Cnt_lgc	tgt_VehPwrMd_Per1_SrlComSPMOn_Cnt_lgc		
tgt_Rte_Inst_Ap_VehPwrMd.VehPwrMd_Per1_VehSpdValid_Cnt_Igc	tgt_VehPwrMd_Per1_VehSpdValid_Cnt_lgc		
tgt_Rte_Inst_Ap_VehPwrMd.VehPwrMd_Per1_VehSpd_Kph_f32	tgt_VehPwrMd_Per1_VehSpd_Kph_f32		
tgt_VehPwrMd_Per1_EngONSrlComSvcDft_Cnt_lgc.value	0		
tgt_VehPwrMd_Per1_SrlComEngOn_Cnt_lgc.value	1		
tgt_VehPwrMd_Per1_SrlComSPMOn_Cnt_lgc.value	0		
tgt_VehPwrMd_Per1_VehSpdValid_Cnt_lgc.value	1		
tgt_VehPwrMd_Per1_VehSpd_Kph_f32.value	40.2000008		
Name	Actual Value	Expected Value	Result
IGNDiagStartTime_mS_M_u32p0	6874	6874	~
Rte_Call_Ap_VehPwrMd_NxtrDiagMgr_SetNTCStatus(NTC_Cnt_T_enum)	184	184	~
Rte_Call_Ap_VehPwrMd_NxtrDiagMgr_SetNTCStatus(Param_Cnt_T_u08)	1	1	~
Rte_Call_Ap_VehPwrMd_NxtrDiagMgr_SetNTCStatus(Status_Cnt_T_enum)	1	1	~
tgt_VehPwrMd_Per1_ATermActive_Cnt_lgc.value	0	0	~
tgt_VehPwrMd_Per1_CTermActive_Cnt_lgc.value	0	0	~

Test Step Call Trace				
Actual Function	Count	Expected Function	Count	Result
Rte_Call_Ap_VehPwrMd_EpsEn_OP_GET	1	Rte_Call_Ap_VehPwrMd_EpsEn_OP_GET	1	~
Rte_Call_Ap_VehPwrMd_NxtrDiagMgr_GetNTCFailed	1	Rte_Call_Ap_VehPwrMd_NxtrDiagMgr_GetNTCFailed	1	✓
Rte_Mode_Ap_VehPwrMd_SystemState_Mode	1	Rte_Mode_Ap_VehPwrMd_SystemState_Mode	1	~
IgnFailureDiag	1	IgnFailureDiag	1	~
Rte_Call_Ap_VehPwrMd_SystemTime_DtrmnElapsedTime_mS_u16	1	Rte_Call_Ap_VehPwrMd_SystemTime_DtrmnElapsedTime_mS_u16	1	~
Rte_Call_Ap_VehPwrMd_NxtrDiagMgr_SetNTCStatus	1	Rte_Call_Ap_VehPwrMd_NxtrDiagMgr_SetNTCStatus	1	~
Rte Call VehPwrMd Per1 CP1 CheckpointReached	1	Rte Call VehPwrMd Per1 CP1 CheckpointReached	1	~

2.99999992e-005

2.99999992e-005 ± 0.0001

0 ± 0.00390625

Test Step 2.17 (Repeat Count = 1)	✓
Name	Input Value
IGNDiagStartTime_mS_M_u32p0	8888
Rte_Call_Ap_VehPwrMd_EpsEn_OP_GET(signal)	tgt_Rte_Call_Ap_VehPwrMd_EpsEn_OP_GET_signal
Rte_Call_Ap_VehPwrMd_NxtrDiagMgr_GetNTCFailed(NTCFailed_Ptr_T_lgc)	tgt_Rte_Call_Ap_VehPwrMd_NxtrDiagMgr_GetNTCFailed_NTCFailed_Ptr
$Rte_Call_Ap_VehPwrMd_SystemTime_DtrmnElapsedTime_mS_u16(ElapsedTime)$	tgt_Rte_Call_Ap_VehPwrMd_SystemTime_DtrmnElapsedTime_mS_u16_Ela
Rte_Call_Ap_VehPwrMd_SystemTime_GetSystemTime_mS_u32(CurrentTime)	tgt_Rte_Call_Ap_VehPwrMd_SystemTime_GetSystemTime_mS_u32_Curren
Rte_Inst_Ap_VehPwrMd	tgt_Rte_Inst_Ap_VehPwrMd
Rte_Mode_Ap_VehPwrMd_SystemState_Mode()	2
k_IGNDiagTime_mS_u16p0	250
k_RampDnRt_UlspmS_f32	1
k_RampUpRtLoSpd_UlspmS_f32	0.89999976
k_RmpDnAsstVehSpdLimit_Kph_f32	254.100006
tgt_Rte_Call_Ap_VehPwrMd_EpsEn_OP_GET_signal	1
tgt_Rte_Call_Ap_VehPwrMd_NxtrDiagMgr_GetNTCFailed_NTCFailed_Ptr	1
tgt_Rte_Call_Ap_VehPwrMd_SystemTime_DtrmnElapsedTime_mS_u16_Ela	1230
tgt_Rte_Call_Ap_VehPwrMd_SystemTime_GetSystemTime_mS_u32_Curren	1234
tgt_Rte_Inst_Ap_VehPwrMd.VehPwrMd_Per1_ATermActive_Cnt_Igc	tgt_VehPwrMd_Per1_ATermActive_Cnt_lgc
tgt_Rte_Inst_Ap_VehPwrMd.VehPwrMd_Per1_CTermActive_Cnt_lgc	tgt_VehPwrMd_Per1_CTermActive_Cnt_Igc

tgt_VehPwrMd_Per1_OperRampRate_XpmS_f32.value

 $tgt_VehPwrMd_Per1_OperRampValue_Uls_f32.value$

VehPwrMd_Per1



Name	Input Value		
tgt_Rte_Inst_Ap_VehPwrMd.VehPwrMd_Per1_EngONSrlComSvcDft_Cnt_lgc	tgt_VehPwrMd_Per1_EngONSrlComSvcDft	_Cnt_lgc	
tgt_Rte_Inst_Ap_VehPwrMd.VehPwrMd_Per1_OperRampRate_XpmS_f32	tgt_VehPwrMd_Per1_OperRampRate_Xpm	S_f32	
tgt_Rte_Inst_Ap_VehPwrMd.VehPwrMd_Per1_OperRampValue_Uls_f32	tgt_VehPwrMd_Per1_OperRampValue_Uls_	<u>f</u> 32	
tgt_Rte_Inst_Ap_VehPwrMd.VehPwrMd_Per1_SrlComEngOn_Cnt_lgc	tgt_VehPwrMd_Per1_SrlComEngOn_Cnt_lg	С	
tgt_Rte_Inst_Ap_VehPwrMd.VehPwrMd_Per1_SrlComSPMOn_Cnt_lgc	tgt_VehPwrMd_Per1_SrlComSPMOn_Cnt_I	gc	
tgt_Rte_Inst_Ap_VehPwrMd.VehPwrMd_Per1_VehSpdValid_Cnt_lgc	tgt_VehPwrMd_Per1_VehSpdValid_Cnt_lgc		
tgt_Rte_Inst_Ap_VehPwrMd.VehPwrMd_Per1_VehSpd_Kph_f32	tgt_VehPwrMd_Per1_VehSpd_Kph_f32		
tgt_VehPwrMd_Per1_EngONSrlComSvcDft_Cnt_lgc.value	0		
tgt_VehPwrMd_Per1_SrlComEngOn_Cnt_lgc.value	0		
tgt_VehPwrMd_Per1_SrlComSPMOn_Cnt_lgc.value	1		
tgt_VehPwrMd_Per1_VehSpdValid_Cnt_lgc.value	1		
tgt_VehPwrMd_Per1_VehSpd_Kph_f32.value	112.199997		
Name	Actual Value	Expected Value	Result

112.199997		
Actual Value	Expected Value	Result
1234	1234	~
184	184	✓
1	1	~
0	0	✓
1	1	~
0	0	✓
1	1 ± 0.0001	~
0	0 ± 0.00390625	•
	Actual Value 1234 184 1 0 1	Actual Value Expected Value 1234 1234 184 184 1 1 0 0 1 1 0 0 1 1 0 0 1 1 ± 0.0001

Test Step Call Trace				V
Actual Function	Count	Expected Function	Count	Result
Rte_Call_Ap_VehPwrMd_EpsEn_OP_GET	1	Rte_Call_Ap_VehPwrMd_EpsEn_OP_GET	1	~
Rte_Call_Ap_VehPwrMd_NxtrDiagMgr_GetNTCFailed	1	Rte_Call_Ap_VehPwrMd_NxtrDiagMgr_GetNTCFailed	1	~
Rte_Mode_Ap_VehPwrMd_SystemState_Mode	1	Rte_Mode_Ap_VehPwrMd_SystemState_Mode	1	~
IgnFailureDiag	1	IgnFailureDiag	1	•
Rte_Call_Ap_VehPwrMd_NxtrDiagMgr_SetNTCStatus	1	Rte_Call_Ap_VehPwrMd_NxtrDiagMgr_SetNTCStatus	1	~
Rte_Call_Ap_VehPwrMd_SystemTime_GetSystemTime_mS_u32	1	Rte_Call_Ap_VehPwrMd_SystemTime_GetSystemTime_mS_u32	1	~
Rte_Call_VehPwrMd_Per1_CP1_CheckpointReached	1	Rte_Call_VehPwrMd_Per1_CP1_CheckpointReached	1	-

Name	Input Value		
IGNDiagStartTime_mS_M_u32p0	9999		
Rte_Call_Ap_VehPwrMd_EpsEn_OP_GET(signal)	tgt_Rte_Call_Ap_VehPwrMd_EpsEn_OP_G	ET_signal	
Rte_Call_Ap_VehPwrMd_NxtrDiagMgr_GetNTCFailed(NTCFailed_Ptr_T_lgc)	tgt_Rte_Call_Ap_VehPwrMd_NxtrDiagMgr_0	GetNTCFailed_NTCFailed_Ptr	
Rte_Call_Ap_VehPwrMd_SystemTime_DtrmnElapsedTime_mS_u16(ElapsedTime)	tgt_Rte_Call_Ap_VehPwrMd_SystemTime_I	OtrmnElapsedTime_mS_u16_Ela	
Rte_Call_Ap_VehPwrMd_SystemTime_GetSystemTime_mS_u32(CurrentTime)	tgt_Rte_Call_Ap_VehPwrMd_SystemTime_0	GetSystemTime_mS_u32_Curren	
Rte_Inst_Ap_VehPwrMd	tgt_Rte_Inst_Ap_VehPwrMd		
Rte_Mode_Ap_VehPwrMd_SystemState_Mode()	2		
k_IGNDiagTime_mS_u16p0	5500		
k_RampDnRt_UlspmS_f32	0.000500000024		
k_RampUpRtLoSpd_UlspmS_f32	0.0199999996		
k_RmpDnAsstVehSpdLimit_Kph_f32	250.5		
tgt_Rte_Call_Ap_VehPwrMd_EpsEn_OP_GET_signal	0		
tgt_Rte_Call_Ap_VehPwrMd_NxtrDiagMgr_GetNTCFailed_NTCFailed_Ptr	1		
tgt_Rte_Call_Ap_VehPwrMd_SystemTime_DtrmnElapsedTime_mS_u16_Ela	40000		
tgt_Rte_Call_Ap_VehPwrMd_SystemTime_GetSystemTime_mS_u32_Curren	645		
tgt_Rte_Inst_Ap_VehPwrMd.VehPwrMd_Per1_ATermActive_Cnt_Igc	tgt_VehPwrMd_Per1_ATermActive_Cnt_lgc		
tgt_Rte_Inst_Ap_VehPwrMd.VehPwrMd_Per1_CTermActive_Cnt_lgc	tgt_VehPwrMd_Per1_CTermActive_Cnt_lgc		
tgt_Rte_Inst_Ap_VehPwrMd.VehPwrMd_Per1_EngONSrlComSvcDft_Cnt_lgc	tgt_VehPwrMd_Per1_EngONSrlComSvcDft_	_Cnt_lgc	
tgt_Rte_Inst_Ap_VehPwrMd.VehPwrMd_Per1_OperRampRate_XpmS_f32	tgt_VehPwrMd_Per1_OperRampRate_Xpm8	S_f32	
tgt_Rte_Inst_Ap_VehPwrMd.VehPwrMd_Per1_OperRampValue_Uls_f32	tgt_VehPwrMd_Per1_OperRampValue_Uls_	<u>f</u> 32	
tgt_Rte_Inst_Ap_VehPwrMd.VehPwrMd_Per1_SrlComEngOn_Cnt_lgc	tgt_VehPwrMd_Per1_SrlComEngOn_Cnt_lg	С	
tgt_Rte_Inst_Ap_VehPwrMd.VehPwrMd_Per1_SrlComSPMOn_Cnt_lgc	tgt_VehPwrMd_Per1_SrlComSPMOn_Cnt_lg	дс	
tgt_Rte_Inst_Ap_VehPwrMd.VehPwrMd_Per1_VehSpdValid_Cnt_Igc	tgt_VehPwrMd_Per1_VehSpdValid_Cnt_lgc		
tgt_Rte_Inst_Ap_VehPwrMd.VehPwrMd_Per1_VehSpd_Kph_f32	tgt_VehPwrMd_Per1_VehSpd_Kph_f32		
tgt_VehPwrMd_Per1_EngONSrlComSvcDft_Cnt_lgc.value	1		
tgt_VehPwrMd_Per1_SrlComEngOn_Cnt_lgc.value	1		
tgt_VehPwrMd_Per1_SrlComSPMOn_Cnt_lgc.value	0		
tgt_VehPwrMd_Per1_VehSpdValid_Cnt_lgc.value	1		
tgt_VehPwrMd_Per1_VehSpd_Kph_f32.value	85.3000031		
Name	Actual Value	Expected Value	Resu
IGNDiagStartTime_mS_M_u32p0	9999	9999	
Rte_Call_Ap_VehPwrMd_NxtrDiagMgr_SetNTCStatus(NTC_Cnt_T_enum)	184	184	
Rte_Call_Ap_VehPwrMd_NxtrDiagMgr_SetNTCStatus(Param_Cnt_T_u08)	1	1	
Discoult Annual Discoult Annua			

1

0

0

0

tgt_VehPwrMd_Per1_ATermActive_Cnt_lgc.value

 $Rte_Call_Ap_VehPwrMd_NxtrDiagMgr_SetNTCStatus(Status_Cnt_T_enum)$

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VehPwrMd_Per1

Name	Actual Value	Expected Value	Result
tgt_VehPwrMd_Per1_OperRampRate_XpmS_f32.value	0.000500000024	0.000500000024 ± 0.0001	~
tgt VehPwrMd Per1 OperRampValue Uls f32.value	0	0 ± 0.00390625	✓

Test Step Call Trace				✓
Actual Function	Count	Expected Function	Count	Result
Rte_Call_Ap_VehPwrMd_EpsEn_OP_GET	1	Rte_Call_Ap_VehPwrMd_EpsEn_OP_GET	1	~
Rte_Call_Ap_VehPwrMd_NxtrDiagMgr_GetNTCFailed	1	Rte_Call_Ap_VehPwrMd_NxtrDiagMgr_GetNTCFailed	1	•
Rte_Mode_Ap_VehPwrMd_SystemState_Mode	1	Rte_Mode_Ap_VehPwrMd_SystemState_Mode	1	~
IgnFailureDiag	1	IgnFailureDiag	1	~
Rte_Call_Ap_VehPwrMd_SystemTime_DtrmnElapsedTime_mS_u16	1	Rte_Call_Ap_VehPwrMd_SystemTime_DtrmnElapsedTime_mS_u16	1	~
Rte_Call_Ap_VehPwrMd_NxtrDiagMgr_SetNTCStatus	1	Rte_Call_Ap_VehPwrMd_NxtrDiagMgr_SetNTCStatus	1	•
Rte_Call_VehPwrMd_Per1_CP1_CheckpointReached	1	Rte_Call_VehPwrMd_Per1_CP1_CheckpointReached	1	~

Name	Input Value		
IGNDiagStartTime_mS_M_u32p0	1000		
Rte Call Ap VehPwrMd EpsEn OP GET(signal)	tgt Rte Call Ap VehPwrMd EpsEn OP G	ET signal	
Rte Call Ap VehPwrMd NxtrDiagMgr GetNTCFailed(NTCFailed Ptr T lgc)	tgt Rte Call Ap VehPwrMd NxtrDiagMgr	GetNTCFailed NTCFailed Ptr	
Rte Call Ap VehPwrMd SystemTime DtrmnElapsedTime mS u16(ElapsedTime	tgt Rte Call Ap VehPwrMd SystemTime	DtrmnElapsedTime mS u16 Ela	
Rte_Call_Ap_VehPwrMd_SystemTime_GetSystemTime_mS_u32(CurrentTime)	tgt_Rte_Call_Ap_VehPwrMd_SystemTime_	GetSystemTime_mS_u32_Curren	
Rte_Inst_Ap_VehPwrMd	tgt_Rte_Inst_Ap_VehPwrMd		
Rte Mode Ap VehPwrMd SystemState Mode()	2		
k_IGNDiagTime_mS_u16p0	2500		
k_RampDnRt_UlspmS_f32	0.300000012		
k_RampUpRtLoSpd_UlspmS_f32	2.99999992e-005		
k_RmpDnAsstVehSpdLimit_Kph_f32	40.2000008		
tgt_Rte_Call_Ap_VehPwrMd_EpsEn_OP_GET_signal	1		
tgt_Rte_Call_Ap_VehPwrMd_NxtrDiagMgr_GetNTCFailed_NTCFailed_Ptr	1		
tgt_Rte_Call_Ap_VehPwrMd_SystemTime_DtrmnElapsedTime_mS_u16_Ela	55200		
tgt_Rte_Call_Ap_VehPwrMd_SystemTime_GetSystemTime_mS_u32_Curren	6867		
tgt_Rte_Inst_Ap_VehPwrMd.VehPwrMd_Per1_ATermActive_Cnt_Igc	tgt_VehPwrMd_Per1_ATermActive_Cnt_lgc		
tgt_Rte_Inst_Ap_VehPwrMd.VehPwrMd_Per1_CTermActive_Cnt_lgc	tgt_VehPwrMd_Per1_CTermActive_Cnt_lgc	:	
tgt_Rte_Inst_Ap_VehPwrMd.VehPwrMd_Per1_EngONSrlComSvcDft_Cnt_lgc	tgt_VehPwrMd_Per1_EngONSrlComSvcDft	_Cnt_lgc	
tgt_Rte_Inst_Ap_VehPwrMd.VehPwrMd_Per1_OperRampRate_XpmS_f32	tgt_VehPwrMd_Per1_OperRampRate_Xpm	S_f32	
tgt_Rte_Inst_Ap_VehPwrMd.VehPwrMd_Per1_OperRampValue_Uls_f32	tgt_VehPwrMd_Per1_OperRampValue_Uls	_f32	
tgt_Rte_Inst_Ap_VehPwrMd.VehPwrMd_Per1_SrlComEngOn_Cnt_lgc	tgt_VehPwrMd_Per1_SrlComEngOn_Cnt_le	ус	
tgt_Rte_Inst_Ap_VehPwrMd.VehPwrMd_Per1_SrlComSPMOn_Cnt_Igc	tgt_VehPwrMd_Per1_SrlComSPMOn_Cnt_	lgc	
tgt_Rte_Inst_Ap_VehPwrMd.VehPwrMd_Per1_VehSpdValid_Cnt_lgc	tgt_VehPwrMd_Per1_VehSpdValid_Cnt_lgd	:	
tgt_Rte_Inst_Ap_VehPwrMd.VehPwrMd_Per1_VehSpd_Kph_f32	tgt_VehPwrMd_Per1_VehSpd_Kph_f32		
tgt_VehPwrMd_Per1_EngONSrlComSvcDft_Cnt_lgc.value	0		
tgt_VehPwrMd_Per1_SrlComEngOn_Cnt_lgc.value	1		
tgt_VehPwrMd_Per1_SrlComSPMOn_Cnt_lgc.value	1		
tgt_VehPwrMd_Per1_VehSpdValid_Cnt_lgc.value	1		
tgt_VehPwrMd_Per1_VehSpd_Kph_f32.value	90.5		
Name	Actual Value	Expected Value	Resul
IGNDiagStartTime_mS_M_u32p0	6867	6867	•
Rte_Call_Ap_VehPwrMd_NxtrDiagMgr_SetNTCStatus(NTC_Cnt_T_enum)	184	184	
Rte_Call_Ap_VehPwrMd_NxtrDiagMgr_SetNTCStatus(Param_Cnt_T_u08)	1	1	
Rte Call Ap VehPwrMd NxtrDiagMgr SetNTCStatus(Status Cnt T enum)	0	0	
tgt_VehPwrMd_Per1_ATermActive_Cnt_lgc.value	1	1	
tgt_VehPwrMd_Per1_CTermActive_Cnt_lgc.value	1	1	•
tgt_VehPwrMd_Per1_OperRampRate_XpmS_f32.value	2.9999992e-005	2.99999992e-005 ± 0.0001	
tgt VehPwrMd Per1 OperRampValue Uls f32.value	1	1 ± 0.00390625	

Test Step Call Trace				✓
Actual Function	Count	Expected Function	Count	Result
Rte_Call_Ap_VehPwrMd_EpsEn_OP_GET	1	Rte_Call_Ap_VehPwrMd_EpsEn_OP_GET	1	~
Rte_Call_Ap_VehPwrMd_NxtrDiagMgr_GetNTCFailed	1	Rte_Call_Ap_VehPwrMd_NxtrDiagMgr_GetNTCFailed	1	~
Rte_Mode_Ap_VehPwrMd_SystemState_Mode	1	Rte_Mode_Ap_VehPwrMd_SystemState_Mode	1	~
IgnFailureDiag	1	IgnFailureDiag	1	~
Rte_Call_Ap_VehPwrMd_NxtrDiagMgr_SetNTCStatus	1	Rte_Call_Ap_VehPwrMd_NxtrDiagMgr_SetNTCStatus	1	~
Rte_Call_Ap_VehPwrMd_SystemTime_GetSystemTime_mS_u32	1	Rte_Call_Ap_VehPwrMd_SystemTime_GetSystemTime_mS_u32	1	~
Rte Call VehPwrMd Per1 CP1 CheckpointReached	1	Rte Call VehPwrMd Per1 CP1 ChecknointReached	1	_



Test Step 2.20 (Repeat Count = 1)			→
Name	Input Value		
IGNDiagStartTime_mS_M_u32p0	1234		
Rte_Call_Ap_VehPwrMd_EpsEn_OP_GET(signal)	tgt_Rte_Call_Ap_VehPwrMd_EpsEn_OP_	GET_signal	
Rte_Call_Ap_VehPwrMd_NxtrDiagMgr_GetNTCFailed(NTCFailed_Ptr_T_lgc)	tgt_Rte_Call_Ap_VehPwrMd_NxtrDiagMgr	_GetNTCFailed_NTCFailed_Ptr	
Rte_Call_Ap_VehPwrMd_SystemTime_DtrmnElapsedTime_mS_u16(ElapsedTime)	tgt_Rte_Call_Ap_VehPwrMd_SystemTime	_DtrmnElapsedTime_mS_u16_Ela	
Rte_Call_Ap_VehPwrMd_SystemTime_GetSystemTime_mS_u32(CurrentTime)	tgt_Rte_Call_Ap_VehPwrMd_SystemTime	_GetSystemTime_mS_u32_Curren	
Rte_Inst_Ap_VehPwrMd	tgt_Rte_Inst_Ap_VehPwrMd		
Rte_Mode_Ap_VehPwrMd_SystemState_Mode()	2		
k_IGNDiagTime_mS_u16p0	1200		
k_RampDnRt_UlspmS_f32	0.40000006		
k_RampUpRtLoSpd_UlspmS_f32	1		
k_RmpDnAsstVehSpdLimit_Kph_f32	112.199997		
tgt_Rte_Call_Ap_VehPwrMd_EpsEn_OP_GET_signal	1		
tgt_Rte_Call_Ap_VehPwrMd_NxtrDiagMgr_GetNTCFailed_NTCFailed_Ptr	0		
tgt_Rte_Call_Ap_VehPwrMd_SystemTime_DtrmnElapsedTime_mS_u16_Ela	35000		
tgt_Rte_Call_Ap_VehPwrMd_SystemTime_GetSystemTime_mS_u32_Curren	89089		
tgt_Rte_Inst_Ap_VehPwrMd.VehPwrMd_Per1_ATermActive_Cnt_Igc	tgt_VehPwrMd_Per1_ATermActive_Cnt_lg	c	
tgt_Rte_Inst_Ap_VehPwrMd.VehPwrMd_Per1_CTermActive_Cnt_lgc	tgt_VehPwrMd_Per1_CTermActive_Cnt_lg	JC	
tgt_Rte_Inst_Ap_VehPwrMd.VehPwrMd_Per1_EngONSrlComSvcDft_Cnt_lgc	tgt_VehPwrMd_Per1_EngONSrlComSvcD	ft_Cnt_lgc	
tgt_Rte_Inst_Ap_VehPwrMd.VehPwrMd_Per1_OperRampRate_XpmS_f32	tgt_VehPwrMd_Per1_OperRampRate_Xpr	nS_f32	
tgt_Rte_Inst_Ap_VehPwrMd.VehPwrMd_Per1_OperRampValue_Uls_f32	tgt_VehPwrMd_Per1_OperRampValue_Ul	s_f32	
tgt_Rte_Inst_Ap_VehPwrMd.VehPwrMd_Per1_SrlComEngOn_Cnt_lgc	tgt_VehPwrMd_Per1_SrlComEngOn_Cnt_	<u>lgc</u>	
tgt_Rte_Inst_Ap_VehPwrMd.VehPwrMd_Per1_SrlComSPMOn_Cnt_lgc	tgt_VehPwrMd_Per1_SrlComSPMOn_Cnt	_lgc	
tgt_Rte_Inst_Ap_VehPwrMd.VehPwrMd_Per1_VehSpdValid_Cnt_Igc	tgt_VehPwrMd_Per1_VehSpdValid_Cnt_lg	JC .	
tgt_Rte_Inst_Ap_VehPwrMd.VehPwrMd_Per1_VehSpd_Kph_f32	tgt_VehPwrMd_Per1_VehSpd_Kph_f32		
tgt_VehPwrMd_Per1_EngONSrlComSvcDft_Cnt_lgc.value	0		
tgt_VehPwrMd_Per1_SrlComEngOn_Cnt_lgc.value	0		
tgt_VehPwrMd_Per1_SrlComSPMOn_Cnt_lgc.value	1		
tgt_VehPwrMd_Per1_VehSpdValid_Cnt_lgc.value	1		
tgt_VehPwrMd_Per1_VehSpd_Kph_f32.value	140.5		
Name	Actual Value	Expected Value	Resul
IGNDiagStartTime_mS_M_u32p0	89089	89089	•
Rte Call Ap VehPwrMd NxtrDiagMgr SetNTCStatus(NTC Cnt T enum)	184	184	
Rte_Call_Ap_VehPwrMd_NxtrDiagMgr_SetNTCStatus(Param_Cnt_T_u08)	1	1	
Rte_Call_Ap_VehPwrMd_NxtrDiagMgr_SetNTCStatus(Status_Cnt_T_enum)	0	0	
tgt VehPwrMd Per1 ATermActive Cnt Igc.value	1	1	
tgt_VehPwrMd_Per1_CTermActive_Cnt_lgc.value	1	1	
tat VahDurMd Darf OperDampBate VamC f22 value	1	1+0.0001	

Test Step Call Trace				✓
Actual Function	Count	Expected Function	Count	Result
Rte_Call_Ap_VehPwrMd_EpsEn_OP_GET	1	Rte_Call_Ap_VehPwrMd_EpsEn_OP_GET	1	~
Rte_Call_Ap_VehPwrMd_NxtrDiagMgr_GetNTCFailed	1	Rte_Call_Ap_VehPwrMd_NxtrDiagMgr_GetNTCFailed	1	•
Rte_Mode_Ap_VehPwrMd_SystemState_Mode	1	Rte_Mode_Ap_VehPwrMd_SystemState_Mode	1	~
IgnFailureDiag	1	IgnFailureDiag	1	•
Rte_Call_Ap_VehPwrMd_NxtrDiagMgr_SetNTCStatus	1	Rte_Call_Ap_VehPwrMd_NxtrDiagMgr_SetNTCStatus	1	•
Rte_Call_Ap_VehPwrMd_SystemTime_GetSystemTime_mS_u32	1	Rte_Call_Ap_VehPwrMd_SystemTime_GetSystemTime_mS_u32	1	•
Rte_Call_VehPwrMd_Per1_CP1_CheckpointReached	1	Rte_Call_VehPwrMd_Per1_CP1_CheckpointReached	1	•

1 ± 0.0001

1 ± 0.00390625

Test Step 2.21 (Repeat Count = 1)	✓
Name	Input Value
IGNDiagStartTime_mS_M_u32p0	645
Rte_Call_Ap_VehPwrMd_EpsEn_OP_GET(signal)	tgt_Rte_Call_Ap_VehPwrMd_EpsEn_OP_GET_signal
Rte_Call_Ap_VehPwrMd_NxtrDiagMgr_GetNTCFailed(NTCFailed_Ptr_T_lgc)	tgt_Rte_Call_Ap_VehPwrMd_NxtrDiagMgr_GetNTCFailed_NTCFailed_Ptr
$Rte_Call_Ap_VehPwrMd_SystemTime_DtrmnElapsedTime_mS_u16(ElapsedTime)$	tgt_Rte_Call_Ap_VehPwrMd_SystemTime_DtrmnElapsedTime_mS_u16_Ela
Rte_Call_Ap_VehPwrMd_SystemTime_GetSystemTime_mS_u32(CurrentTime)	tgt_Rte_Call_Ap_VehPwrMd_SystemTime_GetSystemTime_mS_u32_Curren
Rte_Inst_Ap_VehPwrMd	tgt_Rte_Inst_Ap_VehPwrMd
Rte_Mode_Ap_VehPwrMd_SystemState_Mode()	2
k_IGNDiagTime_mS_u16p0	250
k_RampDnRt_UlspmS_f32	0.5
k_RampUpRtLoSpd_UlspmS_f32	0.000500000024
k_RmpDnAsstVehSpdLimit_Kph_f32	85.3000031
tgt_Rte_Call_Ap_VehPwrMd_EpsEn_OP_GET_signal	1
tgt_Rte_Call_Ap_VehPwrMd_NxtrDiagMgr_GetNTCFailed_NTCFailed_Ptr	1
tgt_Rte_Call_Ap_VehPwrMd_SystemTime_DtrmnElapsedTime_mS_u16_Ela	41250
tgt_Rte_Call_Ap_VehPwrMd_SystemTime_GetSystemTime_mS_u32_Curren	1452
tgt_Rte_Inst_Ap_VehPwrMd.VehPwrMd_Per1_ATermActive_Cnt_Igc	tgt_VehPwrMd_Per1_ATermActive_Cnt_lgc
tgt_Rte_Inst_Ap_VehPwrMd.VehPwrMd_Per1_CTermActive_Cnt_Igc	tgt_VehPwrMd_Per1_CTermActive_Cnt_lgc

 $tgt_VehPwrMd_Per1_OperRampRate_XpmS_f32.value$

 $tgt_VehPwrMd_Per1_OperRampValue_Uls_f32.value$



Name	Input Value		
tgt_Rte_Inst_Ap_VehPwrMd.VehPwrMd_Per1_EngONSrlComSvcDft_Cnt_lgc	tgt_VehPwrMd_Per1_EngONSrlComSvcDft_	Cnt_lgc	
tgt_Rte_Inst_Ap_VehPwrMd.VehPwrMd_Per1_OperRampRate_XpmS_f32	tgt_VehPwrMd_Per1_OperRampRate_XpmS	_f32	
tgt_Rte_Inst_Ap_VehPwrMd.VehPwrMd_Per1_OperRampValue_Uls_f32	tgt_VehPwrMd_Per1_OperRampValue_Uls_	f32	
tgt_Rte_Inst_Ap_VehPwrMd.VehPwrMd_Per1_SrlComEngOn_Cnt_lgc	tgt_VehPwrMd_Per1_SrlComEngOn_Cnt_lgd		
tgt_Rte_Inst_Ap_VehPwrMd.VehPwrMd_Per1_SrlComSPMOn_Cnt_lgc	tgt_VehPwrMd_Per1_SrlComSPMOn_Cnt_lg	lc	
tgt_Rte_Inst_Ap_VehPwrMd.VehPwrMd_Per1_VehSpdValid_Cnt_lgc	tgt_VehPwrMd_Per1_VehSpdValid_Cnt_lgc		
tgt_Rte_Inst_Ap_VehPwrMd.VehPwrMd_Per1_VehSpd_Kph_f32	tgt_VehPwrMd_Per1_VehSpd_Kph_f32		
tgt_VehPwrMd_Per1_EngONSrlComSvcDft_Cnt_lgc.value	1		
tgt_VehPwrMd_Per1_SrlComEngOn_Cnt_lgc.value	1		
tgt_VehPwrMd_Per1_SrlComSPMOn_Cnt_lgc.value	0		
tgt_VehPwrMd_Per1_VehSpdValid_Cnt_lgc.value	1		
tgt_VehPwrMd_Per1_VehSpd_Kph_f32.value	400		
Name	Actual Value	Expected Value	Result

tgt_VehPwrMd_Per1_VehSpd_Kph_f32.value	400		
Name	Actual Value	Expected Value	Result
IGNDiagStartTime_mS_M_u32p0	1452	1452	~
Rte_Call_Ap_VehPwrMd_NxtrDiagMgr_SetNTCStatus(NTC_Cnt_T_enum)	184	184	•
Rte_Call_Ap_VehPwrMd_NxtrDiagMgr_SetNTCStatus(Param_Cnt_T_u08)	1	1	•
Rte_Call_Ap_VehPwrMd_NxtrDiagMgr_SetNTCStatus(Status_Cnt_T_enum)	0	0	•
tgt_VehPwrMd_Per1_ATermActive_Cnt_lgc.value	1	1	•
tgt_VehPwrMd_Per1_CTermActive_Cnt_lgc.value	1	1	~
tgt_VehPwrMd_Per1_OperRampRate_XpmS_f32.value	0.000500000024	0.000500000024 ± 0.0001	~
tgt_VehPwrMd_Per1_OperRampValue_Uls_f32.value	1	1 ± 0.00390625	~

Test Step Call Trace				
Actual Function	Count	Expected Function	Count	Result
Rte_Call_Ap_VehPwrMd_EpsEn_OP_GET	1	Rte_Call_Ap_VehPwrMd_EpsEn_OP_GET	1	~
Rte_Call_Ap_VehPwrMd_NxtrDiagMgr_GetNTCFailed	1	Rte_Call_Ap_VehPwrMd_NxtrDiagMgr_GetNTCFailed	1	~
Rte_Mode_Ap_VehPwrMd_SystemState_Mode	1	Rte_Mode_Ap_VehPwrMd_SystemState_Mode	1	~
IgnFailureDiag	1	IgnFailureDiag	1	•
Rte_Call_Ap_VehPwrMd_NxtrDiagMgr_SetNTCStatus	1	Rte_Call_Ap_VehPwrMd_NxtrDiagMgr_SetNTCStatus	1	~
Rte_Call_Ap_VehPwrMd_SystemTime_GetSystemTime_mS_u32	1	Rte_Call_Ap_VehPwrMd_SystemTime_GetSystemTime_mS_u32	1	~
Rte_Call_VehPwrMd_Per1_CP1_CheckpointReached	1	Rte_Call_VehPwrMd_Per1_CP1_CheckpointReached	1	-

Test Step 2.22 (Repeat Count = 1) Name	Input Value		
	•		
IGNDiagStartTime_mS_M_u32p0	6867	ET sissed	
Rte_Call_Ap_VehPwrMd_EpsEn_OP_GET(signal)	tgt_Rte_Call_Ap_VehPwrMd_EpsEn_OP_G	_ ,	
Rte_Call_Ap_VehPwrMd_NxtrDiagMgr_GetNTCFailed(NTCFailed_Ptr_T_lgc)	tgt_Rte_Call_Ap_VehPwrMd_NxtrDiagMgr_		
Rte_Call_Ap_VehPwrMd_SystemTime_DtrmnElapsedTime_mS_u16(ElapsedTime			
Rte_Call_Ap_VehPwrMd_SystemTime_GetSystemTime_mS_u32(CurrentTime)	tgt_Rte_Call_Ap_VehPwrMd_SystemTime_	GetSystemTime_mS_u32_Curren	
Rte_Inst_Ap_VehPwrMd	tgt_Rte_Inst_Ap_VehPwrMd		
Rte_Mode_Ap_VehPwrMd_SystemState_Mode()	3		
k_IGNDiagTime_mS_u16p0	5500		
k_RampDnRt_UlspmS_f32	0.600000024		
k_RampUpRtLoSpd_UlspmS_f32	0.200000003		
k_RmpDnAsstVehSpdLimit_Kph_f32	90.5		
tgt_Rte_Call_Ap_VehPwrMd_EpsEn_OP_GET_signal	0		
tgt_Rte_Call_Ap_VehPwrMd_NxtrDiagMgr_GetNTCFailed_NTCFailed_Ptr	0		
tgt_Rte_Call_Ap_VehPwrMd_SystemTime_DtrmnElapsedTime_mS_u16_Ela	1230		
tgt_Rte_Call_Ap_VehPwrMd_SystemTime_GetSystemTime_mS_u32_Curren	6874		
tgt_Rte_Inst_Ap_VehPwrMd.VehPwrMd_Per1_ATermActive_Cnt_Igc	tgt_VehPwrMd_Per1_ATermActive_Cnt_lgc		
tgt_Rte_Inst_Ap_VehPwrMd.VehPwrMd_Per1_CTermActive_Cnt_Igc	tgt_VehPwrMd_Per1_CTermActive_Cnt_lgc		
tgt_Rte_Inst_Ap_VehPwrMd.VehPwrMd_Per1_EngONSrlComSvcDft_Cnt_lgc	tgt_VehPwrMd_Per1_EngONSrlComSvcDft_Cnt_lgc		
tgt_Rte_Inst_Ap_VehPwrMd.VehPwrMd_Per1_OperRampRate_XpmS_f32	tgt_VehPwrMd_Per1_OperRampRate_XpmS_f32		
tgt_Rte_Inst_Ap_VehPwrMd.VehPwrMd_Per1_OperRampValue_Uls_f32	tgt_VehPwrMd_Per1_OperRampValue_Uls_		
tgt_Rte_Inst_Ap_VehPwrMd.VehPwrMd_Per1_SrlComEngOn_Cnt_lgc	tgt_VehPwrMd_Per1_SrlComEngOn_Cnt_lg		
tgt_Rte_Inst_Ap_VehPwrMd.VehPwrMd_Per1_SrlComSPMOn_Cnt_lgc	tgt_VehPwrMd_Per1_SrlComSPMOn_Cnt_I	gc	
tgt_Rte_Inst_Ap_VehPwrMd.VehPwrMd_Per1_VehSpdValid_Cnt_Igc	tgt_VehPwrMd_Per1_VehSpdValid_Cnt_lgc		
tgt_Rte_Inst_Ap_VehPwrMd.VehPwrMd_Per1_VehSpd_Kph_f32	tgt_VehPwrMd_Per1_VehSpd_Kph_f32		
tgt_VehPwrMd_Per1_EngONSrlComSvcDft_Cnt_lgc.value	0		
tgt_VehPwrMd_Per1_SrlComEngOn_Cnt_lgc.value	1		
tgt_VehPwrMd_Per1_SrlComSPMOn_Cnt_lgc.value	1		
tgt_VehPwrMd_Per1_VehSpdValid_Cnt_lgc.value	1		
tgt_VehPwrMd_Per1_VehSpd_Kph_f32.value	250.5		
Name	Actual Value	Expected Value	Resul
IGNDiagStartTime_mS_M_u32p0	6867	6867	•
Rte_Call_Ap_VehPwrMd_NxtrDiagMgr_SetNTCStatus(NTC_Cnt_T_enum)	184	*none*	
Pto Call An VohPurMd NytrDiagMar SetNTCStatus(Param Cnt T u08)	1	*none*	

Actual Value	Expected Value	Result
6867	6867	~
184	*none*	•
1	*none*	~
0	0	•
1	1	~
1	1	~
	6867 184 1	6867 6867 184 *none* 1 *none*

VehPwrMd_Per1

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Name	Actual Value	Expected Value	Result
tgt_VehPwrMd_Per1_OperRampRate_XpmS_f32.value	0.200000003	0.200000003 ± 0.0001	~
tgt_VehPwrMd_Per1_OperRampValue_Uls_f32.value	1	1 ± 0.00390625	✓

Test Step Call Trace				
Actual Function	Count	Expected Function	Count	Result
Rte_Call_Ap_VehPwrMd_EpsEn_OP_GET	1	Rte_Call_Ap_VehPwrMd_EpsEn_OP_GET	1	~
Rte_Call_Ap_VehPwrMd_NxtrDiagMgr_GetNTCFailed	1	Rte_Call_Ap_VehPwrMd_NxtrDiagMgr_GetNTCFailed	1	~
Rte_Mode_Ap_VehPwrMd_SystemState_Mode	1	Rte_Mode_Ap_VehPwrMd_SystemState_Mode	1	~
IgnFailureDiag	1	IgnFailureDiag	1	~
Rte_Call_Ap_VehPwrMd_SystemTime_DtrmnElapsedTime_mS_u16	1	Rte_Call_Ap_VehPwrMd_SystemTime_DtrmnElapsedTime_mS_u16	1	~
Rte_Call_VehPwrMd_Per1_CP1_CheckpointReached	1	Rte_Call_VehPwrMd_Per1_CP1_CheckpointReached	1	~

Name	Input Value		
IGNDiagStartTime_mS_M_u32p0	89089	89089	
Rte_Call_Ap_VehPwrMd_EpsEn_OP_GET(signal)	tgt_Rte_Call_Ap_VehPwrMd_EpsEn_OP_0	GET_signal	
Rte_Call_Ap_VehPwrMd_NxtrDiagMgr_GetNTCFailed(NTCFailed_Ptr_T_lgc)	tgt_Rte_Call_Ap_VehPwrMd_NxtrDiagMgr_	GetNTCFailed_NTCFailed_Ptr	
Rte_Call_Ap_VehPwrMd_SystemTime_DtrmnElapsedTime_mS_u16(ElapsedTim	e) tgt_Rte_Call_Ap_VehPwrMd_SystemTime_	DtrmnElapsedTime_mS_u16_Ela	
Rte_Call_Ap_VehPwrMd_SystemTime_GetSystemTime_mS_u32(CurrentTime)	tgt_Rte_Call_Ap_VehPwrMd_SystemTime_	GetSystemTime_mS_u32_Curren	
Rte_Inst_Ap_VehPwrMd	tgt_Rte_Inst_Ap_VehPwrMd		
Rte_Mode_Ap_VehPwrMd_SystemState_Mode()	2		
k_IGNDiagTime_mS_u16p0	2500		
k_RampDnRt_UlspmS_f32	0.75		
k_RampUpRtLoSpd_UlspmS_f32	0.300000012		
k_RmpDnAsstVehSpdLimit_Kph_f32	140.5		
tgt_Rte_Call_Ap_VehPwrMd_EpsEn_OP_GET_signal	1		
tgt_Rte_Call_Ap_VehPwrMd_NxtrDiagMgr_GetNTCFailed_NTCFailed_Ptr	1		
tgt_Rte_Call_Ap_VehPwrMd_SystemTime_DtrmnElapsedTime_mS_u16_Ela	40000		
tgt_Rte_Call_Ap_VehPwrMd_SystemTime_GetSystemTime_mS_u32_Curren	8888		
tgt_Rte_Inst_Ap_VehPwrMd.VehPwrMd_Per1_ATermActive_Cnt_Igc	tgt_VehPwrMd_Per1_ATermActive_Cnt_lgd		
tgt_Rte_Inst_Ap_VehPwrMd.VehPwrMd_Per1_CTermActive_Cnt_Igc	tgt_VehPwrMd_Per1_CTermActive_Cnt_lgd		
tgt_Rte_Inst_Ap_VehPwrMd.VehPwrMd_Per1_EngONSrlComSvcDft_Cnt_lgc	tgt_VehPwrMd_Per1_EngONSrlComSvcDft_Cnt_lgc		
tgt_Rte_Inst_Ap_VehPwrMd.VehPwrMd_Per1_OperRampRate_XpmS_f32	tgt_VehPwrMd_Per1_OperRampRate_XpmS_f32		
tgt_Rte_Inst_Ap_VehPwrMd.VehPwrMd_Per1_OperRampValue_Uls_f32	tgt_VehPwrMd_Per1_OperRampValue_Uls_f32		
tgt_Rte_Inst_Ap_VehPwrMd.VehPwrMd_Per1_SrlComEngOn_Cnt_lgc	tgt_VehPwrMd_Per1_SrlComEngOn_Cnt_lgc		
tgt_Rte_Inst_Ap_VehPwrMd.VehPwrMd_Per1_SrlComSPMOn_Cnt_lgc	tgt_VehPwrMd_Per1_SrlComSPMOn_Cnt_lgc		
tgt_Rte_Inst_Ap_VehPwrMd.VehPwrMd_Per1_VehSpdValid_Cnt_Igc	tgt_VehPwrMd_Per1_VehSpdValid_Cnt_lgd	:	
tgt_Rte_Inst_Ap_VehPwrMd.VehPwrMd_Per1_VehSpd_Kph_f32	tgt_VehPwrMd_Per1_VehSpd_Kph_f32		
tgt_VehPwrMd_Per1_EngONSrlComSvcDft_Cnt_lgc.value	0		
tgt_VehPwrMd_Per1_SrlComEngOn_Cnt_lgc.value	0		
tgt_VehPwrMd_Per1_SrlComSPMOn_Cnt_lgc.value	1		
tgt_VehPwrMd_Per1_VehSpdValid_Cnt_lgc.value	0		
tgt_VehPwrMd_Per1_VehSpd_Kph_f32.value	40.2000008		
Name	Actual Value	Expected Value	Resul
IGNDiagStartTime_mS_M_u32p0	8888	8888	•
Rte_Call_Ap_VehPwrMd_NxtrDiagMgr_SetNTCStatus(NTC_Cnt_T_enum)	184	184	•
Rte_Call_Ap_VehPwrMd_NxtrDiagMgr_SetNTCStatus(Param_Cnt_T_u08)	1	1	
Rte_Call_Ap_VehPwrMd_NxtrDiagMgr_SetNTCStatus(Status_Cnt_T_enum)	0	0	•
tgt_VehPwrMd_Per1_ATermActive_Cnt_lgc.value	1	1	•
tgt_VehPwrMd_Per1_CTermActive_Cnt_lgc.value	0	0	•
tgt_VehPwrMd_Per1_OperRampRate_XpmS_f32.value	0.75	0.75 ± 0.0001	•
tgt_VehPwrMd_Per1_OperRampValue_Uls_f32.value	0	0 ± 0.00390625	· · · · · · · · ·

Test Step Call Trace				
Actual Function	Count	Expected Function	Count	Result
Rte_Call_Ap_VehPwrMd_EpsEn_OP_GET	1	Rte_Call_Ap_VehPwrMd_EpsEn_OP_GET	1	~
Rte_Call_Ap_VehPwrMd_NxtrDiagMgr_GetNTCFailed	1	Rte_Call_Ap_VehPwrMd_NxtrDiagMgr_GetNTCFailed	1	✓
Rte_Mode_Ap_VehPwrMd_SystemState_Mode	1	Rte_Mode_Ap_VehPwrMd_SystemState_Mode	1	~
IgnFailureDiag	1	IgnFailureDiag	1	✓
Rte_Call_Ap_VehPwrMd_NxtrDiagMgr_SetNTCStatus	1	Rte_Call_Ap_VehPwrMd_NxtrDiagMgr_SetNTCStatus	1	~
Rte_Call_Ap_VehPwrMd_SystemTime_GetSystemTime_mS_u32	1	Rte_Call_Ap_VehPwrMd_SystemTime_GetSystemTime_mS_u32	1	✓
Rte Call VehPwrMd Per1 CP1 CheckpointReached	1	Rte Call VehPwrMd Per1 CP1 CheckpointReached	1	_

Test Step 2.24 (Repeat Count = 1)	
Name	Input Value
IGNDiagStartTime_mS_M_u32p0	5555





Name	Input Value		
Rte_Call_Ap_VehPwrMd_EpsEn_OP_GET(signal)	tgt_Rte_Call_Ap_VehPwrMd_EpsEn_OP_Gi	ET_signal	
Rte_Call_Ap_VehPwrMd_NxtrDiagMgr_GetNTCFailed(NTCFailed_Ptr_T_lgc)	tgt_Rte_Call_Ap_VehPwrMd_NxtrDiagMgr_GetNTCFailed_NTCFailed_Ptr		
$Rte_Call_Ap_VehPwrMd_SystemTime_DtrmnElapsedTime_mS_u16(ElapsedTime)$	tgt_Rte_Call_Ap_VehPwrMd_SystemTime_D	OtrmnElapsedTime_mS_u16_Ela	
Rte_Call_Ap_VehPwrMd_SystemTime_GetSystemTime_mS_u32(CurrentTime)	tgt_Rte_Call_Ap_VehPwrMd_SystemTime_C	GetSystemTime_mS_u32_Curren	
Rte_Inst_Ap_VehPwrMd	tgt_Rte_Inst_Ap_VehPwrMd		
Rte_Mode_Ap_VehPwrMd_SystemState_Mode()	0		
k_IGNDiagTime_mS_u16p0	1200		
k_RampDnRt_UlspmS_f32	0.800000012		
k_RampUpRtLoSpd_UlspmS_f32	0.40000006		
k_RmpDnAsstVehSpdLimit_Kph_f32	110.300003		
tgt_Rte_Call_Ap_VehPwrMd_EpsEn_OP_GET_signal	0		
tgt_Rte_Call_Ap_VehPwrMd_NxtrDiagMgr_GetNTCFailed_NTCFailed_Ptr	0		
tgt_Rte_Call_Ap_VehPwrMd_SystemTime_DtrmnElapsedTime_mS_u16_Ela	55200		
tgt_Rte_Call_Ap_VehPwrMd_SystemTime_GetSystemTime_mS_u32_Curren	9999		
tgt_Rte_Inst_Ap_VehPwrMd.VehPwrMd_Per1_ATermActive_Cnt_Igc	tgt_VehPwrMd_Per1_ATermActive_Cnt_lgc		
tgt_Rte_Inst_Ap_VehPwrMd.VehPwrMd_Per1_CTermActive_Cnt_lgc	tgt_VehPwrMd_Per1_CTermActive_Cnt_lgc		
tgt_Rte_Inst_Ap_VehPwrMd.VehPwrMd_Per1_EngONSrlComSvcDft_Cnt_lgc	tgt_VehPwrMd_Per1_EngONSrlComSvcDft_Cnt_lgc		
tgt_Rte_Inst_Ap_VehPwrMd.VehPwrMd_Per1_OperRampRate_XpmS_f32	tgt_VehPwrMd_Per1_OperRampRate_XpmS_f32		
tgt_Rte_Inst_Ap_VehPwrMd.VehPwrMd_Per1_OperRampValue_Uls_f32	tgt_VehPwrMd_Per1_OperRampValue_Uls_f32		
tgt_Rte_Inst_Ap_VehPwrMd.VehPwrMd_Per1_SrlComEngOn_Cnt_lgc	tgt_VehPwrMd_Per1_SrlComEngOn_Cnt_lgc		
tgt_Rte_Inst_Ap_VehPwrMd.VehPwrMd_Per1_SrlComSPMOn_Cnt_lgc	tgt_VehPwrMd_Per1_SrlComSPMOn_Cnt_lgc		
tgt_Rte_Inst_Ap_VehPwrMd.VehPwrMd_Per1_VehSpdValid_Cnt_Igc	tgt_VehPwrMd_Per1_VehSpdValid_Cnt_lgc		
tgt_Rte_Inst_Ap_VehPwrMd.VehPwrMd_Per1_VehSpd_Kph_f32	tgt_VehPwrMd_Per1_VehSpd_Kph_f32		
tgt_VehPwrMd_Per1_EngONSrlComSvcDft_Cnt_lgc.value	0		
tgt_VehPwrMd_Per1_SrlComEngOn_Cnt_lgc.value	1		
tgt_VehPwrMd_Per1_SrlComSPMOn_Cnt_lgc.value	0		
tgt_VehPwrMd_Per1_VehSpdValid_Cnt_lgc.value	1		
tgt_VehPwrMd_Per1_VehSpd_Kph_f32.value	112.199997		
Name	Actual Value	Expected Value	Result
IGNDiagStartTime_mS_M_u32p0	5555	5555	-
Rte_Call_Ap_VehPwrMd_NxtrDiagMgr_SetNTCStatus(NTC_Cnt_T_enum)	184	184	-
Rte_Call_Ap_VehPwrMd_NxtrDiagMgr_SetNTCStatus(Param_Cnt_T_u08)	1	1	~
Rte_Call_Ap_VehPwrMd_NxtrDiagMgr_SetNTCStatus(Status_Cnt_T_enum)	1	1	•
tgt_VehPwrMd_Per1_ATermActive_Cnt_lgc.value	0	0	~
			_

Test Step Call Trace				✓
Actual Function	Count	Expected Function	Count	Result
Rte_Call_Ap_VehPwrMd_EpsEn_OP_GET	1	Rte_Call_Ap_VehPwrMd_EpsEn_OP_GET	1	~
Rte_Call_Ap_VehPwrMd_NxtrDiagMgr_GetNTCFailed	1	Rte_Call_Ap_VehPwrMd_NxtrDiagMgr_GetNTCFailed	1	•
Rte_Mode_Ap_VehPwrMd_SystemState_Mode	1	Rte_Mode_Ap_VehPwrMd_SystemState_Mode	1	~
IgnFailureDiag	1	IgnFailureDiag	1	✓
Rte_Call_Ap_VehPwrMd_SystemTime_DtrmnElapsedTime_mS_u16	1	Rte_Call_Ap_VehPwrMd_SystemTime_DtrmnElapsedTime_mS_u16	1	~
Rte_Call_Ap_VehPwrMd_NxtrDiagMgr_SetNTCStatus	1	Rte_Call_Ap_VehPwrMd_NxtrDiagMgr_SetNTCStatus	1	✓
Rte Call VehPwrMd Per1 CP1 CheckpointReached	1	Rte Call VehPwrMd Per1 CP1 CheckpointReached	1	-

0.800000012

0

0.800000012 ± 0.0001

0 ± 0.00390625

Test Step 2.25 (Repeat Count = 1)	✓
Name	Input Value
IGNDiagStartTime_mS_M_u32p0	6666
Rte_Call_Ap_VehPwrMd_EpsEn_OP_GET(signal)	tgt_Rte_Call_Ap_VehPwrMd_EpsEn_OP_GET_signal
Rte_Call_Ap_VehPwrMd_NxtrDiagMgr_GetNTCFailed(NTCFailed_Ptr_T_lgc)	tgt_Rte_Call_Ap_VehPwrMd_NxtrDiagMgr_GetNTCFailed_NTCFailed_Ptr
$Rte_Call_Ap_VehPwrMd_SystemTime_DtrmnElapsedTime_mS_u16(ElapsedTime)$	tgt_Rte_Call_Ap_VehPwrMd_SystemTime_DtrmnElapsedTime_mS_u16_Ela
Rte_Call_Ap_VehPwrMd_SystemTime_GetSystemTime_mS_u32(CurrentTime)	tgt_Rte_Call_Ap_VehPwrMd_SystemTime_GetSystemTime_mS_u32_Curren
Rte_Inst_Ap_VehPwrMd	tgt_Rte_Inst_Ap_VehPwrMd
Rte_Mode_Ap_VehPwrMd_SystemState_Mode()	1
k_IGNDiagTime_mS_u16p0	250
k_RampDnRt_UlspmS_f32	0.89999976
k_RampUpRtLoSpd_UlspmS_f32	0.5
k_RmpDnAsstVehSpdLimit_Kph_f32	254.100006
tgt_Rte_Call_Ap_VehPwrMd_EpsEn_OP_GET_signal	1
tgt_Rte_Call_Ap_VehPwrMd_NxtrDiagMgr_GetNTCFailed_NTCFailed_Ptr	1
tgt_Rte_Call_Ap_VehPwrMd_SystemTime_DtrmnElapsedTime_mS_u16_Ela	35000
tgt_Rte_Call_Ap_VehPwrMd_SystemTime_GetSystemTime_mS_u32_Curren	1000
tgt_Rte_Inst_Ap_VehPwrMd.VehPwrMd_Per1_ATermActive_Cnt_Igc	tgt_VehPwrMd_Per1_ATermActive_Cnt_lgc
tgt_Rte_Inst_Ap_VehPwrMd.VehPwrMd_Per1_CTermActive_Cnt_Igc	tgt_VehPwrMd_Per1_CTermActive_Cnt_lgc
tgt_Rte_Inst_Ap_VehPwrMd.VehPwrMd_Per1_EngONSrlComSvcDft_Cnt_lgc	tgt_VehPwrMd_Per1_EngONSrlComSvcDft_Cnt_lgc
tgt_Rte_Inst_Ap_VehPwrMd.VehPwrMd_Per1_OperRampRate_XpmS_f32	tgt_VehPwrMd_Per1_OperRampRate_XpmS_f32
tgt_Rte_Inst_Ap_VehPwrMd.VehPwrMd_Per1_OperRampValue_Uls_f32	tgt_VehPwrMd_Per1_OperRampValue_Uls_f32

tgt_VehPwrMd_Per1_CTermActive_Cnt_lgc.value

tgt_VehPwrMd_Per1_OperRampRate_XpmS_f32.value

tgt_VehPwrMd_Per1_OperRampValue_Uls_f32.value

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Name	Input Value		
tgt_Rte_Inst_Ap_VehPwrMd.VehPwrMd_Per1_SrlComEngOn_Cnt_lgc	tgt_VehPwrMd_Per1_SrlComEngOn_Cnt_	lgc	
tgt_Rte_Inst_Ap_VehPwrMd.VehPwrMd_Per1_SrlComSPMOn_Cnt_lgc	tgt_VehPwrMd_Per1_SrlComSPMOn_Cnt	_lgc	
tgt_Rte_Inst_Ap_VehPwrMd.VehPwrMd_Per1_VehSpdValid_Cnt_Igc	tgt_VehPwrMd_Per1_VehSpdValid_Cnt_lg	ıc	
tgt_Rte_Inst_Ap_VehPwrMd.VehPwrMd_Per1_VehSpd_Kph_f32	tgt_VehPwrMd_Per1_VehSpd_Kph_f32		
tgt_VehPwrMd_Per1_EngONSrlComSvcDft_Cnt_lgc.value	0		
tgt_VehPwrMd_Per1_SrlComEngOn_Cnt_lgc.value	1		
tgt_VehPwrMd_Per1_SrlComSPMOn_Cnt_lgc.value	1		
tgt_VehPwrMd_Per1_VehSpdValid_Cnt_lgc.value	1		
tgt_VehPwrMd_Per1_VehSpd_Kph_f32.value	85.3000031		
Name	Actual Value	Expected Value	Result
IGNDiagStartTime_mS_M_u32p0	1000	1000	~
Rte_Call_Ap_VehPwrMd_NxtrDiagMgr_SetNTCStatus(NTC_Cnt_T_enum)	184	184	•
Rte_Call_Ap_VehPwrMd_NxtrDiagMgr_SetNTCStatus(Param_Cnt_T_u08)	1	1	~
Rte_Call_Ap_VehPwrMd_NxtrDiagMgr_SetNTCStatus(Status_Cnt_T_enum)	0	0	•
tgt_VehPwrMd_Per1_ATermActive_Cnt_lgc.value	1	1	~
tgt_VehPwrMd_Per1_CTermActive_Cnt_lgc.value	0	0	•
tgt_VehPwrMd_Per1_OperRampRate_XpmS_f32.value	0.899999976	0.89999976 ± 0.0001	~
tgt_VehPwrMd_Per1_OperRampValue_Uls_f32.value	0	0 ± 0.00390625	~

Test Step Call Trace				V
Actual Function	Count	Expected Function	Count	Result
Rte_Call_Ap_VehPwrMd_EpsEn_OP_GET	1	Rte_Call_Ap_VehPwrMd_EpsEn_OP_GET	1	~
Rte_Call_Ap_VehPwrMd_NxtrDiagMgr_GetNTCFailed	1	Rte_Call_Ap_VehPwrMd_NxtrDiagMgr_GetNTCFailed	1	•
Rte_Mode_Ap_VehPwrMd_SystemState_Mode	1	Rte_Mode_Ap_VehPwrMd_SystemState_Mode	1	•
IgnFailureDiag	1	IgnFailureDiag	1	~
Rte_Call_Ap_VehPwrMd_NxtrDiagMgr_SetNTCStatus	1	Rte_Call_Ap_VehPwrMd_NxtrDiagMgr_SetNTCStatus	1	•
Rte_Call_Ap_VehPwrMd_SystemTime_GetSystemTime_mS_u32	1	Rte_Call_Ap_VehPwrMd_SystemTime_GetSystemTime_mS_u32	1	~
Rte_Call_VehPwrMd_Per1_CP1_CheckpointReached	1	Rte_Call_VehPwrMd_Per1_CP1_CheckpointReached	1	~

Test Step 2.26 (Repeat Count = 1)			
Name	Input Value		
IGNDiagStartTime_mS_M_u32p0	7777		
Rte_Call_Ap_VehPwrMd_EpsEn_OP_GET(signal)	tgt_Rte_Call_Ap_VehPwrMd_EpsEn_OP_	_GET_signal	
Rte_Call_Ap_VehPwrMd_NxtrDiagMgr_GetNTCFailed(NTCFailed_Ptr_T_lgc)	tgt_Rte_Call_Ap_VehPwrMd_NxtrDiagMg	r_GetNTCFailed_NTCFailed_Ptr	
Rte_Call_Ap_VehPwrMd_SystemTime_DtrmnElapsedTime_mS_u16(ElapsedTime)	tgt_Rte_Call_Ap_VehPwrMd_SystemTime	e_DtrmnElapsedTime_mS_u16_Ela	
Rte_Call_Ap_VehPwrMd_SystemTime_GetSystemTime_mS_u32(CurrentTime)	tgt_Rte_Call_Ap_VehPwrMd_SystemTime	e_GetSystemTime_mS_u32_Curren	
Rte_Inst_Ap_VehPwrMd	tgt_Rte_Inst_Ap_VehPwrMd		
Rte_Mode_Ap_VehPwrMd_SystemState_Mode()	2		
k_IGNDiagTime_mS_u16p0	5500		
k_RampDnRt_UlspmS_f32	0.0199999996		
k_RampUpRtLoSpd_UlspmS_f32	0.600000024		
k_RmpDnAsstVehSpdLimit_Kph_f32	250.5		
tgt_Rte_Call_Ap_VehPwrMd_EpsEn_OP_GET_signal	0		
tgt_Rte_Call_Ap_VehPwrMd_NxtrDiagMgr_GetNTCFailed_NTCFailed_Ptr	1		
tgt_Rte_Call_Ap_VehPwrMd_SystemTime_DtrmnElapsedTime_mS_u16_Ela	41250		
tgt_Rte_Call_Ap_VehPwrMd_SystemTime_GetSystemTime_mS_u32_Curren	1234		
tgt_Rte_Inst_Ap_VehPwrMd.VehPwrMd_Per1_ATermActive_Cnt_lgc	tgt_VehPwrMd_Per1_ATermActive_Cnt_lgc		
tgt_Rte_Inst_Ap_VehPwrMd.VehPwrMd_Per1_CTermActive_Cnt_lgc	tgt_VehPwrMd_Per1_CTermActive_Cnt_lgc		
tgt_Rte_Inst_Ap_VehPwrMd.VehPwrMd_Per1_EngONSrlComSvcDft_Cnt_lgc	tgt_VehPwrMd_Per1_EngONSrlComSvcD	ft_Cnt_lgc	
tgt_Rte_Inst_Ap_VehPwrMd.VehPwrMd_Per1_OperRampRate_XpmS_f32	tgt_VehPwrMd_Per1_OperRampRate_Xp	mS_f32	
tgt_Rte_Inst_Ap_VehPwrMd.VehPwrMd_Per1_OperRampValue_Uls_f32	tgt_VehPwrMd_Per1_OperRampValue_Ul	ls_f32	
tgt_Rte_Inst_Ap_VehPwrMd.VehPwrMd_Per1_SrlComEngOn_Cnt_lgc	tgt_VehPwrMd_Per1_SrlComEngOn_Cnt_	_lgc	
tgt_Rte_Inst_Ap_VehPwrMd.VehPwrMd_Per1_SrlComSPMOn_Cnt_lgc	tgt_VehPwrMd_Per1_SrlComSPMOn_Cnt	t_lgc	
tgt_Rte_Inst_Ap_VehPwrMd.VehPwrMd_Per1_VehSpdValid_Cnt_Igc	tgt_VehPwrMd_Per1_VehSpdValid_Cnt_lo	gc	
tgt_Rte_Inst_Ap_VehPwrMd.VehPwrMd_Per1_VehSpd_Kph_f32	tgt_VehPwrMd_Per1_VehSpd_Kph_f32		
tgt_VehPwrMd_Per1_EngONSrlComSvcDft_Cnt_lgc.value	0		
tgt_VehPwrMd_Per1_SrlComEngOn_Cnt_lgc.value	1		
tgt_VehPwrMd_Per1_SrlComSPMOn_Cnt_lgc.value	1		
tgt_VehPwrMd_Per1_VehSpdValid_Cnt_lgc.value	0		
tgt_VehPwrMd_Per1_VehSpd_Kph_f32.value	90.5		
Name	Actual Value	Expected Value	Resu
IGNDiagStartTime_mS_M_u32p0	7777	7777	
Rte_Call_Ap_VehPwrMd_NxtrDiagMgr_SetNTCStatus(NTC_Cnt_T_enum)	184	184	,
Rte_Call_Ap_VehPwrMd_NxtrDiagMgr_SetNTCStatus(Param_Cnt_T_u08)	1	1	
Rte_Call_Ap_VehPwrMd_NxtrDiagMgr_SetNTCStatus(Status_Cnt_T_enum)	1	1	

Name	Actual Value	Expected Value	Result
IGNDiagStartTime_mS_M_u32p0	7777	7777	~
Rte_Call_Ap_VehPwrMd_NxtrDiagMgr_SetNTCStatus(NTC_Cnt_T_enum)	184	184	~
Rte_Call_Ap_VehPwrMd_NxtrDiagMgr_SetNTCStatus(Param_Cnt_T_u08)	1	1	~
Rte_Call_Ap_VehPwrMd_NxtrDiagMgr_SetNTCStatus(Status_Cnt_T_enum)	1	1	~
tgt_VehPwrMd_Per1_ATermActive_Cnt_lgc.value	1	1	~
tgt_VehPwrMd_Per1_CTermActive_Cnt_lgc.value	0	0	~
tgt_VehPwrMd_Per1_OperRampRate_XpmS_f32.value	0.0199999996	0.0199999996 ± 0.0001	~
tgt_VehPwrMd_Per1_OperRampValue_Uls_f32.value	0	0 ± 0.00390625	•



Test Step Call Trace					
Actual Function	Count	Expected Function	Count	Result	
Rte_Call_Ap_VehPwrMd_EpsEn_OP_GET	1	Rte_Call_Ap_VehPwrMd_EpsEn_OP_GET	1	~	
Rte_Call_Ap_VehPwrMd_NxtrDiagMgr_GetNTCFailed	1	Rte_Call_Ap_VehPwrMd_NxtrDiagMgr_GetNTCFailed	1	~	
Rte_Mode_Ap_VehPwrMd_SystemState_Mode	1	Rte_Mode_Ap_VehPwrMd_SystemState_Mode	1	~	
IgnFailureDiag	1	IgnFailureDiag	1	•	
Rte_Call_Ap_VehPwrMd_SystemTime_DtrmnElapsedTime_mS_u16	1	Rte_Call_Ap_VehPwrMd_SystemTime_DtrmnElapsedTime_mS_u16	1	~	
Rte_Call_Ap_VehPwrMd_NxtrDiagMgr_SetNTCStatus	1	Rte_Call_Ap_VehPwrMd_NxtrDiagMgr_SetNTCStatus	1	•	
Rte_Call_VehPwrMd_Per1_CP1_CheckpointReached	1	Rte_Call_VehPwrMd_Per1_CP1_CheckpointReached	1	•	

Test Step 2.27 (Repeat Count = 1) Name	Input Value			
IGNDiagStartTime mS M u32p0	8888			
Rte Call Ap VehPwrMd EpsEn OP GET(signal)	gt Rte Call Ap VehPwrMd EpsEn OP GET signal			
Rte Call Ap VehPwrMd NxtrDiagMgr GetNTCFailed(NTCFailed Ptr T lgc)	*	gt_Rte_call_Ap_veriewinid_epseri_or_ger_signal gt_Rte_call_Ap_veriewinid_epseri_or_ger_signal gt_Rte_call_Ap_veriewinid_epseri_or_ger_signal		
Rte Call Ap VehPwrMd SystemTime DtrmnElapsedTime mS u16(ElapsedTime)				
Rte Call Ap VehPwrMd SystemTime GetSystemTime mS u32(CurrentTime)	tgt_Rte_Call_Ap_VehPwrMd_SystemTime_			
Rte Inst Ap VehPwrMd	tgt Rte Inst Ap VehPwrMd	_Getoystem inc_mo_usz_curren		
Rte Mode Ap VehPwrMd SystemState Mode()	3			
k IGNDiagTime mS u16p0	2500			
k_RampDnRt_UlspmS_f32	0.0500000007			
k RampUpRtLoSpd UlspmS f32	0.75			
k RmpDnAsstVehSpdLimit Kph f32	40.2000008			
tgt_Rte_Call_Ap_VehPwrMd_EpsEn_OP_GET_signal	1			
tgt Rte Call Ap VehPwrMd NxtrDiagMgr GetNTCFailed NTCFailed Ptr	0			
tgt Rte Call Ap VehPwrMd SystemTime DtrmnElapsedTime mS u16 Ela	1230			
tgt Rte Call Ap VehPwrMd SystemTime GetSystemTime mS u32 Curren	645			
tgt Rte Inst Ap VehPwrMd.VehPwrMd Per1 ATermActive Cnt Igc	tgt VehPwrMd Per1 ATermActive Cnt Ig	ç.		
tgt Rte Inst Ap VehPwrMd.VehPwrMd Per1 CTermActive Cnt Igc	tgt VehPwrMd Per1 CTermActive Cnt Ig			
tgt_Rte_Inst_Ap_VehPwrMd.VehPwrMd_Per1_EngONSrlComSvcDft_Cnt_lgc	tgt VehPwrMd Per1 EngONSrlComSvcDf			
tgt Rte Inst Ap VehPwrMd.VehPwrMd Per1 OperRampRate XpmS f32	tgt VehPwrMd Per1 OperRampRate XpmS f32			
tgt Rte Inst Ap VehPwrMd.VehPwrMd Per1 OperRampValue Uls f32	tgt VehPwrMd Per1 OperRampValue Uls	_		
tgt_Rte_Inst_Ap_VehPwrMd.VehPwrMd_Per1_SrlComEngOn_Cnt_lgc	tgt_VehPwrMd_Per1_SrlComEngOn_Cnt_I	_		
tgt Rte Inst Ap VehPwrMd.VehPwrMd Per1 SrlComSPMOn Cnt Igc	tgt VehPwrMd Per1 SrlComSPMOn Cnt			
tgt Rte Inst Ap VehPwrMd.VehPwrMd Per1 VehSpdValid Cnt Igc	tgt VehPwrMd Per1 VehSpdValid Cnt Ig			
tat Rte Inst Ap VehPwrMd.VehPwrMd Per1 VehSpd Kph f32	tgt VehPwrMd Per1 VehSpd Kph f32	-		
tgt VehPwrMd Per1 EngONSrlComSvcDft Cnt lgc.value	0			
tgt VehPwrMd Per1 SrlComEngOn Cnt lgc.value	0			
tgt_VehPwrMd_Per1_SrlComSPMOn_Cnt_lgc.value	0			
tgt VehPwrMd Per1 VehSpdValid Cnt lgc.value	1			
tgt VehPwrMd Per1 VehSpd Kph f32.value	140.5			
Name	Actual Value	Expected Value	Resul	
IGNDiagStartTime mS M u32p0	645	645		
Rte Call Ap VehPwrMd NxtrDiagMgr SetNTCStatus(NTC Cnt T enum)	184	184		
Rte Call Ap VehPwrMd NxtrDiagMgr SetNTCStatus(Param Cnt T u08)	1	1		
Rte Call Ap VehPwrMd NxtrDiagMgr SetNTCStatus(Status Cnt T enum)	0	0		
tgt VehPwrMd Per1 ATermActive Cnt lgc.value	1	1		
tgt VehPwrMd Per1 CTermActive Cnt Igc.value	0	0		
tgt_VehPwrMd_Per1_OperRampRate_XpmS_f32.value	0.0500000007	0.0500000007 ± 0.0001		
tgt VehPwrMd Per1 OperRampValue Uls f32.value	0	0 ± 0.00390625		

Test Step Call Trace				✓
Actual Function	Count	Expected Function	Count	Result
Rte_Call_Ap_VehPwrMd_EpsEn_OP_GET	1	Rte_Call_Ap_VehPwrMd_EpsEn_OP_GET	1	~
Rte_Call_Ap_VehPwrMd_NxtrDiagMgr_GetNTCFailed	1	Rte_Call_Ap_VehPwrMd_NxtrDiagMgr_GetNTCFailed	1	~
Rte_Mode_Ap_VehPwrMd_SystemState_Mode	1	Rte_Mode_Ap_VehPwrMd_SystemState_Mode	1	~
IgnFailureDiag	1	IgnFailureDiag	1	•
Rte_Call_Ap_VehPwrMd_NxtrDiagMgr_SetNTCStatus	1	Rte_Call_Ap_VehPwrMd_NxtrDiagMgr_SetNTCStatus	1	~
Rte_Call_Ap_VehPwrMd_SystemTime_GetSystemTime_mS_u32	1	Rte_Call_Ap_VehPwrMd_SystemTime_GetSystemTime_mS_u32	1	•
Rte_Call_VehPwrMd_Per1_CP1_CheckpointReached	1	Rte_Call_VehPwrMd_Per1_CP1_CheckpointReached	1	~

Test Step 2.28 (Repeat Count = 1)		
Name	Input Value	
IGNDiagStartTime_mS_M_u32p0	9999	
Rte_Call_Ap_VehPwrMd_EpsEn_OP_GET(signal)	tgt_Rte_Call_Ap_VehPwrMd_EpsEn_OP_GET_signal	
Rte_Call_Ap_VehPwrMd_NxtrDiagMgr_GetNTCFailed(NTCFailed_Ptr_T_lgc)	tgt_Rte_Call_Ap_VehPwrMd_NxtrDiagMgr_GetNTCFailed_NTCFailed_Ptr	
$Rte_Call_Ap_VehPwrMd_SystemTime_DtrmnElapsedTime_mS_u16(ElapsedTime)$	tgt_Rte_Call_Ap_VehPwrMd_SystemTime_DtrmnElapsedTime_mS_u16_Ela	

 $\label{total_persum} $$ tgt_VehPwrMd_Per1_OperRampRate_XpmS_f32.value $$ tgt_VehPwrMd_Per1_OperRampValue_Uls_f32.value $$ tgt_VehPwrMd_Per1_OperRampValue $$ tgt_$

VehPwrMd_Per1

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0.200000003 ± 0.0001

0 ± 0.00390625

Name	Input Value		
Rte_Call_Ap_VehPwrMd_SystemTime_GetSystemTime_mS_u32(CurrentTime)	tgt_Rte_Call_Ap_VehPwrMd_SystemTime_	_GetSystemTime_mS_u32_Curren	
Rte_Inst_Ap_VehPwrMd	tgt_Rte_Inst_Ap_VehPwrMd	tgt_Rte_Inst_Ap_VehPwrMd	
Rte_Mode_Ap_VehPwrMd_SystemState_Mode()	4		
k_IGNDiagTime_mS_u16p0	1200		
k_RampDnRt_UlspmS_f32	0.200000003		
k_RampUpRtLoSpd_UlspmS_f32	0.800000012		
k_RmpDnAsstVehSpdLimit_Kph_f32	112.199997		
tgt_Rte_Call_Ap_VehPwrMd_EpsEn_OP_GET_signal	0		
tgt_Rte_Call_Ap_VehPwrMd_NxtrDiagMgr_GetNTCFailed_NTCFailed_Ptr	1		
tgt_Rte_Call_Ap_VehPwrMd_SystemTime_DtrmnElapsedTime_mS_u16_Ela	40000		
tgt_Rte_Call_Ap_VehPwrMd_SystemTime_GetSystemTime_mS_u32_Curren	6867		
tgt_Rte_Inst_Ap_VehPwrMd.VehPwrMd_Per1_ATermActive_Cnt_Igc	tgt_VehPwrMd_Per1_ATermActive_Cnt_lg	c	
tgt_Rte_Inst_Ap_VehPwrMd.VehPwrMd_Per1_CTermActive_Cnt_lgc	tgt_VehPwrMd_Per1_CTermActive_Cnt_Igc		
tgt_Rte_Inst_Ap_VehPwrMd.VehPwrMd_Per1_EngONSrlComSvcDft_Cnt_lgc	tgt_VehPwrMd_Per1_EngONSrlComSvcDf	t_Cnt_lgc	
tgt_Rte_Inst_Ap_VehPwrMd.VehPwrMd_Per1_OperRampRate_XpmS_f32	tgt_VehPwrMd_Per1_OperRampRate_XpmS_f32		
tgt_Rte_Inst_Ap_VehPwrMd.VehPwrMd_Per1_OperRampValue_Uls_f32	tgt_VehPwrMd_Per1_OperRampValue_Uls_f32		
tgt_Rte_Inst_Ap_VehPwrMd.VehPwrMd_Per1_SrlComEngOn_Cnt_lgc	tgt_VehPwrMd_Per1_SrlComEngOn_Cnt_lgc		
tgt_Rte_Inst_Ap_VehPwrMd.VehPwrMd_Per1_SrlComSPMOn_Cnt_lgc	tgt_VehPwrMd_Per1_SrlComSPMOn_Cnt_lgc		
tgt_Rte_Inst_Ap_VehPwrMd.VehPwrMd_Per1_VehSpdValid_Cnt_Igc	tgt_VehPwrMd_Per1_VehSpdValid_Cnt_lg	c	
tgt_Rte_Inst_Ap_VehPwrMd.VehPwrMd_Per1_VehSpd_Kph_f32	tgt_VehPwrMd_Per1_VehSpd_Kph_f32		
tgt_VehPwrMd_Per1_EngONSrlComSvcDft_Cnt_lgc.value	0		
tgt_VehPwrMd_Per1_SrlComEngOn_Cnt_lgc.value	1		
tgt_VehPwrMd_Per1_SrlComSPMOn_Cnt_lgc.value	1		
tgt_VehPwrMd_Per1_VehSpdValid_Cnt_lgc.value	0		
tgt_VehPwrMd_Per1_VehSpd_Kph_f32.value	400		
Name	Actual Value	Expected Value	Result
IGNDiagStartTime_mS_M_u32p0	9999	9999	•
Rte_Call_Ap_VehPwrMd_NxtrDiagMgr_SetNTCStatus(NTC_Cnt_T_enum)	184	184	✓
Rte_Call_Ap_VehPwrMd_NxtrDiagMgr_SetNTCStatus(Param_Cnt_T_u08)	1	1	•
Rte_Call_Ap_VehPwrMd_NxtrDiagMgr_SetNTCStatus(Status_Cnt_T_enum)	1	1	•
tgt_VehPwrMd_Per1_ATermActive_Cnt_lgc.value	1	1	✓
tgt_VehPwrMd_Per1_CTermActive_Cnt_lgc.value	0	0	·

Test Step Call Trace				✓
Actual Function	Count	Expected Function	Count	Result
Rte_Call_Ap_VehPwrMd_EpsEn_OP_GET	1	Rte_Call_Ap_VehPwrMd_EpsEn_OP_GET	1	~
Rte_Call_Ap_VehPwrMd_NxtrDiagMgr_GetNTCFailed	1	Rte_Call_Ap_VehPwrMd_NxtrDiagMgr_GetNTCFailed	1	~
Rte_Mode_Ap_VehPwrMd_SystemState_Mode	1	Rte_Mode_Ap_VehPwrMd_SystemState_Mode	1	~
IgnFailureDiag	1	IgnFailureDiag	1	✓
Rte_Call_Ap_VehPwrMd_SystemTime_DtrmnElapsedTime_mS_u16	1	Rte_Call_Ap_VehPwrMd_SystemTime_DtrmnElapsedTime_mS_u16	1	~
Rte_Call_Ap_VehPwrMd_NxtrDiagMgr_SetNTCStatus	1	Rte_Call_Ap_VehPwrMd_NxtrDiagMgr_SetNTCStatus	1	~
Rte Call VehPwrMd Per1 CP1 CheckpointReached	1	Rte Call VehPwrMd Per1 CP1 CheckpointReached	1	_

0.200000003

0

Test Step 2.29 (Repeat Count = 1)	✓
Name	Input Value
IGNDiagStartTime_mS_M_u32p0	1000
Rte_Call_Ap_VehPwrMd_EpsEn_OP_GET(signal)	tgt_Rte_Call_Ap_VehPwrMd_EpsEn_OP_GET_signal
Rte_Call_Ap_VehPwrMd_NxtrDiagMgr_GetNTCFailed(NTCFailed_Ptr_T_lgc)	tgt_Rte_Call_Ap_VehPwrMd_NxtrDiagMgr_GetNTCFailed_NTCFailed_Ptr
$Rte_Call_Ap_VehPwrMd_SystemTime_DtrmnElapsedTime_mS_u16(ElapsedTime)$	tgt_Rte_Call_Ap_VehPwrMd_SystemTime_DtrmnElapsedTime_mS_u16_Ela
Rte_Call_Ap_VehPwrMd_SystemTime_GetSystemTime_mS_u32(CurrentTime)	tgt_Rte_Call_Ap_VehPwrMd_SystemTime_GetSystemTime_mS_u32_Curren
Rte_Inst_Ap_VehPwrMd	tgt_Rte_Inst_Ap_VehPwrMd
Rte_Mode_Ap_VehPwrMd_SystemState_Mode()	2
k_IGNDiagTime_mS_u16p0	250
k_RampDnRt_UlspmS_f32	0.300000012
k_RampUpRtLoSpd_UlspmS_f32	0.89999976
k_RmpDnAsstVehSpdLimit_Kph_f32	85.3000031
tgt_Rte_Call_Ap_VehPwrMd_EpsEn_OP_GET_signal	0
tgt_Rte_Call_Ap_VehPwrMd_NxtrDiagMgr_GetNTCFailed_NTCFailed_Ptr	0
tgt_Rte_Call_Ap_VehPwrMd_SystemTime_DtrmnElapsedTime_mS_u16_Ela	55200
tgt_Rte_Call_Ap_VehPwrMd_SystemTime_GetSystemTime_mS_u32_Curren	89089
tgt_Rte_Inst_Ap_VehPwrMd.VehPwrMd_Per1_ATermActive_Cnt_Igc	tgt_VehPwrMd_Per1_ATermActive_Cnt_lgc
tgt_Rte_Inst_Ap_VehPwrMd.VehPwrMd_Per1_CTermActive_Cnt_lgc	tgt_VehPwrMd_Per1_CTermActive_Cnt_lgc
tgt_Rte_Inst_Ap_VehPwrMd.VehPwrMd_Per1_EngONSrlComSvcDft_Cnt_lgc	tgt_VehPwrMd_Per1_EngONSrlComSvcDft_Cnt_lgc
tgt_Rte_Inst_Ap_VehPwrMd.VehPwrMd_Per1_OperRampRate_XpmS_f32	tgt_VehPwrMd_Per1_OperRampRate_XpmS_f32
tgt_Rte_Inst_Ap_VehPwrMd.VehPwrMd_Per1_OperRampValue_Uls_f32	tgt_VehPwrMd_Per1_OperRampValue_Uls_f32
tgt_Rte_Inst_Ap_VehPwrMd.VehPwrMd_Per1_SrlComEngOn_Cnt_lgc	tgt_VehPwrMd_Per1_SrlComEngOn_Cnt_lgc
tgt_Rte_Inst_Ap_VehPwrMd.VehPwrMd_Per1_SrlComSPMOn_Cnt_lgc	tgt_VehPwrMd_Per1_SrlComSPMOn_Cnt_lgc
tgt_Rte_Inst_Ap_VehPwrMd.VehPwrMd_Per1_VehSpdValid_Cnt_Igc	tgt_VehPwrMd_Per1_VehSpdValid_Cnt_lgc

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Name	Input Value		
tgt_Rte_Inst_Ap_VehPwrMd.VehPwrMd_Per1_VehSpd_Kph_f32	tgt_VehPwrMd_Per1_VehSpd_Kph_f32		
tgt_VehPwrMd_Per1_EngONSrlComSvcDft_Cnt_lgc.value	1		
tgt_VehPwrMd_Per1_SrlComEngOn_Cnt_lgc.value	1		
tgt_VehPwrMd_Per1_SrlComSPMOn_Cnt_lgc.value	1		
tgt_VehPwrMd_Per1_VehSpdValid_Cnt_lgc.value	1		
tgt_VehPwrMd_Per1_VehSpd_Kph_f32.value	250.5		
Name	Actual Value	Expected Value	Result
IGNDiagStartTime_mS_M_u32p0	1000	1000	~
Rte_Call_Ap_VehPwrMd_NxtrDiagMgr_SetNTCStatus(NTC_Cnt_T_enum)	184	184	~
Rte_Call_Ap_VehPwrMd_NxtrDiagMgr_SetNTCStatus(Param_Cnt_T_u08)	1	1	~
Rte_Call_Ap_VehPwrMd_NxtrDiagMgr_SetNTCStatus(Status_Cnt_T_enum)	1	1	~
tgt_VehPwrMd_Per1_ATermActive_Cnt_lgc.value	0	0	~
tgt_VehPwrMd_Per1_CTermActive_Cnt_lgc.value	0	0	~
tgt_VehPwrMd_Per1_OperRampRate_XpmS_f32.value	0.300000012	0.300000012 ± 0.0001	•
tgt_VehPwrMd_Per1_OperRampValue_Uls_f32.value	0	0 ± 0.00390625	~

Test Step Call Trace				
Actual Function	Count	Expected Function	Count	Result
Rte_Call_Ap_VehPwrMd_EpsEn_OP_GET	1	Rte_Call_Ap_VehPwrMd_EpsEn_OP_GET	1	~
Rte_Call_Ap_VehPwrMd_NxtrDiagMgr_GetNTCFailed	1	Rte_Call_Ap_VehPwrMd_NxtrDiagMgr_GetNTCFailed	1	•
Rte_Mode_Ap_VehPwrMd_SystemState_Mode	1	Rte_Mode_Ap_VehPwrMd_SystemState_Mode	1	~
IgnFailureDiag	1	IgnFailureDiag	1	•
Rte_Call_Ap_VehPwrMd_SystemTime_DtrmnElapsedTime_mS_u16	1	Rte_Call_Ap_VehPwrMd_SystemTime_DtrmnElapsedTime_mS_u16	1	~
Rte_Call_Ap_VehPwrMd_NxtrDiagMgr_SetNTCStatus	1	Rte_Call_Ap_VehPwrMd_NxtrDiagMgr_SetNTCStatus	1	•
Rte_Call_VehPwrMd_Per1_CP1_CheckpointReached	1	Rte_Call_VehPwrMd_Per1_CP1_CheckpointReached	1	~

Test Step 2.30 (Repeat Count = 1)			•	
Name	Input Value			
IGNDiagStartTime_mS_M_u32p0	2000			
Rte_Call_Ap_VehPwrMd_EpsEn_OP_GET(signal)	tgt_Rte_Call_Ap_VehPwrMd_EpsEn_OP_0	gt_Rte_Call_Ap_VehPwrMd_EpsEn_OP_GET_signal		
Rte_Call_Ap_VehPwrMd_NxtrDiagMgr_GetNTCFailed(NTCFailed_Ptr_T_lgc)	tgt_Rte_Call_Ap_VehPwrMd_NxtrDiagMgr_	_GetNTCFailed_NTCFailed_Ptr		
$Rte_Call_Ap_VehPwrMd_SystemTime_DtrmnElapsedTime_mS_u16(ElapsedTime_$	tgt_Rte_Call_Ap_VehPwrMd_SystemTime_	_DtrmnElapsedTime_mS_u16_Ela		
Rte_Call_Ap_VehPwrMd_SystemTime_GetSystemTime_mS_u32(CurrentTime)	tgt_Rte_Call_Ap_VehPwrMd_SystemTime_	GetSystemTime_mS_u32_Curren		
Rte_Inst_Ap_VehPwrMd	tgt_Rte_Inst_Ap_VehPwrMd			
Rte_Mode_Ap_VehPwrMd_SystemState_Mode()	1			
k_IGNDiagTime_mS_u16p0	5500			
k_RampDnRt_UlspmS_f32	0.400000006			
k_RampUpRtLoSpd_UlspmS_f32	0.0199999996			
k_RmpDnAsstVehSpdLimit_Kph_f32	90.5			
tgt_Rte_Call_Ap_VehPwrMd_EpsEn_OP_GET_signal	1			
tgt_Rte_Call_Ap_VehPwrMd_NxtrDiagMgr_GetNTCFailed_NTCFailed_Ptr	0			
tgt_Rte_Call_Ap_VehPwrMd_SystemTime_DtrmnElapsedTime_mS_u16_Ela	35000			
tgt_Rte_Call_Ap_VehPwrMd_SystemTime_GetSystemTime_mS_u32_Curren	1452			
tgt_Rte_Inst_Ap_VehPwrMd.VehPwrMd_Per1_ATermActive_Cnt_Igc	tgt_VehPwrMd_Per1_ATermActive_Cnt_lgd			
tgt_Rte_Inst_Ap_VehPwrMd.VehPwrMd_Per1_CTermActive_Cnt_lgc	tgt_VehPwrMd_Per1_CTermActive_Cnt_lgc			
tgt_Rte_Inst_Ap_VehPwrMd.VehPwrMd_Per1_EngONSrlComSvcDft_Cnt_lgc	tgt_VehPwrMd_Per1_EngONSrlComSvcDff	_Cnt_lgc		
tgt_Rte_Inst_Ap_VehPwrMd.VehPwrMd_Per1_OperRampRate_XpmS_f32	tgt_VehPwrMd_Per1_OperRampRate_Xpm	S_f32		
tgt_Rte_Inst_Ap_VehPwrMd.VehPwrMd_Per1_OperRampValue_Uls_f32	tgt_VehPwrMd_Per1_OperRampValue_Uls	_f32		
tgt_Rte_Inst_Ap_VehPwrMd.VehPwrMd_Per1_SrlComEngOn_Cnt_lgc	tgt_VehPwrMd_Per1_SrlComEngOn_Cnt_lg	gc		
tgt_Rte_Inst_Ap_VehPwrMd.VehPwrMd_Per1_SrlComSPMOn_Cnt_Igc	tgt_VehPwrMd_Per1_SrlComSPMOn_Cnt_	<u>lgc</u>		
tgt_Rte_Inst_Ap_VehPwrMd.VehPwrMd_Per1_VehSpdValid_Cnt_Igc	tgt_VehPwrMd_Per1_VehSpdValid_Cnt_lgd			
tgt_Rte_Inst_Ap_VehPwrMd.VehPwrMd_Per1_VehSpd_Kph_f32	tgt_VehPwrMd_Per1_VehSpd_Kph_f32			
tgt_VehPwrMd_Per1_EngONSrlComSvcDft_Cnt_lgc.value	1			
tgt_VehPwrMd_Per1_SrlComEngOn_Cnt_lgc.value	1			
tgt_VehPwrMd_Per1_SrlComSPMOn_Cnt_lgc.value	0			
tgt_VehPwrMd_Per1_VehSpdValid_Cnt_lgc.value	1			
tgt_VehPwrMd_Per1_VehSpd_Kph_f32.value	40.2000008			
Name	Actual Value	Expected Value	Resu	
IGNDiagStartTime_mS_M_u32p0	1452	1452		
Rte_Call_Ap_VehPwrMd_NxtrDiagMgr_SetNTCStatus(NTC_Cnt_T_enum)	184	184		
Rte_Call_Ap_VehPwrMd_NxtrDiagMgr_SetNTCStatus(Param_Cnt_T_u08)	1	1		
		2		

0

0.0199999996

0

0.0199999996 ± 0.0001

1 ± 0.00390625

tgt_VehPwrMd_Per1_CTermActive_Cnt_lgc.value

 $tgt_VehPwrMd_Per1_OperRampRate_XpmS_f32.value$

 $tgt_VehPwrMd_Per1_OperRampValue_Uls_f32.value$

 $\label{lem:continuous} Rte_Call_Ap_VehPwrMd_NxtrDiagMgr_SetNTCStatus(Status_Cnt_T_enum) \\ tgt_VehPwrMd_Per1_ATermActive_Cnt_Igc.value$



est Step Call Trace					
Actual Function	Count	Expected Function	Count	Result	
Rte_Call_Ap_VehPwrMd_EpsEn_OP_GET	1	Rte_Call_Ap_VehPwrMd_EpsEn_OP_GET	1	~	
Rte_Call_Ap_VehPwrMd_NxtrDiagMgr_GetNTCFailed	1	Rte_Call_Ap_VehPwrMd_NxtrDiagMgr_GetNTCFailed	1	~	
Rte_Mode_Ap_VehPwrMd_SystemState_Mode	1	Rte_Mode_Ap_VehPwrMd_SystemState_Mode	1	-	
IgnFailureDiag	1	IgnFailureDiag	1	•	
Rte_Call_Ap_VehPwrMd_NxtrDiagMgr_SetNTCStatus	1	Rte_Call_Ap_VehPwrMd_NxtrDiagMgr_SetNTCStatus	1	•	
Rte_Call_Ap_VehPwrMd_SystemTime_GetSystemTime_mS_u32	1	Rte_Call_Ap_VehPwrMd_SystemTime_GetSystemTime_mS_u32	1	•	
Rte_Call_VehPwrMd_Per1_CP1_CheckpointReached	1	Rte_Call_VehPwrMd_Per1_CP1_CheckpointReached	1	~	

Test Step 2.31 (Repeat Count = 1) Name	Input Value			
IGNDiagStartTime mS M u32p0	0	•		
Rte Call Ap VehPwrMd EpsEn OP GET(signal)	tgt Rte Call Ap VehPwrMd EpsEn OP	GET signal		
Rte Call Ap VehPwrMd NxtrDiagMgr GetNTCFailed(NTCFailed Ptr T lgc)		gt_Rte_Gall_Ap_Vern wind_pastin_Or_GET_signal gt_Rte_Call_Ap_Vern wind_pastin_Or_GET_signal		
Rte Call Ap VehPwrMd SystemTime DtrmnElapsedTime mS u16(ElapsedTime				
Rte_Call_Ap_VehPwrMd_SystemTime_GetSystemTime_mS_u32(CurrentTime)	/			
Rte Inst Ap VehPwrMd	tgt_Rte_Call_Ap_VehPwrMd_SystemTime tgt_Rte_Inst_Ap_VehPwrMd	GetSystemTime_ms_usz_curren		
	0			
Rte_Mode_Ap_VehPwrMd_SystemState_Mode()	0			
k_IGNDiagTime_mS_u16p0 k RampDnRt UlspmS f32	2.9999992e-005			
_ : _ : _	2.9999992e-005			
k_RampUpRtLoSpd_UlspmS_f32	0			
k_RmpDnAsstVehSpdLimit_Kph_f32	0			
tgt_Rte_Call_Ap_VehPwrMd_EpsEn_OP_GET_signal	0			
tgt_Rte_Call_Ap_VehPwrMd_NxtrDiagMgr_GetNTCFailed_NTCFailed_Ptr	-			
tgt_Rte_Call_Ap_VehPwrMd_SystemTime_DtrmnElapsedTime_mS_u16_Ela	0			
tgt_Rte_Call_Ap_VehPwrMd_SystemTime_GetSystemTime_mS_u32_Curren	0			
tgt_Rte_Inst_Ap_VehPwrMd.VehPwrMd_Per1_ATermActive_Cnt_lgc		tgt_VehPwrMd_Per1_ATermActive_Cnt_lgc		
tgt_Rte_Inst_Ap_VehPwrMd.VehPwrMd_Per1_CTermActive_Cnt_lgc		tgt_VehPwrMd_Per1_CTermActive_Cnt_lgc		
tgt_Rte_Inst_Ap_VehPwrMd.VehPwrMd_Per1_EngONSrlComSvcDft_Cnt_Igc	tgt_VehPwrMd_Per1_EngONSrlComSvcDft_Cnt_lgc			
tgt_Rte_Inst_Ap_VehPwrMd.VehPwrMd_Per1_OperRampRate_XpmS_f32		tgt_VehPwrMd_Per1_OperRampRate_XpmS_f32		
tgt_Rte_Inst_Ap_VehPwrMd.VehPwrMd_Per1_OperRampValue_Uls_f32	tgt_VehPwrMd_Per1_OperRampValue_Ul	_		
tgt_Rte_Inst_Ap_VehPwrMd.VehPwrMd_Per1_SrlComEngOn_Cnt_lgc	tgt_VehPwrMd_Per1_SrlComEngOn_Cnt_			
tgt_Rte_Inst_Ap_VehPwrMd.VehPwrMd_Per1_SrlComSPMOn_Cnt_lgc	tgt_VehPwrMd_Per1_SrlComSPMOn_Cnt	_lgc		
tgt_Rte_Inst_Ap_VehPwrMd.VehPwrMd_Per1_VehSpdValid_Cnt_Igc	tgt_VehPwrMd_Per1_VehSpdValid_Cnt_lg	дс		
tgt_Rte_Inst_Ap_VehPwrMd.VehPwrMd_Per1_VehSpd_Kph_f32	tgt_VehPwrMd_Per1_VehSpd_Kph_f32			
tgt_VehPwrMd_Per1_EngONSrlComSvcDft_Cnt_lgc.value	0			
tgt_VehPwrMd_Per1_SrlComEngOn_Cnt_lgc.value	0			
tgt_VehPwrMd_Per1_SrlComSPMOn_Cnt_lgc.value	0			
tgt_VehPwrMd_Per1_VehSpdValid_Cnt_lgc.value	0			
tgt_VehPwrMd_Per1_VehSpd_Kph_f32.value	0			
Name	Actual Value	Expected Value	Resu	
IGNDiagStartTime_mS_M_u32p0	0	0		
Rte_Call_Ap_VehPwrMd_NxtrDiagMgr_SetNTCStatus(NTC_Cnt_T_enum)	184	184		
Rte_Call_Ap_VehPwrMd_NxtrDiagMgr_SetNTCStatus(Param_Cnt_T_u08)	1	1		
Rte Call Ap VehPwrMd NxtrDiagMgr SetNTCStatus(Status Cnt T enum)	0	0		
tgt_VehPwrMd_Per1_ATermActive_Cnt_lgc.value	0	0		
tgt VehPwrMd Per1 CTermActive Cnt Igc.value	0	0		
tgt_VehPwrMd_Per1_OperRampRate_XpmS_f32.value	2.9999992e-005	2.99999992e-005 ± 0.0001		
tgt VehPwrMd Per1 OperRampValue Uls f32.value	0	0 ± 0.00390625		

Test Step Call Trace				
Actual Function	Count	Expected Function	Count	Result
Rte_Call_Ap_VehPwrMd_EpsEn_OP_GET	1	Rte_Call_Ap_VehPwrMd_EpsEn_OP_GET	1	~
Rte_Call_Ap_VehPwrMd_NxtrDiagMgr_GetNTCFailed	1	Rte_Call_Ap_VehPwrMd_NxtrDiagMgr_GetNTCFailed	1	✓
Rte_Mode_Ap_VehPwrMd_SystemState_Mode	1	Rte_Mode_Ap_VehPwrMd_SystemState_Mode	1	~
IgnFailureDiag	1	IgnFailureDiag	1	•
Rte_Call_Ap_VehPwrMd_NxtrDiagMgr_SetNTCStatus	1	Rte_Call_Ap_VehPwrMd_NxtrDiagMgr_SetNTCStatus	1	~
Rte_Call_Ap_VehPwrMd_SystemTime_GetSystemTime_mS_u32	1	Rte_Call_Ap_VehPwrMd_SystemTime_GetSystemTime_mS_u32	1	~
Rte_Call_VehPwrMd_Per1_CP1_CheckpointReached	1	Rte_Call_VehPwrMd_Per1_CP1_CheckpointReached	1	~

Test Step 2.32 (Repeat Count = 1)		
Name	Input Value	
IGNDiagStartTime_mS_M_u32p0	4294967295	
Rte_Call_Ap_VehPwrMd_EpsEn_OP_GET(signal)	tgt_Rte_Call_Ap_VehPwrMd_EpsEn_OP_GET_signal	
Rte_Call_Ap_VehPwrMd_NxtrDiagMgr_GetNTCFailed(NTCFailed_Ptr_T_lgc)	tgt_Rte_Call_Ap_VehPwrMd_NxtrDiagMgr_GetNTCFailed_NTCFailed_Ptr	
$Rte_Call_Ap_VehPwrMd_SystemTime_DtrmnElapsedTime_mS_u16(ElapsedTime)$	tgt_Rte_Call_Ap_VehPwrMd_SystemTime_DtrmnElapsedTime_mS_u16_Ela	

tgt_VehPwrMd_Per1_OperRampRate_XpmS_f32.value tgt_VehPwrMd_Per1_OperRampValue_Uls_f32.value

2015-07-03, 13:23:04+0530



VehPwrMd_Per1

Name	Input Value			
Rte_Call_Ap_VehPwrMd_SystemTime_GetSystemTime_mS_u32(CurrentTime)	tgt_Rte_Call_Ap_VehPwrMd_SystemTim	tgt_Rte_Call_Ap_VehPwrMd_SystemTime_GetSystemTime_mS_u32_Curren		
Rte_Inst_Ap_VehPwrMd	tgt_Rte_Inst_Ap_VehPwrMd	tgt_Rte_Inst_Ap_VehPwrMd		
Rte_Mode_Ap_VehPwrMd_SystemState_Mode()	4	4		
k_IGNDiagTime_mS_u16p0	60000	60000		
k_RampDnRt_UlspmS_f32	1	1		
k_RampUpRtLoSpd_UlspmS_f32	1			
k_RmpDnAsstVehSpdLimit_Kph_f32	255			
tgt_Rte_Call_Ap_VehPwrMd_EpsEn_OP_GET_signal	1			
tgt_Rte_Call_Ap_VehPwrMd_NxtrDiagMgr_GetNTCFailed_NTCFailed_Ptr	1			
tgt_Rte_Call_Ap_VehPwrMd_SystemTime_DtrmnElapsedTime_mS_u16_Ela	65535			
tgt_Rte_Call_Ap_VehPwrMd_SystemTime_GetSystemTime_mS_u32_Curren	4294967295			
tgt_Rte_Inst_Ap_VehPwrMd.VehPwrMd_Per1_ATermActive_Cnt_Igc	tgt_VehPwrMd_Per1_ATermActive_Cnt_	<u>lgc</u>		
tgt_Rte_Inst_Ap_VehPwrMd.VehPwrMd_Per1_CTermActive_Cnt_lgc	tgt_VehPwrMd_Per1_CTermActive_Cnt_	tgt_VehPwrMd_Per1_CTermActive_Cnt_lgc		
tgt_Rte_Inst_Ap_VehPwrMd.VehPwrMd_Per1_EngONSrlComSvcDft_Cnt_lgc	tgt_VehPwrMd_Per1_EngONSrlComSvc	tgt_VehPwrMd_Per1_EngONSrlComSvcDft_Cnt_lgc		
tgt_Rte_Inst_Ap_VehPwrMd.VehPwrMd_Per1_OperRampRate_XpmS_f32	tgt_VehPwrMd_Per1_OperRampRate_XpmS_f32			
tgt_Rte_Inst_Ap_VehPwrMd.VehPwrMd_Per1_OperRampValue_Uls_f32	tgt_VehPwrMd_Per1_OperRampValue_U	tgt_VehPwrMd_Per1_OperRampValue_Uls_f32		
tgt_Rte_Inst_Ap_VehPwrMd.VehPwrMd_Per1_SrlComEngOn_Cnt_lgc	tgt_VehPwrMd_Per1_SrlComEngOn_Cnt_lgc			
tgt_Rte_Inst_Ap_VehPwrMd.VehPwrMd_Per1_SrlComSPMOn_Cnt_lgc	tgt_VehPwrMd_Per1_SrlComSPMOn_Cnt_lgc			
tgt_Rte_Inst_Ap_VehPwrMd.VehPwrMd_Per1_VehSpdValid_Cnt_lgc	tgt_VehPwrMd_Per1_VehSpdValid_Cnt_	tgt_VehPwrMd_Per1_VehSpdValid_Cnt_Igc		
tgt_Rte_Inst_Ap_VehPwrMd.VehPwrMd_Per1_VehSpd_Kph_f32	tgt_VehPwrMd_Per1_VehSpd_Kph_f32			
tgt_VehPwrMd_Per1_EngONSrlComSvcDft_Cnt_lgc.value	1			
tgt_VehPwrMd_Per1_SrlComEngOn_Cnt_lgc.value	1			
tgt_VehPwrMd_Per1_SrlComSPMOn_Cnt_lgc.value	1			
tgt_VehPwrMd_Per1_VehSpdValid_Cnt_lgc.value	1			
tgt_VehPwrMd_Per1_VehSpd_Kph_f32.value	511			
Name	Actual Value	Expected Value	Resul	
IGNDiagStartTime_mS_M_u32p0	4294967295	4294967295	•	
Rte_Call_Ap_VehPwrMd_NxtrDiagMgr_SetNTCStatus(NTC_Cnt_T_enum)	184	184	•	
Rte_Call_Ap_VehPwrMd_NxtrDiagMgr_SetNTCStatus(Param_Cnt_T_u08)	1	1	•	
Rte_Call_Ap_VehPwrMd_NxtrDiagMgr_SetNTCStatus(Status_Cnt_T_enum)	0	0	•	
tgt_VehPwrMd_Per1_ATermActive_Cnt_lgc.value	1	1	•	
tgt_VehPwrMd_Per1_CTermActive_Cnt_lgc.value	1	1		

Test Step Call Trace ✓				
Actual Function	Count	Expected Function	Count	Result
Rte_Call_Ap_VehPwrMd_EpsEn_OP_GET	1	Rte_Call_Ap_VehPwrMd_EpsEn_OP_GET	1	~
Rte_Call_Ap_VehPwrMd_NxtrDiagMgr_GetNTCFailed	1	Rte_Call_Ap_VehPwrMd_NxtrDiagMgr_GetNTCFailed	1	✓
Rte_Mode_Ap_VehPwrMd_SystemState_Mode	1	Rte_Mode_Ap_VehPwrMd_SystemState_Mode	1	~
IgnFailureDiag	1	IgnFailureDiag	1	✓
Rte_Call_Ap_VehPwrMd_NxtrDiagMgr_SetNTCStatus	1	Rte_Call_Ap_VehPwrMd_NxtrDiagMgr_SetNTCStatus	1	~
Rte_Call_Ap_VehPwrMd_SystemTime_GetSystemTime_mS_u32	1	Rte_Call_Ap_VehPwrMd_SystemTime_GetSystemTime_mS_u32	1	~
Rte_Call_VehPwrMd_Per1_CP1_CheckpointReached	1	Rte_Call_VehPwrMd_Per1_CP1_CheckpointReached	1	~

1 ± 0.0001 1 ± 0.00390625



Test Case 3: Path Test

```
Specification
```

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

Cycles:

```
TC3.1 9870.00 Cycles
TC3.2 6246.00 Cycles
TC3.3 9677.00 Cycles
TC3.4 6305.00 Cycles
TC3.5 9663.00 Cycles
TC3.6 11276.00 Cycles
TC3.7 10431.00 Cycles
TC3.8 10080.00 Cycles
TC3.9 10500.00 Cycles
TC3.11 10001.00 Cycles
TC3.11 10001.00 Cycles
TC3.12 10885.00 Cycles
```

Description

Vector Description:

```
TC3.1 if (TRUE == EngONSrlComSvcDft_Cnt_T_lgc)=>FALSE
TC3.2 if (TRUE == EPSEn_Cnt_T_lgc)=>TRUE
TC3.3 "if ((TRUE == EPSEn_Cnt_T_lgc))=>FALSE
((RTE_MODE_StaMd_Mode_OPERATE == SystemState_Cnt_T_enum) &&
(TRUE == SrlComSPMOn_Cnt_T_lgc))=>TRUE"
TC3.4 if ((TRUE == EPSEn_Cnt_T_lgc)=>FALSE
TC3.5 "if ((FALSE == CTermActive_Cnt_T_lgc))|| (FALSE == ATermActive_Cnt_T_lgc))=>FALSE,
if ((TRUE == SrlComEngOn_Cnt_T_lgc) &&
(FALSE == EngMissingFit_Cnt_T_lgc) &&
(FALSE == EngMissingFit_Cnt_T_lgc) &&
(FALSE == LegnMissingFit_Cnt_T_lgc) &&
(VehSpd_Kph_T_f32 > K_RmpDnAsstVehSpdLimit_Kph_f32)))=>TRUE"
TC3.6 "((TRUE == EPSEn_Cnt_T_lgc)=>>False ||
((RTE_MODE_StaMd_Mode_OPERATE == SystemState_Cnt_T_enum)==>True &&
(TRUE == SrlComSPMOn_Cnt_T_lgc)=>>False ||
((RTE_MODE_StaMd_Mode_OPERATE == SystemState_Cnt_T_enum)==>True &&
(TRUE == SrlComSPMOn_Cnt_T_lgc)=>>False ||
((RTE_MODE_StaMd_Mode_OPERATE == SystemState_Cnt_T_enum)==>True &&
(TRUE == SrlComSPMOn_Cnt_T_lgc)=>>False ||
((RTE_MODE_StaMd_Mode_OPERATE == SystemState_Cnt_T_enum)==>True &&
(TRUE == SrlComSPMOn_Cnt_T_lgc)=>=>False &&
(FALSE == EngMissingFit_Cnt_T_lgc))||
((RTE_MODE_StaMd_Mode_OPERATE == SystemState_Cnt_T_enum)==>True &&
(TRUE == VehSpdValid_Cnt_T_lgc)=>>False &&
(VehSpd_Kph_T_f32 > k_RmpDnAsstVehSpdLimit_Kph_f32)))"
TC3.8 "((TRUE == StaComEngOn_Cnt_T_lgc)=>>True &&
(TRUE == VehSpdValid_Cnt_T_lgc)=>>True &&
(TRUE == StrComEngOn_Cnt_T_lgc)=>>True &&
(TRUE == VehSpdValid_Cnt_T_lgc)=>>True &&
(TRUE == VehSpdValid_Cnt_T_lgc)=>>True &&
(TRUE
```

Test Step 3.1 (Repeat Count = 1)	✓
Name	Input Value
IGNDiagStartTime_mS_M_u32p0	1234
Rte_Call_Ap_VehPwrMd_EpsEn_OP_GET(signal)	tgt_Rte_Call_Ap_VehPwrMd_EpsEn_OP_GET_signal
Rte_Call_Ap_VehPwrMd_NxtrDiagMgr_GetNTCFailed(NTCFailed_Ptr_T_lgc)	tgt_Rte_Call_Ap_VehPwrMd_NxtrDiagMgr_GetNTCFailed_NTCFailed_Ptr
$Rte_Call_Ap_VehPwrMd_SystemTime_DtrmnElapsedTime_mS_u16(ElapsedTime)$	tgt_Rte_Call_Ap_VehPwrMd_SystemTime_DtrmnElapsedTime_mS_u16_Ela
Rte_Call_Ap_VehPwrMd_SystemTime_GetSystemTime_mS_u32(CurrentTime)	tgt_Rte_Call_Ap_VehPwrMd_SystemTime_GetSystemTime_mS_u32_Curren
Rte_Inst_Ap_VehPwrMd	tgt_Rte_Inst_Ap_VehPwrMd
Rte_Mode_Ap_VehPwrMd_SystemState_Mode()	0
k_IGNDiagTime_mS_u16p0	300
k_RampDnRt_UlspmS_f32	0.100000001
k_RampUpRtLoSpd_UlspmS_f32	0.200000003
k_RmpDnAsstVehSpdLimit_Kph_f32	125.300003
tgt_Rte_Call_Ap_VehPwrMd_EpsEn_OP_GET_signal	0
tgt_Rte_Call_Ap_VehPwrMd_NxtrDiagMgr_GetNTCFailed_NTCFailed_Ptr	0
tgt_Rte_Call_Ap_VehPwrMd_SystemTime_DtrmnElapsedTime_mS_u16_Ela	4500
tgt_Rte_Call_Ap_VehPwrMd_SystemTime_GetSystemTime_mS_u32_Curren	5555
tgt_Rte_Inst_Ap_VehPwrMd.VehPwrMd_Per1_ATermActive_Cnt_Igc	tgt_VehPwrMd_Per1_ATermActive_Cnt_lgc
tgt_Rte_Inst_Ap_VehPwrMd.VehPwrMd_Per1_CTermActive_Cnt_lgc	tgt_VehPwrMd_Per1_CTermActive_Cnt_lgc
tgt_Rte_Inst_Ap_VehPwrMd.VehPwrMd_Per1_EngONSrlComSvcDft_Cnt_lgc	tgt_VehPwrMd_Per1_EngONSrlComSvcDft_Cnt_lgc
tgt_Rte_Inst_Ap_VehPwrMd.VehPwrMd_Per1_OperRampRate_XpmS_f32	tgt_VehPwrMd_Per1_OperRampRate_XpmS_f32
tgt_Rte_Inst_Ap_VehPwrMd.VehPwrMd_Per1_OperRampValue_Uls_f32	tgt_VehPwrMd_Per1_OperRampValue_Uls_f32

VehPwrMd_Per1

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Name	Input Value		
tgt_Rte_Inst_Ap_VehPwrMd.VehPwrMd_Per1_SrlComEngOn_Cnt_lgc	tgt_VehPwrMd_Per1_SrlComEngOn_Cnt_lg	ıc	
tgt_Rte_Inst_Ap_VehPwrMd.VehPwrMd_Per1_SrlComSPMOn_Cnt_lgc	tgt_VehPwrMd_Per1_SrlComSPMOn_Cnt_I	gc	
tgt_Rte_Inst_Ap_VehPwrMd.VehPwrMd_Per1_VehSpdValid_Cnt_Igc	tgt_VehPwrMd_Per1_VehSpdValid_Cnt_lgc		
tgt_Rte_Inst_Ap_VehPwrMd.VehPwrMd_Per1_VehSpd_Kph_f32	tgt_VehPwrMd_Per1_VehSpd_Kph_f32		
tgt_VehPwrMd_Per1_EngONSrlComSvcDft_Cnt_lgc.value	0		
tgt_VehPwrMd_Per1_SrlComEngOn_Cnt_lgc.value	0		
tgt_VehPwrMd_Per1_SrlComSPMOn_Cnt_lgc.value	1		
tgt_VehPwrMd_Per1_VehSpdValid_Cnt_lgc.value	0		
tgt_VehPwrMd_Per1_VehSpd_Kph_f32.value	120.300003		
Name	Actual Value	Expected Value	Result
IGNDiagStartTime_mS_M_u32p0	1234	1234	~
Rte_Call_Ap_VehPwrMd_NxtrDiagMgr_SetNTCStatus(NTC_Cnt_T_enum)	184	184	~
Rte_Call_Ap_VehPwrMd_NxtrDiagMgr_SetNTCStatus(Param_Cnt_T_u08)	1	1	~
Rte_Call_Ap_VehPwrMd_NxtrDiagMgr_SetNTCStatus(Status_Cnt_T_enum)	1	1	~
tgt_VehPwrMd_Per1_ATermActive_Cnt_lgc.value	1	1	~
tgt_VehPwrMd_Per1_CTermActive_Cnt_lgc.value	0	0	✓
tgt_VehPwrMd_Per1_OperRampRate_XpmS_f32.value	0.100000001	0.100000001 ± 0.0001	~
tgt_VehPwrMd_Per1_OperRampValue_Uls_f32.value	0	0 ± 0.00390625	~

Test Step Call Trace				V
Actual Function	Count	Expected Function	Count	Result
Rte_Call_Ap_VehPwrMd_EpsEn_OP_GET	1	Rte_Call_Ap_VehPwrMd_EpsEn_OP_GET	1	~
Rte_Call_Ap_VehPwrMd_NxtrDiagMgr_GetNTCFailed	1	Rte_Call_Ap_VehPwrMd_NxtrDiagMgr_GetNTCFailed	1	~
Rte_Mode_Ap_VehPwrMd_SystemState_Mode	1	Rte_Mode_Ap_VehPwrMd_SystemState_Mode	1	~
IgnFailureDiag	1	IgnFailureDiag	1	✓
Rte_Call_Ap_VehPwrMd_SystemTime_DtrmnElapsedTime_mS_u16	1	Rte_Call_Ap_VehPwrMd_SystemTime_DtrmnElapsedTime_mS_u16	1	~
Rte_Call_Ap_VehPwrMd_NxtrDiagMgr_SetNTCStatus	1	Rte_Call_Ap_VehPwrMd_NxtrDiagMgr_SetNTCStatus	1	~
Rte Call VehPwrMd Per1 CP1 CheckpointReached	1	Rte Call VehPwrMd Per1 CP1 CheckpointReached	1	~

Test Step 3.2 (Repeat Count = 1)				
Name	Input Value			
IGNDiagStartTime_mS_M_u32p0	645	645		
Rte_Call_Ap_VehPwrMd_EpsEn_OP_GET(signal)	tgt_Rte_Call_Ap_VehPwrMd_EpsEn_OP_G	gt_Rte_Call_Ap_VehPwrMd_EpsEn_OP_GET_signal		
Rte_Call_Ap_VehPwrMd_NxtrDiagMgr_GetNTCFailed(NTCFailed_Ptr_T_lgc)	tgt_Rte_Call_Ap_VehPwrMd_NxtrDiagMgr_	tgt_Rte_Call_Ap_VehPwrMd_NxtrDiagMgr_GetNTCFailed_NTCFailed_Ptr		
$Rte_Call_Ap_VehPwrMd_SystemTime_DtrmnElapsedTime_mS_u16(ElapsedTime)$	tgt_Rte_Call_Ap_VehPwrMd_SystemTime_I	DtrmnElapsedTime_mS_u16_Ela		
Rte_Call_Ap_VehPwrMd_SystemTime_GetSystemTime_mS_u32(CurrentTime)	tgt_Rte_Call_Ap_VehPwrMd_SystemTime_0	GetSystemTime_mS_u32_Curren		
Rte_Inst_Ap_VehPwrMd	tgt_Rte_Inst_Ap_VehPwrMd			
Rte_Mode_Ap_VehPwrMd_SystemState_Mode()	4			
k_IGNDiagTime_mS_u16p0	4000			
k_RampDnRt_UlspmS_f32	0.200000003			
k_RampUpRtLoSpd_UlspmS_f32	0.300000012			
k_RmpDnAsstVehSpdLimit_Kph_f32	254.100006			
tgt_Rte_Call_Ap_VehPwrMd_EpsEn_OP_GET_signal	1			
tgt_Rte_Call_Ap_VehPwrMd_NxtrDiagMgr_GetNTCFailed_NTCFailed_Ptr	1			
tgt_Rte_Call_Ap_VehPwrMd_SystemTime_DtrmnElapsedTime_mS_u16_Ela	3000			
tgt_Rte_Call_Ap_VehPwrMd_SystemTime_GetSystemTime_mS_u32_Curren	6666			
tgt_Rte_Inst_Ap_VehPwrMd.VehPwrMd_Per1_ATermActive_Cnt_lgc	tgt_VehPwrMd_Per1_ATermActive_Cnt_lgc			
tgt_Rte_Inst_Ap_VehPwrMd.VehPwrMd_Per1_CTermActive_Cnt_lgc	tgt_VehPwrMd_Per1_CTermActive_Cnt_lgc			
tgt_Rte_Inst_Ap_VehPwrMd.VehPwrMd_Per1_EngONSrlComSvcDft_Cnt_lgc	tgt_VehPwrMd_Per1_EngONSrlComSvcDft_	_Cnt_lgc		
tgt_Rte_Inst_Ap_VehPwrMd.VehPwrMd_Per1_OperRampRate_XpmS_f32	tgt_VehPwrMd_Per1_OperRampRate_Xpm	S_f32		
tgt_Rte_Inst_Ap_VehPwrMd.VehPwrMd_Per1_OperRampValue_Uls_f32	tgt_VehPwrMd_Per1_OperRampValue_Uls_	_f32		
tgt_Rte_Inst_Ap_VehPwrMd.VehPwrMd_Per1_SrlComEngOn_Cnt_lgc	tgt_VehPwrMd_Per1_SrlComEngOn_Cnt_lg	c		
tgt_Rte_Inst_Ap_VehPwrMd.VehPwrMd_Per1_SrlComSPMOn_Cnt_lgc	tgt_VehPwrMd_Per1_SrlComSPMOn_Cnt_I	gc		
tgt_Rte_Inst_Ap_VehPwrMd.VehPwrMd_Per1_VehSpdValid_Cnt_lgc	tgt_VehPwrMd_Per1_VehSpdValid_Cnt_lgc			
tgt_Rte_Inst_Ap_VehPwrMd.VehPwrMd_Per1_VehSpd_Kph_f32	tgt_VehPwrMd_Per1_VehSpd_Kph_f32			
tgt_VehPwrMd_Per1_EngONSrlComSvcDft_Cnt_lgc.value	1			
tgt_VehPwrMd_Per1_SrlComEngOn_Cnt_lgc.value	1			
tgt_VehPwrMd_Per1_SrlComSPMOn_Cnt_lgc.value	0			
tgt_VehPwrMd_Per1_VehSpdValid_Cnt_lgc.value	1			
tgt_VehPwrMd_Per1_VehSpd_Kph_f32.value	250.5			
Name	Actual Value	Expected Value	Resu	
IGNDiagStartTime_mS_M_u32p0	6666	6666		
Rte_Call_Ap_VehPwrMd_NxtrDiagMgr_SetNTCStatus(NTC_Cnt_T_enum)	184	184		
Rte_Call_Ap_VehPwrMd_NxtrDiagMgr_SetNTCStatus(Param_Cnt_T_u08)	1	1		
Rte_Call_Ap_VehPwrMd_NxtrDiagMgr_SetNTCStatus(Status_Cnt_T_enum)	0	0		
	4	4		

0.300000012

tgt_VehPwrMd_Per1_OperRampValue_Uls_f32.value

tgt_VehPwrMd_Per1_ATermActive_Cnt_lgc.value $tgt_VehPwrMd_Per1_CTermActive_Cnt_lgc.value$ $tgt_VehPwrMd_Per1_OperRampRate_XpmS_f32.value$

0.300000012 ± 0.0001

1 ± 0.00390625



Test Step Call Trace				
Actual Function	Count	Expected Function	Count	Result
Rte_Call_Ap_VehPwrMd_EpsEn_OP_GET	1	Rte_Call_Ap_VehPwrMd_EpsEn_OP_GET	1	~
Rte_Call_Ap_VehPwrMd_NxtrDiagMgr_GetNTCFailed	1	Rte_Call_Ap_VehPwrMd_NxtrDiagMgr_GetNTCFailed	1	~
Rte_Mode_Ap_VehPwrMd_SystemState_Mode	1	Rte_Mode_Ap_VehPwrMd_SystemState_Mode	1	•
IgnFailureDiag	1	IgnFailureDiag	1	•
Rte_Call_Ap_VehPwrMd_NxtrDiagMgr_SetNTCStatus	1	Rte_Call_Ap_VehPwrMd_NxtrDiagMgr_SetNTCStatus	1	•
Rte_Call_Ap_VehPwrMd_SystemTime_GetSystemTime_mS_u32	1	Rte_Call_Ap_VehPwrMd_SystemTime_GetSystemTime_mS_u32	1	•
Rte_Call_VehPwrMd_Per1_CP1_CheckpointReached	1	Rte_Call_VehPwrMd_Per1_CP1_CheckpointReached	1	~

Test Step 3.3 (Repeat Count = 1)				
Name	Input Value			
IGNDiagStartTime_mS_M_u32p0	1000			
Rte_Call_Ap_VehPwrMd_EpsEn_OP_GET(signal)	tgt_Rte_Call_Ap_VehPwrMd_EpsEn_OP_0	gt_Rte_Call_Ap_VehPwrMd_EpsEn_OP_GET_signal		
Rte_Call_Ap_VehPwrMd_NxtrDiagMgr_GetNTCFailed(NTCFailed_Ptr_T_lgc)	tgt_Rte_Call_Ap_VehPwrMd_NxtrDiagMgr	_GetNTCFailed_NTCFailed_Ptr		
$Rte_Call_Ap_VehPwrMd_SystemTime_DtrmnElapsedTime_mS_u16(ElapsedTime_$	e) tgt_Rte_Call_Ap_VehPwrMd_SystemTime	_DtrmnElapsedTime_mS_u16_Ela		
Rte_Call_Ap_VehPwrMd_SystemTime_GetSystemTime_mS_u32(CurrentTime)	tgt_Rte_Call_Ap_VehPwrMd_SystemTime	_GetSystemTime_mS_u32_Curren		
Rte_Inst_Ap_VehPwrMd	tgt_Rte_Inst_Ap_VehPwrMd			
Rte_Mode_Ap_VehPwrMd_SystemState_Mode()	3			
k_IGNDiagTime_mS_u16p0	2500			
k_RampDnRt_UlspmS_f32	0.899999976			
k_RampUpRtLoSpd_UlspmS_f32	0.0199999996			
k_RmpDnAsstVehSpdLimit_Kph_f32	140.5			
tgt_Rte_Call_Ap_VehPwrMd_EpsEn_OP_GET_signal	1			
tgt_Rte_Call_Ap_VehPwrMd_NxtrDiagMgr_GetNTCFailed_NTCFailed_Ptr	1			
tgt_Rte_Call_Ap_VehPwrMd_SystemTime_DtrmnElapsedTime_mS_u16_Ela	2300			
tgt_Rte_Call_Ap_VehPwrMd_SystemTime_GetSystemTime_mS_u32_Curren	6867			
tgt_Rte_Inst_Ap_VehPwrMd.VehPwrMd_Per1_ATermActive_Cnt_lgc	tgt_VehPwrMd_Per1_ATermActive_Cnt_lg	c		
tgt_Rte_Inst_Ap_VehPwrMd.VehPwrMd_Per1_CTermActive_Cnt_lgc	tgt_VehPwrMd_Per1_CTermActive_Cnt_lg	С		
tgt_Rte_Inst_Ap_VehPwrMd.VehPwrMd_Per1_EngONSrlComSvcDft_Cnt_lgc	tgt_VehPwrMd_Per1_EngONSrlComSvcDt	tgt_VehPwrMd_Per1_EngONSrlComSvcDft_Cnt_lgc		
tgt_Rte_Inst_Ap_VehPwrMd.VehPwrMd_Per1_OperRampRate_XpmS_f32	tgt_VehPwrMd_Per1_OperRampRate_Xpn	nS_f32		
tgt_Rte_Inst_Ap_VehPwrMd.VehPwrMd_Per1_OperRampValue_Uls_f32	tgt_VehPwrMd_Per1_OperRampValue_Uls	tgt_VehPwrMd_Per1_OperRampValue_Uls_f32		
tgt_Rte_Inst_Ap_VehPwrMd.VehPwrMd_Per1_SrlComEngOn_Cnt_lgc	tgt_VehPwrMd_Per1_SrlComEngOn_Cnt_	gc		
tgt_Rte_Inst_Ap_VehPwrMd.VehPwrMd_Per1_SrlComSPMOn_Cnt_lgc	tgt_VehPwrMd_Per1_SrlComSPMOn_Cnt_	_lgc		
tgt_Rte_Inst_Ap_VehPwrMd.VehPwrMd_Per1_VehSpdValid_Cnt_Igc	tgt_VehPwrMd_Per1_VehSpdValid_Cnt_lg	С		
tgt_Rte_Inst_Ap_VehPwrMd.VehPwrMd_Per1_VehSpd_Kph_f32	tgt_VehPwrMd_Per1_VehSpd_Kph_f32			
tgt_VehPwrMd_Per1_EngONSrlComSvcDft_Cnt_lgc.value	0			
tgt_VehPwrMd_Per1_SrlComEngOn_Cnt_lgc.value	1			
tgt_VehPwrMd_Per1_SrlComSPMOn_Cnt_lgc.value	0			
tgt_VehPwrMd_Per1_VehSpdValid_Cnt_lgc.value	1			
tgt_VehPwrMd_Per1_VehSpd_Kph_f32.value	0			
Name	Actual Value	Expected Value	Resul	
IGNDiagStartTime_mS_M_u32p0	6867	6867		
Rte Call Ap VehPwrMd NxtrDiagMgr SetNTCStatus(NTC Cnt T enum)	184	184	•	
Rte_Call_Ap_VehPwrMd_NxtrDiagMgr_SetNTCStatus(Param_Cnt_T_u08)	1	1		
Rte Call Ap VehPwrMd NxtrDiagMgr SetNTCStatus(Status Cnt T enum)	0	0		
tgt VehPwrMd Per1 ATermActive Cnt Igc.value	1	1		
tgt VehPwrMd Per1 CTermActive Cnt Igc.value	0	0		
tgt VehPwrMd Per1 OperRampRate XpmS f32.value	0.89999976	0.899999976 ± 0.0001		
tgt VehPwrMd Per1 OperRampValue Uls f32.value	0	0 ± 0.00390625		

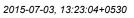
Test Step Call Trace				
Actual Function	Count	Expected Function	Count	Result
Rte_Call_Ap_VehPwrMd_EpsEn_OP_GET	1	Rte_Call_Ap_VehPwrMd_EpsEn_OP_GET	1	~
Rte_Call_Ap_VehPwrMd_NxtrDiagMgr_GetNTCFailed	1	Rte_Call_Ap_VehPwrMd_NxtrDiagMgr_GetNTCFailed	1	✓
Rte_Mode_Ap_VehPwrMd_SystemState_Mode	1	Rte_Mode_Ap_VehPwrMd_SystemState_Mode	1	~
IgnFailureDiag	1	IgnFailureDiag	1	•
Rte_Call_Ap_VehPwrMd_NxtrDiagMgr_SetNTCStatus	1	Rte_Call_Ap_VehPwrMd_NxtrDiagMgr_SetNTCStatus	1	~
Rte_Call_Ap_VehPwrMd_SystemTime_GetSystemTime_mS_u32	1	Rte_Call_Ap_VehPwrMd_SystemTime_GetSystemTime_mS_u32	1	~
Rte_Call_VehPwrMd_Per1_CP1_CheckpointReached	1	Rte_Call_VehPwrMd_Per1_CP1_CheckpointReached	1	~

Test Step 3.4 (Repeat Count = 1)	✓
Name	Input Value
IGNDiagStartTime_mS_M_u32p0	1234
Rte_Call_Ap_VehPwrMd_EpsEn_OP_GET(signal)	tgt_Rte_Call_Ap_VehPwrMd_EpsEn_OP_GET_signal
Rte_Call_Ap_VehPwrMd_NxtrDiagMgr_GetNTCFailed(NTCFailed_Ptr_T_lgc)	tgt_Rte_Call_Ap_VehPwrMd_NxtrDiagMgr_GetNTCFailed_NTCFailed_Ptr
$Rte_Call_Ap_VehPwrMd_SystemTime_DtrmnElapsedTime_mS_u16(ElapsedTime)$	tgt_Rte_Call_Ap_VehPwrMd_SystemTime_DtrmnElapsedTime_mS_u16_Ela

tgt_VehPwrMd_Per1_CTermActive_Cnt_Igc.value tgt_VehPwrMd_Per1_OperRampRate_XpmS_f32.value

tgt_VehPwrMd_Per1_OperRampValue_Uls_f32.value

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Name	Input Value		
Rte_Call_Ap_VehPwrMd_SystemTime_GetSystemTime_mS_u32(CurrentTime)	tgt_Rte_Call_Ap_VehPwrMd_SystemTime_	GetSystemTime_mS_u32_Curren	
Rte_Inst_Ap_VehPwrMd	tgt_Rte_Inst_Ap_VehPwrMd	-	
Rte_Mode_Ap_VehPwrMd_SystemState_Mode()	2		
k_IGNDiagTime_mS_u16p0	1200		
k_RampDnRt_UlspmS_f32	0.0199999996		
k_RampUpRtLoSpd_UlspmS_f32	0.0500000007		
k_RmpDnAsstVehSpdLimit_Kph_f32	155.199997		
tgt_Rte_Call_Ap_VehPwrMd_EpsEn_OP_GET_signal	Ō		
tgt_Rte_Call_Ap_VehPwrMd_NxtrDiagMgr_GetNTCFailed_NTCFailed_Ptr	0		
tgt_Rte_Call_Ap_VehPwrMd_SystemTime_DtrmnElapsedTime_mS_u16_Ela	1230		
tgt_Rte_Call_Ap_VehPwrMd_SystemTime_GetSystemTime_mS_u32_Curren	89089		
tgt_Rte_Inst_Ap_VehPwrMd.VehPwrMd_Per1_ATermActive_Cnt_Igc	tgt_VehPwrMd_Per1_ATermActive_Cnt_lg	С	
tgt_Rte_Inst_Ap_VehPwrMd.VehPwrMd_Per1_CTermActive_Cnt_lgc	tgt_VehPwrMd_Per1_CTermActive_Cnt_lg	С	
tgt_Rte_Inst_Ap_VehPwrMd.VehPwrMd_Per1_EngONSrlComSvcDft_Cnt_lgc	tgt_VehPwrMd_Per1_EngONSrlComSvcDft_Cnt_lgc		
tgt_Rte_Inst_Ap_VehPwrMd.VehPwrMd_Per1_OperRampRate_XpmS_f32	tgt_VehPwrMd_Per1_OperRampRate_XpmS_f32		
tgt_Rte_Inst_Ap_VehPwrMd.VehPwrMd_Per1_OperRampValue_Uls_f32	tgt_VehPwrMd_Per1_OperRampValue_Uls	s_f32	
tgt_Rte_Inst_Ap_VehPwrMd.VehPwrMd_Per1_SrlComEngOn_Cnt_lgc	tgt_VehPwrMd_Per1_SrlComEngOn_Cnt_l	gc	
tgt_Rte_Inst_Ap_VehPwrMd.VehPwrMd_Per1_SrlComSPMOn_Cnt_lgc	tgt_VehPwrMd_Per1_SrlComSPMOn_Cnt_	_lgc	
tgt_Rte_Inst_Ap_VehPwrMd.VehPwrMd_Per1_VehSpdValid_Cnt_Igc	tgt_VehPwrMd_Per1_VehSpdValid_Cnt_lg	С	
tgt_Rte_Inst_Ap_VehPwrMd.VehPwrMd_Per1_VehSpd_Kph_f32	tgt_VehPwrMd_Per1_VehSpd_Kph_f32		
tgt_VehPwrMd_Per1_EngONSrlComSvcDft_Cnt_lgc.value	1		
tgt_VehPwrMd_Per1_SrlComEngOn_Cnt_lgc.value	0		
tgt_VehPwrMd_Per1_SrlComSPMOn_Cnt_lgc.value	1		
tgt_VehPwrMd_Per1_VehSpdValid_Cnt_lgc.value	1		
tgt_VehPwrMd_Per1_VehSpd_Kph_f32.value	511		
Name	Actual Value	Expected Value	Resul
IGNDiagStartTime_mS_M_u32p0	1234	1234	•
Rte_Call_Ap_VehPwrMd_NxtrDiagMgr_SetNTCStatus(NTC_Cnt_T_enum)	184	184	
Rte_Call_Ap_VehPwrMd_NxtrDiagMgr_SetNTCStatus(Param_Cnt_T_u08)	1	1	
Rte_Call_Ap_VehPwrMd_NxtrDiagMgr_SetNTCStatus(Status_Cnt_T_enum)	1	1	•
tgt_VehPwrMd_Per1_ATermActive_Cnt_lgc.value	0	0	•

Test Step Call Trace				
Actual Function	Count	Expected Function	Count	Result
Rte_Call_Ap_VehPwrMd_EpsEn_OP_GET	1	Rte_Call_Ap_VehPwrMd_EpsEn_OP_GET	1	~
Rte_Call_Ap_VehPwrMd_NxtrDiagMgr_GetNTCFailed	1	Rte_Call_Ap_VehPwrMd_NxtrDiagMgr_GetNTCFailed	1	✓
Rte_Mode_Ap_VehPwrMd_SystemState_Mode	1	Rte_Mode_Ap_VehPwrMd_SystemState_Mode	1	~
IgnFailureDiag	1	IgnFailureDiag	1	✓
Rte_Call_Ap_VehPwrMd_SystemTime_DtrmnElapsedTime_mS_u16	1	Rte_Call_Ap_VehPwrMd_SystemTime_DtrmnElapsedTime_mS_u16	1	•
Rte_Call_Ap_VehPwrMd_NxtrDiagMgr_SetNTCStatus	1	Rte_Call_Ap_VehPwrMd_NxtrDiagMgr_SetNTCStatus	1	•
Rte Call VehPwrMd Per1 CP1 CheckpointReached	1	Rte Call VehPwrMd Per1 CP1 CheckpointReached	1	•

0.0199999996

0

0

0

0.0199999996 ± 0.0001

0 ± 0.00390625

Test Step 3.5 (Repeat Count = 1)	✓
Name	Input Value
IGNDiagStartTime_mS_M_u32p0	645
Rte_Call_Ap_VehPwrMd_EpsEn_OP_GET(signal)	tgt_Rte_Call_Ap_VehPwrMd_EpsEn_OP_GET_signal
Rte_Call_Ap_VehPwrMd_NxtrDiagMgr_GetNTCFailed(NTCFailed_Ptr_T_lgc)	tgt_Rte_Call_Ap_VehPwrMd_NxtrDiagMgr_GetNTCFailed_NTCFailed_Ptr
$Rte_Call_Ap_VehPwrMd_SystemTime_DtrmnElapsedTime_mS_u16(ElapsedTime)$	tgt_Rte_Call_Ap_VehPwrMd_SystemTime_DtrmnElapsedTime_mS_u16_Ela
Rte_Call_Ap_VehPwrMd_SystemTime_GetSystemTime_mS_u32(CurrentTime)	tgt_Rte_Call_Ap_VehPwrMd_SystemTime_GetSystemTime_mS_u32_Curren
Rte_Inst_Ap_VehPwrMd	tgt_Rte_Inst_Ap_VehPwrMd
Rte_Mode_Ap_VehPwrMd_SystemState_Mode()	2
k_IGNDiagTime_mS_u16p0	4500
k_RampDnRt_UlspmS_f32	0.0500000007
k_RampUpRtLoSpd_UlspmS_f32	0.200000003
k_RmpDnAsstVehSpdLimit_Kph_f32	254.100006
tgt_Rte_Call_Ap_VehPwrMd_EpsEn_OP_GET_signal	1
tgt_Rte_Call_Ap_VehPwrMd_NxtrDiagMgr_GetNTCFailed_NTCFailed_Ptr	0
tgt_Rte_Call_Ap_VehPwrMd_SystemTime_DtrmnElapsedTime_mS_u16_Ela	40000
tgt_Rte_Call_Ap_VehPwrMd_SystemTime_GetSystemTime_mS_u32_Curren	1452
tgt_Rte_Inst_Ap_VehPwrMd.VehPwrMd_Per1_ATermActive_Cnt_Igc	tgt_VehPwrMd_Per1_ATermActive_Cnt_lgc
tgt_Rte_Inst_Ap_VehPwrMd.VehPwrMd_Per1_CTermActive_Cnt_lgc	tgt_VehPwrMd_Per1_CTermActive_Cnt_lgc
tgt_Rte_Inst_Ap_VehPwrMd.VehPwrMd_Per1_EngONSrlComSvcDft_Cnt_lgc	tgt_VehPwrMd_Per1_EngONSrlComSvcDft_Cnt_lgc
tgt_Rte_Inst_Ap_VehPwrMd.VehPwrMd_Per1_OperRampRate_XpmS_f32	tgt_VehPwrMd_Per1_OperRampRate_XpmS_f32
tgt_Rte_Inst_Ap_VehPwrMd.VehPwrMd_Per1_OperRampValue_Uls_f32	tgt_VehPwrMd_Per1_OperRampValue_Uls_f32
tgt_Rte_Inst_Ap_VehPwrMd.VehPwrMd_Per1_SrlComEngOn_Cnt_lgc	tgt_VehPwrMd_Per1_SrlComEngOn_Cnt_lgc
tgt_Rte_Inst_Ap_VehPwrMd.VehPwrMd_Per1_SrlComSPMOn_Cnt_lgc	tgt_VehPwrMd_Per1_SrlComSPMOn_Cnt_lgc
tgt_Rte_Inst_Ap_VehPwrMd.VehPwrMd_Per1_VehSpdValid_Cnt_lgc	tgt_VehPwrMd_Per1_VehSpdValid_Cnt_lgc

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VehPwrMd_Per1

Name	Input Value		
tgt_Rte_Inst_Ap_VehPwrMd.VehPwrMd_Per1_VehSpd_Kph_f32	tgt_VehPwrMd_Per1_VehSpd_Kph_f32		
tgt_VehPwrMd_Per1_EngONSrlComSvcDft_Cnt_lgc.value	0		
tgt_VehPwrMd_Per1_SrlComEngOn_Cnt_lgc.value	1		
tgt_VehPwrMd_Per1_SrlComSPMOn_Cnt_lgc.value	0		
tgt_VehPwrMd_Per1_VehSpdValid_Cnt_lgc.value	1		
tgt_VehPwrMd_Per1_VehSpd_Kph_f32.value	250.199997		
Name	Actual Value	Expected Value	Result
IGNDiagStartTime_mS_M_u32p0	1452	1452	~
Rte_Call_Ap_VehPwrMd_NxtrDiagMgr_SetNTCStatus(NTC_Cnt_T_enum)	184	184	•
Rte_Call_Ap_VehPwrMd_NxtrDiagMgr_SetNTCStatus(Param_Cnt_T_u08)	1	1	~
Rte_Call_Ap_VehPwrMd_NxtrDiagMgr_SetNTCStatus(Status_Cnt_T_enum)	0	0	~
tgt_VehPwrMd_Per1_ATermActive_Cnt_lgc.value	1	1	~
tgt_VehPwrMd_Per1_CTermActive_Cnt_lgc.value	1	1	✓
tgt_VehPwrMd_Per1_OperRampRate_XpmS_f32.value	0.200000003	0.200000003 ± 0.0001	~
tgt_VehPwrMd_Per1_OperRampValue_Uls_f32.value	1	1 ± 0.00390625	•

Test Step Call Trace				✓
Actual Function	Count	Expected Function	Count	Result
Rte_Call_Ap_VehPwrMd_EpsEn_OP_GET	1	Rte_Call_Ap_VehPwrMd_EpsEn_OP_GET	1	~
Rte_Call_Ap_VehPwrMd_NxtrDiagMgr_GetNTCFailed	1	Rte_Call_Ap_VehPwrMd_NxtrDiagMgr_GetNTCFailed	1	~
Rte_Mode_Ap_VehPwrMd_SystemState_Mode	1	Rte_Mode_Ap_VehPwrMd_SystemState_Mode	1	~
IgnFailureDiag	1	IgnFailureDiag	1	•
Rte_Call_Ap_VehPwrMd_NxtrDiagMgr_SetNTCStatus	1	Rte_Call_Ap_VehPwrMd_NxtrDiagMgr_SetNTCStatus	1	~
Rte_Call_Ap_VehPwrMd_SystemTime_GetSystemTime_mS_u32	1	Rte_Call_Ap_VehPwrMd_SystemTime_GetSystemTime_mS_u32	1	•
Rte_Call_VehPwrMd_Per1_CP1_CheckpointReached	1	Rte_Call_VehPwrMd_Per1_CP1_CheckpointReached	1	~

Name	Input Value		
	•		
IGNDiagStartTime_mS_M_u32p0	6874	- - · ,	
Rte_Call_Ap_VehPwrMd_EpsEn_OP_GET(signal)	tgt_Rte_Call_Ap_VehPwrMd_EpsEn_OP_Gl	- •	
Rte_Call_Ap_VehPwrMd_NxtrDiagMgr_GetNTCFailed(NTCFailed_Ptr_T_lgc)	tgt_Rte_Call_Ap_VehPwrMd_NxtrDiagMgr_0		
Rte_Call_Ap_VehPwrMd_SystemTime_DtrmnElapsedTime_mS_u16(ElapsedTime)			
Rte_Call_Ap_VehPwrMd_SystemTime_GetSystemTime_mS_u32(CurrentTime)	tgt_Rte_Call_Ap_VehPwrMd_SystemTime_0	SetSystemTime_mS_u32_Curren	
Rte_Inst_Ap_VehPwrMd	tgt_Rte_Inst_Ap_VehPwrMd		
Rte_Mode_Ap_VehPwrMd_SystemState_Mode()	2		
k_IGNDiagTime_mS_u16p0	4500		
k_RampDnRt_UlspmS_f32	2.9999992e-005		
k_RampUpRtLoSpd_UlspmS_f32	0.800000012		
k_RmpDnAsstVehSpdLimit_Kph_f32	125.300003		
tgt_Rte_Call_Ap_VehPwrMd_EpsEn_OP_GET_signal	0		
tgt_Rte_Call_Ap_VehPwrMd_NxtrDiagMgr_GetNTCFailed_NTCFailed_Ptr	1		
tgt_Rte_Call_Ap_VehPwrMd_SystemTime_DtrmnElapsedTime_mS_u16_Ela	55200		
tgt_Rte_Call_Ap_VehPwrMd_SystemTime_GetSystemTime_mS_u32_Curren	1000		
tgt_Rte_Inst_Ap_VehPwrMd.VehPwrMd_Per1_ATermActive_Cnt_Igc	tgt_VehPwrMd_Per1_ATermActive_Cnt_lgc		
tgt_Rte_Inst_Ap_VehPwrMd.VehPwrMd_Per1_CTermActive_Cnt_lgc	tgt_VehPwrMd_Per1_CTermActive_Cnt_lgc		
tgt_Rte_Inst_Ap_VehPwrMd.VehPwrMd_Per1_EngONSrlComSvcDft_Cnt_lgc	tgt_VehPwrMd_Per1_EngONSrlComSvcDft_	Cnt_lgc	
tgt_Rte_Inst_Ap_VehPwrMd.VehPwrMd_Per1_OperRampRate_XpmS_f32	tgt_VehPwrMd_Per1_OperRampRate_XpmS	S_f32	
tgt_Rte_Inst_Ap_VehPwrMd.VehPwrMd_Per1_OperRampValue_Uls_f32	tgt_VehPwrMd_Per1_OperRampValue_Uls_	f32	
tgt_Rte_Inst_Ap_VehPwrMd.VehPwrMd_Per1_SrlComEngOn_Cnt_lgc	tgt_VehPwrMd_Per1_SrlComEngOn_Cnt_lg	c	
tgt_Rte_Inst_Ap_VehPwrMd.VehPwrMd_Per1_SrlComSPMOn_Cnt_Igc	tgt_VehPwrMd_Per1_SrlComSPMOn_Cnt_lo	gc	
tgt_Rte_Inst_Ap_VehPwrMd.VehPwrMd_Per1_VehSpdValid_Cnt_lgc	tgt_VehPwrMd_Per1_VehSpdValid_Cnt_lgc		
tgt_Rte_Inst_Ap_VehPwrMd.VehPwrMd_Per1_VehSpd_Kph_f32	tgt_VehPwrMd_Per1_VehSpd_Kph_f32		
tgt_VehPwrMd_Per1_EngONSrlComSvcDft_Cnt_lgc.value	0		
tgt_VehPwrMd_Per1_SrlComEngOn_Cnt_Igc.value	1		
tgt_VehPwrMd_Per1_SrlComSPMOn_Cnt_lgc.value	0		
tgt_VehPwrMd_Per1_VehSpdValid_Cnt_Igc.value	1		
tgt_VehPwrMd_Per1_VehSpd_Kph_f32.value	40.2000008		
Name	Actual Value	Expected Value	Resu
IGNDiagStartTime mS M u32p0	6874	6874	

Actual Value	Expected Value	Result
6874	6874	~
184	184	~
1	1	~
1	1	~
0	0	~
0	0	~
2.99999992e-005	2.99999992e-005 ± 0.0001	~
0	0 ± 0.00390625	~
	6874 184 1 1 0 0 2.99999992e-005	6874 6874 184 184 1 1 1 1 0 0 0 0 0 2.99999992e-005 2.9999992e-005 ± 0.0001



Test Step Call Trace				
Actual Function	Count	Expected Function	Count	Result
Rte_Call_Ap_VehPwrMd_EpsEn_OP_GET	1	Rte_Call_Ap_VehPwrMd_EpsEn_OP_GET	1	~
Rte_Call_Ap_VehPwrMd_NxtrDiagMgr_GetNTCFailed	1	Rte_Call_Ap_VehPwrMd_NxtrDiagMgr_GetNTCFailed	1	~
Rte_Mode_Ap_VehPwrMd_SystemState_Mode	1	Rte_Mode_Ap_VehPwrMd_SystemState_Mode	1	~
IgnFailureDiag	1	IgnFailureDiag	1	~
Rte_Call_Ap_VehPwrMd_SystemTime_DtrmnElapsedTime_mS_u16	1	Rte_Call_Ap_VehPwrMd_SystemTime_DtrmnElapsedTime_mS_u16	1	~
Rte_Call_Ap_VehPwrMd_NxtrDiagMgr_SetNTCStatus	1	Rte_Call_Ap_VehPwrMd_NxtrDiagMgr_SetNTCStatus	1	~
Rte_Call_VehPwrMd_Per1_CP1_CheckpointReached	1	Rte_Call_VehPwrMd_Per1_CP1_CheckpointReached	1	-

Test Step 3.7 (Repeat Count = 1) Name	Input Value		
IGNDiagStartTime mS M u32p0	6867		
Rte Call Ap VehPwrMd EpsEn OP GET(signal)	gt Rte Call Ap VehPwrMd EpsEn OP GET signal		
Rte_Call_Ap_VenPwiNd_EpsEit_OP_GET(signal) Rte_Call_Ap_VenPwiNd_EpsEit_OP_GET(signal) Rte_Call_Ap_VenPwiNd_EpsEit_OP_GET(signal)	tgt Rte Call Ap VehPwrMd NxtrDiagMgi		
Rte_Call_Ap_VenPwrMd_Inxtribilagwigr_Getiv1CPalled(Iv1CPalled_Ftt_1_igc) Rte_Call_Ap_VenPwrMd_SystemTime_DtrmnElapsedTime mS_u16(ElapsedTime)			
Rte_Call_Ap_VehPwrMd_SystemTime_GetSystemTime_mS_u32(CurrentTime)	tgt_Rte_Call_Ap_VehPwrMd_SystemTime	_GetSystemTime_ms_usz_curren	
Rte_Inst_Ap_VehPwrMd Rte_Mode Ap_VehPwrMd SystemState Mode()	tgt_Rte_Inst_Ap_VehPwrMd 2		
k IGNDiagTime mS u16p0	6500		
	0.200000003		
k_RampDnRt_UlspmS_f32	0.0199999996		
k_RampUpRtLoSpd_UlspmS_f32	0.0199999990		
k_RmpDnAsstVehSpdLimit_Kph_f32	0		
tgt_Rte_Call_Ap_VehPwrMd_EpsEn_OP_GET_signal	1		
tgt_Rte_Call_Ap_VehPwrMd_NxtrDiagMgr_GetNTCFailed_NTCFailed_Ptr	55200		
tgt_Rte_Call_Ap_VehPwrMd_SystemTime_DtrmnElapsedTime_mS_u16_Ela	6874		
tgt_Rte_Call_Ap_VehPwrMd_SystemTime_GetSystemTime_mS_u32_Curren	**		
tgt_Rte_Inst_Ap_VehPwrMd.VehPwrMd_Per1_ATermActive_Cnt_Igc	tgt_VehPwrMd_Per1_ATermActive_Cnt_lgc		
tgt_Rte_Inst_Ap_VehPwrMd_VehPwrMd_Per1_CTermActive_Cnt_Igc	tgt_VehPwrMd_Per1_CTermActive_Cnt_lgc		
tgt_Rte_Inst_Ap_VehPwrMd_VehPwrMd_Per1_EngONSrlComSvcDft_Cnt_lgc	tgt_VehPwrMd_Per1_EngONSrlComSvcDft_Cnt_lgc		
tgt_Rte_Inst_Ap_VehPwrMd_VehPwrMd_Per1_OperRampRate_XpmS_f32	tgt_VehPwrMd_Per1_OperRampRate_Xpi	_	
tgt_Rte_Inst_Ap_VehPwrMd_VehPwrMd_Per1_OperRampValue_Uls_f32	tgt_VehPwrMd_Per1_OperRampValue_UI	_	
tgt_Rte_Inst_Ap_VehPwrMd_VehPwrMd_Per1_SrlComEngOn_Cnt_Igc	tgt_VehPwrMd_Per1_SrlComEngOn_Cnt_		
tgt_Rte_Inst_Ap_VehPwrMd_VehPwrMd_Per1_SrlComSPMOn_Cnt_lgc	tgt_VehPwrMd_Per1_SrlComSPMOn_Cnt		
tgt_Rte_Inst_Ap_VehPwrMd.VehPwrMd_Per1_VehSpdValid_Cnt_Igc	tgt_VehPwrMd_Per1_VehSpdValid_Cnt_lg	jc	
tgt_Rte_Inst_Ap_VehPwrMd.VehPwrMd_Per1_VehSpd_Kph_f32	tgt_VehPwrMd_Per1_VehSpd_Kph_f32		
tgt_VehPwrMd_Per1_EngONSrlComSvcDft_Cnt_lgc.value	0		
tgt_VehPwrMd_Per1_SrlComEngOn_Cnt_lgc.value	0		
tgt_VehPwrMd_Per1_SrlComSPMOn_Cnt_lgc.value	1		
tgt_VehPwrMd_Per1_VehSpdValid_Cnt_lgc.value	0		
tgt_VehPwrMd_Per1_VehSpd_Kph_f32.value	350.200012		
Name	Actual Value	Expected Value	Resul
IGNDiagStartTime_mS_M_u32p0	6867	6867	•
Rte_Call_Ap_VehPwrMd_NxtrDiagMgr_SetNTCStatus(NTC_Cnt_T_enum)	184	184	,
Rte_Call_Ap_VehPwrMd_NxtrDiagMgr_SetNTCStatus(Param_Cnt_T_u08)	1	1	
Rte_Call_Ap_VehPwrMd_NxtrDiagMgr_SetNTCStatus(Status_Cnt_T_enum)	1	1	•
tgt_VehPwrMd_Per1_ATermActive_Cnt_Igc.value	1	1	•
tgt_VehPwrMd_Per1_CTermActive_Cnt_Igc.value	1	1	•
tgt_VehPwrMd_Per1_OperRampRate_XpmS_f32.value	0.0199999996	0.0199999996 ± 0.0001	•

Test Step Call Trace				V
Actual Function	Count	Expected Function	Count	Result
Rte_Call_Ap_VehPwrMd_EpsEn_OP_GET	1	Rte_Call_Ap_VehPwrMd_EpsEn_OP_GET	1	~
Rte_Call_Ap_VehPwrMd_NxtrDiagMgr_GetNTCFailed	1	Rte_Call_Ap_VehPwrMd_NxtrDiagMgr_GetNTCFailed	1	✓
Rte_Mode_Ap_VehPwrMd_SystemState_Mode	1	Rte_Mode_Ap_VehPwrMd_SystemState_Mode	1	~
IgnFailureDiag	1	IgnFailureDiag	1	~
Rte_Call_Ap_VehPwrMd_SystemTime_DtrmnElapsedTime_mS_u16	1	Rte_Call_Ap_VehPwrMd_SystemTime_DtrmnElapsedTime_mS_u16	1	~
Rte_Call_Ap_VehPwrMd_NxtrDiagMgr_SetNTCStatus	1	Rte_Call_Ap_VehPwrMd_NxtrDiagMgr_SetNTCStatus	1	~
Rte_Call_VehPwrMd_Per1_CP1_CheckpointReached	1	Rte_Call_VehPwrMd_Per1_CP1_CheckpointReached	1	~

Test Step 3.8 (Repeat Count = 1)			
Name	Input Value		
IGNDiagStartTime_mS_M_u32p0	8888		
Rte_Call_Ap_VehPwrMd_EpsEn_OP_GET(signal)	tgt_Rte_Call_Ap_VehPwrMd_EpsEn_OP_GET_signal		
Rte_Call_Ap_VehPwrMd_NxtrDiagMgr_GetNTCFailed(NTCFailed_Ptr_T_lgc)	tgt_Rte_Call_Ap_VehPwrMd_NxtrDiagMgr_GetNTCFailed_NTCFailed_Ptr		
$Rte_Call_Ap_VehPwrMd_SystemTime_DtrmnElapsedTime_mS_u16(ElapsedTime)$	tgt_Rte_Call_Ap_VehPwrMd_SystemTime_DtrmnElapsedTime_mS_u16_Ela		

 $\label{total_persum} $$ tgt_VehPwrMd_Per1_OperRampRate_XpmS_f32.value $$ tgt_VehPwrMd_Per1_OperRampValue_Uls_f32.value $$ tgt_VehPwrMd_Per1_OperRampValue $$ tgt_$

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VehPwrMd_Per1

Name	Input Value			
Rte_Call_Ap_VehPwrMd_SystemTime_GetSystemTime_mS_u32(CurrentTime)	· ·	tgt_Rte_Call_Ap_VehPwrMd_SystemTime_GetSystemTime_mS_u32_Curren		
Rte Inst Ap VehPwrMd	tgt Rte Inst Ap VehPwrMd			
Rte Mode Ap VehPwrMd SystemState Mode()	2			
k_IGNDiagTime_mS_u16p0	250			
k RampDnRt UlspmS f32	1			
k RampUpRtLoSpd UlspmS f32	0.899999976			
k RmpDnAsstVehSpdLimit Kph f32	254.100006			
tgt Rte Call Ap VehPwrMd EpsEn OP GET signal	1			
tgt_Rte_Call_Ap_VehPwrMd_NxtrDiagMgr_GetNTCFailed_NTCFailed_Ptr	1			
tgt Rte Call Ap VehPwrMd SystemTime DtrmnElapsedTime mS u16 Ela	1230			
tgt Rte Call Ap VehPwrMd SystemTime GetSystemTime mS u32 Curren	1234			
tgt Rte Inst Ap VehPwrMd.VehPwrMd Per1 ATermActive Cnt Igc	tgt VehPwrMd Per1 ATermActive Cnt Igo	С		
tgt Rte Inst Ap VehPwrMd.VehPwrMd Per1 CTermActive Cnt Igc	tgt VehPwrMd Per1 CTermActive Cnt Igc			
tgt Rte Inst Ap VehPwrMd.VehPwrMd Per1 EngONSrlComSvcDft Cnt Igc	tgt VehPwrMd Per1 EngONSrlComSvcDft Cnt lgc			
tgt_Rte_Inst_Ap_VehPwrMd.VehPwrMd_Per1_OperRampRate_XpmS_f32	tgt VehPwrMd Per1 OperRampRate XpmS f32			
tgt Rte Inst Ap VehPwrMd.VehPwrMd Per1 OperRampValue Uls f32	tgt VehPwrMd Per1 OperRampValue Uls f32			
tgt_Rte_Inst_Ap_VehPwrMd.VehPwrMd_Per1_SrlComEngOn_Cnt_lgc	tgt_VehPwrMd_Per1_SrlComEngOn_Cnt_I	gc		
tgt_Rte_Inst_Ap_VehPwrMd.VehPwrMd_Per1_SrlComSPMOn_Cnt_Igc	tgt_VehPwrMd_Per1_SrlComSPMOn_Cnt_	lgc		
tgt_Rte_Inst_Ap_VehPwrMd.VehPwrMd_Per1_VehSpdValid_Cnt_Igc	tgt_VehPwrMd_Per1_VehSpdValid_Cnt_lg	С		
tgt_Rte_Inst_Ap_VehPwrMd.VehPwrMd_Per1_VehSpd_Kph_f32	tgt_VehPwrMd_Per1_VehSpd_Kph_f32			
tgt_VehPwrMd_Per1_EngONSrlComSvcDft_Cnt_lgc.value	0			
tgt_VehPwrMd_Per1_SrlComEngOn_Cnt_lgc.value	0			
tgt_VehPwrMd_Per1_SrlComSPMOn_Cnt_lgc.value	1			
tgt_VehPwrMd_Per1_VehSpdValid_Cnt_lgc.value	1			
tgt_VehPwrMd_Per1_VehSpd_Kph_f32.value	112.199997			
Name	Actual Value	Expected Value	Resul	
IGNDiagStartTime mS M u32p0	1234	1234		
Rte Call Ap VehPwrMd NxtrDiagMgr SetNTCStatus(NTC Cnt T enum)	184	184		
Rte_Call_Ap_VehPwrMd_NxtrDiagMgr_SetNTCStatus(Param_Cnt_T_u08)	1	1		
Rte_Call_Ap_VehPwrMd_NxtrDiagMgr_SetNTCStatus(Status_Cnt_T_enum)	0	0		
tgt_VehPwrMd_Per1_ATermActive_Cnt_lgc.value	1	1		
tgt_VehPwrMd_Per1_CTermActive_Cnt_lgc.value	0	0		
tet VehDurMd Dard OnerDemoDate VemC 622 value	4	4 + 0 0004		

Test Step Call Trace				
Actual Function	Count	Expected Function	Count	Result
Rte_Call_Ap_VehPwrMd_EpsEn_OP_GET	1	Rte_Call_Ap_VehPwrMd_EpsEn_OP_GET	1	~
Rte_Call_Ap_VehPwrMd_NxtrDiagMgr_GetNTCFailed	1	Rte_Call_Ap_VehPwrMd_NxtrDiagMgr_GetNTCFailed	1	~
Rte_Mode_Ap_VehPwrMd_SystemState_Mode	1	Rte_Mode_Ap_VehPwrMd_SystemState_Mode	1	~
IgnFailureDiag	1	IgnFailureDiag	1	~
Rte_Call_Ap_VehPwrMd_NxtrDiagMgr_SetNTCStatus	1	Rte_Call_Ap_VehPwrMd_NxtrDiagMgr_SetNTCStatus	1	~
Rte_Call_Ap_VehPwrMd_SystemTime_GetSystemTime_mS_u32	1	Rte_Call_Ap_VehPwrMd_SystemTime_GetSystemTime_mS_u32	1	~
Rte Call VehPwrMd Per1 CP1 CheckpointReached	1	Rte Call VehPwrMd Per1 CP1 CheckpointReached	1	_

1 ± 0.0001

0 ± 0.00390625

Test Step 3.9 (Repeat Count = 1)	✓
Name	Input Value
IGNDiagStartTime_mS_M_u32p0	1234
Rte_Call_Ap_VehPwrMd_EpsEn_OP_GET(signal)	tgt_Rte_Call_Ap_VehPwrMd_EpsEn_OP_GET_signal
Rte_Call_Ap_VehPwrMd_NxtrDiagMgr_GetNTCFailed(NTCFailed_Ptr_T_lgc)	tgt_Rte_Call_Ap_VehPwrMd_NxtrDiagMgr_GetNTCFailed_NTCFailed_Ptr
$Rte_Call_Ap_VehPwrMd_SystemTime_DtrmnElapsedTime_mS_u16(ElapsedTime)$	tgt_Rte_Call_Ap_VehPwrMd_SystemTime_DtrmnElapsedTime_mS_u16_Ela
Rte_Call_Ap_VehPwrMd_SystemTime_GetSystemTime_mS_u32(CurrentTime)	tgt_Rte_Call_Ap_VehPwrMd_SystemTime_GetSystemTime_mS_u32_Curren
Rte_Inst_Ap_VehPwrMd	tgt_Rte_Inst_Ap_VehPwrMd
Rte_Mode_Ap_VehPwrMd_SystemState_Mode()	2
k_IGNDiagTime_mS_u16p0	1200
k_RampDnRt_UlspmS_f32	0.40000006
k_RampUpRtLoSpd_UlspmS_f32	1
k_RmpDnAsstVehSpdLimit_Kph_f32	112.199997
tgt_Rte_Call_Ap_VehPwrMd_EpsEn_OP_GET_signal	1
tgt_Rte_Call_Ap_VehPwrMd_NxtrDiagMgr_GetNTCFailed_NTCFailed_Ptr	0
tgt_Rte_Call_Ap_VehPwrMd_SystemTime_DtrmnElapsedTime_mS_u16_Ela	35000
tgt_Rte_Call_Ap_VehPwrMd_SystemTime_GetSystemTime_mS_u32_Curren	89089
tgt_Rte_Inst_Ap_VehPwrMd.VehPwrMd_Per1_ATermActive_Cnt_Igc	tgt_VehPwrMd_Per1_ATermActive_Cnt_lgc
tgt_Rte_Inst_Ap_VehPwrMd.VehPwrMd_Per1_CTermActive_Cnt_Igc	tgt_VehPwrMd_Per1_CTermActive_Cnt_lgc
tgt_Rte_Inst_Ap_VehPwrMd.VehPwrMd_Per1_EngONSrlComSvcDft_Cnt_lgc	tgt_VehPwrMd_Per1_EngONSrlComSvcDft_Cnt_lgc
tgt_Rte_Inst_Ap_VehPwrMd.VehPwrMd_Per1_OperRampRate_XpmS_f32	tgt_VehPwrMd_Per1_OperRampRate_XpmS_f32
tgt_Rte_Inst_Ap_VehPwrMd.VehPwrMd_Per1_OperRampValue_Uls_f32	tgt_VehPwrMd_Per1_OperRampValue_Uls_f32
tgt_Rte_Inst_Ap_VehPwrMd.VehPwrMd_Per1_SrlComEngOn_Cnt_lgc	tgt_VehPwrMd_Per1_SrlComEngOn_Cnt_lgc
tgt_Rte_Inst_Ap_VehPwrMd.VehPwrMd_Per1_SrlComSPMOn_Cnt_lgc	tgt_VehPwrMd_Per1_SrlComSPMOn_Cnt_lgc
tgt_Rte_Inst_Ap_VehPwrMd.VehPwrMd_Per1_VehSpdValid_Cnt_lgc	tgt_VehPwrMd_Per1_VehSpdValid_Cnt_lgc

 $tgt_VehPwrMd_Per1_ATermActive_Cnt_lgc.value\\ tgt_VehPwrMd_Per1_CTermActive_Cnt_lgc.value\\$

tgt_VehPwrMd_Per1_OperRampRate_XpmS_f32.value

tgt_VehPwrMd_Per1_OperRampValue_Uls_f32.value

 $Rte_Call_Ap_VehPwrMd_NxtrDiagMgr_SetNTCStatus(Status_Cnt_T_enum)$

VehPwrMd Per1

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Input Value tgt_Rte_Inst_Ap_VehPwrMd.VehPwrMd_Per1_VehSpd_Kph_f32 tgt_VehPwrMd_Per1_VehSpd_Kph_f32 $tgt_VehPwrMd_Per1_EngONSrlComSvcDft_Cnt_lgc.value$ tgt_VehPwrMd_Per1_SrlComEngOn_Cnt_lgc.value 0 $tgt_VehPwrMd_Per1_SrlComSPMOn_Cnt_lgc.value$ tgt_VehPwrMd_Per1_VehSpdValid_Cnt_lgc.value 1 tgt_VehPwrMd_Per1_VehSpd_Kph_f32.value 140.5 Actual Value **Expected Value** Name Result IGNDiagStartTime_mS_M_u32p0 89089 89089 Rte_Call_Ap_VehPwrMd_NxtrDiagMgr_SetNTCStatus(NTC_Cnt_T_enum) 184 184 Rte_Call_Ap_VehPwrMd_NxtrDiagMgr_SetNTCStatus(Param_Cnt_T_u08)

0

1

0.75 ± 0.0001

1 ± 0.00390625

1 ± 0.0001

1 ± 0.00390625

0

1

Test Step Call Trace				✓
Actual Function	Count	Expected Function	Count	Result
Rte_Call_Ap_VehPwrMd_EpsEn_OP_GET	1	Rte_Call_Ap_VehPwrMd_EpsEn_OP_GET	1	~
Rte_Call_Ap_VehPwrMd_NxtrDiagMgr_GetNTCFailed	1	Rte_Call_Ap_VehPwrMd_NxtrDiagMgr_GetNTCFailed	1	~
Rte_Mode_Ap_VehPwrMd_SystemState_Mode	1	Rte_Mode_Ap_VehPwrMd_SystemState_Mode	1	~
IgnFailureDiag	1	IgnFailureDiag	1	~
Rte_Call_Ap_VehPwrMd_NxtrDiagMgr_SetNTCStatus	1	Rte_Call_Ap_VehPwrMd_NxtrDiagMgr_SetNTCStatus	1	~
Rte_Call_Ap_VehPwrMd_SystemTime_GetSystemTime_mS_u32	1	Rte_Call_Ap_VehPwrMd_SystemTime_GetSystemTime_mS_u32	1	~
Rte_Call_VehPwrMd_Per1_CP1_CheckpointReached	1	Rte_Call_VehPwrMd_Per1_CP1_CheckpointReached	1	~

Test Step 3.10 (Repeat Count = 1)			•
Name	Input Value		
IGNDiagStartTime_mS_M_u32p0	1452		
Rte_Call_Ap_VehPwrMd_EpsEn_OP_GET(signal)	tgt_Rte_Call_Ap_VehPwrMd_EpsEn_OP_GE	ET_signal	
Rte_Call_Ap_VehPwrMd_NxtrDiagMgr_GetNTCFailed(NTCFailed_Ptr_T_lgc)	tgt_Rte_Call_Ap_VehPwrMd_NxtrDiagMgr_0	GetNTCFailed_NTCFailed_Ptr	
Rte_Call_Ap_VehPwrMd_SystemTime_DtrmnElapsedTime_mS_u16(ElapsedTime)	tgt_Rte_Call_Ap_VehPwrMd_SystemTime_D	0trmnElapsedTime_mS_u16_Ela	
Rte_Call_Ap_VehPwrMd_SystemTime_GetSystemTime_mS_u32(CurrentTime)	tgt_Rte_Call_Ap_VehPwrMd_SystemTime_G	GetSystemTime_mS_u32_Curren	
Rte_Inst_Ap_VehPwrMd	tgt_Rte_Inst_Ap_VehPwrMd		
Rte_Mode_Ap_VehPwrMd_SystemState_Mode()	3		
k_IGNDiagTime_mS_u16p0	7500		
k_RampDnRt_UlspmS_f32	0.0500000007		
k_RampUpRtLoSpd_UlspmS_f32	0.75		
k_RmpDnAsstVehSpdLimit_Kph_f32	120.5		
tgt_Rte_Call_Ap_VehPwrMd_EpsEn_OP_GET_signal	0		
gt_Rte_Call_Ap_VehPwrMd_NxtrDiagMgr_GetNTCFailed_NTCFailed_Ptr	0		
gt_Rte_Call_Ap_VehPwrMd_SystemTime_DtrmnElapsedTime_mS_u16_Ela	41250		
gt_Rte_Call_Ap_VehPwrMd_SystemTime_GetSystemTime_mS_u32_Curren	9999		
gt_Rte_Inst_Ap_VehPwrMd.VehPwrMd_Per1_ATermActive_Cnt_Igc	tgt_VehPwrMd_Per1_ATermActive_Cnt_lgc		
tgt_Rte_Inst_Ap_VehPwrMd.VehPwrMd_Per1_CTermActive_Cnt_lgc	tgt_VehPwrMd_Per1_CTermActive_Cnt_lgc		
tgt_Rte_Inst_Ap_VehPwrMd.VehPwrMd_Per1_EngONSrlComSvcDft_Cnt_lgc	tgt_VehPwrMd_Per1_EngONSrlComSvcDft_	Cnt_lgc	
tgt_Rte_Inst_Ap_VehPwrMd.VehPwrMd_Per1_OperRampRate_XpmS_f32	tgt_VehPwrMd_Per1_OperRampRate_XpmS	S_f32	
gt_Rte_Inst_Ap_VehPwrMd.VehPwrMd_Per1_OperRampValue_Uls_f32	tgt_VehPwrMd_Per1_OperRampValue_Uls_	f32	
gt_Rte_Inst_Ap_VehPwrMd.VehPwrMd_Per1_SrlComEngOn_Cnt_lgc	tgt_VehPwrMd_Per1_SrlComEngOn_Cnt_lgd		
gt_Rte_Inst_Ap_VehPwrMd.VehPwrMd_Per1_SrlComSPMOn_Cnt_Igc	tgt_VehPwrMd_Per1_SrlComSPMOn_Cnt_lg	jc	
gt_Rte_Inst_Ap_VehPwrMd.VehPwrMd_Per1_VehSpdValid_Cnt_lgc	tgt_VehPwrMd_Per1_VehSpdValid_Cnt_lgc		
gt_Rte_Inst_Ap_VehPwrMd.VehPwrMd_Per1_VehSpd_Kph_f32	tgt_VehPwrMd_Per1_VehSpd_Kph_f32		
gt_VehPwrMd_Per1_EngONSrlComSvcDft_Cnt_lgc.value	0		
gt_VehPwrMd_Per1_SrlComEngOn_Cnt_lgc.value	1		
gt_VehPwrMd_Per1_SrlComSPMOn_Cnt_lgc.value	1		
gt_VehPwrMd_Per1_VehSpdValid_Cnt_lgc.value	0		
tgt_VehPwrMd_Per1_VehSpd_Kph_f32.value	250.5		
Name	Actual Value	Expected Value	Resu
IGNDiagStartTime_mS_M_u32p0	1452	1452	
Rte_Call_Ap_VehPwrMd_NxtrDiagMgr_SetNTCStatus(NTC_Cnt_T_enum)	184	184	
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0.75

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tgt_VehPwrMd_Per1_ATermActive_Cnt_lgc.value tgt_VehPwrMd_Per1_CTermActive_Cnt_lgc.value

 $tgt_VehPwrMd_Per1_OperRampRate_XpmS_f32.value$

tgt_VehPwrMd_Per1_OperRampValue_Uls_f32.value

Rte_Call_Ap_VehPwrMd_NxtrDiagMgr_SetNTCStatus(Param_Cnt_T_u08)
Rte_Call_Ap_VehPwrMd_NxtrDiagMgr_SetNTCStatus(Status_Cnt_T_enum)



Test Step Call Trace					
Actual Function	Count	Expected Function	Count	Result	
Rte_Call_Ap_VehPwrMd_EpsEn_OP_GET	1	Rte_Call_Ap_VehPwrMd_EpsEn_OP_GET	1	~	
Rte_Call_Ap_VehPwrMd_NxtrDiagMgr_GetNTCFailed	1	Rte_Call_Ap_VehPwrMd_NxtrDiagMgr_GetNTCFailed	1	~	
Rte_Mode_Ap_VehPwrMd_SystemState_Mode	1	Rte_Mode_Ap_VehPwrMd_SystemState_Mode	1	-	
IgnFailureDiag	1	IgnFailureDiag	1	~	
Rte_Call_Ap_VehPwrMd_SystemTime_DtrmnElapsedTime_mS_u16	1	Rte_Call_Ap_VehPwrMd_SystemTime_DtrmnElapsedTime_mS_u16	1	~	
Rte_Call_Ap_VehPwrMd_NxtrDiagMgr_SetNTCStatus	1	Rte_Call_Ap_VehPwrMd_NxtrDiagMgr_SetNTCStatus	1	~	
Rte_Call_VehPwrMd_Per1_CP1_CheckpointReached	1	Rte_Call_VehPwrMd_Per1_CP1_CheckpointReached	1	~	

Test Step 3.11 (Repeat Count = 1)				
Name	Input Value			
IGNDiagStartTime_mS_M_u32p0	1000			
Rte_Call_Ap_VehPwrMd_EpsEn_OP_GET(signal)	tgt_Rte_Call_Ap_VehPwrMd_EpsEn_OP_0	gt_Rte_Call_Ap_VehPwrMd_EpsEn_OP_GET_signal		
Rte_Call_Ap_VehPwrMd_NxtrDiagMgr_GetNTCFailed(NTCFailed_Ptr_T_lgc)	tgt_Rte_Call_Ap_VehPwrMd_NxtrDiagMgr	_GetNTCFailed_NTCFailed_Ptr		
$Rte_Call_Ap_VehPwrMd_SystemTime_DtrmnElapsedTime_mS_u16 (ElapsedTime_mS_u16 (Elapsed$	e) tgt_Rte_Call_Ap_VehPwrMd_SystemTime	_DtrmnElapsedTime_mS_u16_Ela		
Rte_Call_Ap_VehPwrMd_SystemTime_GetSystemTime_mS_u32(CurrentTime)	tgt_Rte_Call_Ap_VehPwrMd_SystemTime	_GetSystemTime_mS_u32_Curren		
Rte_Inst_Ap_VehPwrMd	tgt_Rte_Inst_Ap_VehPwrMd			
Rte_Mode_Ap_VehPwrMd_SystemState_Mode()	2			
k_IGNDiagTime_mS_u16p0	2500			
k_RampDnRt_UlspmS_f32	0.89999976			
k_RampUpRtLoSpd_UlspmS_f32	0.0199999996			
k_RmpDnAsstVehSpdLimit_Kph_f32	140.5			
tgt_Rte_Call_Ap_VehPwrMd_EpsEn_OP_GET_signal	1			
tgt_Rte_Call_Ap_VehPwrMd_NxtrDiagMgr_GetNTCFailed_NTCFailed_Ptr	1			
tgt_Rte_Call_Ap_VehPwrMd_SystemTime_DtrmnElapsedTime_mS_u16_Ela	2300			
tgt_Rte_Call_Ap_VehPwrMd_SystemTime_GetSystemTime_mS_u32_Curren	6867			
tgt_Rte_Inst_Ap_VehPwrMd.VehPwrMd_Per1_ATermActive_Cnt_Igc	tgt_VehPwrMd_Per1_ATermActive_Cnt_lgc			
tgt_Rte_Inst_Ap_VehPwrMd.VehPwrMd_Per1_CTermActive_Cnt_lgc	tgt_VehPwrMd_Per1_CTermActive_Cnt_lgc			
tgt_Rte_Inst_Ap_VehPwrMd.VehPwrMd_Per1_EngONSrlComSvcDft_Cnt_lgc	tgt_VehPwrMd_Per1_EngONSrlComSvcDft_Cnt_lgc			
tgt_Rte_Inst_Ap_VehPwrMd.VehPwrMd_Per1_OperRampRate_XpmS_f32	tgt_VehPwrMd_Per1_OperRampRate_Xpn	nS_f32		
tgt_Rte_Inst_Ap_VehPwrMd.VehPwrMd_Per1_OperRampValue_Uls_f32	tgt_VehPwrMd_Per1_OperRampValue_Uls	_f32		
tgt_Rte_Inst_Ap_VehPwrMd.VehPwrMd_Per1_SrlComEngOn_Cnt_lgc	tgt_VehPwrMd_Per1_SrlComEngOn_Cnt_l	gc		
tgt_Rte_Inst_Ap_VehPwrMd.VehPwrMd_Per1_SrlComSPMOn_Cnt_lgc	tgt_VehPwrMd_Per1_SrlComSPMOn_Cnt_	lgc		
tgt_Rte_Inst_Ap_VehPwrMd.VehPwrMd_Per1_VehSpdValid_Cnt_lgc	tgt_VehPwrMd_Per1_VehSpdValid_Cnt_lg	С		
tgt_Rte_Inst_Ap_VehPwrMd.VehPwrMd_Per1_VehSpd_Kph_f32	tgt_VehPwrMd_Per1_VehSpd_Kph_f32			
tgt_VehPwrMd_Per1_EngONSrlComSvcDft_Cnt_lgc.value	0			
tgt_VehPwrMd_Per1_SrlComEngOn_Cnt_lgc.value	1			
tgt_VehPwrMd_Per1_SrlComSPMOn_Cnt_lgc.value	0			
tgt_VehPwrMd_Per1_VehSpdValid_Cnt_lgc.value	0			
tgt_VehPwrMd_Per1_VehSpd_Kph_f32.value	0			
Name	Actual Value	Expected Value	Resu	
IGNDiagStartTime_mS_M_u32p0	6867	6867		
Rte_Call_Ap_VehPwrMd_NxtrDiagMgr_SetNTCStatus(NTC_Cnt_T_enum)	184	184		
Rte_Call_Ap_VehPwrMd_NxtrDiagMgr_SetNTCStatus(Param_Cnt_T_u08)	1	1		
Rte Call Ap VehPwrMd NxtrDiagMgr SetNTCStatus(Status Cnt T enum)	0	0		
tgt VehPwrMd Per1 ATermActive Cnt Igc.value	1	1		
tgt VehPwrMd Per1 CTermActive Cnt Igc.value	0	0		
tgt_VehPwrMd_Per1_OperRampRate_XpmS_f32.value	0.89999976	0.899999976 ± 0.0001		
tgt VehPwrMd Per1 OperRampValue Uls f32.value	0	0 ± 0.00390625		

Test Step Call Trace				
Actual Function	Count	Expected Function	Count	Result
Rte_Call_Ap_VehPwrMd_EpsEn_OP_GET	1	Rte_Call_Ap_VehPwrMd_EpsEn_OP_GET	1	~
Rte_Call_Ap_VehPwrMd_NxtrDiagMgr_GetNTCFailed	1	Rte_Call_Ap_VehPwrMd_NxtrDiagMgr_GetNTCFailed	1	✓
Rte_Mode_Ap_VehPwrMd_SystemState_Mode	1	Rte_Mode_Ap_VehPwrMd_SystemState_Mode	1	~
IgnFailureDiag	1	IgnFailureDiag	1	•
Rte_Call_Ap_VehPwrMd_NxtrDiagMgr_SetNTCStatus	1	Rte_Call_Ap_VehPwrMd_NxtrDiagMgr_SetNTCStatus	1	~
Rte_Call_Ap_VehPwrMd_SystemTime_GetSystemTime_mS_u32	1	Rte_Call_Ap_VehPwrMd_SystemTime_GetSystemTime_mS_u32	1	~
Rte_Call_VehPwrMd_Per1_CP1_CheckpointReached	1	Rte_Call_VehPwrMd_Per1_CP1_CheckpointReached	1	~

Test Step 3.12 (Repeat Count = 1)		~
Name	Input Value	
IGNDiagStartTime_mS_M_u32p0	1000	
Rte_Call_Ap_VehPwrMd_EpsEn_OP_GET(signal)	tgt_Rte_Call_Ap_VehPwrMd_EpsEn_OP_GET_signal	
Rte_Call_Ap_VehPwrMd_NxtrDiagMgr_GetNTCFailed(NTCFailed_Ptr_T_lgc)	tgt_Rte_Call_Ap_VehPwrMd_NxtrDiagMgr_GetNTCFailed_NTCFailed_Ptr	
$Rte_Call_Ap_VehPwrMd_SystemTime_DtrmnElapsedTime_mS_u16(ElapsedTime)$	tgt_Rte_Call_Ap_VehPwrMd_SystemTime_DtrmnElapsedTime_mS_u16_Ela	

tgt_VehPwrMd_Per1_OperRampRate_XpmS_f32.value tgt_VehPwrMd_Per1_OperRampValue_Uls_f32.value

VehPwrMd_Per1

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0.0199999996 ± 0.0001

1 ± 0.00390625

Name	Input Value		
Rte_Call_Ap_VehPwrMd_SystemTime_GetSystemTime_mS_u32(CurrentTime)	tgt_Rte_Call_Ap_VehPwrMd_SystemTime_GetSystemTime_mS_u32_Curren		
Rte_Inst_Ap_VehPwrMd	tgt_Rte_Inst_Ap_VehPwrMd	tgt_Rte_Inst_Ap_VehPwrMd	
Rte_Mode_Ap_VehPwrMd_SystemState_Mode()	2		
k_IGNDiagTime_mS_u16p0	2500		
k_RampDnRt_UlspmS_f32	0.89999976		
k_RampUpRtLoSpd_UlspmS_f32	0.0199999996		
k_RmpDnAsstVehSpdLimit_Kph_f32	140.5		
tgt_Rte_Call_Ap_VehPwrMd_EpsEn_OP_GET_signal	1		
tgt_Rte_Call_Ap_VehPwrMd_NxtrDiagMgr_GetNTCFailed_NTCFailed_Ptr	1		
tgt_Rte_Call_Ap_VehPwrMd_SystemTime_DtrmnElapsedTime_mS_u16_Ela	2300		
tgt_Rte_Call_Ap_VehPwrMd_SystemTime_GetSystemTime_mS_u32_Curren	6867		
tgt_Rte_Inst_Ap_VehPwrMd.VehPwrMd_Per1_ATermActive_Cnt_Igc	tgt_VehPwrMd_Per1_ATermActive_Cnt_lgc		
tgt_Rte_Inst_Ap_VehPwrMd.VehPwrMd_Per1_CTermActive_Cnt_lgc	tgt_VehPwrMd_Per1_CTermActive_Cnt_lgc	:	
tgt_Rte_Inst_Ap_VehPwrMd.VehPwrMd_Per1_EngONSrlComSvcDft_Cnt_lgc	tgt_VehPwrMd_Per1_EngONSrlComSvcDft	_Cnt_lgc	
tgt_Rte_Inst_Ap_VehPwrMd.VehPwrMd_Per1_OperRampRate_XpmS_f32	tgt_VehPwrMd_Per1_OperRampRate_Xpm	S_f32	
tgt_Rte_Inst_Ap_VehPwrMd.VehPwrMd_Per1_OperRampValue_Uls_f32	tgt_VehPwrMd_Per1_OperRampValue_Uls_f32		
tgt_Rte_Inst_Ap_VehPwrMd.VehPwrMd_Per1_SrlComEngOn_Cnt_lgc	tgt_VehPwrMd_Per1_SrlComEngOn_Cnt_lgc		
tgt_Rte_Inst_Ap_VehPwrMd.VehPwrMd_Per1_SrlComSPMOn_Cnt_lgc	tgt_VehPwrMd_Per1_SrlComSPMOn_Cnt_lgc		
tgt_Rte_Inst_Ap_VehPwrMd.VehPwrMd_Per1_VehSpdValid_Cnt_Igc	tgt_VehPwrMd_Per1_VehSpdValid_Cnt_lgc		
tgt_Rte_Inst_Ap_VehPwrMd.VehPwrMd_Per1_VehSpd_Kph_f32	tgt_VehPwrMd_Per1_VehSpd_Kph_f32		
tgt_VehPwrMd_Per1_EngONSrlComSvcDft_Cnt_lgc.value	0		
tgt_VehPwrMd_Per1_SrlComEngOn_Cnt_lgc.value	1		
tgt_VehPwrMd_Per1_SrlComSPMOn_Cnt_lgc.value	0		
tgt_VehPwrMd_Per1_VehSpdValid_Cnt_lgc.value	1		
tgt_VehPwrMd_Per1_VehSpd_Kph_f32.value	255		
Name	Actual Value	Expected Value	Resul
IGNDiagStartTime_mS_M_u32p0	6867	6867	•
Rte_Call_Ap_VehPwrMd_NxtrDiagMgr_SetNTCStatus(NTC_Cnt_T_enum)	184	184	•
Rte_Call_Ap_VehPwrMd_NxtrDiagMgr_SetNTCStatus(Param_Cnt_T_u08)	1 1		•
Rte_Call_Ap_VehPwrMd_NxtrDiagMgr_SetNTCStatus(Status_Cnt_T_enum)	0 0		•
tgt_VehPwrMd_Per1_ATermActive_Cnt_lgc.value	1	1	•
tgt_VehPwrMd_Per1_CTermActive_Cnt_lgc.value	1	1	,
test Veh Drughted Dord On or Down Date Venn C 622 value	0.040000000	0.0400000000 + 0.0004	

Test Step Call Trace				✓
Actual Function	Count	Expected Function	Count	Result
Rte_Call_Ap_VehPwrMd_EpsEn_OP_GET	1	Rte_Call_Ap_VehPwrMd_EpsEn_OP_GET	1	~
Rte_Call_Ap_VehPwrMd_NxtrDiagMgr_GetNTCFailed	1	Rte_Call_Ap_VehPwrMd_NxtrDiagMgr_GetNTCFailed	1	✓
Rte_Mode_Ap_VehPwrMd_SystemState_Mode	1	Rte_Mode_Ap_VehPwrMd_SystemState_Mode	1	~
IgnFailureDiag	1	IgnFailureDiag	1	✓
Rte_Call_Ap_VehPwrMd_NxtrDiagMgr_SetNTCStatus	1	Rte_Call_Ap_VehPwrMd_NxtrDiagMgr_SetNTCStatus	1	~
Rte_Call_Ap_VehPwrMd_SystemTime_GetSystemTime_mS_u32	1	Rte_Call_Ap_VehPwrMd_SystemTime_GetSystemTime_mS_u32	1	~
Rte_Call_VehPwrMd_Per1_CP1_CheckpointReached	1	Rte_Call_VehPwrMd_Per1_CP1_CheckpointReached	1	~

0.0199999996

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 Project
 VehPwrMd

 Module
 VehPwrMd

 Test Object
 VehPwrMd_Trns2

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\VehPwrMd
Configuration File	D:\Synergy_Work_Area\VehPwrMd\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)\VehPwrMd\src\Ap_VehPwrMd.c
Compiler Options	-Dconst= -D_DATA_ACCESS= -Dstatic= -I\$(PROJECTROOT)\VehPwrMd\utp\contract -I\$(PROJECTROOT)\StdDef\unclude -I\$ (PROJECTROOT)\NxtrLib\include -I\$(Compiler Install Path)\unclude -I\$(PROJECTROOT)\VehPwrMd\unclude -I\$(PROJECTROOT) \VehPwrMd\utp\contract\Ap VehPwrMd

Comments/Description/Specification	
Name	Text
Module 'VehPwrMd'	Name of Tester:Spoorti Mali Code File(s) Under Test: Ap_VehPwrMd.c Code File(s) Version:2 Module Design Document:Vehicle_Power_Mode_MDD.docx Module Design Document Version:1 Data Dictionary Version:2 Unit Test Plan Version:2 Optimization Level:Level 2 Compiler (CodeGen) Version:TMS470_4.9.5 Model Type:Excel Macro Model Version:Nexteer EPS Unit Test Tool 2.7d/EPS Library 1.32 Total FLASH Used (Bytes):416 Total RAM Used (Bytes):416 Total RAM Used (Bytes):41 Special Test Requirements: Test Date:07-03-2015 Comments:"Note 1: Inline functions defined in globalmacro.h are not unit tested. Note 2: ""CBD_Sandbox_dbg.map""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\UDE 3.2
Timer Enabled	false
Timer Prescale	0
Timer Resolution	1
Timer Unit	Cycles
UDE Config File	\$(PROJECTROOT)\UnitTestEnv\config\TMS570_UDE_12PIN_JTAG.cfg
Workspace File	D:\Synergy_Work_Area\VehPwrMd\UnitTestEnv\config\UDE_TMS570_DEBUG.WSP



Test Case 1: Boundary Test

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

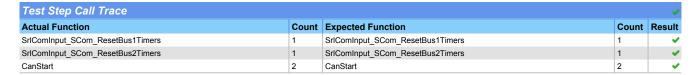
Cycles:

TS1.1 1997.00 Cycles

Description Vector Description:

TS1.1: Call trace is checked

Test Step 1.1 (Repeat Count = 1)



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VehPwrMd_Trns1

 Project
 VehPwrMd

 Module
 VehPwrMd

 Test Object
 VehPwrMd_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\VehPwrMd
Configuration File	D:\Synergy_Work_Area\VehPwrMd\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)\VehPwrMd\src\Ap_VehPwrMd.c
Compiler Options	-Dconst= -D_DATA_ACCESS= -Dstatic= -I\$(PROJECTROOT)\VehPwrMd\utp\contract -I\$(PROJECTROOT)\StdDef\u00edinclude -I\$ (PROJECTROOT)\NxtrLib\u00edinclude -I\$(Compiler Install Path)\u00edinclude -I\$(PROJECTROOT)\VehPwrMd\u00edinclude -I\$(PROJECTROOT) \u00edVehPwrMd\u00edutp\contract\u00edp VehPwrMd

Comments/Description/Specification	
Name	Text
Module 'VehPwrMd'	Name of Tester:Spoorti Mali Code File(s) Under Test: Ap_VehPwrMd.c Code File(s) Version:2 Module Design Document:Vehicle_Power_Mode_MDD.docx Module Design Document Version:1 Data Dictionary Version:2 Unit Test Plan Version:2 Optimization Level:Level 2 Compiler (CodeGen) Version:TMS470_4.9.5 Model Type:Excel Macro Model Version:Nexteer EPS Unit Test Tool 2.7d/EPS Library 1.32 Total FLASH Used (Bytes):416 Total RAM Used (Bytes):416 Total RAM Used (Bytes):41 Special Test Requirements: Test Date:07-03-2015 Comments:"Note 1: Inline functions defined in globalmacro.h are not unit tested. Note 2: ""CBD_Sandbox_dbg.map""map file is embedded for reference."

Attributes				
Name	Value			
Compiler Install Path	\$(ProgramFiles)\Texas Instruments\ccsv4\tools\compiler\tms470_4.9.5			
Float Precision	9			
InitObjDir	\$(PROJECTROOT)\UnitTestEnv\static_build_files\obj			
InitSrcDir	\$(PROJECTROOT)\UnitTestEnv\static_build_files\src			
Linker File	<pre>\$(PROJECTROOT)\UnitTestEnv\static_build_files\sys_link.cmd</pre>			
Makefile Template	\$(PROJECTROOT)\UnitTestEnv\config\Nexteer_ts_make_ude_ti_tms570.tpl			
Target Install Path	<pre>\$(ProgramFiles)\pls\UDE 3.2</pre>			
Timer Enabled	false			
Timer Prescale	0			
Timer Resolution	1			
Timer Unit	Cycles			
UDE Config File	\$(PROJECTROOT)\UnitTestEnv\config\TMS570_UDE_12PIN_JTAG.cfg			
Workspace File	D:\Synergy_Work_Area\VehPwrMd\UnitTestEnv\config\UDE_TMS570_DEBUG.WSP			



Test Case 1: Boundary Test

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

Cycles:

TS1.1 1092.00 Cycles

Description Vector Description:

TS1.1: Call trace is checked

Test Step 1.1 (Repeat Count = 1)

Test Step Call Trace						
Actual Function	Count	Expected Function	Count	Result		
CanStop	2	CanStop	2	~		