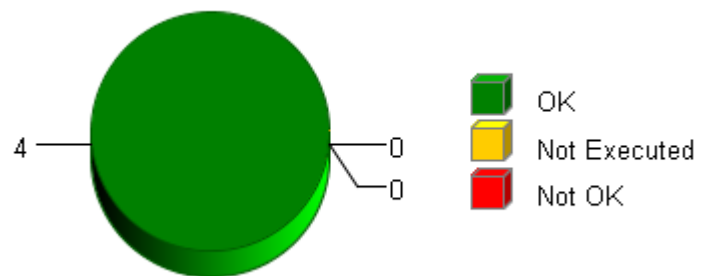


## Summary

**Total Test Objects:** 4  
**Successful:** 4  
**Failed:** 0  
**Not Executed:** 0  
**Date:** 2016-05-18  
**Time:** 15:58:44+0530

## Overall Test Object Results (including Coverage)



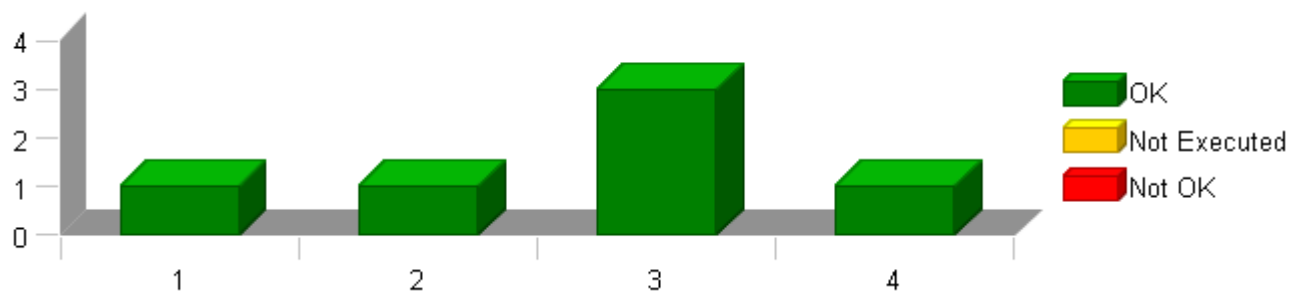
## Selected Project Items

Test Collection "UnitTest"

## Used Test Environments

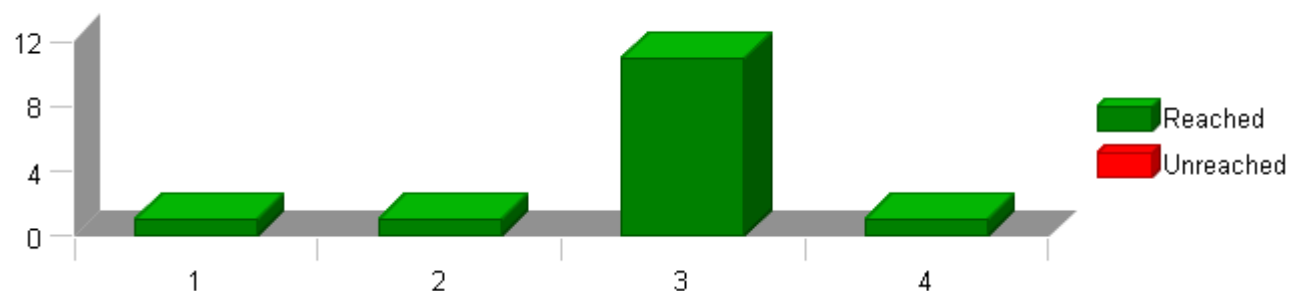
TI TMS 570 PLS UDE (Default)

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



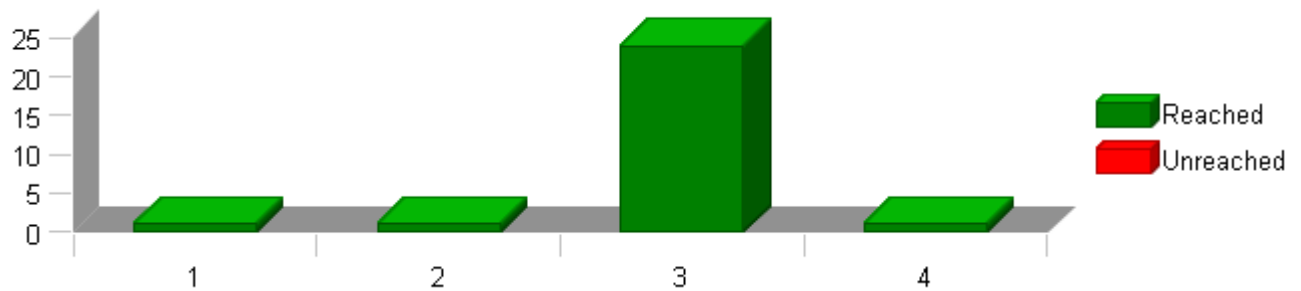
The table above shows each test object on the x axis and the number of test cases of the respective test object on the y axis. Each bar is divided into passed, not executed and failed test cases. The test case results do not take into account any coverage result (i.e. if all test cases of a test object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



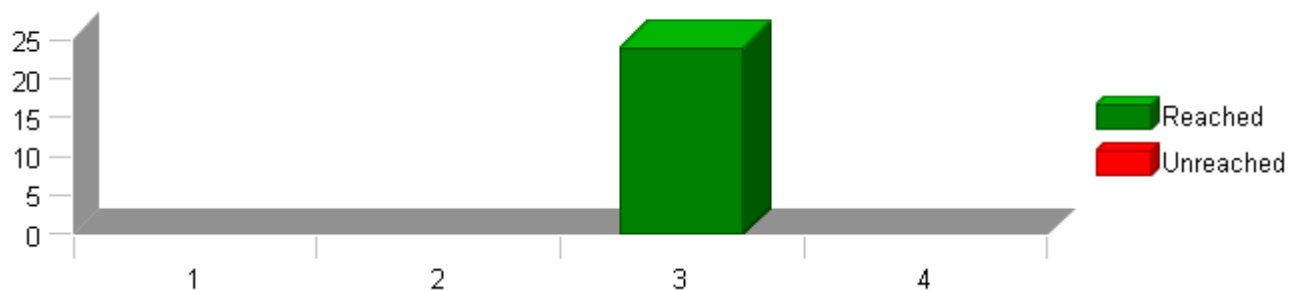
The table above shows each test object on the x axis and the number of statements of the respective test object on the y axis. Each bar is divided into reached statements (i.e. statements that have been executed during the test) and unreached statements.

### 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.

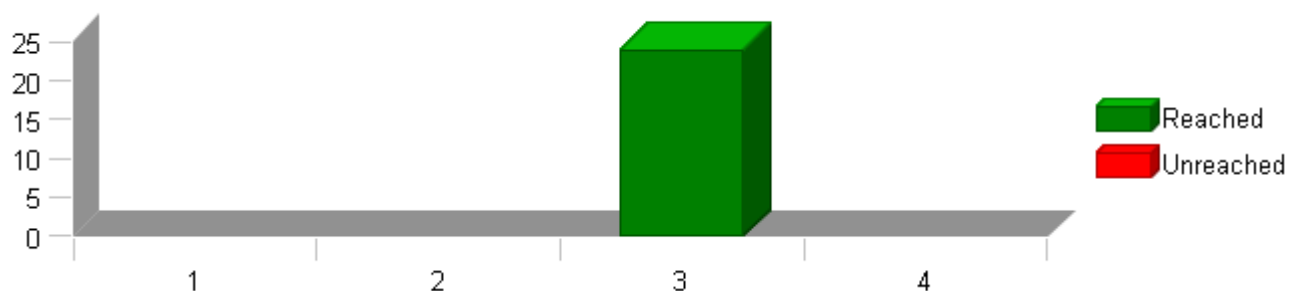
### Decision Coverage: Total Decision Outcomes for Each Test Object



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.

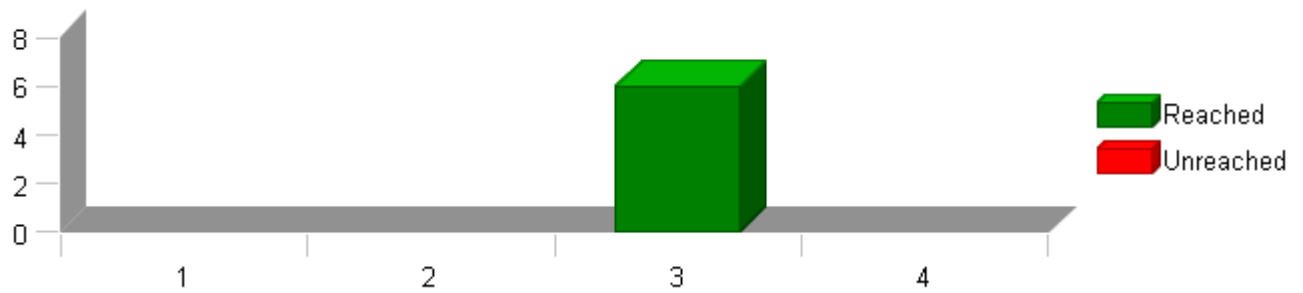
### MC/DC Coverage: Total Condition Combinations for Each Test Object



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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Project DemIf



### Test Object List

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

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

No.	Name	C0	C1	DC	MC/DC	MCC	Test Cases	Result
	DemIf	100 %	100 %	100 %	100 %	100 %	6 of 6 passed	✓
	UnitTest	100 %	100 %	100 %	100 %	100 %	6 of 6 passed	✓
	DemIf	100 %	100 %	100 %	100 %	100 %	6 of 6 passed	✓
1	<a href="#">DemIf_DemShutdown</a>	100 %	100 %	-	-	-	1 of 1 passed	✓
2	<a href="#">DemIf_RestartDem</a>	100 %	100 %	-	-	-	1 of 1 passed	✓
3	<a href="#">DemIf_SetEventStatus</a>	100 %	100 %	100 %	100 %	100 %	3 of 3 passed	✓
4	<a href="#">DemIf_SetOperationCycleState</a>	100 %	100 %	-	-	-	1 of 1 passed	✓

# TEST DETAILS REPORT

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DemIf\_RestartDem



Project	DemIf
Module	DemIf
Test Object	DemIf_RestartDem

## 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\FIASA_DemIf_5
Configuration File	D:\Synergy_Work_Area\FIASA_DemIf_5\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)\DemIfsrc\Ap_DemIf.c
Compiler Options	-DSKIP_MAGIC_NUMBER -D_DATA_ACCESS= -D__inline= -Dconst= -Dstatic= -I\$(PROJECTROOT)\NxtLib\include -I\$(PROJECTROOT)\StdDef\include -I\$(PROJECTROOT)\DemIfutp\contract -I\$(Compiler Install Path)\include

## Comments/Description/Specification

Name	Text
Module 'DemIf'	*****Unit Test Information***** Name of Tester: Priyanka Bothe Code File(s) Under Test: Ap_DemIf.c Code File(s) Version: 5 Module Design Document: NA Module Design Document Version: NA Data Dictionary Version: NA Unit Test Plan Version: 1 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): 80 Total RAM Used (Bytes): 0 Total CALS Used (Bytes): 0 Special Test Requirements: NA Test Date: 5/18/2016 Comments: NOTE1: "CBD_Sandbox_dbg.map" map file is embedded for reference.  NOTE2: In Function "DemIf_SetEventStatus", for EventId = 0 to 255 & for EventStatus = 0 to 255 ranges are considered.  NOTE3: In Function "DemIf_SetOperationCycleState", for NxtOperationCycleId = 0 & for NxtCycleState = 1 to 2 ranges are consider  *****

Attributes	
Name	Value
Compiler Install Path	\$(ProgramFiles)\Texas Instruments\ccsv4\tools\compiler\tms470_4.9.5
Float Precision	9
InitObjDir	\$(PROJECTROOT)\UnitTestEnv\static_build_files\obj
InitSrcDir	\$(PROJECTROOT)\UnitTestEnv\static_build_files\src
Linker File	\$(PROJECTROOT)\UnitTestEnv\static_build_files\sys_link.cmd
Makefile Template	\$(PROJECTROOT)\UnitTestEnv\config\Nexteer_ts_make_ude_ti_tms570_ps.tpl
Target Install Path	\$(ProgramFiles)\pls\UDE 4.4
Time Unit	Cycles
Timer Enabled	false
Timer Prescale	0
Timer Resolution	1
UDE Config File	\$(PROJECTROOT)\UnitTestEnv\config\TMS570_UDE_12PIN_JTAG.cfg

# TEST DETAILS REPORT

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DemIf\_RestartDem



Attributes	
Name	Value
Workspace File	D:\Synergy_Work_Area\FIASA_DemIf_5\UnitTestEnv\config\UDE_TMS570_DEBUG.WSP

## Test Case 1: Boundary Test ✓

**Specification** Performance Metrics (With "None" Instrumentation and WithPS Environment)  
CPU Cycles:  
TS1.1 509.00 Cycles

**Description** Vector Description :  
TS 1.1 Check for Stub Call

## Test Step 1.1 (Repeat Count = 1) ✓

## Test Step Call Trace ✓

Actual Function	Count	Expected Function	Count	Result
Dem_Init	1	Dem_Init	1	✓

# TEST DETAILS REPORT

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DemIf\_SetEventStatus

Project	DemIf
Module	DemIf
Test Object	DemIf_SetEventStatus

## 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\FIASA_DemIf_5
Configuration File	D:\Synergy_Work_Area\FIASA_DemIf_5\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)\DemIfsrc\Ap_DemIf.c
Compiler Options	-DSKIP_MAGIC_NUMBER -D_DATA_ACCESS= -D_inline= -Dconst= -Dstatic= -I\$(PROJECTROOT)\NxtrLib\include -I\$(PROJECTROOT)\StdDef\include -I\$(PROJECTROOT)\DemIfutp\contract -I\$(Compiler Install Path)\include

## Comments/Description/Specification

Name	Text
Module 'DemIf'	*****Unit Test Information***** Name of Tester: Priyanka Bothe Code File(s) Under Test: Ap_DemIf.c Code File(s) Version: 5 Module Design Document: NA Module Design Document Version: NA Data Dictionary Version: NA Unit Test Plan Version: 1 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): 80 Total RAM Used (Bytes): 0 Total CALS Used (Bytes): 0 Special Test Requirements: NA Test Date: 5/18/2016 Comments: NOTE1: "CBD_Sandbox_dbg.map" map file is embedded for reference.  NOTE2: In Function "DemIf_SetEventStatus", for EventId = 0 to 255 & for EventStatus = 0 to 255 ranges are considered.  NOTE3: In Function "DemIf_SetOperationCycleState", for NxtrOperationCycleId = 0 & for NxtrCycleState = 1 to 2 ranges are consider  ***** Test Object 'DemIf_SetEventStatus' Description :  TS 1.1 Check for Stub Call

## Attributes

Name	Value
Compiler Install Path	\$(ProgramFiles)\Texas Instruments\ccsv4\tools\compiler\tms470_4.9.5
Float Precision	9
InitObjDir	\$(PROJECTROOT)\UnitTestEnv\static_build_files\obj
InitSrcDir	\$(PROJECTROOT)\UnitTestEnv\static_build_files\src
Linker File	\$(PROJECTROOT)\UnitTestEnv\static_build_files\sys_link.cmd
Makefile Template	\$(PROJECTROOT)\UnitTestEnv\config\Nexteer_ts_make_ude_ti_tms570_ps.tpl



# TEST DETAILS REPORT

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DemIf\_SetEventStatus



Attributes	
Name	Value
Target Install Path	\$(ProgramFiles)\pls\UDE 4.4
Time Unit	Cycles
Timer Enabled	false
Timer Prescale	0
Timer Resolution	1
UDE Config File	\$(PROJECTROOT)\UnitTestEnv\config\TMS570_UDE_12PIN_JTAG.cfg
Workspace File	D:\Synergy_Work_Area\FIASA_DemIf_5\UnitTestEnv\config\UDE_TMS570_DEBUG.WSP

## Test Case 1: Metrics Test

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

TS1.1 95.00 Cycles  
TS1.2 585.00 Cycles

**Description** Vector Description:

TS1.1"Shortest Execution Path:  
( FALSE == OpModeStsCTCEnableCriteria\_Cnt\_T\_lgc )==>False  
( EventStatus == NTC\_STATUS\_PASSED)==>True"  
TS1.2"Longest Execution Path:  
( FALSE == OpModeStsCTCEnableCriteria\_Cnt\_T\_lgc )==>True  
EventId: DTC\_0x500386  
( EventStatus == NTC\_STATUS\_PASSED)==>False  
( EventHandled\_Cnt\_T\_lgc == TRUE )==>True"

## Test Step 1.1 (Repeat Count = 1)

Name	Input Value			
EventId	1			
EventStatus	0			
Rte_SrlComInput_OpModeStsCTCEnableCriteria_Cnt_lgc	1			
Name	Actual Value	Expected Value	Result	
DemIf_SetEventStatus()	0	0	✓	
Dem_SetEventStatus(EventId)	1	1	✓	
Dem_SetEventStatus(EventStatus)	0	0	✓	

## Test Step Call Trace

Actual Function	Count	Expected Function	Count	Result
Dem_SetEventStatus	1	Dem_SetEventStatus	1	✓

## Test Step 1.2 (Repeat Count = 1)

Name	Input Value			
EventId	39			
EventStatus	22			
Rte_SrlComInput_OpModeStsCTCEnableCriteria_Cnt_lgc	0			
Name	Actual Value	Expected Value	Result	
DemIf_SetEventStatus()	0	0	✓	
Dem_SetEventStatus(EventId)	1	*none*	✓	
Dem_SetEventStatus(EventStatus)	0	*none*	✓	

## Test Step Call Trace

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

# TEST DETAILS REPORT

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DemIf\_SetEventStatus

## Test Case 2: Boundary Test

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

TS2.1 578.00 Cycles  
TS2.2 1014.00 Cycles  
TS2.3 564.00 Cycles  
TS2.4 541.00 Cycles  
TS2.5 585.00 Cycles  
TS2.6 573.00 Cycles  
TS2.7 1001.00 Cycles  
TS2.8 67.00 Cycles  
TS2.9 63.00 Cycles  
TS2.10 965.00 Cycles

**Description** Vector Description :

TS2.1All Min  
TS2.2All Max  
TS2.3EventId==>Min  
TS2.4EventId==>Max  
TS2.5EventId==>Pos  
TS2.6EventStatus==>Min  
TS2.7EventStatus==>Max  
TS2.8EventStatus==>Pos  
TS2.9OpModeStsCTCEnableCriteria\_Cnt\_Igc==>Min  
TS2.10OpModeStsCTCEnableCriteria\_Cnt\_Igc==>Max

## Test Step 2.1 (Repeat Count = 1)

Name	Input Value		
EventId	0		
EventStatus	0		
Rte_SrlComInput_OpModeStsCTCEnableCriteria_Cnt_Igc	0		
Name	Actual Value	Expected Value	Result
DemIf_SetEventStatus()	0	0	✓
Dem_SetEventStatus(EventId)	0	0	✓
Dem_SetEventStatus(EventStatus)	0	0	✓

## Test Step Call Trace

Actual Function	Count	Expected Function	Count	Result
Dem_SetEventStatus	1	Dem_SetEventStatus	1	✓

## Test Step 2.2 (Repeat Count = 1)

Name	Input Value		
EventId	255		
EventStatus	255		
Rte_SrlComInput_OpModeStsCTCEnableCriteria_Cnt_Igc	1		
Name	Actual Value	Expected Value	Result
DemIf_SetEventStatus()	0	0	✔
Dem_SetEventStatus(EventId)	255	255	✔
Dem_SetEventStatus(EventStatus)	255	255	✔

## Test Step Call Trace

Actual Function	Count	Expected Function	Count	Result
UpdateFirstDTCDetect	1	UpdateFirstDTCDetect	1	✓
Dem_SetEventStatus	1	Dem_SetEventStatus	1	✓

## Test Step 2.3 (Repeat Count = 1)

Name	Input Value
EventId	0
EventStatus	0
Rte_SrlComInput_OpModeStsCTCEnableCriteria_Cnt_Igc	0

Name	Actual Value	Expected Value	Result
DemIf_SetEventStatus()	0	0	✓
Dem_SetEventStatus(EventId)	0	0	✓
Dem_SetEventStatus(EventStatus)	0	0	✓

## Test Step Call Trace

Actual Function	Count	Expected Function	Count	Result
Dem_SetEventStatus	1	Dem_SetEventStatus	1	✓

# TEST DETAILS REPORT

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DemIf\_SetEventStatus



## Test Step 2.4 (Repeat Count = 1)

Name	Input Value		
EventId	255		
EventStatus	0		
Rte_SrlComInput_OpModeStsCTCEnableCriteria_Cnt_Igc	0		
Name	Actual Value	Expected Value	Result
DemIf_SetEventStatus()	0	0	✓
Dem_SetEventStatus(EventId)	255	255	✓
Dem_SetEventStatus(EventStatus)	0	0	✓

## Test Step Call Trace

Actual Function	Count	Expected Function	Count	Result
Dem_SetEventStatus	1	Dem_SetEventStatus	1	✓

## Test Step 2.5 (Repeat Count = 1)

Name	Input Value		
EventId	39		
EventStatus	0		
Rte_SrlComInput_OpModeStsCTCEnableCriteria_Cnt_Igc	0		
Name	Actual Value	Expected Value	Result
DemIf_SetEventStatus()	0	0	✔
Dem_SetEventStatus(EventId)	39	39	✔
Dem_SetEventStatus(EventStatus)	0	0	✔

## Test Step Call Trace

Actual Function	Count	Expected Function	Count	Result
Dem_SetEventStatus	1	Dem_SetEventStatus	1	✓

## Test Step 2.6 (Repeat Count = 1)

Name	Input Value
EventId	1
EventStatus	0
Rte_SrlComInput_OpModeStsCTCEnableCriteria_Cnt_Igc	1

Name	Actual Value	Expected Value	Result
DemIf_SetEventStatus()	0	0	✔
Dem_SetEventStatus(EventId)	1	1	✔
Dem_SetEventStatus(EventStatus)	0	0	✔

## Test Step Call Trace

Actual Function	Count	Expected Function	Count	Result
Dem_SetEventStatus	1	Dem_SetEventStatus	1	✓

## Test Step 2.7 (Repeat Count = 1)

Name	Input Value		
EventId	2		
EventStatus	255		
Rte_SrlComInput_OpModeStsCTCEnableCriteria_Cnt_Igc	1		
Name	Actual Value	Expected Value	Result
DemIf_SetEventStatus()	0	0	✓
Dem_SetEventStatus(EventId)	2	2	✓
Dem_SetEventStatus(EventStatus)	255	255	✓

## Test Step Call Trace

Actual Function	Count	Expected Function	Count	Result
UpdateFirstDTCDetect	1	UpdateFirstDTCDetect	1	✓
Dem_SetEventStatus	1	Dem_SetEventStatus	1	✓

# TEST DETAILS REPORT

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DemIf\_SetEventStatus

## Test Step 2.8 (Repeat Count = 1)

Name	Input Value		
EventId	3		
EventStatus	22		
Rte_SrlComInput_OpModeStsCTCEnableCriteria_Cnt_lgc	0		
Name	Actual Value	Expected Value	Result
DemIf_SetEventStatus()	0	0	✔
Dem_SetEventStatus(EventId)	2	*none*	✔
Dem_SetEventStatus(EventStatus)	255	*none*	✔

## Test Step Call Trace

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

## Test Step 2.9 (Repeat Count = 1)

Name	Input Value		
EventId	4		
EventStatus	130		
Rte_SrlComInput_OpModeStsCTCEnableCriteria_Cnt_lgc	0		
Name	Actual Value	Expected Value	Result
DemIf_SetEventStatus()	0	0	✔
Dem_SetEventStatus(EventId)	2	*none*	✔
Dem_SetEventStatus(EventStatus)	255	*none*	✔

## Test Step Call Trace

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

## Test Step 2.10 (Repeat Count = 1)

Name	Input Value		
EventId	5		
EventStatus	26		
Rte_SrlComInput_OpModeStsCTCEnableCriteria_Cnt_lgc	1		
Name	Actual Value	Expected Value	Result
DemIf_SetEventStatus()	0	0	✓
Dem_SetEventStatus(EventId)	5	5	✓
Dem_SetEventStatus(EventStatus)	26	26	✓

## Test Step Call Trace

Actual Function	Count	Expected Function	Count	Result
UpdateFirstDTCDetect	1	UpdateFirstDTCDetect	1	✓
Dem_SetEventStatus	1	Dem_SetEventStatus	1	✓

# TEST DETAILS REPORT

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DemIf\_SetEventStatus

## Test Case 3: Path Test

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

TS3.1 559.00 Cycles  
TS3.2 1001.00 Cycles  
TS3.3 67.00 Cycles  
TS3.4 63.00 Cycles  
TS3.5 63.00 Cycles  
TS3.6 63.00 Cycles  
TS3.7 63.00 Cycles  
TS3.8 63.00 Cycles  
TS3.9 63.00 Cycles  
TS3.10 63.00 Cycles  
TS3.11 63.00 Cycles  
TS3.12 63.00 Cycles  
TS3.13 63.00 Cycles  
TS3.14 63.00 Cycles  
TS3.15 63.00 Cycles  
TS3.16 95.00 Cycles  
TS3.17 95.00 Cycles  
TS3.18 95.00 Cycles  
TS3.19 105.00 Cycles

**Description** Vector Description:

TS3.1"( FALSE == OpModeStsCTCEnableCriteria\_Cnt\_T\_lgc )==>True  
( EventStatus == NTC\_STATUS\_PASSED)==>True"  
TS3.2"( FALSE == OpModeStsCTCEnableCriteria\_Cnt\_T\_lgc )==>False  
( EventHandled\_Cnt\_T\_lgc == TRUE )==>True  
( EventStatus == NTC\_STATUS\_PASSED)==>False"  
TS3.3"( EventHandled\_Cnt\_T\_lgc == TRUE )==>False  
EventId : DTC\_0xd01387"  
TS3.4EventId : DTC\_0xd95283  
TS3.5EventId : DTC\_0xd93286  
TS3.6EventId : DTC\_0xd01187  
TS3.7EventId : DTC\_0xd01087  
TS3.8EventId : DTC\_0xd00787  
TS3.9EventId : DTC\_0xd00687  
TS3.10EventId : DTC\_0xd00587  
TS3.11EventId : DTC\_0xc4232f  
TS3.12EventId : DTC\_0xc4222f  
TS3.13EventId : DTC\_0xc4152f  
TS3.14EventId : DTC\_0xc4012f  
TS3.15EventId : DTC\_0xc10087  
TS3.16EventId : DTC\_0xa1991c  
TS3.17EventId : DTC\_0xa19917  
TS3.18EventId : DTC\_0xa19916  
TS3.19EventId : DTC\_0x500386

## Test Step 3.1 (Repeat Count = 1)

Name	Input Value			
EventId	0			
EventStatus	0			
Rte_SrlComInput_OpModeStsCTCEnableCriteria_Cnt_lgc	0			
Name	Actual Value	Expected Value	Result	
DemIf_SetEventStatus()	0	0	✓	
Dem_SetEventStatus(EventId)	0	0	✓	
Dem_SetEventStatus(EventStatus)	0	0	✓	

## Test Step Call Trace

Actual Function	Count	Expected Function	Count	Result
Dem_SetEventStatus	1	Dem_SetEventStatus	1	✓

## Test Step 3.2 (Repeat Count = 1)

Name	Input Value			
EventId	255			
EventStatus	255			
Rte_SrlComInput_OpModeStsCTCEnableCriteria_Cnt_lgc	1			
Name	Actual Value	Expected Value	Result	
DemIf_SetEventStatus()	0	0	✓	
Dem_SetEventStatus(EventId)	255	255	✓	
Dem_SetEventStatus(EventStatus)	255	255	✓	

## Test Step Call Trace

Actual Function	Count	Expected Function	Count	Result
UpdateFirstDTCDetect	1	UpdateFirstDTCDetect	1	✓
Dem_SetEventStatus	1	Dem_SetEventStatus	1	✓

# TEST DETAILS REPORT

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DemIf\_SetEventStatus

Test Step 3.3 (Repeat Count = 1)				✓
Name	Input Value			
EventId	3			
EventStatus	22			
Rte_SrlComInput_OpModeStsCTCEnableCriteria_Cnt_lgc	0			
Name	Actual Value	Expected Value	Result	
DemIf_SetEventStatus()	0	0		✓
Dem_SetEventStatus(EventId)	255	*none*		✓
Dem_SetEventStatus(EventStatus)	255	*none*		✓

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

Test Step 3.4 (Repeat Count = 1)				✓
Name	Input Value			
EventId	1			
EventStatus	22			
Rte_SrlComInput_OpModeStsCTCEnableCriteria_Cnt_lgc	0			
Name	Actual Value	Expected Value	Result	
DemIf_SetEventStatus()	0	0		✓
Dem_SetEventStatus(EventId)	255	*none*		✓
Dem_SetEventStatus(EventStatus)	255	*none*		✓

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

Test Step 3.5 (Repeat Count = 1)				✓
Name	Input Value			
EventId	2			
EventStatus	22			
Rte_SrlComInput_OpModeStsCTCEnableCriteria_Cnt_lgc	0			
Name	Actual Value	Expected Value	Result	
DemIf_SetEventStatus()	0	0		✓
Dem_SetEventStatus(EventId)	255	*none*		✓
Dem_SetEventStatus(EventStatus)	255	*none*		✓

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

Test Step 3.6 (Repeat Count = 1)				✓
Name	Input Value			
EventId	4			
EventStatus	22			
Rte_SrlComInput_OpModeStsCTCEnableCriteria_Cnt_lgc	0			
Name	Actual Value	Expected Value	Result	
DemIf_SetEventStatus()	0	0		✓
Dem_SetEventStatus(EventId)	255	*none*		✓
Dem_SetEventStatus(EventStatus)	255	*none*		✓

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

Test Step 3.7 (Repeat Count = 1)				✓
Name	Input Value			
EventId	5			

# TEST DETAILS REPORT

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DemIf\_SetEventStatus

Name	Input Value		
EventStatus	22		
Rte_SrlComInput_OpModeStsCTCEnableCriteria_Cnt_lgc	0		
Name	Actual Value	Expected Value	Result
DemIf_SetEventStatus()	0	0	✓
Dem_SetEventStatus(EventId)	255	*none*	✓
Dem_SetEventStatus(EventStatus)	255	*none*	✓

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

Test Step 3.8 (Repeat Count = 1)				
Name	Input Value			
EventId	6			
EventStatus	22			
Rte_SrlComInput_OpModeStsCTCEnableCriteria_Cnt_lgc	0			
Name	Actual Value	Expected Value	Result	
DemIf_SetEventStatus()	0	0	✓	
Dem_SetEventStatus(EventId)	255	*none*	✓	
Dem_SetEventStatus(EventStatus)	255	*none*	✓	

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

Test Step 3.9 (Repeat Count = 1)				
Name	Input Value			
EventId	7			
EventStatus	22			
Rte_SrlComInput_OpModeStsCTCEnableCriteria_Cnt_lgc	0			
Name	Actual Value	Expected Value	Result	
DemIf_SetEventStatus()	0	0	✓	
Dem_SetEventStatus(EventId)	255	*none*	✓	
Dem_SetEventStatus(EventStatus)	255	*none*	✓	

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

Test Step 3.10 (Repeat Count = 1)				
Name	Input Value			
EventId	8			
EventStatus	22			
Rte_SrlComInput_OpModeStsCTCEnableCriteria_Cnt_lgc	0			
Name	Actual Value	Expected Value	Result	
DemIf_SetEventStatus()	0	0	✓	
Dem_SetEventStatus(EventId)	255	*none*	✓	
Dem_SetEventStatus(EventStatus)	255	*none*	✓	

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



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DemIf\_SetEventStatus

## Test Step 3.11 (Repeat Count = 1)

Name	Input Value		
EventId	9		
EventStatus	22		
Rte_SrlComInput_OpModeStsCTCEnableCriteria_Cnt_Igc	0		
Name	Actual Value	Expected Value	Result
DemIf_SetEventStatus()	0	0	✔
Dem_SetEventStatus(EventId)	255	*none*	✔
Dem_SetEventStatus(EventStatus)	255	*none*	✔

## Test Step Call Trace

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

## Test Step 3.12 (Repeat Count = 1)

Name	Input Value		
EventId	10		
EventStatus	22		
Rte_SrlComInput_OpModeStsCTCEnableCriteria_Cnt_Igc	0		
Name	Actual Value	Expected Value	Result
DemIf_SetEventStatus()	0	0	✔
Dem_SetEventStatus(EventId)	255	*none*	✔
Dem_SetEventStatus(EventStatus)	255	*none*	✔

## Test Step Call Trace

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

## Test Step 3.13 (Repeat Count = 1)

Name	Input Value		
EventId	11		
EventStatus	22		
Rte_SrlComInput_OpModeStsCTCEnableCriteria_Cnt_Igc	0		
Name	Actual Value	Expected Value	Result
DemIf_SetEventStatus()	0	0	✓
Dem_SetEventStatus(EventId)	255	*none*	✓
Dem_SetEventStatus(EventStatus)	255	*none*	✓

## Test Step Call Trace

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

## Test Step 3.14 (Repeat Count = 1)

Name	Input Value		
EventId	12		
EventStatus	22		
Rte_SrlComInput_OpModeStsCTCEnableCriteria_Cnt_Igc	0		
Name	Actual Value	Expected Value	Result
DemIf_SetEventStatus()	0	0	✔
Dem_SetEventStatus(EventId)	255	*none*	✔
Dem_SetEventStatus(EventStatus)	255	*none*	✔

## Test Step Call Trace

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

## Test Step 3.15 (Repeat Count = 1)

Name	Input Value
EventId	13

# TEST DETAILS REPORT

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DemIf\_SetEventStatus

Name	Input Value		
EventStatus	22		
Rte_SrlComInput_OpModeStsCTCEnableCriteria_Cnt_lgc	0		
Name	Actual Value	Expected Value	Result
DemIf_SetEventStatus()	0	0	✓
Dem_SetEventStatus(EventId)	255	*none*	✓
Dem_SetEventStatus(EventStatus)	255	*none*	✓

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

Test Step 3.16 (Repeat Count = 1)				
Name	Input Value			
EventId	18			
EventStatus	22			
Rte_SrlComInput_OpModeStsCTCEnableCriteria_Cnt_lgc	0			
Name	Actual Value	Expected Value	Result	
DemIf_SetEventStatus()	0	0	✓	
Dem_SetEventStatus(EventId)	255	*none*	✓	
Dem_SetEventStatus(EventStatus)	255	*none*	✓	

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

Test Step 3.17 (Repeat Count = 1)				
Name	Input Value			
EventId	19			
EventStatus	22			
Rte_SrlComInput_OpModeStsCTCEnableCriteria_Cnt_lgc	0			
Name	Actual Value	Expected Value	Result	
DemIf_SetEventStatus()	0	0	✓	
Dem_SetEventStatus(EventId)	255	*none*	✓	
Dem_SetEventStatus(EventStatus)	255	*none*	✓	

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

Test Step 3.18 (Repeat Count = 1)				
Name	Input Value			
EventId	20			
EventStatus	22			
Rte_SrlComInput_OpModeStsCTCEnableCriteria_Cnt_lgc	0			
Name	Actual Value	Expected Value	Result	
DemIf_SetEventStatus()	0	0	✓	
Dem_SetEventStatus(EventId)	255	*none*	✓	
Dem_SetEventStatus(EventStatus)	255	*none*	✓	

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

# TEST DETAILS REPORT

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DemIf\_SetEventStatus

## Test Step 3.19 (Repeat Count = 1)

Name	Input Value		
EventId	39		
EventStatus	22		
Rte_SrlComInput_OpModeStsCTCEnableCriteria_Cnt_lgc	0		
Name	Actual Value	Expected Value	Result
DemIf_SetEventStatus()	0	0	✔
Dem_SetEventStatus(EventId)	255	*none*	✔
Dem_SetEventStatus(EventStatus)	255	*none*	✔

## Test Step Call Trace

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

# TEST DETAILS REPORT

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DemIf\_DemShutdown

Project	DemIf
Module	DemIf
Test Object	DemIf_DemShutdown

## 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\FIASA_DemIf_5
Configuration File	D:\Synergy_Work_Area\FIASA_DemIf_5\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)\DemIfsrc\Ap_DemIf.c
Compiler Options	-DSKIP_MAGIC_NUMBER -D_DATA_ACCESS= -D__inline= -Dconst= -Dstatic= -I\$(PROJECTROOT)\NxtLib\include -I\$(PROJECTROOT)\StdDef\include -I\$(PROJECTROOT)\DemIfutp\contract -I\$(Compiler Install Path)\include

## Comments/Description/Specification

Name	Text
Module 'DemIf'	*****Unit Test Information***** Name of Tester:Priyanka Bothe Code File(s) Under Test:Ap_DemIf.c Code File(s) Version:5 Module Design Document:NA Module Design Document Version:NA Data Dictionary Version:NA Unit Test Plan Version:1 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):80 Total RAM Used (Bytes):0 Total CALS Used (Bytes):0 Special Test Requirements:NA Test Date:5/18/2016 Comments: NOTE1: "CBD_Sandbox_dbg.map"map file is embedded for reference.  NOTE2: In Function "DemIf_SetEventStatus", for EventId = 0 to 255 & for EventStatus = 0 to 255 ranges are considered.  NOTE3: In Function "DemIf_SetOperationCycleState", for NxtOperationCycleId = 0 & for NxtCycleState = 1 to 2 ranges are consider  *****

Attributes	
Name	Value
Compiler Install Path	\$(ProgramFiles)\Texas Instruments\ccsv4\tools\compiler\tms470_4.9.5
Float Precision	9
InitObjDir	\$(PROJECTROOT)\UnitTestEnv\static_build_files\obj
InitSrcDir	\$(PROJECTROOT)\UnitTestEnv\static_build_files\src
Linker File	\$(PROJECTROOT)\UnitTestEnv\static_build_files\sys_link.cmd
Makefile Template	\$(PROJECTROOT)\UnitTestEnv\config\Nexteer_ts_make_ude_ti_tms570_ps.tpl
Target Install Path	\$(ProgramFiles)\pls\UDE 4.4
Time Unit	Cycles
Timer Enabled	false
Timer Prescale	0
Timer Resolution	1
UDE Config File	\$(PROJECTROOT)\UnitTestEnv\config\TMS570_UDE_12PIN_JTAG.cfg

# TEST DETAILS REPORT

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DemIf\_DemShutdown



Attributes	
Name	Value
Workspace File	D:\Synergy_Work_Area\FIASA_DemIf_5\UnitTestEnv\config\UDE_TMS570_DEBUG.WSP

## Test Case 1: Boundary Test ✓

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

TS1.1 508.00 Cycles

**Description** Vector Description :

TS 1.1 Check for Stub Call

## Test Step 1.1 (Repeat Count = 1) ✓

## Test Step Call Trace ✓

Actual Function	Count	Expected Function	Count	Result
Dem_Shutdown	1	Dem_Shutdown	1	✓

# TEST DETAILS REPORT

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DemIf\_SetOperationCycleState



Project	DemIf
Module	DemIf
Test Object	DemIf_SetOperationCycleState

## 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\FIASA_DemIf_5
Configuration File	D:\Synergy_Work_Area\FIASA_DemIf_5\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)\DemIfsrc\Ap_DemIf.c
Compiler Options	-DSKIP_MAGIC_NUMBER -D_DATA_ACCESS= -D__inline= -Dconst= -Dstatic= -I\$(PROJECTROOT)\NxtLib\include -I\$(PROJECTROOT)\StdDef\include -I\$(PROJECTROOT)\DemIf\utp\contract -I\$(Compiler Install Path)\include

## Comments/Description/Specification

Name	Text
Module 'DemIf'	*****Unit Test Information***** Name of Tester: Priyanka Bothe Code File(s) Under Test: Ap_DemIf.c Code File(s) Version: 5 Module Design Document: NA Module Design Document Version: NA Data Dictionary Version: NA Unit Test Plan Version: 1 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): 80 Total RAM Used (Bytes): 0 Total CALS Used (Bytes): 0 Special Test Requirements: NA Test Date: 5/18/2016 Comments: NOTE1: "CBD_Sandbox_dbg.map" map file is embedded for reference.  NOTE2: In Function "DemIf_SetEventStatus", for EventId = 0 to 255 & for EventStatus = 0 to 255 ranges are considered.  NOTE3: In Function "DemIf_SetOperationCycleState", for NxtOperationCycleId = 0 & for NxtCycleState = 1 to 2 ranges are consider  *****

## Attributes

Name	Value
Compiler Install Path	\$(ProgramFiles)\Texas Instruments\ccsv4\tools\compiler\tms470_4.9.5
Float Precision	9
InitObjDir	\$(PROJECTROOT)\UnitTestEnv\static_build_files\obj
InitSrcDir	\$(PROJECTROOT)\UnitTestEnv\static_build_files\src
Linker File	\$(PROJECTROOT)\UnitTestEnv\static_build_files\sys_link.cmd
Makefile Template	\$(PROJECTROOT)\UnitTestEnv\config\Nexteer_ts_make_ude_ti_tms570_ps.tpl
Target Install Path	\$(ProgramFiles)\pls\UDE 4.4
Time Unit	Cycles
Timer Enabled	false
Timer Prescale	0
Timer Resolution	1
UDE Config File	\$(PROJECTROOT)\UnitTestEnv\config\TMS570_UDE_12PIN_JTAG.cfg

# TEST DETAILS REPORT

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DemIf\_SetOperationCycleState



Attributes	
Name	Value
Workspace File	D:\Synergy_Work_Area\FIASA_DemIf_5\UnitTestEnv\config\UDE_TMS570_DEBUG.WSP



# TEST DETAILS REPORT

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DemIf\_SetOperationCycleState



## Test Case 1: Boundary Test

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

TS1.1 489.00 Cycles  
TS1.2 471.00 Cycles

**Description** Vector Description:

TS 1.1 All Min  
TS 1.2 All Max

### Test Step 1.1 (Repeat Count = 1)

Name	Input Value		
NxtrCycleState	1		
NxtrOperationCycleId	0		
Name	Actual Value	Expected Value	Result
Dem_SetOperationCycleState(CycleState)	1	1	✓
Dem_SetOperationCycleState(OperationCycleId)	0	0	✓

### Test Step Call Trace

Actual Function	Count	Expected Function	Count	Result
Dem_SetOperationCycleState	1	Dem_SetOperationCycleState	1	✓

### Test Step 1.2 (Repeat Count = 1)

Name	Input Value		
NxtrCycleState	2		
NxtrOperationCycleId	0		
Name	Actual Value	Expected Value	Result
Dem_SetOperationCycleState(CycleState)	2	2	✓
Dem_SetOperationCycleState(OperationCycleId)	0	0	✓

### Test Step Call Trace

Actual Function	Count	Expected Function	Count	Result
Dem_SetOperationCycleState	1	Dem_SetOperationCycleState	1	✓