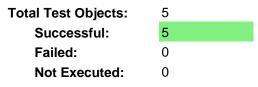
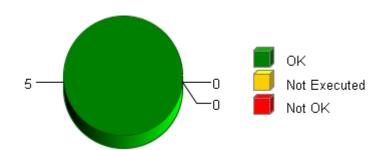


Summary

Overall Test Object Results (including Coverage)



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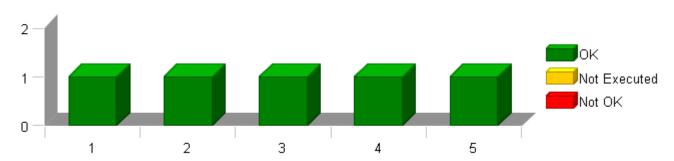
Selected Project Items

Test Collection "CBD_UnitTest"

Used Test Environments

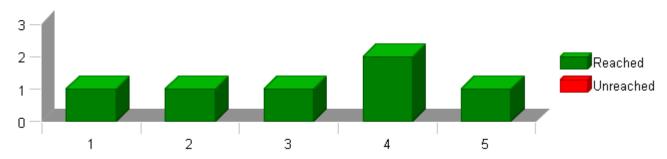
TI TMS 570 PLS UDE (Default)

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).

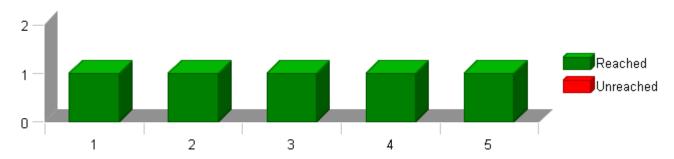
Statement (C0) Coverage: Total Statements for Each Test Object



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.



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 | Test Cases Result |
|-----|------------------------------|-------|-------|-------------------|
| | Demlf | 100 % | 100 % | 5 of 5 passed |
| | CBD_UnitTest | 100 % | 100 % | 5 of 5 passed |
| | Demlf | 100 % | 100 % | 5 of 5 passed |
| 1 | Demlf_DemShutdown | 100 % | 100 % | 1 of 1 passed |
| 2 | Demlf_DummyFunction | 100 % | 100 % | 1 of 1 passed |
| 3 | <u>Demlf_RestartDem</u> | 100 % | 100 % | 1 of 1 passed |
| 4 | Demlf SetEventStatus | 100 % | 100 % | 1 of 1 passed |
| 5 | DemIf_SetOperationCycleState | 100 % | 100 % | 1 of 1 passed |

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DemIf_RestartDem

 Project
 Demlf

 Module
 Demlf

 Test Object
 Demlf_RestartDem

Instrumentation: Test Object Only

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

Statistics

| Total Testcases | 1 | |
|-----------------|---|---|
| Successful | 1 | ~ |
| Failed | 0 | |
| Not Executed | 0 | |

| Project Root Directory D:\Synergy_Work_Area\PSA_DemIf | |
|--|--|
| Configuration File | D:\Synergy_Work_Area\PSA_DemIf\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)\Demif\src\Ap_Demif.c |
| Compiler Options | -I\$(PROJECTROOT)\Demlflutp\contract -I\$(PROJECTROOT)\NxtrLib\include -I\$(PROJECTROOT)\StdDef\include -ID:\ccsv4_\ccsv4\tools \compiler\tms470\include |

| Name | Text |
|----------------|---|
| Module 'Demif' | Name of Tester: Madhuparna Duarah Code File(s) Under Test: Ap_Demlf Code File(s) Version: 1 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: NAEter EPS Unit Test tool 2.7d/EPS Library 1.31 Total FLASH Used (Bytes): 24 Total RAM Used (Bytes): 0 Total CALS Used (Bytes): 0 Special Test Requirements: None Test Date: 04-21-2015 Comments: Note1:""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 | |
| Time Unit | Cycles | |
| Timer Enabled | false | |
| Timer Prescale | 0 | |
| Timer Resolution | | |
| UDE Config File | \$(PROJECTROOT)\UnitTestEnv\config\TMS570_UDE_12PIN_JTAG.cfg | |
| Workspace File | D:\Synergy_Work_Area\PSA_DemIf\UnitTestEnv\config\UDE_TMS570_DEBUG.WSP | |

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Demlf_RestartDem

Test Case 1: Boundary Test

Specification

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

TS1.1 229 Cycles

Description Vector Description:

TS1.1 Only Call trace is checked

Test Step 1.1 (Repeat Count = 1)

| T | | | V | |
|-----------------|-------|-------------------|-------|--------|
| Actual Function | Count | Expected Function | Count | Result |
| Dem_Init | 1 | Dem_Init | 1 | ~ |

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DemIf_DummyFunction

Project Demlf
Module Demlf

Test Object Demlf_DummyFunction

Instrumentation: Test Object Only

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

Statistics

| Total Testcases | 1 | |
|-----------------|---|---|
| Successful | 1 | ✓ |
| Failed | 0 | |
| Not Executed | 0 | |

| Project Root Directory | D:\Synergy_Work_Area\PSA_DemIf |
|------------------------|---|
| Configuration File | D:\Synergy_Work_Area\PSA_DemIf\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)\Demlf\src\Ap_Demlf.c |
| Compiler Options | -I\$(PROJECTROOT)\Demlflutp\contract -I\$(PROJECTROOT)\NxtrLib\\include -I\$(PROJECTROOT)\StdDef\\include -ID:\ccsv4_\ccsv4\\tools \compiler\tms470\\\include |

| lame | Text |
|----------------|--|
| Jodule 'Demif' | Name of Tester: Madhupama Duarah Code File(s) Under Test: Ap_Demlf Code File(s) Version: 1 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 1.31 Total FLASH Used (Bytes): 24 Total RAM Used (Bytes): 0 Special Test Requirements: None Test Date: 04-21-2015 Comments: Note1:""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 | |
| Time Unit | Cycles | |
| Timer Enabled | false | |
| Timer Prescale | 0 | |
| Timer Resolution | | |
| UDE Config File | \$(PROJECTROOT)\UnitTestEnv\config\TMS570_UDE_12PIN_JTAG.cfg | |
| Workspace File | D:\Synergy_Work_Area\PSA_DemIf\UnitTestEnv\config\UDE_TMS570_DEBUG.WSP | |

DemIf_DummyFunction

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Test Case 1: Boundary Test

Description Vector Description:

No inpur output variables present

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Demlf_DemShutdown

Project Demlf
Module Demlf

Test Object Demlf_DemShutdown

Instrumentation: Test Object Only

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

Statistics

| Total Testcases | 1 |
|-----------------|---|
| Successful | 1 |
| Failed | 0 |
| Not Executed | 0 |

| Project Root Directory | D:\Synergy_Work_Area\PSA_DemIf |
|------------------------|--|
| Configuration File | D:\Synergy_Work_Area\PSA_DemIf\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)\Demlf\src\Ap_Demlf.c |
| Compiler Options | -I\$(PROJECTROOT)\Demlflutp\contract -I\$(PROJECTROOT)\NxtrLib\include -I\$(PROJECTROOT)\StdDef\include -ID:\ccsv4_\ccsv4\tools \compiler\tms470\include |

| Name | Text |
|----------------|--|
| Module 'Demif' | Name of Tester: Madhuparna Duarah Code File(s) Under Test: Ap_Demlf Code File(s) Version: 1 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 1.31 Total FLASH Used (Bytes): 24 Total RAM Used (Bytes): 0 Total CALS Used (Bytes): 0 Special Test Requirements: None Test Date: 04-21-2015 Comments: Note1:""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 | \$(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 |
| 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\PSA_DemIf\UnitTestEnv\config\UDE_TMS570_DEBUG.WSP |

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Demlf_DemShutdown

Test Case 1: Boundary Test

Specification

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

TS1.1 226 Cycles

Description Vector Description:

TS1.1 Only Call trace is checked

Test Step 1.1 (Repeat Count = 1)

| T · | | | | V |
|-----------------|-------|-------------------|-------|--------|
| Actual Function | Count | Expected Function | Count | Result |
| Dem_Shutdown | 1 | Dem_Shutdown | 1 | ~ |

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DemIf_SetEventStatus

Project Demlf
Module Demlf

Test Object DemIf_SetEventStatus

Instrumentation: Test Object Only

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

Statistics

| Total Testcases | 1 | |
|-----------------|---|---|
| Successful | 1 | ✓ |
| Failed | 0 | |
| Not Executed | 0 | |

| Project Root Directory | D:\Synergy_Work_Area\PSA_DemIf |
|------------------------|--|
| Configuration File | D:\Synergy_Work_Area\PSA_DemIf\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)\Demlf\src\Ap_Demlf.c |
| Compiler Options | -I\$(PROJECTROOT)\Demlf\utp\contract -I\$(PROJECTROOT)\NxtrLib\include -I\$(PROJECTROOT)\StdDef\include -ID:\ccsv4_\ccsv4\tools \compiler\tms470\include |

| Name | Text |
|----------------|--|
| Module 'Demif' | Name of Tester: Madhuparna Duarah Code File(s) Under Test: Ap_Demlf Code File(s) Version: 1 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 1.31 Total FLASH Used (Bytes): 24 Total RAM Used (Bytes): 0 Total CALS Used (Bytes): 0 Special Test Requirements: None Test Date: 04-21-2015 Comments: Note1:""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 | | |
| Time Unit | Cycles | | |
| Timer Enabled | false | | |
| Timer Prescale | 0 | | |
| Timer Resolution | | | |
| UDE Config File | \$(PROJECTROOT)\UnitTestEnv\config\TMS570_UDE_12PIN_JTAG.cfg | | |
| Workspace File | D:\Synergy_Work_Area\PSA_DemIf\UnitTestEnv\config\UDE_TMS570_DEBUG.WSP | | |



Test Case 1: Boundary Test

Specification

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

CPU Cycles:

TS1.1 240 Cycles TS1.2 240 Cycles TS1.3 240 Cycles TS1.4 240 Cycles TS1.5 240 Cycles TS1.6 240 Cycles TS1.7 240 Cycles TS1.8 240 Cycles TS1.9 240 Cycles TS1.9 240 Cycles TS1.1 240 Cycles

Description Vector Description:

TS1.1 EventId min
TS1.2 EventId max
TS1.3 EventStatus min
TS1.5 EventStatus max
TS1.6 EventStatus pos
TS1.7 Dem_SetEventStatus=min
TS1.8 Dem_SetEventStatus=mix
TS1.9 Dem_SetEventStatus=mid
TS1.10 All min
TS1.11 All max

| Test Step 1.1 (Repeat Count = 1) | | | ✓ |
|----------------------------------|--------------|----------------|----------|
| Name | Input Value | | |
| Dem_SetEventStatus() | 0 | | |
| EventId | 0 | | |
| EventStatus | 45 | | |
| Name | Actual Value | Expected Value | Result |
| Demlf SetEventStatus() | 0 | 0 | ✓ |

| T | | | | ✓ |
|--------------------|-------|--------------------|-------|----------|
| Actual Function | Count | Expected Function | Count | Result |
| Dem SetEventStatus | 1 | Dem SetEventStatus | 1 | ✓ |

| Demlf_SetEventStatus() | 13 | 13 | ~ |
|----------------------------------|--------------|----------------|--------|
| Name | Actual Value | Expected Value | Result |
| EventStatus | 67 | | |
| EventId | 255 | | |
| Dem_SetEventStatus() | 13 | | |
| Name | Input Value | | |
| Test Step 1.2 (Repeat Count = 1) | | | |

| T | | | | ✓ |
|--------------------|-------|--------------------|-------|----------|
| Actual Function | Count | Expected Function | Count | Result |
| Dem_SetEventStatus | 1 | Dem_SetEventStatus | 1 | ~ |

| Test Step 1.3 (Repeat Count = 1) | | | ✓ |
|----------------------------------|--------------|----------------|----------|
| Name | Input Value | | |
| Dem_SetEventStatus() | 127 | | |
| EventId | 90 | | |
| EventStatus | 78 | | |
| Name | Actual Value | Expected Value | Result |
| Demlf_SetEventStatus() | 127 | 127 | ~ |

| Т | | | | ✓ |
|--------------------|-------|--------------------|-------|----------|
| Actual Function | Count | Expected Function | Count | Result |
| Dem_SetEventStatus | 1 | Dem_SetEventStatus | 1 | ~ |



DemIf_SetEventStatus

| Test Step 1.4 (Repeat Count = 1) | | | |
|----------------------------------|--------------|----------------|--------|
| Name | Input Value | | |
| Dem_SetEventStatus() | 45 | | |
| EventId | 34 | | |
| EventStatus | 0 | | |
| Name | Actual Value | Expected Value | Result |
| Demlf_SetEventStatus() | 45 | 45 | ~ |

| T | | | | ✓ |
|--------------------|-------|--------------------|-------|----------|
| Actual Function | Count | Expected Function | Count | Result |
| Dem_SetEventStatus | 1 | Dem_SetEventStatus | 1 | ~ |

| Test Step 1.5 (Repeat Count = 1) | | | |
|----------------------------------|--------------|----------------|--------|
| Name | Input Value | | |
| Dem_SetEventStatus() | 116 | | |
| EventId | 56 | | |
| EventStatus | 255 | | |
| Name | Actual Value | Expected Value | Result |
| Demlf_SetEventStatus() | 116 | 116 | ~ |

| T | | | | ✓ |
|--------------------|-------|--------------------|-------|----------|
| Actual Function | Count | Expected Function | Count | Result |
| Dem_SetEventStatus | 1 | Dem_SetEventStatus | 1 | ~ |

| Test Step 1.6 (Repeat Count = 1) | | | ✓ |
|----------------------------------|--------------|----------------|----------|
| Name | Input Value | | |
| Dem_SetEventStatus() | 31 | | |
| EventId | 67 | | |
| EventStatus | 65 | | |
| Name | Actual Value | Expected Value | Result |
| Demlf_SetEventStatus() | 31 | 31 | ~ |

| T | | | | | V |
|--------------------|-------|--------------------|-------|------|-----|
| Actual Function | Count | Expected Function | Count | Resi | ılt |
| Dem_SetEventStatus | 1 | Dem_SetEventStatus | 1 | | • |

| Test Step 1.7 (Repeat Count = 1) | | | |
|----------------------------------|--------------|----------------|--------|
| Name | Input Value | | |
| Dem_SetEventStatus() | 0 | | |
| EventId | 12 | | |
| EventStatus | 21 | | |
| Name | Actual Value | Expected Value | Result |
| Demlf_SetEventStatus() | 0 | 0 | ~ |

| T | | | ~ | |
|--------------------|-------|--------------------|-------|--------|
| Actual Function | Count | Expected Function | Count | Result |
| Dem_SetEventStatus | 1 | Dem_SetEventStatus | 1 | ~ |

| Test Step 1.8 (Repeat Count = 1) | | | ✓ |
|----------------------------------|--------------|----------------|--------|
| Name | Input Value | | |
| Dem_SetEventStatus() | 255 | | |
| EventId | 45 | | |
| EventStatus | 31 | | |
| Name | Actual Value | Expected Value | Result |
| Demlf_SetEventStatus() | 255 | 255 | ~ |

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DemIf_SetEventStatus

| T | | | V | |
|--------------------|-------|--------------------|-------|--------|
| Actual Function | Count | Expected Function | Count | Result |
| Dem_SetEventStatus | 1 | Dem_SetEventStatus | 1 | - |

| Test Step 1.9 (Repeat Count = 1) | | | ✓ |
|----------------------------------|--------------|----------------|--------|
| Name | Input Value | | |
| Dem_SetEventStatus() | 113 | | |
| EventId | 84 | | |
| EventStatus | 56 | | |
| Name | Actual Value | Expected Value | Result |
| Demlf_SetEventStatus() | 113 | 113 | |

| T | | ✓ | | |
|--------------------|-------|--------------------|-------|--------|
| Actual Function | Count | Expected Function | Count | Result |
| Dem_SetEventStatus | 1 | Dem_SetEventStatus | 1 | ~ |

| Test Step 1.10 (Repeat Count = 1) | | | ✓ |
|-----------------------------------|--------------|----------------|--------|
| Name | Input Value | | |
| Dem_SetEventStatus() | 0 | | |
| EventId | 0 | | |
| EventStatus | 0 | | |
| Name | Actual Value | Expected Value | Result |
| Demlf_SetEventStatus() | 0 | 0 | ~ |

| T | | | | V |
|--------------------|-------|--------------------|-------|--------|
| Actual Function | Count | Expected Function | Count | Result |
| Dem SetEventStatus | 1 | Dem SetEventStatus | 1 | ~ |

| Test Step 1.11 (Repeat Count = 1) | | | ✓ |
|-----------------------------------|--------------|----------------|----------|
| Name | Input Value | | |
| Dem_SetEventStatus() | 255 | | |
| EventId | 255 | | |
| EventStatus | 255 | | |
| Name | Actual Value | Expected Value | Result |
| Demlf_SetEventStatus() | 255 | 255 | ~ |

| Τ | | | ✓ | |
|--------------------|-------|--------------------|----------|--------|
| Actual Function | Count | Expected Function | Count | Result |
| Dem_SetEventStatus | 1 | Dem_SetEventStatus | 1 | ~ |

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Demlf_SetOperationCycleState

Project Demlf Module Demlf

Test Object Demlf_SetOperationCycleState

Instrumentation: Test Object Only

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

Statistics

| Total Testcases | 1 | |
|-----------------|---|---|
| Successful | 1 | ✓ |
| Failed | 0 | |
| Not Executed | 0 | |

| Project Root Directory | D:\Synergy_Work_Area\PSA_DemIf |
|------------------------|--|
| Configuration File | D:\Synergy_Work_Area\PSA_DemIf\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)\Demif\src\Ap_Demif.c |
| Compiler Options | -I\$(PROJECTROOT)\Demlf\utp\contract -I\$(PROJECTROOT)\NxtrLib\\include -I\$(PROJECTROOT)\StdDef\\include -ID:\ccsv4_\ccsv4\\tools \compiler\tms470\\include |

| Name | Text |
|----------------|--|
| Module 'Demif' | Name of Tester: Madhuparna Duarah Code File(s) Under Test: Ap_Demlf Code File(s) Version: 1 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 1.31 Total FLASH Used (Bytes): 24 Total RAM Used (Bytes): 0 Total CALS Used (Bytes): 0 Special Test Requirements: None Test Date: 04-21-2015 Comments: Note1:""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 |
| Time Unit | Cycles |
| Timer Enabled | false |
| Timer Prescale | 0 |
| Timer Resolution | |
| UDE Config File | \$(PROJECTROOT)\UnitTestEnv\config\TMS570_UDE_12PIN_JTAG.cfg |
| Workspace File | D:\Synergy_Work_Area\PSA_DemIf\UnitTestEnv\config\UDE_TMS570_DEBUG.WSP |



DemIf_SetOperationCycleState

Test Case 1: Boundary Test

Specification

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

CPU Cycles:

TS1.1 239 Cycles TS1.2 239Cycles TS1.3 239 Cycles TS1.4 239 Cycles TS1.5 239 Cycles TS1.6 239 Cycles TS1.7 239 Cycles TS1.8 239 Cycles

Description Vector Description:

TS1.1 NxtrOperationCycleId min TS1.2 NxtrOperationCycleId max TS1.3 NxtrOperationCycleId pos TS1.4 NxtrCycleState min TS1.5 NxtrCycleState max TS1.6 NxtrCycleState pos TS1.7 All min TS1.8 All max

| Test Step 1.1 (Repeat Count = 1) | | ✓ |
|----------------------------------|-------------|---|
| Name | Input Value | |
| NxtrCycleState | 45 | |
| NxtrOperationCycleId | 0 | |

| T | | | | | |
|----------------------------|-------|----------------------------|-------|------|----|
| Actual Function | Count | Expected Function | Count | Resu | it |
| Dem_SetOperationCycleState | 1 | Dem_SetOperationCycleState | 1 | | 1 |

| Test Step 1.2 (Repeat Count = 1) | |
|----------------------------------|-------------|
| Name | Input Value |
| NxtrCycleState | 67 |
| NxtrOperationCycleId | 255 |

| Τ | | | | ✓ |
|----------------------------|-------|----------------------------|-------|----------|
| Actual Function | Count | Expected Function | Count | Result |
| Dem SetOperationCycleState | 1 | Dem SetOperationCycleState | 1 | _ |

| Test Step 1.3 (Repeat Count = 1) | |
|----------------------------------|-------------|
| Name | Input Value |
| NxtrCycleState | 78 |
| NxtrOperationCycleId | 90 |

| T | | | | ✓ |
|----------------------------|-------|----------------------------|-------|----------|
| Actual Function | Count | Expected Function | Count | Result |
| Dem SetOperationCycleState | 1 | Dem SetOperationCycleState | 1 | ~ |

| Test Step 1.4 (Repeat Count = 1) | ✓ |
|----------------------------------|-------------|
| Name | Input Value |
| NxtrCycleState | 0 |
| NxtrOperationCycleId | 34 |

| T | | | | ✓ |
|----------------------------|-------|----------------------------|-------|----------|
| Actual Function | Count | Expected Function | Count | Result |
| Dem_SetOperationCycleState | 1 | Dem_SetOperationCycleState | 1 | ~ |

| Test Step 1.5 (Repeat Count = 1) | |
|----------------------------------|-------------|
| Name | Input Value |
| NxtrCycleState | 255 |

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Demlf_SetOperationCycleState

| Name | Input Value |
|----------------------|-------------|
| NxtrOperationCycleId | 56 |

| T | | 🗸 | | | |
|----------------------------|-------|----------------------------|-------|-------|----|
| Actual Function | Count | Expected Function | Count | Resul | it |
| Dem_SetOperationCycleState | 1 | Dem_SetOperationCycleState | 1 | • | |

| Test Step 1.6 (Repeat Count = 1) | | |
|----------------------------------|-------------|--|
| Name | Input Value | |
| NxtrCycleState | 65 | |
| NxtrOperationCycleId | 67 | |

| T | | | | |
|----------------------------|-------|----------------------------|-------|--------|
| Actual Function | Count | Expected Function | Count | Result |
| Dem_SetOperationCycleState | 1 | Dem_SetOperationCycleState | 1 | ~ |

| Test Step 1.7 (Repeat Count = 1) | | ✓ |
|----------------------------------|-------------|----------|
| Name | Input Value | |
| NxtrCycleState | 0 | |
| NxtrOperationCycleId | 0 | |

| T T | | | | ✓ | | |
|----------------------------|-------|----------------------------|-------|----------|--|--|
| Actual Function | Count | Expected Function | Count | Result | | |
| Dem SetOperationCycleState | 1 | Dem SetOperationCycleState | 1 | • | | |

| Test Step 1.8 (Repeat Count = 1) | | | | |
|----------------------------------|-------------|--|--|--|
| Name | Input Value | | | |
| NxtrCycleState | 255 | | | |
| NxtrOperationCvcleId | 255 | | | |

| T | | | | | |
|----------------------------|-------|----------------------------|-------|--------|--|
| Actual Function | Count | Expected Function | Count | Result | |
| Dem_SetOperationCycleState | 1 | Dem_SetOperationCycleState | 1 | ~ | |