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Bootloader (MBition VCPU)

Unit Test Results

version unknown



Bootloader (MBition VCPU)

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1. Test Results

Unit test run 2022-08-12T19:49:45.501000

Test Suite	Tests	Failed	Ignored
test_app_BIPduR_Cbk	5	0	0
test_APP_Prg	2	0	0
test_BL_Nvm	1	0	0
test_BL_Plugin_CDD_DoipMostGateway	38	0	0
test_bl_plugin_TxDxM3I9R0	24	0	0
test_BM_Cbk	1	0	0
test_BswM	1	0	0
test_CDD_CPLD	26	0	0
test_CDD_DoipMostGateway	7	0	0
test_CDD_PowerSequence	33	0	0
test_ComM	1	0	0
test_csmwrapper	28	0	0
test_Dem	1	0	0
test_DoIPUsr_Cbk	10	0	0
test_PartitionSwitchSWC	34	0	0
test_PowerSequence	0	0	0
test_PROG_Cbk	33	0	0
test_PROG_Rootkey	1	0	0
test_SA_Cbk	1	0	0
test_SchM	1	0	0
test_Shell	0	0	0
test_swc_frwd_MSoC	115	0	0
test_swc_iccdiagnostics	0	0	0
test_swc_iccsupwup_flashing	0	0	0
test_swc_loHwAbs	1	0	0
test_swc_swupMOST	14	0	0
Total	378	0	0

1. Test suite test_app_BIPduR_Cbk

0001	Application_BIPduR_cbk.BIPduR_GetRxPduld_SkeletonTest-Case	PASS
Title	Unit Test for Function BIPduR_GetRxPduld()	
Description	Checks if the get function returns expected value of stNoIntShareVar.ubRxPduld	
REQUIREMENT		
FUNCTION UNDER TEST		
SWUD		
<i>Failure Details</i>		
0002	Application_BIPduR_cbk.BIPduR_StoreRxPduld_Skeleton-TestCase	PASS
Title	Unit Test for Function BIPduR_StoreRxPduld()	
Description	Checks if set function stores value into stNoIntShareVar.ubRxPduld	
REQUIREMENT		
FUNCTION UNDER TEST		
SWUD		
<i>Failure Details</i>		
0003	Application_BIPduR_cbk.BIPduR_Custom_RequestCommuni-cationUp_SkeletonTestCase	PASS
Title	Unit Test for Function BIPduR_Custom_RequestCommunicationUp()	
Description	Check if the function EthSM_RequestComMode() and DoIP_Activation-LineSwitchActive() are called.	
REQUIREMENT		
FUNCTION UNDER TEST		
SWUD		
<i>Failure Details</i>		
0004	Application_BIPduR_cbk.BIPduR_Custom_RequestCommuni-cationDown_SkeletonTestCase	PASS
Title	Unit Test for Function BIPduR_Custom_RequestCommunicationDown()	

0004	Application_BIPduR_cbk.BIPduR_Custom_RequestCommuni- cationDown_SkeletonTestCase	PASS
Description	Check if the function EthSM_RequestComMode() and EthSM_GetCurrentCom- Mode() and DoIP_ActivationLineSwitchInactive are called.	
REQUIREMENT		
FUNCTION UNDER TEST		
SWUD		
<i>Failure Details</i>		

0006	Application_BIPduR_cbk.BIPduR_Custom_Com_Deacti- vate_SkeletonTestCase	PASS
Title	Unit Test for Function BIPduR_Custom_Com_Deactivate()	
Description		
REQUIREMENT		
FUNCTION UNDER TEST		
SWUD		
<i>Failure Details</i>		

2. Test suite test_APP_Prg

(n/a)	APP_Prg.APP_ReadMOSTDiagRoutingTable_1	PASS
<i>Failure Details</i>		

(n/a)	APP_Prg.APP_ReadMOSTDiagRoutingTable_2	PASS
<i>Failure Details</i>		

3. Test suite test_BL_Nvm

(n/a)	BL_Nvm.BL_Nvm_Test	PASS
<i>Failure Details</i>		

4. Test suite test_BL_Plugin_CDD_DoipMostGateway

0001	CddDoipMostGateway.CddDoipMostGateway_RxIndication_coverage_purpose	PASS
Title	Unit Test for Function CddDoipMostGateway_RxIndication()	
Description	Check the service which is Called by DOIP through PduR to notify a Pdu reception Body of the function is empty, writing test case for coverage purpose.	
REQUIREMENT		
FUNCTION UNDER TEST		
SWUD		
Failure Details		
0002	CddDoipMostGateway.CddDoipMostGateway_StartOfReception_BufferSizePtr_EQ_NULL_PTR	PASS
Title	Unit Test for Function CddDoipMostGateway_StartOfReception()	
Description	Check the service which is called by the receiving Tp module, through PduR, requesting a TP-buffer. where BufferSizePtr == NULL_PTR returns TBUFREQ_E_NOT_OK result: Return result of buffer request.	
REQUIREMENT		
FUNCTION UNDER TEST		
SWUD		
Failure Details		
0003	CddDoipMostGateway.CddDoipMostGateway_StartOfReception_BufferSizePtr_NEQ_NULL_PTR	PASS
Title	Unit Test for Function CddDoipMostGateway_StartOfReception()	
Description	Check the service which is called by the receiving Tp module, through PduR, requesting a TP-buffer. where BufferSizePtr != NULL_PTR and TpSduLength != 0U returns BUFREQ_OK result: Return result of buffer request.	
REQUIREMENT		
FUNCTION UNDER TEST		
SWUD		

0003	CddDoipMostGateway.CddDoipMostGateway_StartOfReception_BufferSizePtr_NEQ_NULL_PTR	PASS
<i>Failure Details</i>		
0004	CddDoipMostGateway.CddDoipMostGateway_StartOfReception_TpSduLen_Greaterthan_CDDDoipPhysicalBufferSize	PASS
Title	Unit Test for Function CddDoipMostGateway_StartOfReception()	
Description	Check the service which is called by the receiving Tp module, through PduR, requesting a TP-buffer. where BufferSizePtr != NULL_PTR and TpSduLength > CDDDoipMostGatewayPhysicalBufferSize returns BUFREQ_E_OVFL result: Return result of buffer request.	
REQUIREMENT		
FUNCTION UNDER TEST		
SWUD		
<i>Failure Details</i>		
0005	CddDoipMostGateway.CddDoipMostGateway_StartOfReception_TpSduLen_EQ_Zero	PASS
Title	Unit Test for Function CddDoipMostGateway_StartOfReception()	
Description	Check the service which is called by the receiving Tp module, through PduR, requesting a TP-buffer. where BufferSizePtr != NULL_PTR and TpSduLength > CDDDoipMostGatewayPhysicalBufferSize returns BUFREQ_E_OVFL result: Return result of buffer request.	
REQUIREMENT		
FUNCTION UNDER TEST		
SWUD		
<i>Failure Details</i>		
0006	CddDoipMostGateway.CddDoipMostGateway_StartOfReception_TpSduLen_Greater	PASS
Title	Unit Test for Function CddDoipMostGateway_StartOfReception()	
Description	Check the service which is called by the receiving Tp module, through PduR, requesting a TP-buffer. where BufferSizePtr != NULL_PTR and TpSduLength > CDDDoipMostGatewayPhysicalBufferSize returns BUFREQ_E_OVFL result: Return result of buffer request.	
REQUIREMENT		

0006	CddDoipMostGateway.CddDoipMostGateway_StartOfReception_TpSduLen_Greater	PASS
FUNCTION UNDER TEST		
SWUD		
<i>Failure Details</i>		

0007	CddDoipMostGateway.CddDoipMostGateway_CopyRxData_BuFsiz_and_Pduptr_neq_NULLPTR	PASS
Title	Unit Test for Function CddDoipMostGateway_CopyRxData()	
Description	Check the service which is called by the receiving Tp module, through PduR, requesting a TP-buffer. where BufferSizePtr != NULL_PTR and PduInfoPtr != NULLPTR returns retDataCopyResult -> result: Return result of buffer request.	
REQUIREMENT		
FUNCTION UNDER TEST		
SWUD		
<i>Failure Details</i>		

0008	CddDoipMostGateway.CddDoipMostGateway_CopyRxData_BuFsiz_eq_NULLPTR	PASS
Title	Unit Test for Function CddDoipMostGateway_CopyRxData()	
Description	Check the service which is called by the receiving Tp module, through PduR, requesting a TP-buffer. where BufferSizePtr == NULL_PTR returns retDataCopyResult -> BUFREQ_E_NOT_OK result: Return result of buffer request.	
REQUIREMENT		
FUNCTION UNDER TEST		
SWUD		
<i>Failure Details</i>		

0009	CddDoipMostGateway.CddDoipMostGateway_CopyRxData_PduInfoPtr_eq_NULLPTR	PASS
Title	Unit Test for Function CddDoipMostGateway_CopyRxData()	
Description	Check the service which is called by the receiving Tp module, through PduR, requesting a TP-buffer. where PduInfoPtr == NULL_PTR returns retDataCopyResult -> BUFREQ_E_NOT_OK result: Return result of buffer request.	

0009	CddDoipMostGateway.CddDoipMostGateway_CopyRxData_PduInfoPtr_eq_NULLPTR	PASS
REQUIREMENT		
FUNCTION UNDER TEST		
SWUD		
<i>Failure Details</i>		

0010	CddDoipMostGateway.CddDoipMostGateway_CopyRxData_BufPtr_PduInfoPtr_eq_NULLPTR	PASS
Title	Unit Test for Function CddDoipMostGateway_CopyRxData()	
Description	Check the service which is called by the receiving Tp module, through PduR, requesting a TP-buffer. where BufferSizePtr == NULL_PTR & PduInfoPtr == NULL_PTR returns retDataCopyResult -> BUFREQ_E_NOT_OK result: Return result of buffer request.	
REQUIREMENT		
FUNCTION UNDER TEST		
SWUD		
<i>Failure Details</i>		

0011	CddDoipMostGateway.CddDoipMostGateway_CopyRxData_BufPtr_PduInfoPtr_neq_NULLPTR	PASS
Title	Unit Test for Function CddDoipMostGateway_CopyRxData()	
Description	Check the service which is called by the receiving Tp module, through PduR, requesting a TP-buffer. where BufferSizePtr != NULL_PTR & PduInfoPtr != NULL_PTR returns retDataCopyResult -> BUFREQ_E_NOT_OK result: Return result of buffer request.	
REQUIREMENT		
FUNCTION UNDER TEST		
SWUD		
<i>Failure Details</i>		

0012	CddDoipMostGateway.CddDoipMostGateway_CopyRxData_InfoState_neq_Buf_in_progress	PASS
Title	Unit Test for Function CddDoipMostGateway_CopyRxData()	

0012	CddDoipMostGateway.CddDoipMostGateway_CopyRxData_InfoState_neq_Buf_in_progress	PASS
Description	Check the service which is called by the receiving Tp module, through PduR, requesting a TP-buffer. where stMOSTGWRxPhysBufferInfo.state != MOST-GW_BUF_RX_IN_PROGRESS returns retDataCopyResult -> BUFREQ_E_NOT_OK result: Return result of buffer request.	
REQUIREMENT		
FUNCTION UNDER TEST		
SWUD		
<i>Failure Details</i>		

0013	CddDoipMostGateway.CddDoipMostGateway_CopyRxData_PduInfoPtr_SduLength_eq_zero	PASS
Title	Unit Test for Function CddDoipMostGateway_CopyRxData()	
Description	Check the service which is called by the receiving Tp module, through PduR, requesting a TP-buffer. where stMOSTGWRxPhysBufferInfo.state == MOST-GW_BUF_RX_IN_PROGRESS returns retDataCopyResult -> BUFREQ_OK result: Return result of buffer request.	
REQUIREMENT		
FUNCTION UNDER TEST		
SWUD		
<i>Failure Details</i>		

0014	CddDoipMostGateway.CddDoipMostGateway_CopyRxData_Buinfo_NotGrth_Sdulength	PASS
Title	Unit Test for Function CddDoipMostGateway_CopyRxData()	
Description	Check the service which is called by the receiving Tp module, through PduR, requesting a TP-buffer. where stMOSTGWRxPhysBufferInfo.receivedLen = 240U returns retDataCopyResult -> BUFREQ_E_NOT_OK result: Return result of buffer request.	
REQUIREMENT		
FUNCTION UNDER TEST		
SWUD		
<i>Failure Details</i>		

0015	CddDoipMostGateway.CddDoipMostGateway_TpRxIndication_coverage	PASS
Title	Unit Test for Function CddDoipMostGateway_TpRxIndication()	
Description	Check the service which is called by the Tp module, through PduR, after an I-PDU has been received successfully or when an error occurred. It is also used to confirm cancellation of an I-PDU.. result: Return result of the reception.	
REQUIREMENT		
FUNCTION UNDER TEST		
SWUD		
<i>Failure Details</i>		

0016	CddDoipMostGateway.CddDoipMostGateway_CopyTxData_TxPduId_Grth_CDDDoipMostGateway_MAX_TX_PDU_NUM	PASS
Title	Unit Test for Function CddDoipMostGateway_CopyTxData()	
Description	Check the service which is called by the sending Tp module, through PduR, requesting a TP-buffer where TxPduId is greater than CDDDoipMostGateway_MAX_TX_PDU_NUM and returns BUFREQ_E_NOT_OK result: Return result of the reception.	
REQUIREMENT		
FUNCTION UNDER TEST		
SWUD		
<i>Failure Details</i>		

0017	CddDoipMostGateway.CddDoipMostGateway_CopyTxData_TxPduId_Isth_CDDDoipMostGateway_MAX_TX_PDU_NUM	PASS
Title	Unit Test for Function CddDoipMostGateway_CopyTxData()	
Description	Check the service which is called by the sending Tp module, through PduR, requesting a TP-buffer where TxPduId is lesser than CDDDoipMostGateway_MAX_TX_PDU_NUM and returns BUFREQ_OK result: Return result of the reception.	
REQUIREMENT		
FUNCTION UNDER TEST		
SWUD		
<i>Failure Details</i>		

0018	CddDoipMostGateway.CddDoipMostGateway_CopyTxData_PdulInfoPtr_and_AvailDataPtr_eq_NULLPTR	PASS
Title	Unit Test for Function CddDoipMostGateway_CopyTxData()	
Description	Check the service which is called by the sending Tp module, through PduR, requesting a TP-buffer where TxPduId is lesser than CDDDoipMostGateway_MAX_TX_PDU_NUM and returns BUFREQ_OK result: Return result of the reception.	
REQUIREMENT		
FUNCTION UNDER TEST		
SWUD		
Failure Details		

0019	CddDoipMostGateway.CddDoipMostGateway_TpTxConfirmation_ResBufferInfo_state_eq_MOSTGW_BUFF_TX_CONFIRMATION	PASS
Title	Unit Test for Function CddDoipMostGateway_TpTxConfirmation()	
Description	Check the service which is called by the Tp module, through PduR, after the I-PDU has been transmitted on its network, the result will reveal if the transmission was successful or not. result: result of the transmission of the I-PDU.	
REQUIREMENT		
FUNCTION UNDER TEST		
SWUD		
Failure Details		

0020	CddDoipMostGateway.CddDoipMostGateway_TpTxConfirmation_ResBufferInfo_state_NEQ_MOSTGW_BUFF_TX_CONFIRMATION	PASS
Title	Unit Test for Function CddDoipMostGateway_TpTxConfirmation()	
Description	Check the service which is called by the Tp module, through PduR, after the I-PDU has been transmitted on its network, the result will reveal if the transmission was successful or not. result: result of the transmission of the I-PDU.	
REQUIREMENT		
FUNCTION UNDER TEST		
SWUD		

0020	CddDoipMostGateway.CddDoipMostGateway_TpTxConfirmation_ResBufferInfo_state_NEQ_MOSTGW_BUFF_TX_CONFIRMATION	PASS
<i>Failure Details</i>		

0021	CddDoipMostGateway.CddDoipMostGateway_DiagRespCallback_Payload_and_Payloadlen_eq_NULLPTR	PASS
Title	Unit Test for Function CddDoipMostGateway_DiagRespCallback()	
Description	Check the service which is called by the MOST AMS module, through PduR, after a response is received from the MOST external Amplifier result: return of the transmission value of the I-PDU.	
REQUIREMENT		
FUNCTION UNDER TEST		
SWUD		
<i>Failure Details</i>		

0022	CddDoipMostGateway.CddDoipMostGateway_DiagRespCallback_Payload_and_Payloadlen_neq_NULLPTR	PASS
Title	Unit Test for Function CddDoipMostGateway_DiagRespCallback()	
Description	Check the service which is called by the MOST AMS module, through PduR, after a response is received from the MOST external Amplifier result: return of the transmission value of the I-PDU.	
REQUIREMENT		
FUNCTION UNDER TEST		
SWUD		
<i>Failure Details</i>		

0023	CddDoipMostGateway.CddDoipMostGateway_DiagRespCallback_stMOSTGWResBufferInfo_state_eq_MOSTGW_BUFF_IDLE	PASS
Title	Unit Test for Function CddDoipMostGateway_DiagRespCallback()	
Description	Check the service which is called by the MOST AMS module, through PduR, after a response is received from the MOST external Amplifier result: return of the transmission value of the I-PDU.	
REQUIREMENT		

0023	CddDoipMostGateway.CddDoipMostGateway_DiagRespCallback_stMOSTGWResBufferInfo_state_eq_MOSTGW_BUFF_IDLE	PASS
FUNCTION UNDER TEST		
SWUD		
<i>Failure Details</i>		
0024	CddDoipMostGateway.CddDoipMostGateway_DiagRespCallback_retVal_eq_EOK	PASS
Title	Unit Test for Function CddDoipMostGateway_DiagRespCallback()	
Description	Check the service which is called by the MOST AMS module, through PduR, after a response is received from the MOST external Amplifier result: return of the transmission value of the I-PDU.	
REQUIREMENT		
FUNCTION UNDER TEST		
SWUD		
<i>Failure Details</i>		
0025	CddDoipMostGateway.CddDoipMostGatewayTransmit_ExtAmp_SND7_AMS	PASS
Title	Unit Test for Function CddDoipMostGatewayTransmit()	
Description	Check the service which is called by the MOST AMS module, through PduR, after a response is received from the MOST external Amplifier result: return of the transmission value of the I-PDU.	
REQUIREMENT		
FUNCTION UNDER TEST		
SWUD		
<i>Failure Details</i>		
0026	CddDoipMostGateway.CddDoipMostGatewayTransmit_ExtAmp_SND7_SWDL	PASS
Title	Unit Test for Function CddDoipMostGatewayTransmit()	
Description	Check the service which is called by the MOST AMS module, through PduR, after a response is received from the MOST external Amplifier result: return of the transmission value of the I-PDU.	

0026	CddDoipMostGateway.CddDoipMostGatewayTransmit_ExtAmp_SND7_SWDL	PASS
REQUIREMENT		
FUNCTION UNDER TEST		
SWUD		
<i>Failure Details</i>		

0027	CddDoipMostGateway.CddDoipMostGatewayTransmit_-MOST_ASX7_AMS	PASS
Title	Unit Test for Function CddDoipMostGatewayTransmit()	
Description	Check the service which is called by the MOST AMS module, through PduR, after a response is received from the MOST external Amplifier result: return of the transmission value of the I-PDU.	
REQUIREMENT		
FUNCTION UNDER TEST		
SWUD		
<i>Failure Details</i>		

0028	CddDoipMostGateway.CddDoipMostGatewayTransmit_-MOST_ASX7_SWDL	PASS
Title	Unit Test for Function CddDoipMostGatewayTransmit()	
Description	Check the service which is called by the MOST AMS module, through PduR, after a response is received from the MOST external Amplifier result: return of the transmission value of the I-PDU.	
REQUIREMENT		
FUNCTION UNDER TEST		
SWUD		
<i>Failure Details</i>		

0029	CddDoipMostGateway.CddDoipMostGatewayTransmit_default	PASS
Title	Unit Test for Function CddDoipMostGatewayTransmit()	
Description	Check the service which is called by the MOST AMS module, through PduR, after a response is received from the MOST external Amplifier result: return of the transmission value of the I-PDU.	

0029	CddDoipMostGateway.CddDoipMostGatewayTransmit_default	PASS
REQUIREMENT		
FUNCTION UNDER TEST		
SWUD		
<i>Failure Details</i>		
0030	CddDoipMostGateway.CddDoipMostGateway_MainFunction_stMOSTGWResBufferInfo_state_eq_FAILED_RETRY_PENDING	PASS
Title	Unit Test for Function CddDoipMostGateway_MainFunction()	
Description	Check the service which is called by the MOST AMS module, through PduR, after a response is received from the MOST external Amplifier result: return of the transmission value of the I-PDU.	
REQUIREMENT		
FUNCTION UNDER TEST		
SWUD		
<i>Failure Details</i>		
0031	CddDoipMostGateway.CddDoipMostGateway_MainFunction_Maxnumberofretries_eq_zero	PASS
Title	Unit Test for Function CddDoipMostGateway_MainFunction()	
Description	Check the service which is called by the MOST AMS module, through PduR, after a response is received from the MOST external Amplifier result: return of the transmission value of the I-PDU.	
REQUIREMENT		
FUNCTION UNDER TEST		
SWUD		
<i>Failure Details</i>		
0032	CddDoipMostGateway.CddDoipMostGateway_MainFunction_stMOSTGWResBufferInfo_state_eq_BUFF_IDLE	PASS
Title	Unit Test for Function CddDoipMostGateway_MainFunction()	
Description	Check the service which is called by the MOST AMS module, through PduR, after a response is received from the MOST external Amplifier result: return of the transmission value of the I-PDU.	

0032	CddDoipMostGateway.CddDoipMostGateway_MainFunction_stMOSTGWResBufferInfo_state_eq_BUFF_IDLE	PASS
REQUIREMENT		
FUNCTION UNDER TEST		
SWUD		
<i>Failure Details</i>		

0033	CddDoipMostGateway.CddDoipMostGateway_MainFunction_Maxnumberofretries_eq_0	PASS
Title	Unit Test for Function CddDoipMostGateway_MainFunction()	
Description	Check the service which is called by the MOST AMS module, through PduR, after a response is received from the MOST external Amplifier result: return of the transmission value of the I-PDU.	
REQUIREMENT		
FUNCTION UNDER TEST		
SWUD		
<i>Failure Details</i>		

0034	CddDoipMostGateway.CddDoipMostGateway_CopyRxData_PduInfoPtr_SduLength	PASS
Title	Unit Test for Function CddDoipMostGateway_CopyRxData()	
Description	Check the service which is called by the receiving Tp module, through PduR, requesting a TP-buffer. where BufferSizePtr != NULL_PTR and PduInfoPtr != NULLPTR returns retDataCopyResult -> result: Return result of buffer request.	
REQUIREMENT		
FUNCTION UNDER TEST		
SWUD		
<i>Failure Details</i>		

0035	CddDoipMostGateway.CddDoipMostGateway_CopyTxData_RetryInfoPtr_eq_NULLPTR	PASS
Title	Unit Test for Function CddDoipMostGateway_CopyTxData()	
Description	Check the service which is called by the sending Tp module, through PduR, requesting a TP-buffer where TxPduId is lesser than CDDDoipMostGate-	

0035	CddDoipMostGateway.CddDoipMostGateway_CopyTxData_RetryInfoPtr_eq_NULLPTR	PASS
	way_MAX_TX_PDU_NUM and returns BUFREQ_OK result: Return result of the reception.	
REQUIREMENT		
FUNCTION UNDER TEST		
SWUD		
<i>Failure Details</i>		

0036	CddDoipMostGateway.CddDoipMostGateway_CopyRxData_PduInfoPtr_SduLength_eqZero	PASS
Title	Unit Test for Function CddDoipMostGateway_CopyRxData()	
Description	Check the service which is called by the receiving Tp module, through PduR, requesting a TP-buffer. where BufferSizePtr != NULL_PTR and PduInfoPtr != NULLPTR returns retDataCopyResult -> result: Return result of buffer request.	
REQUIREMENT		
FUNCTION UNDER TEST		
SWUD		
<i>Failure Details</i>		

0036	CddDoipMostGateway.CddDoipMostGateway_DiagRespCallback_Payloadlen_Lessth_CDDDoipMostGWResBufSize	PASS
Title	Unit Test for Function CddDoipMostGateway_DiagRespCallback()	
Description	Check the service which is called by the MOST AMS module, through PduR, after a response is received from the MOST external Amplifier result: return of the transmission value of the I-PDU.	
REQUIREMENT		
FUNCTION UNDER TEST		
SWUD		
<i>Failure Details</i>		

0037	CddDoipMostGateway.CddDoipMostGateway_DiagRespCallback_Payloadlen_Greaterth_CDDDoipMostGWResBufSize	PASS
Title	Unit Test for Function CddDoipMostGateway_DiagRespCallback()	

0037	CddDoipMostGateway.CddDoipMostGateway_DiagRespCall-back_Payloadlen_Greaterth_CDDDoipMostGWResBufSize	PASS
Description	Check the service which is called by the MOST AMS module, through PduR, after a response is received from the MOST external Amplifier result: return of the transmission value of the I-PDU.	
REQUIREMENT		
FUNCTION UNDER TEST		
SWUD		
<i>Failure Details</i>		

5. Test suite test_bl_plugin_TxDxM3I9R0

0001	UDS_LongRequestEnd.UDS_LongRequestEnd_UDS_LONG_REQ_OFF	PASS
Title	UDS_LongRequestEnd	
Description	Check invalid state "m_stLongRequest.m_eState = UDS_LONG_REQ_OFF" The function "Transmit_eraseMemory_Response()" is not called and "VCPU_flashing=0"	
REQUIREMENT		
FUNCTION UNDER TEST		
SWUD		
<i>Failure Details</i>		

0002	UDS_LongRequestEnd.UDS_LongRequestEnd_invalid_data_NULL_PTR	PASS
Title	UDS_LongRequestEnd	
Description	Check invalid input "aubUdsData = NULL_PTR" The function "Transmit_eraseMemory_Response()" is not called. and "VCPU_flashing=1"	
REQUIREMENT		
FUNCTION UNDER TEST		
SWUD		
<i>Failure Details</i>		

0003	UDS_LongRequestEnd.UDS_LongRequestEnd_invalid_data_0	PASS
Title	UDS_LongRequestEnd	
Description	Check invalid input "aubUdsData = aubUdsData_invalid_0 [] = {0x00}" The functions "Transmit_writeFingerprint()", Transmit_eraseMemory_Response() , Transmit_requestDownload() , Transmit_requestTransferData() , Transmit_checkMemory_Response() , Transmit_requestTransferExit_Response() are not called and "VCPU_flashing=1"	
REQUIREMENT		
FUNCTION UNDER TEST		
SWUD		
Failure Details		

0004	UDS_LongRequestEnd.UDS_LongRequestEnd_invalid_data_1	PASS
Title	UDS_LongRequestEnd	
Description	Check invalid input "aubUdsData = aubUdsData_invalid_1 [] = {0x31, 0x01, 0x00, 0x00}" The functions "Transmit_writeFingerprint()", Transmit_eraseMemory_Response() , Transmit_requestDownload() , Transmit_requestTransferData() , Transmit_checkMemory_Response() , Transmit_requestTransferExit_Response() are not called and "VCPU_flashing=1"	
REQUIREMENT		
FUNCTION UNDER TEST		
SWUD		
Failure Details		

0005	UDS_LongRequestEnd.UDS_LongRequestEnd_writeFingerprint_invalid_data	PASS
Title	UDS_LongRequestEnd	
Description	Check invalid input "aubUdsData = aubUdsData_writeFingerprint_invalid[] = {0x2E, 0xF1, 0x51}" The functions "Transmit_writeFingerprint()", Transmit_eraseMemory_Response() , Transmit_requestDownload() , Transmit_requestTransferData() , Transmit_checkMemory_Response() , Transmit_requestTransferExit_Response() are not called and "VCPU_flashing=1"	
REQUIREMENT		
FUNCTION UNDER TEST		

0005	UDS_LongRequestEnd.UDS_LongRequestEnd_writeFinger-print_invalid_data	PASS
SWUD		
<i>Failure Details</i>		
0006	UDS_LongRequestEnd.UDS_LongRequestEnd_eraseMemory	PASS
Title	UDS_LongRequestEnd	
Description	Check valid input for call of function "Transmit_eraseMemory_Response()" The function "Transmit_eraseMemory_Response()" is called and VCPU_flashing flag is set back to 0	
REQUIREMENT		
FUNCTION UNDER TEST		
SWUD		
<i>Failure Details</i>		
(n/a)	UDS_LongRequestEnd.UDS_LongRequestEnd_writeFinger-print	PASS
<i>Failure Details</i>		
0018	UDS_LongRequestEnd.UDS_LongRequestEnd_writeFinger-print_invalidlength	PASS
Title	UDS_LongRequestEnd	
Description	Check invalid length for call of function "Transmit_writeFingerprint()" The function "Transmit_writeFingerprint()" is not called and VCPU_flashing flag is set back to 1	
REQUIREMENT		
FUNCTION UNDER TEST		
SWUD		
<i>Failure Details</i>		
0008	UDS_LongRequestEnd.UDS_LongRequestEnd_requestDown-load	PASS
Title	UDS_LongRequestEnd	
Description	Check valid input for call of function "Transmit_requestDownload()" The function "Transmit_requestDownload()" is called and VCPU_flashing flag is set back to 0	
REQUIREMENT		

0008	UDS_LongRequestEnd.UDS_LongRequestEnd_requestDown-load	PASS
FUNCTION UNDER TEST		
SWUD		
<i>Failure Details</i>		

0009	UDS_LongRequestEnd.UDS_LongRequestEnd_requestTransferData	PASS
Title	UDS_LongRequestEnd	
Description	Check valid input for call of function "Transmit_requestTransferData()" The function "Transmit_requestTransferData()" is called and VCPU_flashing flag is set back to 0	
REQUIREMENT		
FUNCTION UNDER TEST		
SWUD		
<i>Failure Details</i>		

0010	UDS_LongRequestEnd.UDS_LongRequestEnd_requestTransferExit	PASS
Title	UDS_LongRequestEnd	
Description	Check valid input for call of function "Transmit_requestTransferExit_Response()" The function "Transmit_requestTransferExit_Response()" is called and VCPU_flashing flag is set back to 0	
REQUIREMENT		
FUNCTION UNDER TEST		
SWUD		
<i>Failure Details</i>		

0011	UDS_LongRequestEnd.UDS_LongRequestEnd_checkMemory	PASS
Title	UDS_LongRequestEnd	
Description	Check valid input for call of function "Transmit_checkMemory_Response()" The function "Transmit_checkMemory_Response()" is called and VCPU_flashing flag is set back to 0	
REQUIREMENT		

0011	UDS_LongRequestEnd.UDS_LongRequestEnd_checkMemory	PASS
FUNCTION UNDER TEST		
SWUD		
<i>Failure Details</i>		

0012	UDS_LongRequestEnd.UDS_LongRequestEnd_eraseMemory_vcpu_flag_disabled	PASS
Title	UDS_LongRequestEnd	
Description	Check valid input for call of function "Transmit_eraseMemory_Response()" with disabled VCPU_flashing flag The function "Transmit_eraseMemory_Response()" is not called and VCPU_flashing flag is still 0.	
REQUIREMENT		
FUNCTION UNDER TEST		
SWUD		
<i>Failure Details</i>		

0013	UDS_LongRequestEnd.UDS_LongRequestEnd_writeFingerprint_vcpu_flag_disabled	PASS
Title	UDS_LongRequestEnd	
Description	Check valid input for call of function "Transmit_writeFingerprint()" with disabled VCPU_flashing flag The function "Transmit_writeFingerprint()" is called and VCPU_flashing flag is still 0.	
REQUIREMENT		
FUNCTION UNDER TEST		
SWUD		
<i>Failure Details</i>		

0014	UDS_LongRequestEnd.UDS_LongRequestEnd_requestDownload_vcpu_flag_disabled	PASS
Title	UDS_LongRequestEnd	
Description	Check valid input for call of function "Transmit_requestDownload()" with disabled VCPU_flashing flag The function "Transmit_requestDownload()" is called and VCPU_flashing flag is still 0.	
REQUIREMENT		

0014	UDS_LongRequestEnd.UDS_LongRequestEnd_requestDown-load_vcpu_flag_disabled	PASS
FUNCTION UNDER TEST		
SWUD		
<i>Failure Details</i>		

0015	UDS_LongRequestEnd.UDS_LongRequestEnd_requestTransferData_vcpu_flag_disabled	PASS
Title	UDS_LongRequestEnd	
Description	Check valid input for call of function "Transmit_requestTransferData()" with disabled VCPU_flashing flag The function "Transmit_requestTransferData()" is called and VCPU_flashing flag is still 0.	
REQUIREMENT		
FUNCTION UNDER TEST		
SWUD		
<i>Failure Details</i>		

0016	UDS_LongRequestEnd.UDS_LongRequestEnd_requestTransferExit_vcpu_flag_disabled	PASS
Title	UDS_LongRequestEnd	
Description	Check valid input for call of function "Transmit_requestTransferExit_Response()" with disabled VCPU_flashing flag The function "Transmit_requestTransferExit_Response()" is called and VCPU_flashing flag is still 0.	
REQUIREMENT		
FUNCTION UNDER TEST		
SWUD		
<i>Failure Details</i>		

0017	UDS_LongRequestEnd.UDS_LongRequestEnd_checkMemory_vcpu_flag_disabled	PASS
Title	UDS_LongRequestEnd	
Description	Check valid input for call of function "Transmit_checkMemory_Response()" with disabled VCPU_flashing flag The function "Transmit_checkMemory_Response()" is called and VCPU_flashing flag is still 0.	

0017	UDS_LongRequestEnd.UDS_LongRequestEnd_checkMemory_vcpu_flag_disabled	PASS
REQUIREMENT		
FUNCTION UNDER TEST		
SWUD		
<i>Failure Details</i>		
0018	UDS_LongRequestEnd.UDS_LongRequestEnd_chkProgDependencies	PASS
Title	UDS_LongRequestEnd	
Description	Check valid input for call of function "Transmit_chkProgDependencies_Response()" The function "Transmit_chkProgDependencies_Response()" is called and VCPU_flashing flag is set back to 0	
REQUIREMENT		
FUNCTION UNDER TEST		
SWUD		
<i>Failure Details</i>		
0019	UDS_LongRequestEnd.UDS_LongRequestEnd_chkProgDependencies_vcpu_flag_disabled	PASS
Title	UDS_LongRequestEnd	
Description	Check valid input for call of function "Transmit_chkProgDependencies_Response()" with disabled VCPU_flashing flag The function "Transmit_chkProgDependencies_Response()" is called and VCPU_flashing flag is still 0.	
REQUIREMENT		
FUNCTION UNDER TEST		
SWUD		
<i>Failure Details</i>		
0021	UDS_LongRequestEnd.UDS_LongRequestEnd_InstallStatus_aubUdsData_not_NULL_PTR	PASS
Title	UDS_LongRequestEnd	
Description	Check invalid input "aubUdsData != NULL_PTR"	
REQUIREMENT		

0021	UDS_LongRequestEnd.UDS_LongRequestEnd_InstallStatus_aubUdsData_not_NULL_PTR	PASS
FUNCTION UNDER TEST		
SWUD		
<i>Failure Details</i>		

0022	UDS_LongRequestEnd.UDS_LongRequestEnd_InstallStatus_aubUdsData_eq_NULLPTR	PASS
Title	UDS_LongRequestEnd	
Description	Check invalid input "aubUdsData == NULL_PTR"	
REQUIREMENT		
FUNCTION UNDER TEST		
SWUD		
<i>Failure Details</i>		

0023	UDS_LongRequestEnd.UDS_LongRequestEnd_InstallStatus_UDS_LONG_REQ_END	PASS
Title	UDS_LongRequestEnd	
Description	Check invalid input m_stLongRequest.m_eState != UDS_LONG_REQ_ON;	
REQUIREMENT		
FUNCTION UNDER TEST		
SWUD		
<i>Failure Details</i>		

0024	UDS_LongRequestEnd.UDS_LongRequestEnd_InstallStatus_aubUdsData_NULL_PTR	PASS
Title	UDS_LongRequestEnd	
Description	Check invalid input m_stLongRequest.m_eState != UDS_LONG_REQ_ON & aubUdsData == NULL_PTR	
REQUIREMENT		
FUNCTION UNDER TEST		
SWUD		

0024	UDS_LongRequestEnd.UDS_LongRequestEnd_InstallStatus_aubUdsData_NULL_PTR	PASS
<i>Failure Details</i>		

6. Test suite test_BM_Cbk

0001	BM_Cbk.BM_SoftwareInit_INIT_PATTERN	PASS
Title	Test BM_SoftwareInit()	
Description	Check that HSM Status Information is set to Valid and Init pattern flag is set properly for both Banks	
REQUIREMENT		
FUNCTION UNDER TEST	BM_SoftwareInit();	
SWUD		
<i>Failure Details</i>		

7. Test suite test_BswM

(n/a)	BswM.BswM_Test	PASS
<i>Failure Details</i>		

8. Test suite test_CDD_CPLD

0001	CDD_CPLD.CDD_CPLD_Cyclic_TestCase_1	PASS
Title	Unit Test for Function CDD_CPLD_Cyclic()	
Description	Dummy Testcase just for coverage	
REQUIREMENT		
FUNCTION UNDER TEST		
SWUD		

0001	CDD_CPLD.CDD_CPLD_Cyclic_TestCase_1	PASS
<i>Failure Details</i>		
0002	CDD_CPLD.CDD_CPLD_Init_TestCase_1	PASS
Title	Unit Test for Function CDD_CPLD_Init()	
Description	Dummy Testcase just for coverage	
REQUIREMENT		
FUNCTION UNDER TEST		
SWUD		
<i>Failure Details</i>		
0003	CDD_CPLD.CDD_CPLD_ReadFullVersion_v_TestCase_1	PASS
Title	Unit Test for Function CDD_CPLD_ReadFullVersion_v()	
Description	Check when Spi_SyncTransmit() returns E_OK Must pass through CPLD_UART_TRACE_VALUE()	
REQUIREMENT		
FUNCTION UNDER TEST		
SWUD		
<i>Failure Details</i>		
0004	CDD_CPLD.CDD_CPLD_ReadFullVersion_v_TestCase_2	PASS
Title	Unit Test for Function CDD_CPLD_ReadFullVersion_v()	
Description	Check when Spi_SyncTransmit() returns E_NOT_OK Must pass through CPLD_UART_TRACE_VALUE() && version_ui32 == CPLD_FWVER_INVALID	
REQUIREMENT		
FUNCTION UNDER TEST		
SWUD		
<i>Failure Details</i>		
0005	CDD_CPLD.CDD_CPLD_VersionSupportConfig_v_TestCase_1	PASS
Title	Unit Test for Function CDD_CPLD_VersionSupportConfig_v()	
Description	Dummy Testcase Just for coverage, CPLD_VersionSuppStatus must equal input of CDD_CPLD_VersionSupportConfig_v()	

0005	CDD_CPLD.CDD_CPLD_VersionSupportConfig_v_TestCase_1	PASS
REQUIREMENT		
FUNCTION UNDER TEST		
SWUD		
<i>Failure Details</i>		

0006	CDD_CPLD.CDD_Cpld_u8SPIWrite_TestCase_1	PASS
Title	Unit Test for Function CDD_Cpld_u8SPIWrite()	
Description	Check when Spi_SyncTransmit() returns E_NOT_OK return of CDD_Cpld_u8SPIWrite() must equal E_NOT_OK	
REQUIREMENT		
FUNCTION UNDER TEST		
SWUD		
<i>Failure Details</i>		

0007	CDD_CPLD.CDD_Cpld_u8SPIRead_TestCase_1	PASS
Title	Unit Test for Function CDD_Cpld_u8SPIRead()	
Description	Check when Spi_SyncTransmit() returns E_NOT_OK return of CDD_Cpld_u8SPIRead() must equal E_NOT_OK && Must pass through CPLD_UART_TRACE_VALUE()	
REQUIREMENT		
FUNCTION UNDER TEST		
SWUD		
<i>Failure Details</i>		

0008	CDD_CPLD.CDD_Cpld_u8SPIRead_TestCase_2	PASS
Title	Unit Test for Function CDD_Cpld_u8SPIRead()	
Description	Check when Spi_SyncTransmit() returns E_OK return of CDD_Cpld_u8SPIRead() must equal E_OK	
REQUIREMENT		
FUNCTION UNDER TEST		
SWUD		

0008	CDD_CPLD.CDD_Cpld_u8SPIRead_TestCase_2	PASS
<i>Failure Details</i>		
0009	CDD_CPLD.CDD_Cpld_WriteRegMaskbit_TestCase_1	PASS
Title	Unit Test for Function CDD_Cpld_WriteRegMaskbit()	
Description	Check when Spi_SyncTransmit() returns E_NOT_OK return of CDD_Cpld_WriteRegMaskbit() must equal E_NOT_OK	
REQUIREMENT		
FUNCTION UNDER TEST		
SWUD		
<i>Failure Details</i>		
0010	CDD_CPLD.CDD_Cpld_WriteRegMaskbit_TestCase_2	PASS
Title	Unit Test for Function CDD_Cpld_WriteRegMaskbit()	
Description	Check when Spi_SyncTransmit() returns E_OK return of CDD_Cpld_WriteRegMaskbit() must equal E_OK	
REQUIREMENT		
FUNCTION UNDER TEST		
SWUD		
<i>Failure Details</i>		
0011	CDD_CPLD.CDD_Cpld_WriteRegMaskbit_TestCase_3	PASS
Title	Unit Test for Function CDD_Cpld_WriteRegMaskbit()	
Description	Check when Spi_SyncTransmit() returns E_OK return of CDD_Cpld_WriteRegMaskbit() must equal E_OK	
REQUIREMENT		
FUNCTION UNDER TEST		
SWUD		
<i>Failure Details</i>		
0012	CDD_CPLD.CDD_Cpld_WriteRegMaskbit_TestCase_4	PASS
Title	Unit Test for Function CDD_Cpld_WriteRegMaskbit()	
Description	Check when Spi_SyncTransmit() returns E_OK return of CDD_Cpld_WriteRegMaskbit() must equal E_OK	

0012	CDD_CPLD.CDD_Cpld_WriteRegMaskbit_TestCase_4	PASS
REQUIREMENT		
FUNCTION UNDER TEST		
SWUD		
<i>Failure Details</i>		
0013	CDD_CPLD.CDD_CPLD_PortExtender_DioRead_v_Test-Case_1	PASS
Title	Unit Test for Function CDD_CPLD_PortExtender_DioRead_v()	
Description	Check when Spi_SyncTransmit() returns E_OK && CPLD_VersionSuppStatus == CPLD_EN_CURR_VERSION_NOTSUPPORT return of CDD_CPLD_PortExtender_DioRead_v() must equal E_NOT_OK && must pass through CPLD_UART_TRACE_STRING()	
REQUIREMENT		
FUNCTION UNDER TEST		
SWUD		
<i>Failure Details</i>		
0014	CDD_CPLD.CDD_CPLD_PortExtender_DioRead_v_Test-Case_2	PASS
Title	Unit Test for Function CDD_CPLD_PortExtender_DioRead_v()	
Description	Check when Spi_SyncTransmit() returns E_NOT_OK && CPLD_VersionSuppStatus == CPLD_EN_CURR_VERSION_SUPPORT return of CDD_CPLD_PortExtender_DioRead_v() must equal E_NOT_OK && must pass through CPLD_UART_TRACE_STRING()	
REQUIREMENT		
FUNCTION UNDER TEST		
SWUD		
<i>Failure Details</i>		
0015	CDD_CPLD.CDD_CPLD_PortExtender_DioRead_v_Test-Case_3	PASS
Title	Unit Test for Function CDD_CPLD_PortExtender_DioRead_v()	
Description	Check when Spi_SyncTransmit() returns E_NOT_OK && CPLD_VersionSuppStatus == CPLD_EN_CURR_VERSION_SUPPORT return of CDD_CPLD_	

0015	CDD_CPLD.CDD_CPLD_PortExtender_DioRead_v_Test-Case_3	PASS
	PortExtender_DioRead_v() must equal E_OK && must pass through CPLD_UART_TRACE_VALUE()	
REQUIREMENT		
FUNCTION UNDER TEST		
SWUD		
<i>Failure Details</i>		

0016	CDD_CPLD.CDD_CPLD_PortExtender_DioWrite_v_Test-Case_1	PASS
Title	Unit Test for Function CDD_CPLD_PortExtender_DioWrite_v()	
Description	CPLD_VersionSuppStatus == CPLD_EN_CURR_VERSION_NOTSUPPORT return of CDD_CPLD_PortExtender_DioWrite_v() must equal E_NOT_OK	
REQUIREMENT		
FUNCTION UNDER TEST		
SWUD		
<i>Failure Details</i>		

0017	CDD_CPLD.CDD_CPLD_PortExtender_DioWrite_v_Test-Case_2	PASS
Title	Unit Test for Function CDD_CPLD_PortExtender_DioWrite_v()	
Description	Check when Spi_SyncTransmit() returns E_NOT_OK && CPLD_VersionSuppStatus == CPLD_EN_CURR_VERSION_SUPPORT return of CDD_CPLD_PortExtender_DioWrite_v() must equal E_NOT_OK && must pass through CPLD_UART_TRACE_VALUE()	
REQUIREMENT		
FUNCTION UNDER TEST		
SWUD		
<i>Failure Details</i>		

0018	CDD_CPLD.CDD_CPLD_PortExtender_DioWrite_v_Test-Case_3	PASS
Title	Unit Test for Function CDD_CPLD_PortExtender_DioWrite_v()	

0018	CDD_CPLD.CDD_CPLD_PortExtender_DioWrite_v_Test-Case_3	PASS
Description	Check when Spi_SyncTransmit() returns E_NOT_OK && CPLD_VersionSupportStatus == CPLD_EN_CURR_VERSION_SUPPORT return of CDD_CPLD_PortExtender_DioWrite_v() must equal E_NOT_OK && must pass through CPLD_UART_TRACE_VALUE()	
REQUIREMENT		
FUNCTION UNDER TEST		
SWUD		
<i>Failure Details</i>		

0019	CDD_CPLD.CDD_CPLD_PortExtender_DioWrite_v_Test-Case_4	PASS
Title	Unit Test for Function CDD_CPLD_PortExtender_DioWrite_v()	
Description	Check when Spi_SyncTransmit() returns E_NOT_OK && CPLD_VersionSupportStatus == CPLD_EN_CURR_VERSION_SUPPORT return of CDD_CPLD_PortExtender_DioWrite_v() must equal E_NOT_OK && must pass through CPLD_UART_TRACE_VALUE()	
REQUIREMENT		
FUNCTION UNDER TEST		
SWUD		
<i>Failure Details</i>		

0020	CDD_CPLD.CDD_CPLD_PortExtender_DioWrite_v_Test-Case_5	PASS
Title	Unit Test for Function CDD_CPLD_PortExtender_DioWrite_v()	
Description	Check when Spi_SyncTransmit() returns E_NOT_OK && CPLD_VersionSupportStatus == CPLD_EN_CURR_VERSION_SUPPORT return of CDD_CPLD_PortExtender_DioWrite_v() must equal E_NOT_OK && must pass through CPLD_UART_TRACE_VALUE()	
REQUIREMENT		
FUNCTION UNDER TEST		
SWUD		
<i>Failure Details</i>		

0021	CDD_CPLD.CDD_CPLD_PortExtender_DioWrite_v_Test-Case_6	PASS
Title	Unit Test for Function CDD_CPLD_PortExtender_DioWrite_v()	
Description	Check when Spi_SyncTransmit() returns E_NOT_OK && CPLD_VersionSuppStatus == CPLD_EN_CURR_VERSION_SUPPORT return of CDD_CPLD_PortExtender_DioWrite_v() must equal E_NOT_OK && must pass through CPLD_UART_TRACE_VALUE()	
REQUIREMENT		
FUNCTION UNDER TEST		
SWUD		
<i>Failure Details</i>		

0022	CDD_CPLD.CDD_CPLD_PortExtender_DioWrite_v_Test-Case_7	PASS
Title	Unit Test for Function CDD_CPLD_PortExtender_DioWrite_v()	
Description	Check when Spi_SyncTransmit() returns E_NOT_OK && CPLD_VersionSuppStatus == CPLD_EN_CURR_VERSION_SUPPORT return of CDD_CPLD_PortExtender_DioWrite_v() must equal E_NOT_OK && must pass through CPLD_UART_TRACE_VALUE()	
REQUIREMENT		
FUNCTION UNDER TEST		
SWUD		
<i>Failure Details</i>		

0023	CDD_CPLD.CDD_CPLD_PortExtender_DioWrite_v_Test-Case_8	PASS
Title	Unit Test for Function CDD_CPLD_PortExtender_DioWrite_v()	
Description	Check when Spi_SyncTransmit() returns E_NOT_OK && CPLD_VersionSuppStatus == CPLD_EN_CURR_VERSION_SUPPORT return of CDD_CPLD_PortExtender_DioWrite_v() must equal E_NOT_OK && must pass through CPLD_UART_TRACE_VALUE()	
REQUIREMENT		
FUNCTION UNDER TEST		
SWUD		

0023	CDD_CPLD.CDD_CPLD_PortExtender_DioWrite_v_Test-Case_8	PASS
<i>Failure Details</i>		

0024	CDD_CPLD.CDD_CPLD_PortExtender_DioWrite_v_Test-Case_9	PASS
Title	Unit Test for Function CDD_CPLD_PortExtender_DioWrite_v()	
Description	Check when Spi_SyncTransmit() returns E_NOT_OK && CPLD_VersionSuppStatus == CPLD_EN_CURR_VERSION_SUPPORT return of CDD_CPLD_PortExtender_DioWrite_v() must equal E_NOT_OK && must pass through CPLD_UART_TRACE_VALUE()	
REQUIREMENT		
FUNCTION UNDER TEST		
SWUD		
<i>Failure Details</i>		

0025	CDD_CPLD.CDD_CPLD_PortExtender_DioWrite_v_Test-Case_10	PASS
Title	Unit Test for Function CDD_CPLD_PortExtender_DioWrite_v()	
Description	Check when Spi_SyncTransmit() returns E_NOT_OK && CPLD_VersionSuppStatus == CPLD_EN_CURR_VERSION_SUPPORT return of CDD_CPLD_PortExtender_DioWrite_v() must equal E_NOT_OK && must pass through CPLD_UART_TRACE_VALUE()	
REQUIREMENT		
FUNCTION UNDER TEST		
SWUD		
<i>Failure Details</i>		

0026	CDD_CPLD.CDD_CPLD_PortExtender_DioWrite_v_Test-Case_11	PASS
Title	Unit Test for Function CDD_CPLD_PortExtender_DioWrite_v()	
Description	Check when Spi_SyncTransmit() returns E_NOT_OK && CPLD_VersionSuppStatus == CPLD_EN_CURR_VERSION_SUPPORT return of CDD_CPLD_PortExtender_DioWrite_v() must equal E_NOT_OK && must pass through CPLD_UART_TRACE_VALUE()	

0026	CDD_CPLD.CDD_CPLD_PortExtender_DioWrite_v_Test-Case_11	PASS
REQUIREMENT		
FUNCTION UNDER TEST		
SWUD		
<i>Failure Details</i>		

9. Test suite test_CDD_DoipMostGateway

0001	CddDoipMostGateway_Cbk.UsrTpRxIndication_SND7_AMS_-REQUEST	PASS
Title	Unit Test for Function CddDoipMostGateway_UsrTpRxIndication()	
Description	Check the implementation of callback functions called from CddDoipMostGateway module where NTFRSLT_OK == Result && NWM_CR_FindFirstInstance returns TRUE && SND7_AMS_REQUEST == RxPduld result: Function DF-BAMP_DiagGateRxIndication_SND7_AMS is called.	
REQUIREMENT		
FUNCTION UNDER TEST		
SWUD		
<i>Failure Details</i>		

0002	CddDoipMostGateway_Cbk.UsrTpRxIndication_SND7_-SWDL_REQUEST	PASS
Title	Unit Test for Function CddDoipMostGateway_UsrTpRxIndication()	
Description	Check the implementation of callback functions called from CddDoipMostGateway module where NTFRSLT_OK == Result && NWM_CR_FindFirstInstance returns TRUE && SND7_SWDL_REQUEST == RxPduld result: Function Invoke_udsRequest_SWC_SwUpdateMOST is called.	
REQUIREMENT		
FUNCTION UNDER TEST		
SWUD		
<i>Failure Details</i>		

0003	CddDoipMostGateway_Cbk.UsrTpRxIndication_NWM_CR_-FindFirstInstance_ret_0	PASS
Title	Unit Test for Function CddDoipMostGateway_UsrTpRxIndication()	
Description	Check the implementation of callback functions called from CddDoipMostGateway module where NTFRSLT_OK == Result && NWM_CR_FindFirstInstance returns FALSE && SND7_AMS_REQUEST == RxPduld result: No functions are called, control moves to else "Diag FBlock is not available"	
REQUIREMENT		
FUNCTION UNDER TEST		
SWUD		
<i>Failure Details</i>		

0004	CddDoipMostGateway_Cbk.UsrTpRxIndication_Result_NTFRSLT_E_NOT_OK	PASS
Title	Unit Test for Function CddDoipMostGateway_UsrTpRxIndication()	
Description	Check the implementation of callback functions called from CddDoipMostGateway module where NTFRSLT_OK != Result result: No functions are called, control moves to else block "Error occurred during reception ""	
REQUIREMENT		
FUNCTION UNDER TEST		
SWUD		
<i>Failure Details</i>		

0005	CddDoipMostGateway_Cbk.UsrTpRxIndication_ASX7_AMS_-REQUEST	PASS
Title	Unit Test for Function CddDoipMostGateway_UsrTpRxIndication()	
Description	Check the implementation of callback functions called from CddDoipMostGateway module where NTFRSLT_OK == Result && NWM_CR_FindFirstInstance returns TRUE && ASX7_AMS_REQUEST == RxPduld result: Function DF-BAMP_DiagGateRxIndication_ASX7_AMS is called.	
REQUIREMENT		
FUNCTION UNDER TEST		
SWUD		
<i>Failure Details</i>		

0006	CddDoipMostGateway_Cbk.UsrTpRxIndication_ASX7_-SWDL_REQUEST	PASS
Title	Unit Test for Function CddDoipMostGateway_UsrTpRxIndication()	
Description	Check the implementation of callback functions called from CddDoipMostGateway module where NTFRSLT_OK == Result && NWM_CR_FindFirstInstance returns TRUE && ASX7_SWDL_REQUEST == RxPduld result: Function Invoke_udsRequest_SWC_SwUpdateMOST is called.	
REQUIREMENT		
FUNCTION UNDER TEST		
SWUD		
<i>Failure Details</i>		

0007	CddDoipMostGateway_Cbk.UsrTpRxIndication_default_case	PASS
Title	Unit Test for Function CddDoipMostGateway_UsrTpRxIndication()	
Description	Check the implementation of callback functions called from CddDoipMostGateway module where RxPduld is set to invalid value. result: No functions are called, the default case of the switch is called.	
REQUIREMENT		
FUNCTION UNDER TEST		
SWUD		
<i>Failure Details</i>		

10. Test suite test_CDD_PowerSequence

0001	CDD_PowerSequence.CDD_PowerSequence_Reset_VCPU_-Test	PASS
Title	Unit Test for Function CDD_PowerSequence_Reset_VCPU()	
Description	Check if Mcu_PerformReset() is called or not.	
REQUIREMENT		
FUNCTION UNDER TEST		
SWUD		
<i>Failure Details</i>		

0002	CDD_PowerSequence.CDD_PowerSequence_RE_SetMsoc-Cmd_Test_1	PASS
Title	Unit Test for Function CDD_PowerSequence_RE_SetMsocCmd()	
Description	Check if((McPowerState == 1) && (State == PWR_GW_MODE_RUN)) CDD_-PwrSeq_MSOC_Started must equal TRUE;	
REQUIREMENT		
FUNCTION UNDER TEST		
SWUD		
<i>Failure Details</i>		

0003	CDD_PowerSequence.CDD_PowerSequence_RE_SetMsoc-Cmd_Test_2	PASS
Title	Unit Test for Function CDD_PowerSequence_RE_SetMsocCmd()	
Description	Check if((McPowerState == 0) && (State == PWR_MSOC_MODE_RUN)) CDD_PwrSeq_MSOC_Started must equal TRUE;	
REQUIREMENT		
FUNCTION UNDER TEST		
SWUD		
<i>Failure Details</i>		

0004	CDD_PowerSequence.CDD_PowerSequence_RE_SetMsoc-Cmd_Test_3	PASS
Title	Unit Test for Function CDD_PowerSequence_RE_SetMsocCmd()	
Description	Check if((McPowerState == 0) && (State == PWR_GW_MODE_RUN)) PwrSeq_StartStatemachine() must not be called	
REQUIREMENT		
FUNCTION UNDER TEST		
SWUD		
<i>Failure Details</i>		

0028	CDD_PowerSequence.CDD_PowerSequence_RE_SetMsoc-Cmd_Test_4	PASS
Title	Unit Test for Function CDD_PowerSequence_RE_SetMsocCmd()	

0028	CDD_PowerSequence.CDD_PowerSequence_RE_SetMsoc- Cmd_Test_4	PASS
Description	Check if((McPowerState == 1) && (State == PWR_MSOC_MODE_RUN)) PwrSeq_StartStatemachine() must not be called	
REQUIREMENT		
FUNCTION UNDER TEST		
SWUD		
<i>Failure Details</i>		
0029	CDD_PowerSequence.CDD_PowerSequence_RE_SetMsoc- Cmd_Test_5	PASS
Title	Unit Test for Function CDD_PowerSequence_RE_SetMsocCmd()	
Description	Check if((McPowerState == 2) && (State == PWR_UNINIT)) PwrSeq_StartS- tatemachine() must not be called	
REQUIREMENT		
FUNCTION UNDER TEST		
SWUD		
<i>Failure Details</i>		
0030	CDD_PowerSequence.CDD_PowerSequence_RE_SetMsoc- Cmd_Test_6	PASS
Title	Unit Test for Function CDD_PowerSequence_RE_SetMsocCmd()	
Description	Check if((McPowerState == 2) && (State == PWR_GW_MODE_RUN)) PwrSeq_StartStatemachine() must not be called	
REQUIREMENT		
FUNCTION UNDER TEST		
SWUD		
<i>Failure Details</i>		
0031	CDD_PowerSequence.CDD_PowerSequence_RE_SetMsoc- Cmd_Test_7	PASS
Title	Unit Test for Function CDD_PowerSequence_RE_SetMsocCmd()	
Description	Check if((McPowerState == 1) && (State == PWR_UNINIT)) PwrSeq_StartS- tatemachine() must not be called	

0031	CDD_PowerSequence.CDD_PowerSequence_RE_SetMsoc-Cmd_Test_7	PASS
REQUIREMENT		
FUNCTION UNDER TEST		
SWUD		
<i>Failure Details</i>		

0032	CDD_PowerSequence.CDD_PowerSequence_RE_SetMsoc-Cmd_Test_8	PASS
Title	Unit Test for Function CDD_PowerSequence_RE_SetMsocCmd()	
Description	Check if((McPowerState == 2) && (State == PWR_UNINIT)) PwrSeq_StartStatemachine() must not be called	
REQUIREMENT		
FUNCTION UNDER TEST		
SWUD		
<i>Failure Details</i>		

0005	CDD_PowerSequence.CDD_PowerSequence_Start_MSOC_Test_1	PASS
Title	Unit Test for Function CDD_PowerSequence_Start_MSOC()	
Description	Check if(State == PWR_GW_MODE_RUN) PwrSeq_StartStatemachine() must be called, CDD_PwrSeq_MSOC_Started must = TRUE, CDD_PwrSeq_MSOC_Stopped must = FALSE;	
REQUIREMENT		
FUNCTION UNDER TEST		
SWUD		
<i>Failure Details</i>		

0006	CDD_PowerSequence.CDD_PowerSequence_Start_MSOC_Test_2	PASS
Title	Unit Test for Function CDD_PowerSequence_Start_MSOC()	
Description	Check if(State != PWR_GW_MODE_RUN) PwrSeq_StartStatemachine() must not be called.	

0006	CDD_PowerSequence.CDD_PowerSequence_Start_MSOC_-Test_2	PASS
REQUIREMENT		
FUNCTION UNDER TEST		
SWUD		
<i>Failure Details</i>		

0007	CDD_PowerSequence.CDD_PowerSequence_Stopp_MSOC_-Test_1	PASS
Title	Unit Test for Function CDD_PowerSequence_Stopp_MSOC()	
Description	Check if(State == PWR_MSOC_MODE_RUN) PwrSeq_StartStatemachine() must be called && CDD_PwrSeq_MSOC_Stopped must = TRUE	
REQUIREMENT		
FUNCTION UNDER TEST		
SWUD		
<i>Failure Details</i>		

0008	CDD_PowerSequence.CDD_PowerSequence_Stopp_MSOC_-Test_2	PASS
Title	Unit Test for Function CDD_PowerSequence_Stopp_MSOC()	
Description	Check if(State == PWR_GW_MODE_RUN) PwrSeq_StartStatemachine() must not be called && CDD_PwrSeq_MSOC_Stopped must = TRUE	
REQUIREMENT		
FUNCTION UNDER TEST		
SWUD		
<i>Failure Details</i>		

0009	CDD_PowerSequence.CDD_PowerSequence_Stopp_MSOC_-Test_3	PASS
Title	Unit Test for Function CDD_PowerSequence_Stopp_MSOC()	
Description	Check if((State != PWR_GW_MODE_RUN)&&(State != PWR_MSOC_MODE_RUN)) PwrSeq_StartStatemachine() must not be called && CDD_PwrSeq_MSOC_Stopped must != TRUE	

0009	CDD_PowerSequence.CDD_PowerSequence_Stopp_MSOC_Test_3	PASS
REQUIREMENT		
FUNCTION UNDER TEST		
SWUD		
<i>Failure Details</i>		

0010	CDD_PowerSequence.CDD_PowerSequence_Stopp_VCPU_Test_1	PASS
Title	Unit Test for Function CDD_PowerSequence_Stopp_VCPU()	
Description	Check if(State == PWR_GW_MODE_RUN) PwrSeq_StartStatemachine() must be called && CDD_PwrSeq_VCPU_Stopped must = TRUE	
REQUIREMENT		
FUNCTION UNDER TEST		
SWUD		
<i>Failure Details</i>		

0011	CDD_PowerSequence.CDD_PowerSequence_Stopp_VCPU_Test_2	PASS
Title	Unit Test for Function CDD_PowerSequence_Stopp_VCPU()	
Description	Check if(State != PWR_GW_MODE_RUN) PwrSeq_StartStatemachine() must NOT be called && CDD_PwrSeq_VCPU_Stopped must != TRUE	
REQUIREMENT		
FUNCTION UNDER TEST		
SWUD		
<i>Failure Details</i>		

0012	CDD_PowerSequence.CDD_PowerSequence_RE_PowerSeq-Cyclic_Test_1	PASS
Title	Unit Test for Function CDD_PowerSequence_RE_PowerSeqCyclic()	
Description	Check if(State == PWR_GW_MODE_RUN) && CDD_PwrSeq_VCPU_Started == TRUE CDD_PwrSeq_VCPU_Started must = FALSE	
REQUIREMENT		

0012	CDD_PowerSequence.CDD_PowerSequence_RE_PowerSeq-Cyclic_Test_1	PASS
FUNCTION UNDER TEST		
SWUD		
<i>Failure Details</i>		
0013	CDD_PowerSequence.CDD_PowerSequence_RE_PowerSeq-Cyclic_Test_2	PASS
Title	Unit Test for Function CDD_PowerSequence_RE_PowerSeqCyclic()	
Description	Check if(State == PWR_GW_MODE_RUN) && CDD_PwrSeq_VCPU_Started == 3 CDD_PwrSeq_VCPU_Started must = 3 as it has not to enter the condition	
REQUIREMENT		
FUNCTION UNDER TEST		
SWUD		
<i>Failure Details</i>		
0014	CDD_PowerSequence.CDD_PowerSequence_RE_PowerSeq-Cyclic_Test_3	PASS
Title	Unit Test for Function CDD_PowerSequence_RE_PowerSeqCyclic()	
Description	Check if(State == PWR_UNINIT) && CDD_PwrSeq_VCPU_Started == TRUE CDD_PwrSeq_VCPU_Started must = TRUE as it has not to enter the condition	
REQUIREMENT		
FUNCTION UNDER TEST		
SWUD		
<i>Failure Details</i>		
0015	CDD_PowerSequence.CDD_PowerSequence_RE_PowerSeq-Cyclic_Test_4	PASS
Title	Unit Test for Function CDD_PowerSequence_RE_PowerSeqCyclic()	
Description	Check if(State == PWR_MSOC_MODE_RUN) && CDD_PwrSeq_MSOC_Started == TRUE CDD_PwrSeq_MSOC_Started must != TRUE	
REQUIREMENT		
FUNCTION UNDER TEST		

0015	CDD_PowerSequence.CDD_PowerSequence_RE_PowerSeq-Cyclic_Test_4	PASS
SWUD		
<i>Failure Details</i>		

0016	CDD_PowerSequence.CDD_PowerSequence_RE_PowerSeq-Cyclic_Test_5	PASS
Title	Unit Test for Function CDD_PowerSequence_RE_PowerSeqCyclic()	
Description	Check if(State == PWR_MSOC_MODE_RUN) && CDD_PwrSeq_MSOC_Started == 3 CDD_PwrSeq_MSOC_Started must = 3 as it has not to enter the condition	
REQUIREMENT		
FUNCTION UNDER TEST		
SWUD		
<i>Failure Details</i>		

0017	CDD_PowerSequence.CDD_PowerSequence_RE_PowerSeq-Cyclic_Test_6	PASS
Title	Unit Test for Function CDD_PowerSequence_RE_PowerSeqCyclic()	
Description	Check if(State == PWR_UNINIT) && CDD_PwrSeq_MSOC_Started == TRUE CDD_PwrSeq_MSOC_Started must = TRUE as it has not to enter the condition	
REQUIREMENT		
FUNCTION UNDER TEST		
SWUD		
<i>Failure Details</i>		

0018	CDD_PowerSequence.CDD_PowerSequence_RE_PowerSeq-Cyclic_Test_7	PASS
Title	Unit Test for Function CDD_PowerSequence_RE_PowerSeqCyclic()	
Description	Check if ((Idx == 0) && (EthSM_Network[0].EthSMState == 1)) EthSM_Tr-cvLinkStateChg() has to be entered && LinkState = 1	
REQUIREMENT		
FUNCTION UNDER TEST		
SWUD		

0018	CDD_PowerSequence.CDD_PowerSequence_RE_PowerSeq-Cyclic_Test_7	PASS
<i>Failure Details</i>		
0019	CDD_PowerSequence.CDD_PowerSequence_RE_PowerSeq-Cyclic_Test_8	PASS
Title	Unit Test for Function CDD_PowerSequence_RE_PowerSeqCyclic()	
Description	Check if ((Idx == 0) && (EthSM_Network[0].EthSMState == 4)) EthSM_Tr-cvLinkStateChg() has to be entered && LinkState = 1	
REQUIREMENT		
FUNCTION UNDER TEST		
SWUD		
<i>Failure Details</i>		
0020	CDD_PowerSequence.CDD_PowerSequence_RE_PowerSeq-Cyclic_Test_9	PASS
Title	Unit Test for Function CDD_PowerSequence_RE_PowerSeqCyclic()	
Description	Check if ((Idx == 0) && (EthSM_Network[0].EthSMState == 4)) EthSM_Tr-cvLinkStateChg() has to be NOT entered && LinkState reserves its initial value	
REQUIREMENT		
FUNCTION UNDER TEST		
SWUD		
<i>Failure Details</i>		
0021	CDD_PowerSequence.CDD_PowerSequence_RE_PowerSeq-Cyclic_Test_10	PASS
Title	Unit Test for Function CDD_PowerSequence_RE_PowerSeqCyclic()	
Description	Check if ((Idx == 0) && (EthSM_Network[0].EthSMState == 0) && (EthSM_-Network[0].TrcvLinkState ==1)) EthSM_TrvcLinkStateChg() has to be entered && LinkState = 0	
REQUIREMENT		
FUNCTION UNDER TEST		
SWUD		
<i>Failure Details</i>		

0022	CDD_PowerSequence.CDD_PowerSequence_RE_PowerSeq-Cyclic_Test_11	PASS
Title	Unit Test for Function CDD_PowerSequence_RE_PowerSeqCyclic()	
Description	Check if ((Idx == 0) && (EthSM_Network[0].EthSMState == 0) && (EthSM_Network[0].TrcvLinkState == 2)) EthSM_TrvcLinkStateChg() has to be NOT entered && LinkState reserves its initial value	
REQUIREMENT		
FUNCTION UNDER TEST		
SWUD		
<i>Failure Details</i>		
0023	CDD_PowerSequence.CDD_PowerSequence_RE_PowerSeq-Cyclic_Test_12	PASS
Title	Unit Test for Function CDD_PowerSequence_RE_PowerSeqCyclic()	
Description	Check if ((Idx == 1) && (EthSM_Network[1].EthSMState == 1)) EthSM_TrvcLinkStateChg() has to be entered && LinkState = 1	
REQUIREMENT		
FUNCTION UNDER TEST		
SWUD		
<i>Failure Details</i>		
0024	CDD_PowerSequence.CDD_PowerSequence_RE_PowerSeq-Cyclic_Test_13	PASS
Title	Unit Test for Function CDD_PowerSequence_RE_PowerSeqCyclic()	
Description	Check if ((Idx == 1) && (EthSM_Network[1].EthSMState == 4)) EthSM_TrvcLinkStateChg() has to be entered && LinkState = 1	
REQUIREMENT		
FUNCTION UNDER TEST		
SWUD		
<i>Failure Details</i>		
0025	CDD_PowerSequence.CDD_PowerSequence_RE_PowerSeq-Cyclic_Test_14	PASS
Title	Unit Test for Function CDD_PowerSequence_RE_PowerSeqCyclic()	

0025	CDD_PowerSequence.CDD_PowerSequence_RE_PowerSeq-Cyclic_Test_14	PASS
Description	Check if ((Idx == 1) && (EthSM_Network[1].EthSMState == 4)) EthSM_Tr-cvLinkStateChg() has to be NOT entered && LinkState reserves its initial value	
REQUIREMENT		
FUNCTION UNDER TEST		
SWUD		
<i>Failure Details</i>		

0026	CDD_PowerSequence.CDD_PowerSequence_RE_PowerSeq-Cyclic_Test_15	PASS
Title	Unit Test for Function CDD_PowerSequence_RE_PowerSeqCyclic()	
Description	Check if ((Idx == 1) && (EthSM_Network[1].EthSMState == 0) && (EthSM_-Network[1].TrcvLinkState ==1)) EthSM_TrvcLinkStateChg() has to be entered && LinkState = 0	
REQUIREMENT		
FUNCTION UNDER TEST		
SWUD		
<i>Failure Details</i>		

0027	CDD_PowerSequence.CDD_PowerSequence_RE_PowerSeq-Cyclic_Test_16	PASS
Title	Unit Test for Function CDD_PowerSequence_RE_PowerSeqCyclic()	
Description	Check if ((Idx == 1) && (EthSM_Network[1].EthSMState == 0) && (EthSM_-Network[1].TrcvLinkState ==2)) EthSM_TrvcLinkStateChg() has to be NOT entered && LinkState reserves its initial value	
REQUIREMENT		
FUNCTION UNDER TEST		
SWUD		
<i>Failure Details</i>		

0033	CDD_PowerSequence.CDD_PowerSequence_RE_SetVsoc-Cmd_Test_1	PASS
Title	Unit Test for Function CDD_PowerSequence_RE_SetVsocCmd()	

0033	CDD_PowerSequence.CDD_PowerSequence_RE_SetVsoc-Cmd_Test_1	PASS
Description	Just to make 100% Line coverage	
REQUIREMENT		
FUNCTION UNDER TEST		
SWUD		
<i>Failure Details</i>		

11. Test suite test_ComM

(n/a)	ComM.ComM_Test	PASS
<i>Failure Details</i>		

12. Test suite test_csmwrapper

SWU_CRYPTOS_TACK_DEMO_WRAPPER_0001	csmwrapper.csmwrapper_Test_1	PASS
Title	Unit Test for Function BMCsmNotification()	
REQUIREMENT	* FUNCTION UNDER TEST: BMCsmNotification();	
FUNCTION UNDER TEST	BMCsmNotification();	
SWUD		
<i>Failure Details</i>		

SWU_CRYPTOS_TACK_DEMO_WRAPPER_0002	csmwrapper.csmwrapper_Test_2	PASS
Title	Unit Test for Function SACsmNotification()	
REQUIREMENT	* FUNCTION UNDER TEST: SACsmNotification();	

SWU_CRYPTOS_TACK_DEMO_WRAPPER_0002	csmwrapper.csmwrapper_Test_2	PASS
FUNCTION UNDER TEST	SACsmNotification();	
SWUD		
<i>Failure Details</i>		

SWU_CRYPTOS_TACK_DEMO_WRAPPER_0003	csmwrapper.csmwrapper_Test_3	PASS
Title	Unit Test for Function SACsmNotification()	
REQUIREMENT	* FUNCTION UNDER TEST: SACsmNotification();	
FUNCTION UNDER TEST	SACsmNotification();	
SWUD		
<i>Failure Details</i>		

SWU_CRYPTOS_TACK_DEMO_WRAPPER_0004	csmwrapper.csmwrapper_Test_4	PASS
Title	Unit Test for Function DEMO_SimulateSAsseedstateCallbckASR43()	
REQUIREMENT	* FUNCTION UNDER TEST: DEMO_SimulateSAsseedstateCallbckASR43();	
FUNCTION UNDER TEST	DEMO_SimulateSAsseedstateCallbckASR43();	
SWUD		
<i>Failure Details</i>		

SWU_CRYPTOS_TACK_DEMO_WRAPPER_0005	csmwrapper.csmwrapper_Test_5	PASS
Title	Unit Test for Function DEMO_SimulateSAsseedstateCallbckASR43()	
REQUIREMENT	* FUNCTION UNDER TEST: DEMO_SimulateSAsseedstateCallbckASR43();	
FUNCTION UNDER TEST	DEMO_SimulateSAsseedstateCallbckASR43();	
SWUD		
<i>Failure Details</i>		

SWU_CRYPTOS_TACK_DEMO_WRAPPER_0006	csmwrapper.csmwrapper_Test_6	PASS
Title	Unit Test for Function DEMO_SimulateSAsedstateCallbckASR43()	
REQUIREMENT	* FUNCTION UNDER TEST: DEMO_SimulateSAsedstateCallbckASR43();	
FUNCTION UNDER TEST	DEMO_SimulateSAsedstateCallbckASR43();	
SWUD		
<i>Failure Details</i>		

SWU_CRYPTOS_TACK_DEMO_WRAPPER_0007	csmwrapper.csmwrapper_Test_7	PASS
Title	Unit Test for Function DEMO_SimulateSAsedstateCallbckASR43()	
REQUIREMENT	* FUNCTION UNDER TEST: DEMO_SimulateSAsedstateCallbckASR43();	
FUNCTION UNDER TEST	DEMO_SimulateSAsedstateCallbckASR43();	
SWUD		
<i>Failure Details</i>		

SWU_CRYPTOS_TACK_DEMO_WRAPPER_0008	csmwrapper.csmwrapper_Test_8	PASS
Title	Unit Test for Function DEMO_SimulateSAsedstateCallbckASR43()	
REQUIREMENT	* FUNCTION UNDER TEST: DEMO_SimulateSAsedstateCallbckASR43();	
FUNCTION UNDER TEST	DEMO_SimulateSAsedstateCallbckASR43();	
SWUD		
<i>Failure Details</i>		

SWU_CRYPTOS_TACK_DEMO_WRAPPER_0009	csmwrapper.csmwrapper_Test_9	PASS
Title	Unit Test for Function DEMO_SimulateSAsedstateCallbckASR43()	
REQUIREMENT	* FUNCTION UNDER TEST: DEMO_SimulateSAsedstateCallbckASR43();	
FUNCTION UNDER TEST	DEMO_SimulateSAsedstateCallbckASR43();	

SWU_CRYPTOS_TACK_DEMO_WRAPPER_0009	csmwrapper.csmwrapper_Test_9	PASS
SWUD		
<i>Failure Details</i>		

SWU_CRYPTOS_TACK_DEMO_WRAPPER_0010	csmwrapper.csmwrapper_Test_10	PASS
Title	Unit Test for Function DEMO_SimulateSAsedstateCallbckASR43()	
REQUIREMENT	* FUNCTION UNDER TEST: DEMO_SimulateSAsedstateCallbckASR43();	
FUNCTION UNDER TEST	DEMO_SimulateSAsedstateCallbckASR43();	
SWUD		
<i>Failure Details</i>		

SWU_CRYPTOS_TACK_DEMO_WRAPPER_0011	csmwrapper.csmwrapper_Test_11	PASS
Title	Unit Test for Function Csm_RandomSeedFinish()	
REQUIREMENT	* FUNCTION UNDER TEST: Csm_RandomSeedFinish();	
FUNCTION UNDER TEST	Csm_RandomSeedFinish();	
SWUD		
<i>Failure Details</i>		

SWU_CRYPTOS_TACK_DEMO_WRAPPER_0012	csmwrapper.csmwrapper_Test_12	PASS
Title	Unit Test for Function Csm_RandomSeedUpdate()	
REQUIREMENT	* FUNCTION UNDER TEST: Csm_RandomSeedUpdate();	
FUNCTION UNDER TEST	Csm_RandomSeedUpdate();	
SWUD		
<i>Failure Details</i>		

SWU_CRYPTOS_TACK_DEMO_WRAPPER_0013	csmwrapper.csmwrapper_Test_13	PASS
Title	Unit Test for Function Csm_RandomSeedStart()	
REQUIREMENT	* FUNCTION UNDER TEST: Csm_RandomSeedStart();	
FUNCTION UNDER TEST	Csm_RandomSeedStart();	
SWUD		
<i>Failure Details</i>		

SWU_CRYPTOS_TACK_DEMO_WRAPPER_0014	csmwrapper.csmwrapper_Test_14	PASS
Title	Unit Test for Function Csm_HashFinish()	
REQUIREMENT	* FUNCTION UNDER TEST: Csm_HashFinish();	
FUNCTION UNDER TEST	Csm_HashFinish();	
SWUD		
<i>Failure Details</i>		

SWU_CRYPTOS_TACK_DEMO_WRAPPER_0015	csmwrapper.csmwrapper_Test_15	PASS
Title	Unit Test for Function Csm_HashUpdate()	
REQUIREMENT	* FUNCTION UNDER TEST: Csm_HashUpdate();	
FUNCTION UNDER TEST	Csm_HashUpdate();	
SWUD		
<i>Failure Details</i>		

SWU_CRYPTOS_TACK_DEMO_WRAPPER_0016	csmwrapper.csmwrapper_Test_16	PASS
Title	Unit Test for Function Csm_HashStart()	
REQUIREMENT	* FUNCTION UNDER TEST: Csm_HashStart();	
FUNCTION UNDER TEST	Csm_HashStart();	

SWU_CRYPTOS_TACK_DEMO_WRAPPER_0016	csmwrapper.csmwrapper_Test_16	PASS
SWUD		
<i>Failure Details</i>		

SWU_CRYPTOS_TACK_DEMO_WRAPPER_0025	csmwrapper.csmwrapper_Test_25	PASS
Title	Unit Test for Function Csm_SignatureVerifyFinish()	
REQUIREMENT	* FUNCTION UNDER TEST: Csm_SignatureVerifyFinish();	
FUNCTION UNDER TEST	Csm_SignatureVerifyFinish();	
SWUD		
<i>Failure Details</i>		

SWU_CRYPTOS_TACK_DEMO_WRAPPER_0026	csmwrapper.csmwrapper_Test_26	PASS
Title	Unit Test for Function Csm_SignatureVerifyUpdate()	
REQUIREMENT	* FUNCTION UNDER TEST: Csm_SignatureVerifyUpdate();	
FUNCTION UNDER TEST	Csm_SignatureVerifyUpdate();	
SWUD		
<i>Failure Details</i>		

SWU_CRYPTOS_TACK_DEMO_WRAPPER_0027	csmwrapper.csmwrapper_Test_27	PASS
Title	Unit Test for Function ProgCsmNotification()	
REQUIREMENT	* FUNCTION UNDER TEST: ProgCsmNotification();	
FUNCTION UNDER TEST	ProgCsmNotification();	
SWUD		
<i>Failure Details</i>		

SWU_CRYPTOS_TACK_DEMO_WRAPPER_0028	csmwrapper.csmwrapper_Test_28	PASS
Title	Unit Test for Function ProgCsmNotification()	
REQUIREMENT	* FUNCTION UNDER TEST: ProgCsmNotification();	
FUNCTION UNDER TEST	ProgCsmNotification();	
SWUD		
Failure Details		

SWU_CRYPTOS_TACK_DEMO_WRAPPER_0029	csmwrapper.csmwrapper_Test_29	PASS
Title	Unit Test for Function ProgCsmNotification()	
REQUIREMENT	* FUNCTION UNDER TEST: ProgCsmNotification();	
FUNCTION UNDER TEST	ProgCsmNotification();	
SWUD		
Failure Details		

SWU_CRYPTOS_TACK_DEMO_WRAPPER_0030	csmwrapper.csmwrapper_Test_30	PASS
Title	Unit Test for Function ProgCsmNotification()	
REQUIREMENT	* FUNCTION UNDER TEST: ProgCsmNotification();	
FUNCTION UNDER TEST	ProgCsmNotification();	
SWUD		
Failure Details		

SWU_CRYPTOS_TACK_DEMO_WRAPPER_0031	csmwrapper.csmwrapper_Test_31	PASS
Title	Unit Test for Function Csm_SignatureVerifyStart()	
REQUIREMENT	* FUNCTION UNDER TEST: Csm_SignatureVerifyStart();	
FUNCTION UNDER TEST	Csm_SignatureVerifyStart();	

SWU_CRYPTOS_TACK_DEMO_WRAPPER_0031	csmwrapper.csmwrapper_Test_31	PASS
SWUD		
<i>Failure Details</i>		

SWU_CRYPTOS_TACK_DEMO_WRAPPER_0032	csmwrapper.csmwrapper_Test_32	PASS
Title	Unit Test for Function Csm_SignatureVerifyStart()	
REQUIREMENT	* FUNCTION UNDER TEST: Csm_SignatureVerifyStart();	
FUNCTION UNDER TEST	Csm_SignatureVerifyStart();	
SWUD		
<i>Failure Details</i>		

SWU_CRYPTOS_TACK_DEMO_WRAPPER_0033	csmwrapper.csmwrapper_Test_33	PASS
Title	Unit Test for Function Csm_SignatureVerifyStart()	
REQUIREMENT	* FUNCTION UNDER TEST: Csm_SignatureVerifyStart();	
FUNCTION UNDER TEST	Csm_SignatureVerifyStart();	
SWUD		
<i>Failure Details</i>		

SWU_CRYPTOS_TACK_DEMO_WRAPPER_0034	csmwrapper.csmwrapper_Test_34	PASS
Title	Unit Test for Function CsmWrapper_CancelJob()	
REQUIREMENT	* FUNCTION UNDER TEST: CsmWrapper_CancelJob();	
FUNCTION UNDER TEST	CsmWrapper_CancelJob();	
SWUD		
<i>Failure Details</i>		

SWU_CRYPTOS_TACK_DEMO_WRAPPER_0035	csmwrapper.csmwrapper_Test_35	PASS
Title	Unit Test for Function CsmWrapper_CancelJob()	
REQUIREMENT	* FUNCTION UNDER TEST: CsmWrapper_CancelJob();	
FUNCTION UNDER TEST	CsmWrapper_CancelJob();	
SWUD		
Failure Details		

SWU_CRYPTOS_TACK_DEMO_WRAPPER_0036	csmwrapper.csmwrapper_Test_36	PASS
Title	Unit Test for Function CsmWrapper_CancelJob()	
REQUIREMENT	* FUNCTION UNDER TEST: CsmWrapper_CancelJob();	
FUNCTION UNDER TEST	CsmWrapper_CancelJob();	
SWUD		
Failure Details		

13. Test suite test_Dem

(n/a)	Dem.Dem_Test	PASS
Failure Details		

14. Test suite test_DoIPUsr_Cbk

(n/a)	DoIPUsr_Cbk.DoIPRoutingActivation_3832_ConfirmationCall-back_1	PASS
Failure Details		
(n/a)	DoIPUsr_Cbk.DoIPRoutingActivation_3832_ConfirmationCall-back_2	PASS
Failure Details		

(n/a)	DolPUsr_Cbk.DolPRoutingActivation_3832_ConfirmationCall-back_3	PASS
Failure Details		
(n/a)	DolPUsr_Cbk.DolPStartDiagReceptionUserCallBack_1	PASS
Failure Details		
(n/a)	DolPUsr_Cbk.DolPStartDiagReceptionUserCallBack_2	PASS
Failure Details		
(n/a)	DolPUsr_Cbk.DolPStartDiagReceptionUserCallBack_3	PASS
Failure Details		
(n/a)	DolPUsr_Cbk.DolPStartDiagReceptionUserCallBack_4	PASS
Failure Details		
(n/a)	DolPUsr_Cbk.DolPStartDiagReceptionUserCallBack_5	PASS
Failure Details		
(n/a)	DolPUsr_Cbk.DolPStartDiagReceptionUserCallBack_6	PASS
Failure Details		
(n/a)	DolPUsr_Cbk.DolPStartDiagReceptionUserCallBack_7	PASS
Failure Details		

15. Test suite test_PartitionSwitchSWC

SWUT_swu_partswi_-0001	PartitionSwitchSWC.PartitionSwitchSwcType_OIR_getCurrentPartition_1	PASS
Title	Unit Test for Function PartitionSwitchSwcType_OIR_getCurrentPartition()	
Description	Check when device == u8NvMPartitionInfoMSoCAActivePartition.astrDevicePartition[MSOC_DEVICE].u8Device && NO NULL_PTR (tempPartition) must equal u8NvMPartitionInfoMSoCAActivePartition.astrDevicePartition[MSOC_DEVICE].u8Partition (tempresultCode) must equal SUCCESS	
REQUIREMENT	SWU_PARTSWI_0002:1, SWU_PARTSWI_0007:1	
FUNCTION UNDER TEST	PartitionSwitchSwcType_OIR_getCurrentPartition();	

SWUT_swu_partswi_-0001	PartitionSwitchSWC.PartitionSwitchSwcType_OIR_getCurrent-Partition_1	PASS
SWUD		
<i>Failure Details</i>		

SWUT_swu_partswi_-0002	PartitionSwitchSWC.PartitionSwitchSwcType_OIR_getCurrent-Partition_2	PASS
Title	Unit Test for Function PartitionSwitchSwcType_OIR_getCurrentPartition()	
Description	Check when device != u8NvMPartitionInfoMSoCAActivePartition.astrDevicePartition[MSOC_-DEVICE].u8Device && NO_NULL_PTR (tempPartition) must equal 0xFF (tempResultCode) must equal UNKNOWN_DEVICE	
REQUIREMENT	SWU_PARTSWI_0008:1	
FUNCTION UNDER TEST	PartitionSwitchSwcType_OIR_getCurrentPartition();	
SWUD		
<i>Failure Details</i>		

SWUT_swu_partswi_-0003	PartitionSwitchSWC.PartitionSwitchSwcType_OIR_getCurrent-Partition_3	PASS
Title	Unit Test for Function PartitionSwitchSwcType_OIR_getCurrentPartition()	
Description	Check when device == u8NvMPartitionInfoMSoCAActivePartition.astrDevicePartition[MSOC_-DEVICE].u8Device && NULL_PTR is passed Test must not crash	
REQUIREMENT	SWU_PARTSWI_0002:1	
FUNCTION UNDER TEST	PartitionSwitchSwcType_OIR_getCurrentPartition();	
SWUD		
<i>Failure Details</i>		

SWUT_swu_partswi_-0004	PartitionSwitchSWC.PartitionSwitchSwcType_OIR_getCurrent-Partition_4	PASS
Title	Unit Test for Function PartitionSwitchSwcType_OIR_getCurrentPartition()	
Description	Check when device != u8NvMPartitionInfoMSoCAActivePartition.astrDevicePartition[MSOC_-DEVICE].u8Device && NULL_PTR is passed Test must not crash	
REQUIREMENT	SWU_PARTSWI_0002:1	

SWUT_swu_partswi_-0004	PartitionSwitchSWC.PartitionSwitchSwcType_OIR_getCurrent-Partition_4	PASS
FUNCTION UNDER TEST	PartitionSwitchSwcType_OIR_getCurrentPartition();	
SWUD		
<i>Failure Details</i>		

SWUT_swu_partswi_-0005	PartitionSwitchSWC.PartitionSwitchSwcType_OIR_getCurrent-Partition_5	PASS
Title	Unit Test for Function PartitionSwitchSwcType_OIR_getCurrentPartition()	
Description	Check when device == u8NvMPartitionInfoMSoCAActivePartition.astrDevicePartition[MSOC_-DEVICE].u8Device && tempPartition is NULL_PTR Test must not crash	
REQUIREMENT	SWU_PARTSWI_0002:1	
FUNCTION UNDER TEST	PartitionSwitchSwcType_OIR_getCurrentPartition();	
SWUD		
<i>Failure Details</i>		

SWUT_swu_partswi_-0006	PartitionSwitchSWC.PartitionSwitchSwcType_OIR_getCurrent-Partition_6	PASS
Title	Unit Test for Function PartitionSwitchSwcType_OIR_getCurrentPartition()	
Description	Check when device != u8NvMPartitionInfoMSoCAActivePartition.astrDevicePartition[MSOC_-DEVICE].u8Device && tempPartition is NULL_PTR Test must not crash	
REQUIREMENT	SWU_PARTSWI_0002:1	
FUNCTION UNDER TEST	PartitionSwitchSwcType_OIR_getCurrentPartition();	
SWUD		
<i>Failure Details</i>		

SWUT_swu_partswi_-0007	PartitionSwitchSWC.PartitionSwitchSwcType_OIR_getCurrent-Partition_7	PASS
Title	Unit Test for Function PartitionSwitchSwcType_OIR_getCurrentPartition()	
Description	Check when device == u8NvMPartitionInfoMSoCAActivePartition.astrDevicePartition[MSOC_-DEVICE].u8Device && tempresultCode is NULL_PTR Test must not crash	

SWUT_swu_partswi_-0007	PartitionSwitchSWC.PartitionSwitchSwcType_OIR_getCurrent-Partition_7	PASS
REQUIREMENT	SWU_PARTSWI_0002:1	
FUNCTION UNDER TEST	PartitionSwitchSwcType_OIR_getCurrentPartition();	
SWUD		
<i>Failure Details</i>		

SWUT_swu_partswi_-0008	PartitionSwitchSWC.PartitionSwitchSwcType_OIR_getCurrent-Partition_8	PASS
Title	Unit Test for Function PartitionSwitchSwcType_OIR_getCurrentPartition()	
Description	Check when device != u8NvMPartitionInfoMSoCAActivePartition.astrDevicePartition[MSOC_-DEVICE].u8Device && tempresultCode is NULL_PTR Test must not crash	
REQUIREMENT	SWU_PARTSWI_0002:1	
FUNCTION UNDER TEST	PartitionSwitchSwcType_OIR_getCurrentPartition();	
SWUD		
<i>Failure Details</i>		

SWUT_swu_partswi_-0018	PartitionSwitchSWC.PartitionSwitchSWC_OIR_setBootPartitionAsync_1	PASS
Title	Unit Test for Function PartitionSwitchSWC_OIR_setBootPartitionAsync()	
Description	Check when device == u8NvMPartitionInfoMSoCAActivePartition.astrDevicePartition[MSOC_-DEVICE].u8Device && No NULL_PTR Passed && tempPartition == PARTITION_A u8NvMPartitionInfoRAM.astrDevicePartition[MSOC_DEVICE].u8Partition & u8NvMPartitionInfoRAMStored.astrDevicePartition[MSOC_DEVICE].u8Partition must equal PARTITION_A tempresponse must equal STARTED u8setBootPartitionState must equal to MSOC_DEVICE_SWITCH	
REQUIREMENT	SWU_PARTSWI_0003:1, SWU_PARTSWI_0004:1, SWU_PARTSWI_0007:1, SWU_PARTSWI_0008:1, SWU_PARTSWI_0009:1, SWU_PARTSWI_0010:1	
FUNCTION UNDER TEST	PartitionSwitchSWC_OIR_setBootPartitionAsync();	
SWUD		
<i>Failure Details</i>		

SWUT_swu_partswi_-0019	PartitionSwitchSWC.PartitionSwitchSWC_OIR_setBootPartitionAsync_2	PASS
Title	Unit Test for Function PartitionSwitchSWC_OIR_setBootPartitionAsync()	
Description	Check when device == u8NvMPartitionInfoMSoCAActivePartition.astrDevicePartition[MSOC_DEVICE].u8Device && No NULL_PTR Passed && tempPartition == PARTITION_A tempPartition = UNKNOWNPARTITION tempresponse must equal PARTITION_NOT_FOUND	
REQUIREMENT	SWU_PARTSWI_0003:1, SWU_PARTSWI_0004:1, SWU_PARTSWI_0007:1, SWU_PARTSWI_0008:1, SWU_PARTSWI_0009:1, SWU_PARTSWI_0010:1	
FUNCTION UNDER TEST	PartitionSwitchSWC_OIR_setBootPartitionAsync();	
SWUD		
Failure Details		

SWUT_swu_partswi_-0023	PartitionSwitchSWC.PartitionSwitchSWC_OIR_setBootPartitionAsync_3	PASS
Title	Unit Test for Function PartitionSwitchSWC_OIR_setBootPartitionAsync()	
Description	Check when device = VCPU_DEVICE && u8NvMPartitionInfoMSoCAActivePartition.astrDevicePartition[MSOC_DEVICE].u8Device = MSOC_DEVICE && No NULL_PTR has been Passed tempresponse must equal STARTED u8setBootPartitionState must equal to VCPU_DEVICE_SWITCH	
REQUIREMENT	SWU_PARTSWI_0003:1, SWU_PARTSWI_0004:1, SWU_PARTSWI_0007:1, SWU_PARTSWI_0008:1, SWU_PARTSWI_0009:1, SWU_PARTSWI_0010:1	
FUNCTION UNDER TEST	PartitionSwitchSWC_OIR_setBootPartitionAsync();	
SWUD		
Failure Details		

SWUT_swu_partswi_-0025	PartitionSwitchSWC.PartitionSwitchSWC_OIR_setBootPartitionAsync_4	PASS
Title	Unit Test for Function PartitionSwitchSWC_OIR_setBootPartitionAsync()	
Description	Check when device = ECU_DEVICE && u8NvMPartitionInfoMSoCAActivePartition.astrDevicePartition[MSOC_DEVICE].u8Device = MSOC_DEVICE && No NULL_PTR has been Passed && tempPartition == PARTITION_A tempresponse must equal STARTED TRACE_STRING() function has been passed through	

SWUT_swu_partswi_-0025	PartitionSwitchSWC.PartitionSwitchSWC_OIR_setBootPartitionAsync_4	PASS
REQUIREMENT	SWU_PARTSWI_0003:1, SWU_PARTSWI_0004:1, SWU_PARTSWI_0007:1, SWU_PARTSWI_0008:1, SWU_PARTSWI_0009:1, SWU_PARTSWI_0010:1	
FUNCTION UNDER TEST	PartitionSwitchSWC_OIR_setBootPartitionAsync();	
SWUD		
<i>Failure Details</i>		

SWUT_swu_partswi_-0026	PartitionSwitchSWC.PartitionSwitchSWC_OIR_setBootPartitionAsync_5	PASS
Title	Unit Test for Function PartitionSwitchSWC_OIR_setBootPartitionAsync()	
Description	Check when device = ECU_DEVICE && u8NvMPartitionInfoMSoCActivePartition.astrDevicePartition[MSOC_DEVICE].u8Device = MSOC_DEVICE && No NULL_PTR has been Passed && tempPartition == PARTITION_A eCohChkInActiveBankResult_Stub = PROG_COHERENCY_OK nvm_ResultStatus = NVM_REQ_NOT_OK tempresponse must equal ERROR_SETTING_BOOT_PARTITION TRACE_VALUE() function has been passed through	
REQUIREMENT	SWU_PARTSWI_0003:1, SWU_PARTSWI_0004:1, SWU_PARTSWI_0007:1, SWU_PARTSWI_0008:1, SWU_PARTSWI_0009:1, SWU_PARTSWI_0010:1	
FUNCTION UNDER TEST	PartitionSwitchSWC_OIR_setBootPartitionAsync();	
SWUD		
<i>Failure Details</i>		

SWUT_swu_partswi_-0027	PartitionSwitchSWC.PartitionSwitchSWC_OIR_setBootPartitionAsync_6	PASS
Title	Unit Test for Function PartitionSwitchSWC_OIR_setBootPartitionAsync()	
Description	Check when device = ECU_DEVICE && u8NvMPartitionInfoMSoCActivePartition.astrDevicePartition[MSOC_DEVICE].u8Device = MSOC_DEVICE && No NULL_PTR has been Passed && tempPartition == PARTITION_B eCohChkInActiveBankResult_Stub = PROG_COHERENCY_OK nvm_ResultStatus = NVM_REQ_NOT_OK tempresponse must equal ERROR_SETTING_BOOT_PARTITION TRACE_VALUE() function has been passed	
REQUIREMENT	SWU_PARTSWI_0003:1, SWU_PARTSWI_0004:1, SWU_PARTSWI_0007:1, SWU_PARTSWI_0008:1, SWU_PARTSWI_0009:1, SWU_PARTSWI_0010:1	

SWUT_swu_partswi_-0027	PartitionSwitchSWC.PartitionSwitchSWC_OIR_setBootPartitionAsync_6	PASS
FUNCTION UNDER TEST	PartitionSwitchSWC_OIR_setBootPartitionAsync();	
SWUD		
<i>Failure Details</i>		

SWUT_swu_partswi_-0036	PartitionSwitchSWC.PartitionSwitchSWC_RE_setBootPartitionEvent_1	PASS
Title	Unit Test for Function PartitionSwitchSWC_RE_setBootPartitionEvent()	
Description	Check when PartitionSwitchEventToNotify == NOTIFICATION_WRITE_NVM_MSOC_PARTITION and Rte return E_OK PartitionSwitchEventToNotify must equal NOTIFICATION_IDLE PartitionSwitchAsynNVM_Result.resultCode must equal 0xFF	
REQUIREMENT	SWU_PARTSWI_0004:1, SWU_PARTSWI_0007:1, SWU_PARTSWI_0009:1	
FUNCTION UNDER TEST	PartitionSwitchSWC_RE_setBootPartitionEvent();	
SWUD		
<i>Failure Details</i>		

SWUT_swu_partswi_-0037	PartitionSwitchSWC.PartitionSwitchSWC_RE_setBootPartitionEvent_2	PASS
Title	Unit Test for Function PartitionSwitchSWC_RE_setBootPartitionEvent()	
Description	Check when PartitionSwitchEventToNotify == NOTIFICATION_WRITE_NVM_MSOC_PARTITION and Rte return E_NOT_OK PartitionSwitchAsynNVM_Result.resultCode == 1 PartitionSwitchEventToNotify must equal NOTIFICATION_IDLE PartitionSwitchAsynNVM_Result.resultCode must equal 1	
REQUIREMENT	SWU_PARTSWI_0004:1, SWU_PARTSWI_0007:1, SWU_PARTSWI_0009:1	
FUNCTION UNDER TEST	PartitionSwitchSWC_RE_setBootPartitionEvent();	
SWUD		
<i>Failure Details</i>		

SWUT_swu_partswi_-0038	PartitionSwitchSWC.PartitionSwitchSWC_RE_setBootPartitionEvent_3	PASS
Title	Unit Test for Function PartitionSwitchSWC_RE_setBootPartitionEvent()	
Description	Check when PartitionSwitchEventToNotify == NOTIFICATION_SWAP_VCPU_PARTITION and Rte return E_OK PartitionSwitchEventToNotify must equal	

SWUT_swu_partswi_-0038	PartitionSwitchSWC.PartitionSwitchSWC_RE_setBootPartitionEvent_3	PASS
	NOTIFICATION_IDLE PartitionSwitchAsynNVM_Result.resultCode must equal 0xFF	
REQUIREMENT	SWU_PARTSWI_0004:1, SWU_PARTSWI_0007:1, SWU_PARTSWI_0009:1	
FUNCTION UNDER TEST	PartitionSwitchSWC_RE_setBootPartitionEvent();	
SWUD		
<i>Failure Details</i>		

SWUT_swu_partswi_-0039	PartitionSwitchSWC.PartitionSwitchSWC_RE_setBootPartitionEvent_4	PASS
Title	Unit Test for Function PartitionSwitchSWC_RE_setBootPartitionEvent()	
Description	Check when PartitionSwitchEventToNotify == NOTIFICATION_SWAP_VCPU_PARTITION and Rte return E_NOT_OK PartitionSwitchAsynNVM_Result.resultCode == 1 PartitionSwitchEventToNotify must equal NOTIFICATION_IDLE PartitionSwitchAsynNVM_Result.resultCode must equal 1	
REQUIREMENT	SWU_PARTSWI_0004:1, SWU_PARTSWI_0007:1, SWU_PARTSWI_0009:1	
FUNCTION UNDER TEST	PartitionSwitchSWC_RE_setBootPartitionEvent();	
SWUD		
<i>Failure Details</i>		

SWUT_swu_partswi_-0040	PartitionSwitchSWC.PartitionSwitchSWC_RE_setBootPartitionEvent_5	PASS
Title	Unit Test for Function PartitionSwitchSWC_RE_setBootPartitionEvent()	
Description	Check when PartitionSwitchEventToNotify == NOTIFICATION_WRITE_NVM_MSOC_PARTITION_AND_SWAP_VCPU and Rte return E_OK In case of development: PartitionSwitchEventToNotify must equal WRITE_NVM_MSOC_PARTITION_WAIT_SWAP_VCPU u8setBootPartitionState must equal UPDATE_UCB_SWAP_VCPU In case of Production: PartitionSwitchEventToNotify must equal WRITE_NVM_MSOC_PARTITION_WAIT_SECURE_BOOT_VCPU u8setBootPartitionState must equal VCPU_SECURE_BOOT_SIGN	
REQUIREMENT	SWU_PARTSWI_0004:1, SWU_PARTSWI_0007:1, SWU_PARTSWI_0009:1	
FUNCTION UNDER TEST	PartitionSwitchSWC_RE_setBootPartitionEvent();	
SWUD		

SWUT_swu_partswi_-0040	PartitionSwitchSWC.PartitionSwitchSWC_RE_setBootPartitionEvent_5	PASS
<i>Failure Details</i>		

SWUT_swu_partswi_-0041	PartitionSwitchSWC.PartitionSwitchSWC_RE_setBootPartitionEvent_6	PASS
Title	Unit Test for Function PartitionSwitchSWC_RE_setBootPartitionEvent()	
Description	Check when PartitionSwitchEventToNotify == NOTIFICATION_WRITE_NVM_MSOC_PARTITION_AND_SWAP_VCPU and Rte return E_NOT_OK PartitionSwitchAsynNVM_Result.resultCode == 1 PartitionSwitchEventToNotify must equal NOTIFICATION_IDLE PartitionSwitchAsynNVM_Result.resultCode must equal 1	
REQUIREMENT	SWU_PARTSWI_0004:1, SWU_PARTSWI_0007:1, SWU_PARTSWI_0009:1	
FUNCTION UNDER TEST	PartitionSwitchSWC_RE_setBootPartitionEvent();	
SWUD		
<i>Failure Details</i>		

SWUT_swu_partswi_-0042	PartitionSwitchSWC.PartitionSwitchSWC_RE_setBootPartitionEvent_7	PASS
Title	Unit Test for Function PartitionSwitchSWC_RE_setBootPartitionEvent()	
Description	Check when PartitionSwitchEventToNotify == NOTIFICATION_WRITE_NVM_MSOC_PARTITION and Rte return E_OK Values for PartitionSwitchEventToNotify, PartitionSwitchAsynNVM_Result.resultCode shall remain the same as before calling PartitionSwitchSWC_RE_setBootPartitionEvent() and no crash shall happen	
REQUIREMENT	SWU_PARTSWI_0004:1, SWU_PARTSWI_0007:1, SWU_PARTSWI_0009:1	
FUNCTION UNDER TEST	PartitionSwitchSWC_RE_setBootPartitionEvent();	
SWUD		
<i>Failure Details</i>		

SWUT_swu_partswi_-0043	PartitionSwitchSWC.PartitionSwitchSWC_RE_setBootPartitionEvent_8	PASS
Title	Unit Test for Function PartitionSwitchSWC_RE_setBootPartitionEvent()	
Description	Check when PartitionSwitchEventToNotify == NOTIFICATION_WRITE_NVM_MSOC_PARTITION and Rte return E_OK Values for PartitionSwitchEventToNotify	

SWUT_swu_partswi_-0043	PartitionSwitchSWC.PartitionSwitchSWC_RE_setBootPartitionEvent_8	PASS
	fy, PartitionSwitchAsynNVM_Result.resultCode shall remain the same as before calling PartitionSwitchSWC_RE_setBootPartitionEvent() and no crash shall happen	
REQUIREMENT	SWU_PARTSWI_0004:1, SWU_PARTSWI_0007:1, SWU_PARTSWI_0009:1	
FUNCTION UNDER TEST	PartitionSwitchSWC_RE_setBootPartitionEvent();	
SWUD		
Failure Details		

SWUT_swu_partswi_-0044	PartitionSwitchSWC.PartitionSwitchSWC_RE_setBootPartitionEvent_9	PASS
Title	Unit Test for Function PartitionSwitchSWC_RE_setBootPartitionEvent()	
Description	Check when PartitionSwitchEventToNotify == NOTIFICATION_WRITE_NVM_MSOC_PARTITION and Rte return E_OK Values for PartitionSwitchEventToNotify, PartitionSwitchAsynNVM_Result.resultCode shall remain the same as before calling PartitionSwitchSWC_RE_setBootPartitionEvent() and no crash shall happen	
REQUIREMENT	SWU_PARTSWI_0004:1, SWU_PARTSWI_0007:1, SWU_PARTSWI_0009:1	
FUNCTION UNDER TEST	PartitionSwitchSWC_RE_setBootPartitionEvent();	
SWUD		
Failure Details		

SWUT_swu_partswi_-0045	PartitionSwitchSWC.PartitionSwitchSWC_RE_setBootPartitionEvent_10	PASS
Title	Unit Test for Function PartitionSwitchSWC_RE_setBootPartitionEvent()	
Description	Check when PartitionSwitchEventToNotify == NOTIFICATION_WRITE_NVM_MSOC_PARTITION and Rte return E_OK Values for PartitionSwitchEventToNotify, PartitionSwitchAsynNVM_Result.resultCode shall remain the same as before calling PartitionSwitchSWC_RE_setBootPartitionEvent() and no crash shall happen	
REQUIREMENT	SWU_PARTSWI_0004:1, SWU_PARTSWI_0007:1, SWU_PARTSWI_0009:1	
FUNCTION UNDER TEST	PartitionSwitchSWC_RE_setBootPartitionEvent();	
SWUD		

SWUT_swu_partswi_-0045	PartitionSwitchSWC.PartitionSwitchSWC_RE_setBootPartitionEvent_10	PASS
<i>Failure Details</i>		

SWUT_swu_partswi_-0046	PartitionSwitchSWC.PartitionSwitchSWC_RE_setBootPartitionEvent_11	PASS
Title	Unit Test for Function PartitionSwitchSWC_RE_setBootPartitionEvent()	
Description	Check when PartitionSwitchEventToNotify == NOTIFICATION_WRITE_NVM_MSOC_PARTITION and Rte return E_OK Values for PartitionSwitchEventToNotify, PartitionSwitchAsynNVM_Result.resultCode shall remain the same as before calling PartitionSwitchSWC_RE_setBootPartitionEvent() and no crash shall happen	
REQUIREMENT	SWU_PARTSWI_0004:1, SWU_PARTSWI_0007:1, SWU_PARTSWI_0009:1	
FUNCTION UNDER TEST	PartitionSwitchSWC_RE_setBootPartitionEvent();	
SWUD		
<i>Failure Details</i>		

SWUT_swu_partswi_-0047	PartitionSwitchSWC.PartitionSwitchSWC_RE_setBootPartitionEvent_12	PASS
Title	Unit Test for Function PartitionSwitchSWC_RE_setBootPartitionEvent()	
Description	Check when PartitionSwitchEventToNotify == NOTIFICATION_WRITE_NVM_MSOC_PARTITION and Rte return E_OK Values for PartitionSwitchEventToNotify, PartitionSwitchAsynNVM_Result.resultCode shall remain the same as before calling PartitionSwitchSWC_RE_setBootPartitionEvent() and no crash shall happen	
REQUIREMENT	SWU_PARTSWI_0004:1, SWU_PARTSWI_0007:1, SWU_PARTSWI_0009:1	
FUNCTION UNDER TEST	PartitionSwitchSWC_RE_setBootPartitionEvent();	
SWUD		
<i>Failure Details</i>		

SWUT_swu_partswi_-0048	PartitionSwitchSWC.PartitionSwitchSWC_RE_setBootPartitionEvent_13	PASS
Title	Unit Test for Function PartitionSwitchSWC_RE_setBootPartitionEvent()	
Description	Check when PartitionSwitchEventToNotify == NOTIFICATION_WRITE_NVM_MSOC_PARTITION and Rte return E_OK Values for PartitionSwitchEventToNotify	

SWUT_swu_partswi_-0048	PartitionSwitchSWC.PartitionSwitchSWC_RE_setBootPartitionEvent_13	PASS
	fy, PartitionSwitchAsynNVM_Result.resultCode shall remain the same as before calling PartitionSwitchSWC_RE_setBootPartitionEvent() and no crash shall happen	
REQUIREMENT	SWU_PARTSWI_0004:1, SWU_PARTSWI_0007:1, SWU_PARTSWI_0009:1	
FUNCTION UNDER TEST	PartitionSwitchSWC_RE_setBootPartitionEvent();	
SWUD		
<i>Failure Details</i>		

SWUT_swu_partswi_-0049	PartitionSwitchSWC.PartitionSwitchSWC_RE_setBootPartitionEvent_14	PASS
Title	Unit Test for Function PartitionSwitchSWC_RE_setBootPartitionEvent()	
Description	Check when PartitionSwitchEventToNotify == NOTIFICATION_WRITE_NVM_MSOC_PARTITION and Rte return E_OK Values for PartitionSwitchEventToNotify, PartitionSwitchAsynNVM_Result.resultCode shall remain the same as before calling PartitionSwitchSWC_RE_setBootPartitionEvent() and no crash shall happen	
REQUIREMENT	SWU_PARTSWI_0004:1, SWU_PARTSWI_0007:1, SWU_PARTSWI_0009:1	
FUNCTION UNDER TEST	PartitionSwitchSWC_RE_setBootPartitionEvent();	
SWUD		
<i>Failure Details</i>		

SWUT_swu_partswi_-0050	PartitionSwitchSWC.PartitionSwitchSWC_RE_setBootPartitionEvent_15	PASS
Title	Unit Test for Function PartitionSwitchSWC_RE_setBootPartitionEvent()	
Description	Check when PartitionSwitchEventToNotify == NOTIFICATION_WRITE_NVM_MSOC_PARTITION and Rte return E_OK Values for PartitionSwitchEventToNotify, PartitionSwitchAsynNVM_Result.resultCode shall remain the same as before calling PartitionSwitchSWC_RE_setBootPartitionEvent() and no crash shall happen	
REQUIREMENT	SWU_PARTSWI_0004:1, SWU_PARTSWI_0007:1, SWU_PARTSWI_0009:1	
FUNCTION UNDER TEST	PartitionSwitchSWC_RE_setBootPartitionEvent();	
SWUD		

SWUT_swu_partswi_-0050	PartitionSwitchSWC.PartitionSwitchSWC_RE_setBootPartitionEvent_15	PASS
<i>Failure Details</i>		

SWUT_swu_partswi_-0051	PartitionSwitchSWC.PartitionSwitchSWC_RE_setBootPartitionEvent_16	PASS
Title	Unit Test for Function PartitionSwitchSWC_RE_setBootPartitionEvent()	
Description	Check when PartitionSwitchEventToNotify == NOTIFICATION_WRITE_NVM_MSOC_PARTITION and Rte return E_OK Values for PartitionSwitchEventToNotify, PartitionSwitchAsynNVM_Result.resultCode shall remain the same as before calling PartitionSwitchSWC_RE_setBootPartitionEvent() and no crash shall happen	
REQUIREMENT	SWU_PARTSWI_0004:1, SWU_PARTSWI_0007:1, SWU_PARTSWI_0009:1	
FUNCTION UNDER TEST	PartitionSwitchSWC_RE_setBootPartitionEvent();	
SWUD		
<i>Failure Details</i>		

SWUT_swu_partswi_-0052	PartitionSwitchSWC.PartitionSwitchSWC_RE_setBootPartitionEvent_17	PASS
Title	Unit Test for Function PartitionSwitchSWC_RE_setBootPartitionEvent()	
Description	Check when PartitionSwitchEventToNotify == NOTIFICATION_WRITE_NVM_MSOC_PARTITION and Rte return E_OK Values for PartitionSwitchEventToNotify, PartitionSwitchAsynNVM_Result.resultCode shall remain the same as before calling PartitionSwitchSWC_RE_setBootPartitionEvent() and no crash shall happen	
REQUIREMENT	SWU_PARTSWI_0004:1, SWU_PARTSWI_0007:1, SWU_PARTSWI_0009:1	
FUNCTION UNDER TEST	PartitionSwitchSWC_RE_setBootPartitionEvent();	
SWUD		
<i>Failure Details</i>		

SWUT_swu_partswi_-0053	PartitionSwitchSWC.PartitionSwitchSWC_RE_setBootPartitionEvent_18	PASS
Title	Unit Test for Function PartitionSwitchSWC_RE_setBootPartitionEvent()	
Description	Check when PartitionSwitchEventToNotify == NOTIFICATION_WRITE_NVM_MSOC_PARTITION and Rte return E_OK Values for PartitionSwitchEventToNotify, PartitionSwitchAsynNVM_Result.resultCode shall remain the same as before	

SWUT_swu_partswi_-0053	PartitionSwitchSWC.PartitionSwitchSWC_RE_setBootPartitionEvent_18	PASS
	calling PartitionSwitchSWC_RE_setBootPartitionEvent() and no crash shall happen	
REQUIREMENT	SWU_PARTSWI_0004:1, SWU_PARTSWI_0007:1, SWU_PARTSWI_0009:1	
FUNCTION UNDER TEST	PartitionSwitchSWC_RE_setBootPartitionEvent();	
SWUD		
<i>Failure Details</i>		

SWUT_swu_partswi_-0073	PartitionSwitchSWC.RetryOperation_RetryCountLessThanMax	PASS
Title	Unit Test for Function PartitionSwitchSWC_RE_setBootPartitionEvent()	
Description	Check when PartitionSwitchEventToNotify == NOTIFICATION_WRITE_NVM_MSOC_PARTITION and Rte return E_OK Values for PartitionSwitchEventToNotify, PartitionSwitchAsynNVM_Result.resultCode shall remain the same as before calling PartitionSwitchSWC_RE_setBootPartitionEvent() and no crash shall happen	
REQUIREMENT	SWU_PARTSWI_0004:1, SWU_PARTSWI_0007:1, SWU_PARTSWI_0009:1	
FUNCTION UNDER TEST	PartitionSwitchSWC_RE_setBootPartitionEvent();	
SWUD		
<i>Failure Details</i>		

SWUT_swu_partswi_-0074	PartitionSwitchSWC.RetryOperation_RetryCountEqualMax	PASS
Title	Unit Test for Function PartitionSwitchSWC_RE_setBootPartitionEvent()	
Description	Check when PartitionSwitchEventToNotify == NOTIFICATION_WRITE_NVM_MSOC_PARTITION and Rte return E_OK Values for PartitionSwitchEventToNotify, PartitionSwitchAsynNVM_Result.resultCode shall remain the same as before calling PartitionSwitchSWC_RE_setBootPartitionEvent() and no crash shall happen	
REQUIREMENT	SWU_PARTSWI_0004:1, SWU_PARTSWI_0007:1, SWU_PARTSWI_0009:1	
FUNCTION UNDER TEST	PartitionSwitchSWC_RE_setBootPartitionEvent();	
SWUD		
<i>Failure Details</i>		

16. Test suite test_PowerSequence

17. Test suite test_PROG_Cbk

0001	PROG_Cbk.PROG_CustomCoherencyCheck_BANKA_HSM_-INVALID	PASS
Title	Test PROG_CustomCoherencyCheck()	
Description	Test HSM status invalid in case of updating BankA Coherency Check result equals PROG_COHERENCY_ERR_INVALID_BLOCK	
REQUIREMENT		
FUNCTION UNDER TEST	PROG_CustomCoherencyCheck();	
SWUD		
<i>Failure Details</i>		

0002	PROG_Cbk.PROG_CustomCoherencyCheck_BANKB_HSM_-INVALID	PASS
Title	Test PROG_CustomCoherencyCheck()	
Description	Test HSM status invalid in case of updating BankB Coherency Check result equals PROG_COHERENCY_ERR_INVALID_BLOCK	
REQUIREMENT		
FUNCTION UNDER TEST	PROG_CustomCoherencyCheck();	
SWUD		
<i>Failure Details</i>		

0003	PROG_Cbk.PROG_CustomCoherencyCheck_BANKA_HSM_-VALID	PASS
Title	Test PROG_CustomCoherencyCheck()	
Description	Test HSM status valid in case of updating BankA Coherency Check result equals PROG_COHERENCY_OK	
REQUIREMENT		
FUNCTION UNDER TEST	PROG_CustomCoherencyCheck();	

0003	PROG_Cbk.PROG_CustomCoherencyCheck_BANKA_HSM_-VALID	PASS
SWUD		
<i>Failure Details</i>		
0004	PROG_Cbk.PROG_CustomCoherencyCheck_BANKB_HSM_-VALID	PASS
Title	Test PROG_CustomCoherencyCheck()	
Description	Test HSM status valid in case of updating BankB Coherency Check result equals PROG_COHERENCY_OK	
REQUIREMENT		
FUNCTION UNDER TEST	PROG_CustomCoherencyCheck();	
SWUD		
<i>Failure Details</i>		
0005	PROG_Cbk.PartitionSwitchSWC_CustomCoherencyCheckIn-ActiveBank_BANKA_HSM_INVALID	PASS
Title	Test PartitionSwitchSWC_CustomCoherencyCheckInActiveBank()	
Description	Test HSM status invalid in case of updating BankA Coherency Check result equals PROG_COHERENCY_ERR_INVALID_BLOCK	
REQUIREMENT		
FUNCTION UNDER TEST	PartitionSwitchSWC_CustomCoherencyCheckInActiveBank();	
SWUD		
<i>Failure Details</i>		
0006	PROG_Cbk.PartitionSwitchSWC_CustomCoherencyCheckIn-ActiveBank_BANKB_HSM_INVALID	PASS
Title	Test PartitionSwitchSWC_CustomCoherencyCheckInActiveBank()	
Description	Test HSM status invalid in case of updating BankB Coherency Check result equals PROG_COHERENCY_ERR_INVALID_BLOCK	
REQUIREMENT		
FUNCTION UNDER TEST	PartitionSwitchSWC_CustomCoherencyCheckInActiveBank();	
SWUD		
<i>Failure Details</i>		

0007	PROG_Cbk.PartitionSwitchSWC_CustomCoherencyCheckIn-ActiveBank_BANKA_HSM_VALID	PASS
Title	Test PartitionSwitchSWC_CustomCoherencyCheckInActiveBank()	
Description	Test HSM status valid in case of updating BankA Coherency Check result equals PROG_COHERENCY_OK	
REQUIREMENT		
FUNCTION UNDER TEST	PartitionSwitchSWC_CustomCoherencyCheckInActiveBank();	
SWUD		
<i>Failure Details</i>		

0008	PROG_Cbk.PartitionSwitchSWC_CustomCoherencyCheckIn-ActiveBank_BANKB_HSM_VALID	PASS
Title	Test PartitionSwitchSWC_CustomCoherencyCheckInActiveBank()	
Description	Test HSM status valid in case of updating BankB Coherency Check result equals PROG_COHERENCY_OK	
REQUIREMENT		
FUNCTION UNDER TEST	PartitionSwitchSWC_CustomCoherencyCheckInActiveBank();	
SWUD		
<i>Failure Details</i>		

0009	PROG_Cbk.HSMUpdate_InvalidateHSMApp_ACTIVE_BANKB	PASS
Title	Test HSMUpdate_InvalidateHSMApp()	
Description	Test Active BANKB case BANKA status should be PROG_INFO_RE-PROG_STATE_ERASED_START	
REQUIREMENT		
FUNCTION UNDER TEST	HSMUpdate_InvalidateHSMApp();	
SWUD		
<i>Failure Details</i>		

0010	PROG_Cbk.HSMUpdate_InvalidateHSMApp_ACTIVE_BANKA	PASS
Title	Test HSMUpdate_InvalidateHSMApp()	
Description	Test Active BANKA case BANKA status should be PROG_INFO_RE-PROG_STATE_ERASED_START	

0010	PROG_Cbk.HSMUpdate_InvalidateHSMApp_ACTIVE_BANKA	PASS
REQUIREMENT		
FUNCTION UNDER TEST	HSMUpdate_InvalidateHSMApp();	
SWUD		
<i>Failure Details</i>		

0011	PROG_Cbk.HSMUpdate_InvalidateHSMApp_ACTIVE_INVALID	PASS
Title	Test HSMUpdate_InvalidateHSMApp()	
Description	Test m_ubActiveBank has invalid value "0U" BL_Nvm_WriteSync shouldn't be called, status information shouldn't be changed for either banks	
REQUIREMENT		
FUNCTION UNDER TEST	HSMUpdate_InvalidateHSMApp();	
SWUD		
<i>Failure Details</i>		

0012	PROG_Cbk.HSMUpdate_ValidateHSMApp_ACTIVE_BANKB	PASS
Title	Test HSMUpdate_ValidateHSMApp()	
Description	Test Active BANKB case BANKA status should be PROG_INFO_RE-PROG_STATE_ERASED_START	
REQUIREMENT		
FUNCTION UNDER TEST	HSMUpdate_ValidateHSMApp();	
SWUD		
<i>Failure Details</i>		

0013	PROG_Cbk.HSMUpdate_ValidateHSMApp_ACTIVE_BANKA	PASS
Title	Test HSMUpdate_ValidateHSMApp()	
Description	Test Active BANKA case BANKA status should be PROG_INFO_RE-PROG_STATE_ERASED_START	
REQUIREMENT		
FUNCTION UNDER TEST	HSMUpdate_ValidateHSMApp();	
SWUD		
<i>Failure Details</i>		

0014	PROG_Cbk.HSMUpdate_ValidateHSMApp_ACTIVE_INVALID	PASS
Title	Test HSMUpdate_ValidateHSMApp()	
Description	Test m_ubActiveBank has invalid value "0U" BL_Nvm_WriteSync shouldn't be called, status information shouldn't be changed for either banks	
REQUIREMENT		
FUNCTION UNDER TEST	HSMUpdate_ValidateHSMApp();	
SWUD		
<i>Failure Details</i>		

0015	PROG_Cbk.HSMUpdate_IncrementHSMReprogCounter_IN-RANGE_COUNTERS	PASS
Title	Test HSMUpdate_IncrementHSMReprogCounter()	
Description	Test both counters are in range Both counters should be incremented	
REQUIREMENT		
FUNCTION UNDER TEST	HSMUpdate_IncrementHSMReprogCounter();	
SWUD		
<i>Failure Details</i>		

0016	PROG_Cbk.HSMUpdate_IncrementHSMReprogCounter_OUT-OF-RANGE_COUNTERS	PASS
Title	Test HSMUpdate_IncrementHSMReprogCounter()	
Description	Test both counters are out of range No counters should be incremented	
REQUIREMENT		
FUNCTION UNDER TEST	HSMUpdate_IncrementHSMReprogCounter();	
SWUD		
<i>Failure Details</i>		

0017	PROG_Cbk.HSMUpdate_IncrementHSMReprogCounter_OUT-OF-RANGE_BANKA	PASS
Title	Test HSMUpdate_IncrementHSMReprogCounter()	
Description	Test only BANKA counter is out of range No counters should be incremented	
REQUIREMENT		

0017	PROG_Cbk.HSMUpdate_IncrementHSMReprogCounter_OUT_-OF_RANGE_BANKA	PASS
FUNCTION UNDER TEST	HSMUpdate_IncrementHSMReprogCounter();	
SWUD		
<i>Failure Details</i>		

0018	PROG_Cbk.HSMUpdate_IncrementHSMReprogCounter_OUT_-OF_RANGE_BANKB	PASS
Title	Test HSMUpdate_IncrementHSMReprogCounter()	
Description	Test only BANKB counter is out of range No counters should be incremented	
REQUIREMENT		
FUNCTION UNDER TEST	HSMUpdate_IncrementHSMReprogCounter();	
SWUD		
<i>Failure Details</i>		

0019	PROG_Cbk.HSMUpdate_IsHSMUpdatePossible_IN-RANGE_COUNTERS	PASS
Title	Test HSMUpdate_IsHSMUpdatePossible()	
Description	Test both counters are in range function should return PROG_E_OK	
REQUIREMENT		
FUNCTION UNDER TEST	HSMUpdate_IsHSMUpdatePossible();	
SWUD		
<i>Failure Details</i>		

0020	PROG_Cbk.HSMUpdate_IsHSMUpdatePossible_OUT_OF_-RANGE_COUNTERS	PASS
Title	Test HSMUpdate_IsHSMUpdatePossible()	
Description	Test both counters are out of range function should return PROG_E_NOT_OK	
REQUIREMENT		
FUNCTION UNDER TEST	HSMUpdate_IsHSMUpdatePossible();	
SWUD		
<i>Failure Details</i>		

0021	PROG_Cbk.HSMUpdate_IsHSMUpdatePossible_OUT_OF_RANGE_BANKA	PASS
Title	Test HSMUpdate_IsHSMUpdatePossible()	
Description	Test only BANKA counter is out of range function should return PROG_E_NOT_OK	
REQUIREMENT		
FUNCTION UNDER TEST	HSMUpdate_IsHSMUpdatePossible();	
SWUD		
Failure Details		

0022	PROG_Cbk.HSMUpdate_IsHSMUpdatePossible_OUT_OF_RANGE_BANKB	PASS
Title	Test HSMUpdate_IsHSMUpdatePossible()	
Description	Test only BANKB counter is out of range function should return PROG_E_NOT_OK	
REQUIREMENT		
FUNCTION UNDER TEST	HSMUpdate_IsHSMUpdatePossible();	
SWUD		
Failure Details		

0023	PROG_Cbk.Prog_UpdateKeyProvStatus_ECC5andECC8	PASS
Title	Test Prog_UpdateKeyProvStatus()	
Description	Test ECC5 and ECC8 Provisioned KeyProvStatus should be KEY_PROV_PARTIAL	
REQUIREMENT		
FUNCTION UNDER TEST	Prog_UpdateKeyProvStatus();	
SWUD		
Failure Details		

0024	PROG_Cbk.Prog_UpdateKeyProvStatus_ECC5	PASS
Title	Test Prog_UpdateKeyProvStatus()	
Description	Test ECC5 Provisioned NVM write should not be called	
REQUIREMENT		

0024	PROG_Cbk.Prog_UpdateKeyProvStatus_ECC5	PASS
FUNCTION UNDER TEST	Prog_UpdateKeyProvStatus();	
SWUD		
<i>Failure Details</i>		

0025	PROG_Cbk.Prog_UpdateKeyProvStatus_ECC8	PASS
Title	Test Prog_UpdateKeyProvStatus()	
Description	Test ECC8 Provisioned NVM write should not be called	
REQUIREMENT		
FUNCTION UNDER TEST	Prog_UpdateKeyProvStatus();	
SWUD		
<i>Failure Details</i>		

0026	PROG_Cbk.Prog_UpdateKeyProvStatus_NoKeysProv	PASS
Title	Test Prog_UpdateKeyProvStatus()	
Description	Test no keys Provisioned NVM write should not be called	
REQUIREMENT		
FUNCTION UNDER TEST	Prog_UpdateKeyProvStatus();	
SWUD		
<i>Failure Details</i>		

0027	PROG_Cbk.Prog_KeyProvStatus_OK	PASS
Title	Test Prog_KeyProvStatus()	
Description	check if keys are provisioned when KeyProvStatus = OK result should be E_OK	
REQUIREMENT		
FUNCTION UNDER TEST	Prog_KeyProvStatus();	
SWUD		
<i>Failure Details</i>		

0028	PROG_Cbk.Prog_KeyProvStatus_PARTIAL	PASS
Title	Test Prog_KeyProvStatus()	

0028	PROG_Cbk.Prog_KeyProvStatus_PARTIAL	PASS
Description	check if keys are provisioned when KeyProvStatus = PARTIAL result should be E_OK	
REQUIREMENT		
FUNCTION UNDER TEST	Prog_KeyProvStatus();	
SWUD		
<i>Failure Details</i>		

0029	PROG_Cbk.Prog_KeyProvStatus_NOK	PASS
Title	Test Prog_KeyProvStatus()	
Description	check if keys are provisioned when KeyProvStatus = NOK result should be E_OK	
REQUIREMENT		
FUNCTION UNDER TEST	Prog_KeyProvStatus();	
SWUD		
<i>Failure Details</i>		

0023	PROG_Cbk.PROG_CheckProgRequest_REPROG	PASS
Title	Test HSMUpdate_IsHSMUpdatePossible()	
Description	Test only BANKB counter is out of range function should return PROG_E_NOT_OK	
REQUIREMENT		
FUNCTION UNDER TEST	HSMUpdate_IsHSMUpdatePossible();	
SWUD		
<i>Failure Details</i>		

0024	PROG_Cbk.PROG_CheckProgRequest_NOREPROG	PASS
Title	Test HSMUpdate_IsHSMUpdatePossible()	
Description	Test only BANKB counter is out of range function should return PROG_E_NOT_OK	
REQUIREMENT		
FUNCTION UNDER TEST	HSMUpdate_IsHSMUpdatePossible();	

0024	PROG_Cbk.PROG_CheckProgRequest_NOREPROG	PASS
SWUD		
<i>Failure Details</i>		

0025	PROG_Cbk.PROG_GetSuppressBitFromAppli_TRUE	PASS
Title	Test HSMUpdate_IsHSMUpdatePossible()	
Description	Test only BANKB counter is out of range function should return PROG_E_NOT_OK	
REQUIREMENT		
FUNCTION UNDER TEST	HSMUpdate_IsHSMUpdatePossible();	
SWUD		
<i>Failure Details</i>		

0026	PROG_Cbk.PROG_GetSuppressBitFromAppli_FALSE	PASS
Title	Test HSMUpdate_IsHSMUpdatePossible()	
Description	Test only BANKB counter is out of range function should return PROG_E_NOT_OK	
REQUIREMENT		
FUNCTION UNDER TEST	HSMUpdate_IsHSMUpdatePossible();	
SWUD		
<i>Failure Details</i>		

18. Test suite test_PROG_Rootkey

(n/a)	PROG_Rootkey.PROG_Rootkey_Test	PASS
<i>Failure Details</i>		

19. Test suite test_SA_Cbk

(n/a)	SA_Cbk.SA_Cbk_Test	PASS
<i>Failure Details</i>		

20. Test suite test_SchM

(n/a)	SchM.SchM_Test	PASS
Failure Details		

21. Test suite test_Shell

22. Test suite test_swc_frwd_MSoC

SWUT_swu_fwd_0001	SWC_ICCSWUUpdate_forwarding.ICC_Wrapper_WriteFingerprint_UdsReqLength_Less_22	PASS
Title	Unit Test for Function ICC_Wrapper_WriteFingerprint()	
Description	Check while MsoC has not yet booted up "MSoC_Services_Availability = FALSE". Check when the Input to the Function is "UdsReqLength is < 22" eUdsStatus must equal "UDS_NRC_13"	
REQUIREMENT	SWU_0001:1, SWU_0002:1, SWU_0003:1	
FUNCTION UNDER TEST	ICC_Wrapper_WriteFingerprint();	
SWUD		
Failure Details		

SWUT_swu_fwd_0002	SWC_ICCSWUUpdate_forwarding.ICC_Wrapper_WriteFingerprint_UdsReqLength_GreaterThan_22	PASS
Title	Unit Test for Function ICC_Wrapper_WriteFingerprint()	
Description	Check while MsoC has not yet booted up "MSoC_Services_Availability = FALSE". Check when the Input to the Function is "UdsReqLength is > 22" eUdsStatus must equal "UDS_NRC_13"	
REQUIREMENT	SWU_0001:1, SWU_0002:1, SWU_0003:1	
FUNCTION UNDER TEST	ICC_Wrapper_WriteFingerprint();	
SWUD		

SWUT_swu_fwd_0002	SWC_ICCSWUUpdate_forwarding.ICC_Wrapper_WriteFingerprint_UdsReqLength_GreaterThan_22	PASS
<i>Failure Details</i>		
SWUT_swu_fwd_0003	SWC_ICCSWUUpdate_forwarding.ICC_Wrapper_WriteFingerprint_UdsReqLength_Equal_22	PASS
Title	Unit Test for Function ICC_Wrapper_WriteFingerprint()	
Description	Check while MsoC has not yet booted up "MSoC_Services_Availability = FALSE". Check when the Input to the Function is "UdsReqLength is = 22" eUdsStatus must equal "UDS_NRC_78"	
REQUIREMENT	SWU_0001:1, SWU_0002:1, SWU_0003:1	
FUNCTION UNDER TEST	ICC_Wrapper_WriteFingerprint();	
SWUD		
<i>Failure Details</i>		
SWUT_swu_fwd_0004	SWC_ICCSWUUpdate_forwarding.ICC_Wrapper_WriteFingerprint_NULL_Ptr_Of_UdsReqLength	PASS
Title	Unit Test for Function ICC_Wrapper_WriteFingerprint()	
Description	Check while MsoC has not yet booted up "MSoC_Services_Availability = FALSE". AND also when the Input to the Function is " address of UdsReqLength = NULL POINTER" eUdsStatus must equal "UDS_ERR_COHE"	
REQUIREMENT	SWU_0001:1, SWU_0002:1, SWU_0003:1	
FUNCTION UNDER TEST	ICC_Wrapper_WriteFingerprint();	
SWUD		
<i>Failure Details</i>		
SWUT_swu_fwd_0005	SWC_ICCSWUUpdate_forwarding.ICC_Wrapper_WriteFingerprint_NULL_Ptr_Of_aubUdsData	PASS
Title	Unit Test for Function ICC_Wrapper_WriteFingerprint()	
Description	Check while MsoC has not yet booted up "MSoC_Services_Availability = FALSE". AND also when the Input to the Function is "aubUdsData = NULL POINTER" eUdsStatus must equal "UDS_ERR_COHE"	
REQUIREMENT	SWU_0001:1, SWU_0002:1, SWU_0003:1	
FUNCTION UNDER TEST	ICC_Wrapper_WriteFingerprint();	
SWUD		

SWUT_swu_fwd_0005	SWC_ICCSWUUpdate_forwarding.ICC_Wrapper_WriteFingerprint_NULL_Ptr_Of_aubUdsData	PASS
<i>Failure Details</i>		
SWUT_swu_fwd_0006	SWC_ICCSWUUpdate_forwarding.ICC_Wrapper_WriteFingerprint_MSoC_Services_Availability_TRUE_aubUdsData_NULL_PTR	PASS
Title	Unit Test for Function ICC_Wrapper_WriteFingerprint()	
Description	Check while MsoC has booted up "MSoC_Services_Availability = TRUE". AND also when the Input to the Function is "aubUdsData = NULL POINTER" eUdsStatus must equal "UDS_ERR_COHE"	
REQUIREMENT	SWU_0001:1, SWU_0002:1, SWU_0003:1	
FUNCTION UNDER TEST	ICC_Wrapper_WriteFingerprint();	
SWUD		
<i>Failure Details</i>		
SWUT_swu_fwd_0007	SWC_ICCSWUUpdate_forwarding.ICC_Wrapper_WriteFingerprint_MSoC_Services_Availability_TRUE_NULL_Ptr_Of_UdsReqLength	PASS
Title	Unit Test for Function ICC_Wrapper_WriteFingerprint()	
Description	Check while MsoC has booted up "MSoC_Services_Availability = TRUE". AND also when the Input to the Function is "&UdsReqLength = NULL POINTER" eUdsStatus must equal "UDS_ERR_COHE"	
REQUIREMENT	SWU_0001:1, SWU_0002:1, SWU_0003:1	
FUNCTION UNDER TEST	ICC_Wrapper_WriteFingerprint();	
SWUD		
<i>Failure Details</i>		
SWUT_swu_fwd_0008	SWC_ICCSWUUpdate_forwarding.ICC_Wrapper_WriteFingerprint_MSoC_Services_Availability_TRUE_UdsReqLength_Greater_Than_22	PASS
Title	Unit Test for Function ICC_Wrapper_WriteFingerprint()	
Description	Check while MsoC has booted up "MSoC_Services_Availability = TRUE". AND also when the Input to the Function is "UdsReqLength > 22" eUdsStatus must equal "UDS_NRC_13"	
REQUIREMENT	SWU_0001:1, SWU_0002:1, SWU_0003:1	

SWUT_swu_fwd_0008	SWC_ICCSWUpdate_forwarding.ICC_Wrapper_WriteFingerprint_MSoC_Services_Availability_TRUE_UdsReqLength_Greater_Than_22	PASS
FUNCTION UNDER TEST	ICC_Wrapper_WriteFingerprint();	
SWUD		
<i>Failure Details</i>		
SWUT_swu_fwd_0009	SWC_ICCSWUpdate_forwarding.ICC_Wrapper_WriteFingerprint_MSoC_Services_Availability_TRUE_UdsReqLength_Less_Than_22	PASS
Title	Unit Test for Function ICC_Wrapper_WriteFingerprint()	
Description	Check while MsoC has booted up "MSoC_Services_Availability = TRUE". AND also when the Input to the Function is "UdsReqLength < 22" eUdsStatus must equal "UDS_NRC_13"	
REQUIREMENT	SWU_0001:1, SWU_0002:1, SWU_0003:1	
FUNCTION UNDER TEST	ICC_Wrapper_WriteFingerprint();	
SWUD		
<i>Failure Details</i>		
SWUT_swu_fwd_0010	SWC_ICCSWUpdate_forwarding.ICC_Wrapper_WriteFingerprint_MSoC_Services_Availability_TRUE_UdsReqLength_Greater_equal_22	PASS
Title	Unit Test for Function ICC_Wrapper_WriteFingerprint()	
Description	Check while MsoC has booted up "MSoC_Services_Availability = TRUE". AND also when the Input to the Function is "UdsReqLength = 22" eUdsStatus must equal "UDS_NRC_78"	
REQUIREMENT	SWU_0001:1, SWU_0002:1, SWU_0003:1	
FUNCTION UNDER TEST	ICC_Wrapper_WriteFingerprint();	
SWUD		
<i>Failure Details</i>		
SWUT_swu_fwd_0108	SWC_ICCSWUpdate_forwarding.ICC_Wrapper_WriteFingerprint_Flash_SD_Enable	PASS
Title	Unit Test for Function ICC_Wrapper_WriteFingerprint()	
Description	Check flash service SD & Partition switching SD are enabled	

SWUT_swu_fwd_0108	SWC_ICCSWUpdate_forwarding.ICC_Wrapper_WriteFingerprint_Flash_SD_Enable	PASS
REQUIREMENT	SWU_0001:1, SWU_0002:1, SWU_0003:1	
FUNCTION UNDER TEST	ICC_Wrapper_WriteFingerprint();	
SWUD		
<i>Failure Details</i>		

SWUT_swu_fwd_0011	SWC_ICCSWUpdate_forwarding.SetEvent_WriteFinger-Print_TEST	PASS
Title	Unit Test for Function Trigger_WriteFingerprint();	
Description	Request must be forwardrd to function PROG_WriteFingerprint()	
REQUIREMENT	SWU_0001:1, SWU_0002:1, SWU_0003:1	
FUNCTION UNDER TEST	Trigger_WriteFingerprint();	
SWUD		
<i>Failure Details</i>		

SWUT_swu_fwd_0012	SWC_ICCSWUpdate_forwarding.ICC_Wrapper_EraseMemory_UdsReqLength_LessThan_6	PASS
Title	Unit Test for Function ICC_Wrapper_EraseMemory();	
Description	Check when the Input to the Function is "UdsReqLength != 6" , No NULL_PTRs passed eUdsStatus must equal "UDS_NRC_13"	
REQUIREMENT	SWU_0001:1, SWU_0002:1, SWU_0003:1	
FUNCTION UNDER TEST	ICC_Wrapper_EraseMemory();	
SWUD		
<i>Failure Details</i>		

SWUT_swu_fwd_0013	SWC_ICCSWUpdate_forwarding.ICC_Wrapper_EraseMemory_UdsReqLength_GreaterThan_6	PASS
Title	Unit Test for Function ICC_Wrapper_EraseMemory();	
Description	Check when the Input to the Function is "UdsReqLength != 6" , No NULL_PTRs passed eUdsStatus must equal "UDS_NRC_78"	
REQUIREMENT	SWU_0001:1, SWU_0002:1, SWU_0003:1	
FUNCTION UNDER TEST	ICC_Wrapper_EraseMemory();	

SWUT_swu_fwd_0013	SWC_ICCSWUpdate_forwarding.ICC_Wrapper_EraseMemory_UdsReqLength_GreaterThan_6	PASS
SWUD		
<i>Failure Details</i>		

SWUT_swu_fwd_0014	SWC_ICCSWUpdate_forwarding.ICC_Wrapper_EraseMemory_Addr_UdsReqLength_NULL_PTR	PASS
Title	Unit Test for Function ICC_Wrapper_EraseMemory();	
Description	Check when the Input to the Function is " address of UdsReqLength = NULL POINTER" eUdsStatus must equal "UDS_ERR_COHE"	
REQUIREMENT	SWU_0001:1, SWU_0002:1, SWU_0003:1	
FUNCTION UNDER TEST	ICC_Wrapper_EraseMemory();	
SWUD		
<i>Failure Details</i>		

SWUT_swu_fwd_0015	SWC_ICCSWUpdate_forwarding.ICC_Wrapper_EraseMemory_aubUdsData_NULL_PTR	PASS
Title	Unit Test for Function ICC_Wrapper_EraseMemory();	
Description	Check when the Input to the Function is " aubUdsData = NULL POINTER" eUdsStatus must equal "UDS_ERR_COHE"	
REQUIREMENT	SWU_0001:1, SWU_0002:1, SWU_0003:1	
FUNCTION UNDER TEST	ICC_Wrapper_EraseMemory();	
SWUD		
<i>Failure Details</i>		

SWUT_swu_fwd_0016	SWC_ICCSWUpdate_forwarding.Handle_MSoC_Response_EraseMemory_SomeIP_ret_Call_E_NOT_OK_01	PASS
Title	Unit Test for Function Handle_MSoC_Response_EraseMemory();	
Description	Check when " SomeIP_ret_Call = E_NOT_OK" and bChkCIVICCompatibility = CIVIC_COMPATIBILITY_OK eUdsStatus must equal "UDS_NRC_25" , bChkCIVICCompatibility must equal CIVIC_COMPATIBILITY_OK	
REQUIREMENT	SWU_0011:1,SWU_FailSafe_0008:1	
FUNCTION UNDER TEST	Handle_MSoC_Response_EraseMemory();	
SWUD		

SWUT_swu_fwd_0016	SWC_ICCSWUUpdate_forwarding.Handle_MSoC_Response_EraseMemory_SomeIP_ret_Call_E_NOT_OK_01	PASS
<i>Failure Details</i>		

SWUT_swu_fwd_0103	SWC_ICCSWUUpdate_forwarding.Handle_MSoC_Response_EraseMemory_SomeIP_ret_Call_E_NOT_OK_02	PASS
Title	Unit Test for Function Handle_MSoC_Response_EraseMemory();	
Description	Check when " SomeIP_ret_Call = E_NOT_OK" and bChkCIVICCompatibility = CIVIC_COMPATIBILITY_NOK eUdsStatus must equal "UDS_NRC_25" , bChkCIVICCompatibility must equal CIVIC_COMPATIBILITY_NOK	
REQUIREMENT	SWU_0011:1,SWU_FailSafe_0008:1	
FUNCTION UNDER TEST	Handle_MSoC_Response_EraseMemory();	
SWUD		
<i>Failure Details</i>		

SWUT_swu_fwd_0017	SWC_ICCSWUUpdate_forwarding.Handle_MSoC_Response_EraseMemory_SomeIP_ret_Call_E_OK_01	PASS
Title	Unit Test for Function Handle_MSoC_Response_EraseMemory();	
Description	Check when " SomeIP_ret_Call = E_OK" & " someip_arg_Call_result = E_OK" & and bChkCIVICCompatibility = CIVIC_COMPATIBILITY_OK eUdsStatus must equal "UDS_ACK",bChkCIVICCompatibility = CIVIC_COMPATIBILITY_NOK	
REQUIREMENT	SWU_0011:1 , SWU_FailSafe_0008:1	
FUNCTION UNDER TEST	Handle_MSoC_Response_EraseMemory();	
SWUD		
<i>Failure Details</i>		

SWUT_swu_fwd_0104	SWC_ICCSWUUpdate_forwarding.Handle_MSoC_Response_EraseMemory_SomeIP_ret_Call_E_OK_02	PASS
Title	Unit Test for Function Handle_MSoC_Response_EraseMemory();	
Description	Check when " SomeIP_ret_Call = E_OK" & " someip_arg_Call_result = E_OK" & and bChkCIVICCompatibility = CIVIC_COMPATIBILITY_NOK eUdsStatus must equal "UDS_ACK",bChkCIVICCompatibility = CIVIC_COMPATIBILITY_NOK	
REQUIREMENT	SWU_0011:1,SWU_FailSafe_0008:1	
FUNCTION UNDER TEST	Handle_MSoC_Response_EraseMemory();	

SWUT_swu_fwd_0104	SWC_ICCSWUpdate_forwarding.Handle_MSoC_Response_EraseMemory_SomeIP_ret_Call_E_OK_02	PASS
SWUD		
<i>Failure Details</i>		

SWUT_swu_fwd_0018	SWC_ICCSWUpdate_forwarding.Handle_MSoC_Response_EraseMemory_someip_arg_Call_result_Equal_E_NOT_OK_01	PASS
Title	Unit Test for Function Handle_MSoC_Response_EraseMemory();	
Description	Check when " SomeIP_ret_Call = E_OK" & " someip_arg_Call_result = E_NOT_OK" & and bChkCIVICCompatibility = CIVIC_COMPATIBILITY_OK eUdsStatus must equal "someip_arg_Call_result" , and bChkCIVICCompatibility must be CIVIC_COMPATIBILITY_OK	
REQUIREMENT	SWU_0011:1,SWU_FailSafe_0008:1	
FUNCTION UNDER TEST	Handle_MSoC_Response_EraseMemory();	
SWUD		
<i>Failure Details</i>		

SWUT_swu_fwd_0105	SWC_ICCSWUpdate_forwarding.Handle_MSoC_Response_EraseMemory_someip_arg_Call_result_Equal_E_NOT_OK_02	PASS
Title	Unit Test for Function Handle_MSoC_Response_EraseMemory();	
Description	Check when " SomeIP_ret_Call = E_OK" & " someip_arg_Call_result = E_NOT_OK" & and bChkCIVICCompatibility = CIVIC_COMPATIBILITY_NOK eUdsStatus must equal "someip_arg_Call_result" , and bChkCIVICCompatibility must be CIVIC_COMPATIBILITY_NOK	
REQUIREMENT	SWU_0011:1,SWU_FailSafe_0008:1	
FUNCTION UNDER TEST	Handle_MSoC_Response_EraseMemory();	
SWUD		
<i>Failure Details</i>		

SWUT_swu_fwd_0094	SWC_ICCSWUpdate_forwarding.Handle_MSoC_Response_WriteFingerprint_SomeIP_ret_Call_E_NOT_OK_OS_TASK_OsTask_1Min_FingerprintForwardingTimeout_NOT_Called	PASS
Title	Unit Test for Function Handle_MSoC_Response_WriteFingerprint();	

SWUT_swu_fwd_0094	SWC_ICCSWUUpdate_forwarding.Handle_MSoC_Response_WriteFingerprint_SomeIP_ret_Call_E_NOT_OK_OS_TASK_OsTask_1Min_FingerprintForwardingTimeout_NOT_Called	PASS
Description	Check when OS_TASK_OsTask_1Min_FingerprintForwardingTimeout() Wasn't called and " SomeIP_ret_Call = E_NOT_OK" eUdsStatus must equal "UDS_-NRC_25"	
REQUIREMENT	SWU_0011:1	
FUNCTION UNDER TEST	Handle_MSoC_Response_WriteFingerprint();	
SWUD		
<i>Failure Details</i>		

SWUT_swu_fwd_0095	SWC_ICCSWUUpdate_forwarding.Handle_MSoC_Response_WriteFingerprint_SomeIP_ret_Call_E_OK_OS_TASK_OsTask_1Min_FingerprintForwardingTimeout_NOT_Called	PASS
Title	Unit Test for Function Handle_MSoC_Response_WriteFingerprint();	
Description	Check when OS_TASK_OsTask_1Min_FingerprintForwardingTimeout() Wasn't called and " SomeIP_ret_Call = E_OK" & " someip_arg_Call_result = E_OK" eUdsStatus must equal "UDS_ACK"	
REQUIREMENT	SWU_0011:1	
FUNCTION UNDER TEST	Handle_MSoC_Response_WriteFingerprint();	
SWUD		
<i>Failure Details</i>		

SWUT_swu_fwd_0096	SWC_ICCSWUUpdate_forwarding.Handle_MSoC_Response_WriteFingerprint_someip_arg_Call_result_Equal_E_NOT_OK_OS_TASK_OsTask_1Min_FingerprintForwardingTimeout_NOT_Called	PASS
Title	Unit Test for Function Handle_MSoC_Response_WriteFingerprint();	
Description	Check when OS_TASK_OsTask_1Min_FingerprintForwardingTimeout() Wasn't called and " SomeIP_ret_Call = E_OK" & " someip_arg_Call_result = E_NOT_OK" eUdsStatus must equal "someip_arg_Call_result"	
REQUIREMENT	SWU_0011:1	
FUNCTION UNDER TEST	Handle_MSoC_Response_WriteFingerprint();	

SWUT_swu_fwd_0096	SWC_ICCSWUpdate_forwarding.Handle_MSoC_Response_WriteFingerprint_someip_arg_Call_result_Equal_E_NOT_OK_OS_TASK_OsTask_1Min_FingerprintForwarding-Timeout_NOT_Called	PASS
SWUD		
<i>Failure Details</i>		

SWUT_swu_fwd_0098	SWC_ICCSWUpdate_forwarding.Handle_MSoC_Response_WriteFingerprint_OS_TASK_OsTask_1Min_FingerprintForwarding_Called	PASS
Title	Unit Test for Function Handle_MSoC_Response_WriteFingerprint();	
Description	Check when OS_TASK_OsTask_1Min_FingerprintForwardingTimeout() Was called No response shall be sent, as the response was already sent from OS_TASK_OsTask_1Min_FingerprintForwardingTimeout()	
REQUIREMENT	SWU_0011:1	
FUNCTION UNDER TEST	Handle_MSoC_Response_WriteFingerprint();	
SWUD		
<i>Failure Details</i>		

SWUT_swu_fwd_0019	SWC_ICCSWUpdate_forwarding.ICC_Wrapper_RequestDownload_NO_NULL_PTR_addressLength_MoreThan_8_memSizeLength_MoreThan_4	PASS
Title	Unit Test for Function ICC_Wrapper_RequestDownload();	
Description	Check when Address of UdsReqLength, aubUdsData != NULL PTR && ((addressLength > 8U) && (memSizeLength > 4U)) eUdsStatus must equal "UDS_ERR_COHE"	
REQUIREMENT	SWU_0001:1, SWU_0002:1, SWU_0003:1	
FUNCTION UNDER TEST	ICC_Wrapper_RequestDownload();	
SWUD		
<i>Failure Details</i>		

SWUT_swu_fwd_0020	SWC_ICCSWUpdate_forwarding.ICC_Wrapper_RequestDownload_NO_NULL_PTR_addressLength_MoreThan_8_memSizeLength_LessThan_4	PASS
Title	Unit Test for Function ICC_Wrapper_RequestDownload();	

SWUT_swu_fwd_0020	SWC_ICCSWUpdate_forwarding.ICC_Wrapper_RequestDownload_NO_NULL_PTR_addressLength_MoreThan_8_memSizeLength_LessThan_4	PASS
Description	Check when Address of UdsReqLength, aubUdsData != NULL PTR && ((addressLength > 8U) && (memSizeLength < 4U)) eUdsStatus must equal "UDS_ERR_COHE"	
REQUIREMENT	SWU_0001:1, SWU_0002:1, SWU_0003:1	
FUNCTION UNDER TEST	ICC_Wrapper_RequestDownload();	
SWUD		
<i>Failure Details</i>		

SWUT_swu_fwd_0021	SWC_ICCSWUpdate_forwarding.ICC_Wrapper_RequestDownload_NO_NULL_PTR_addressLength_LessThan_8_memSizeLength_MoreThan_4	PASS
Title	Unit Test for Function ICC_Wrapper_RequestDownload();	
Description	Check when Address of UdsReqLength, aubUdsData != NULL PTR && ((addressLength < 8U) && (memSizeLength > 4U)) eUdsStatus must equal "UDS_ERR_COHE"	
REQUIREMENT	SWU_0001:1, SWU_0002:1, SWU_0003:1	
FUNCTION UNDER TEST	ICC_Wrapper_RequestDownload();	
SWUD		
<i>Failure Details</i>		

SWUT_swu_fwd_0022	SWC_ICCSWUpdate_forwarding.ICC_Wrapper_RequestDownload_NO_NULL_PTR_addressLength_EQUAL_8_memSizeLength_EQUAL_4	PASS
Title	Unit Test for Function ICC_Wrapper_RequestDownload();	
Description	Check when Address of UdsReqLength, aubUdsData != NULL PTR && ((addressLength = 8U) && (memSizeLength = 4U)) eUdsStatus must equal "UDS_NRC_78", currentEvent = EVENT_REQUEST_DOWNLOAD;	
REQUIREMENT	SWU_0001:1, SWU_0002:1, SWU_0003:1	
FUNCTION UNDER TEST	ICC_Wrapper_RequestDownload();	
SWUD		
<i>Failure Details</i>		

SWUT_swu_fwd_0023	SWC_ICCSWUUpdate_forwarding.ICC_Wrapper_RequestDownload_NO_NULL_PTR_addressLength_LessThan_8_memSizeLength_LessThan_4	PASS
Title	Unit Test for Function ICC_Wrapper_RequestDownload();	
Description	Check when Address of UdsReqLength, aubUdsData != NULL PTR && ((addressLength < 8U) && (memSizeLength < 4U)) eUdsStatus must equal "UDS_NRC_78", currentEvent = EVENT_REQUEST_DOWNLOAD;	
REQUIREMENT	SWU_0001:1, SWU_0002:1, SWU_0003:1	
FUNCTION UNDER TEST	ICC_Wrapper_RequestDownload();	
SWUD		
Failure Details		

SWUT_swu_fwd_0024	SWC_ICCSWUUpdate_forwarding.ICC_Wrapper_RequestDownload_currentReprogChip_MSoC_REPROG_aubUdsData_Null_Ptr	PASS
Title	Unit Test for Function ICC_Wrapper_RequestDownload();	
Description	Check when aubUdsData == NULL PTR eUdsStatus must equal "UDS_ERR_COHE"	
REQUIREMENT	SWU_0001:1, SWU_0002:1, SWU_0003:1	
FUNCTION UNDER TEST	ICC_Wrapper_RequestDownload();	
SWUD		
Failure Details		

SWUT_swu_fwd_0025	SWC_ICCSWUUpdate_forwarding.ICC_Wrapper_RequestDownload_currentReprogChip_MSoC_REPROG_addr_Of_UdsReqLength_Null_Ptr	PASS
Title	Unit Test for Function ICC_Wrapper_RequestDownload();	
Description	Check when address of UdsReqLength == NULL PTR eUdsStatus must equal "UDS_ERR_COHE"	
REQUIREMENT	SWU_0001:1, SWU_0002:1, SWU_0003:1	
FUNCTION UNDER TEST	ICC_Wrapper_RequestDownload();	
SWUD		
Failure Details		

SWUT_swu_fwd_0026	SWC_ICCSWUUpdate_forwarding.Handle_MSoC_Response_RequestDownload_SomeIP_ret_Call_Equal_E_NOT_OK	PASS
Title	Unit Test for Function Handle_MSoC_Response_RequestDownload();	
Description	Check when " SomeIP_ret_Call = E_NOT_OK" eUdsStatus must equal "UDS_-NRC_25"	
REQUIREMENT	SWU_0011:1	
FUNCTION UNDER TEST	Handle_MSoC_Response_RequestDownload();	
SWUD		
<i>Failure Details</i>		

SWUT_swu_fwd_0028	SWC_ICCSWUUpdate_forwarding.Handle_MSoC_Response_RequestDownload_SomeIP_ret_Call_Equal_E_OK_someip_arg_Call_result_E_OK	PASS
Title	Unit Test for Function Handle_MSoC_Response_RequestDownload();	
Description	Check when " SomeIP_ret_Call == E_OK" && someip_arg_Call_result == E_OK eUdsStatus must equal "UDS_ACK"	
REQUIREMENT	SWU_0011:1	
FUNCTION UNDER TEST	Handle_MSoC_Response_RequestDownload();	
SWUD		
<i>Failure Details</i>		

SWUT_swu_fwd_0029	SWC_ICCSWUUpdate_forwarding.ICC_Wrapper_TransferData_No_Null_Ptr	PASS
Title	Unit Test for Function ICC_Wrapper_TransferData();	
Description	Check when No Null Pointers has been passed eUdsStatus must equal "UDS_-NRC_78"	
REQUIREMENT	SWU_0001:1, SWU_0002:1, SWU_0003:1	
FUNCTION UNDER TEST	ICC_Wrapper_TransferData();	
SWUD		
<i>Failure Details</i>		

SWUT_swu_fwd_0030	SWC_ICCSWUpdate_forwarding.ICC_Wrapper_TransferData_aubUdsData_Null_Ptr	PASS
Title	Unit Test for Function ICC_Wrapper_TransferData();	
Description	Check when aubUdsData == NULL_PTR eUdsStatus must equal "UDS_ERR_COHE"	
REQUIREMENT	SWU_0001:1, SWU_0002:1, SWU_0003:1	
FUNCTION UNDER TEST	ICC_Wrapper_TransferData();	
SWUD		
<i>Failure Details</i>		

SWUT_swu_fwd_0031	SWC_ICCSWUpdate_forwarding.ICC_Wrapper_TransferData_addr_of_UdsReqLength_Null_Ptr	PASS
Title	Unit Test for Function ICC_Wrapper_TransferData();	
Description	Check when address of UdsReqLength == NULL_PTR eUdsStatus must equal "UDS_ERR_COHE"	
REQUIREMENT	SWU_0001:1, SWU_0002:1, SWU_0003:1	
FUNCTION UNDER TEST	ICC_Wrapper_TransferData();	
SWUD		
<i>Failure Details</i>		

SWUT_swu_fwd_0032	SWC_ICCSWUpdate_forwarding.Handle_MSoC_Response_TransferData_SomeIP_ret_Call_Equal_E_NOT_OK	PASS
Title	Unit Test for Function Handle_MSoC_Response_TransferData();	
Description	Check when " SomeIP_ret_Call == E_NOT_OK" eUdsStatus must equal "UDS_NRC_25"	
REQUIREMENT	SWU_0011:1	
FUNCTION UNDER TEST	Handle_MSoC_Response_TransferData();	
SWUD		
<i>Failure Details</i>		

SWUT_swu_fwd_0033	SWC_ICCSWUpdate_forwarding.Handle_MSoC_Response_TransferData_SomeIP_ret_Call_Equal_E_OK_someip_arg_Call_result_E_NOT_OK	PASS
Title	Unit Test for Function Handle_MSoC_Response_TransferData();	

SWUT_swu_fwd_0033	SWC_ICCSWUpdate_forwarding.Handle_MSoC_Response_TransferData_SomeIP_ret_Call_Equal_E_OK_-someip_arg_Call_result_E_NOT_OK	PASS
Description	Check when " SomeIP_ret_Call == E_OK" && someip_arg_Call_result == E_NOT_OK eUdsStatus must equal "someip_arg_Call_result"	
REQUIREMENT	SWU_0011:1	
FUNCTION UNDER TEST	Handle_MSoC_Response_TransferData();	
SWUD		
<i>Failure Details</i>		

SWUT_swu_fwd_0034	SWC_ICCSWUpdate_forwarding.Handle_MSoC_Response_TransferData_SomeIP_ret_Call_Equal_E_OK_-someip_arg_Call_result_E_OK	PASS
Title	Unit Test for Function Handle_MSoC_Response_TransferData();	
Description	Check when " SomeIP_ret_Call == E_OK" && someip_arg_Call_result == E_OK eUdsStatus must equal "someip_arg_Call_result"	
REQUIREMENT	SWU_0011:1	
FUNCTION UNDER TEST	Handle_MSoC_Response_TransferData();	
SWUD		
<i>Failure Details</i>		

SWUT_swu_fwd_0035	SWC_ICCSWUpdate_forwarding.Handle_MSoC_Response_RequestTransferExit_SomeIP_ret_Call_Equal_E_NOT_OK	PASS
Title	Unit Test for Function Handle_MSoC_Response_RequestTransferExit();	
Description	Check when " SomeIP_ret_Call == E_NOT_OK" eUdsStatus must equal "UDS_NRC_25"	
REQUIREMENT	SWU_0011:1	
FUNCTION UNDER TEST	Handle_MSoC_Response_RequestTransferExit();	
SWUD		
<i>Failure Details</i>		

SWUT_swu_fwd_0036	SWC_ICCSWUUpdate_forwarding.Handle_MSoC_Response_RequestTransferExit_SomeIP_ret_Call_Equal_E_OK_-someip_arg_Call_result_E_NOT_OK	PASS
Title	Unit Test for Function Handle_MSoC_Response_RequestTransferExit();	
Description	Check when " SomeIP_ret_Call == E_OK" && someip_arg_Call_result == E_NOT_OK eUdsStatus must equal "someip_arg_Call_result"	
REQUIREMENT	SWU_0011:1	
FUNCTION UNDER TEST	Handle_MSoC_Response_RequestTransferExit();	
SWUD		
<i>Failure Details</i>		

SWUT_swu_fwd_0037	SWC_ICCSWUUpdate_forwarding.Handle_MSoC_Response_RequestTransferExit_SomeIP_ret_Call_Equal_E_OK_-someip_arg_Call_result_E_OK	PASS
Title	Unit Test for Function Handle_MSoC_Response_RequestTransferExit();	
Description	Check when " SomeIP_ret_Call == E_OK" && someip_arg_Call_result == E_OK eUdsStatus must equal "someip_arg_Call_result"	
REQUIREMENT	SWU_0011:1	
FUNCTION UNDER TEST	Handle_MSoC_Response_RequestTransferExit();	
SWUD		
<i>Failure Details</i>		

SWUT_swu_fwd_0038	SWC_ICCSWUUpdate_forwarding.Handle_MSoC_Response_CheckMemory_SomeIP_ret_Call_Equal_E_NOT_OK	PASS
Title	Unit Test for Function Handle_MSoC_Response_CheckMemory();	
Description	Check when " SomeIP_ret_Call == E_NOT_OK" eUdsStatus must equal "UDS_NRC_25"	
REQUIREMENT	SWU_0011:1	
FUNCTION UNDER TEST	Handle_MSoC_Response_CheckMemory();	
SWUD		
<i>Failure Details</i>		

SWUT_swu_fwd_0039	SWC_ICCSWUpdate_forwarding.Handle_MSoC_Response_CheckMemory_SomeIP_ret_Call_Equal_E_OK_-someip_arg_Call_result_E_NOT_OK	PASS
Title	Unit Test for Function Handle_MSoC_Response_CheckMemory();	
Description	Check when " SomeIP_ret_Call == E_OK" && someip_arg_Call_result == E_NOT_OK eUdsStatus must equal "someip_arg_Call_result"	
REQUIREMENT	SWU_0011:1	
FUNCTION UNDER TEST	Handle_MSoC_Response_CheckMemory();	
SWUD		
<i>Failure Details</i>		

SWUT_swu_fwd_0040	SWC_ICCSWUpdate_forwarding.Handle_MSoC_Response_CheckMemory_SomeIP_ret_Call_Equal_E_OK_-someip_arg_Call_result_E_OK	PASS
Title	Unit Test for Function Handle_MSoC_Response_CheckMemory();	
Description	Check when " SomeIP_ret_Call == E_OK" && someip_arg_Call_result == E_OK eUdsStatus must equal "someip_arg_Call_result"	
REQUIREMENT	SWU_0011:1	
FUNCTION UNDER TEST	Handle_MSoC_Response_CheckMemory();	
SWUD		
<i>Failure Details</i>		

SWUT_swu_fwd_0041	SWC_ICCSWUpdate_forwarding.Handle_MSoC_Response_CoherencyCheck_SomeIP_ret_Call_Equal_E_NOT_OK_01	PASS
Title	Unit Test for Function Handle_MSoC_Response_CoherencyCheck();	
Description	Check when " SomeIP_ret_Call == E_NOT_OK" and CIVIC_COMPATIBILITY_NOK eUdsStatus must equal "UDS_NRC_25" and bChkCIVICCompatibility must equal CIVIC_COMPATIBILITY_NOK	
REQUIREMENT	SWU_0011:1,SWU_FailSafe_0009:1	
FUNCTION UNDER TEST	Handle_MSoC_Response_CoherencyCheck();	
SWUD		
<i>Failure Details</i>		

SWUT_swu_fwd_00100	SWC_ICCSWUUpdate_forwarding.Handle_MSoC_Response_CoherencyCheck_SomeIP_ret_Call_Equal_E_NOT_OK_02	PASS
Title	Unit Test for Function Handle_MSoC_Response_CoherencyCheck();	
Description	Check when " SomeIP_ret_Call == E_NOT_OK" and CIVIC_COMPATIBILITY_OK eUdsStatus must equal "UDS_NRC_25" and bChkCIVICCompatibility must equal CIVIC_COMPATIBILITY_OK	
REQUIREMENT	SWU_0011:1,SWU_FailSafe_0009:1	
FUNCTION UNDER TEST	Handle_MSoC_Response_CoherencyCheck();	
SWUD		
Failure Details		

SWUT_swu_fwd_0042	SWC_ICCSWUUpdate_forwarding.Handle_MSoC_Response_CoherencyCheck_SomeIP_ret_Call_Equal_E_OK_someip_arg_Call_result_E_NOT_OK_01	PASS
Title	Unit Test for Function Handle_MSoC_Response_CoherencyCheck();	
Description	Check when " SomeIP_ret_Call == E_OK" && someip_arg_Call_result == E_NOT_OK && bChkCIVICCompatibility = CIVIC_COMPATIBILITY_NOK eUdsStatus must equal "someip_arg_Call_result" , bChkCIVICCompatibility must equal CIVIC_COMPATIBILITY_NOK	
REQUIREMENT	SWU_0011:1,SWU_FailSafe_0009:1	
FUNCTION UNDER TEST	Handle_MSoC_Response_CoherencyCheck();	
SWUD		
Failure Details		

SWUT_swu_fwd_0101	SWC_ICCSWUUpdate_forwarding.Handle_MSoC_Response_CoherencyCheck_SomeIP_ret_Call_Equal_E_OK_someip_arg_Call_result_E_NOT_OK_02	PASS
Title	Unit Test for Function Handle_MSoC_Response_CoherencyCheck();	
Description	Check when " SomeIP_ret_Call == E_OK" && someip_arg_Call_result == E_NOT_OK && bChkCIVICCompatibility = CIVIC_COMPATIBILITY_OK eUdsStatus must equal "someip_arg_Call_result" , bChkCIVICCompatibility must equal CIVIC_COMPATIBILITY_OK	
REQUIREMENT	SWU_0011:1,SWU_FailSafe_0009:1	
FUNCTION UNDER TEST	Handle_MSoC_Response_CoherencyCheck();	

SWUT_swu_fwd_0101	SWC_ICCSWUUpdate_forwarding.Handle_MSoC_Response_CoherencyCheck_SomeIP_ret_Call_Equal_E_OK_-someip_arg_Call_result_E_NOT_OK_02	PASS
SWUD		
<i>Failure Details</i>		

SWUT_swu_fwd_0043	SWC_ICCSWUUpdate_forwarding.Handle_MSoC_Response_CoherencyCheck_SomeIP_ret_Call_Equal_E_OK_-someip_arg_Call_result_E_OK_01	PASS
Title	Unit Test for Function Handle_MSoC_Response_CoherencyCheck();	
Description	Check when " SomeIP_ret_Call == E_OK" && someip_arg_Call_result == E_OK && bChkCIVICCompatibility = CIVIC_COMPATIBILITY_NOK eUdsStatus must equal "someip_arg_Call_result" , bChkCIVICCompatibility must equal CIVIC_COMPATIBILITY_OK	
REQUIREMENT	SWU_0011:1,SWU_FailSafe_0009:1	
FUNCTION UNDER TEST	Handle_MSoC_Response_CoherencyCheck();	
SWUD		
<i>Failure Details</i>		

SWUT_swu_fwd_0102	SWC_ICCSWUUpdate_forwarding.Handle_MSoC_Response_CoherencyCheck_SomeIP_ret_Call_Equal_E_OK_-someip_arg_Call_result_E_OK_02	PASS
Title	Unit Test for Function Handle_MSoC_Response_CoherencyCheck();	
Description	Check when " SomeIP_ret_Call == E_OK" && someip_arg_Call_result == E_OK && bChkCIVICCompatibility = CIVIC_COMPATIBILITY_OK eUdsStatus must equal "someip_arg_Call_result" , bChkCIVICCompatibility must equal CIVIC_COMPATIBILITY_OK	
REQUIREMENT	SWU_0011:1,SWU_FailSafe_0009:1	
FUNCTION UNDER TEST	Handle_MSoC_Response_CoherencyCheck();	
SWUD		
<i>Failure Details</i>		

SWUT_swu_fwd_0044	SWC_ICCSWUUpdate_forwarding.Handle_MSoC_Response_Install_SomeIP_ret_Call_Equal_E_NOT_OK	PASS
Title	Unit Test for Function Handle_MSoC_Response_Install();	

SWUT_swu_fwd_0044	SWC_ICCSWUUpdate_forwarding.Handle_MSoC_Response_Install_SomeIP_ret_Call_Equal_E_NOT_OK	PASS
Description	Check when " SomeIP_ret_Call == E_NOT_OK" eUdsStatus must equal "UDS_NRC_25"	
REQUIREMENT	SWU_0011:1	
FUNCTION UNDER TEST	Handle_MSoC_Response_Install();	
SWUD		
<i>Failure Details</i>		

SWUT_swu_fwd_0045	SWC_ICCSWUUpdate_forwarding.Handle_MSoC_Response_Install_SomeIP_ret_Call_Equal_E_OK	PASS
Title	Unit Test for Function Handle_MSoC_Response_Install();	
Description	Check when " SomeIP_ret_Call == E_OK" eUdsStatus must equal "someip_arg_Call_result"	
REQUIREMENT	SWU_0011:1	
FUNCTION UNDER TEST	Handle_MSoC_Response_Install();	
SWUD		
<i>Failure Details</i>		

SWUT_swu_fwd_0104	SWC_ICCSWUUpdate_forwarding.Handle_MSoC_Response_Install_SomeIP_ret_Call_Equal_E_OK_someiparg_call_NOTOK	PASS
Title	Unit Test for Function Handle_MSoC_Response_Install();	
Description	Check when " SomeIP_ret_Call == E_OK" eUdsStatus must equal "someip_arg_Call_result"	
REQUIREMENT	SWU_0011:1	
FUNCTION UNDER TEST	Handle_MSoC_Response_Install();	
SWUD		
<i>Failure Details</i>		

SWUT_swu_fwd_0046	SWC_ICCSWUUpdate_forwarding.ICC_Wrapper_RequestTransferExit_No_Null_Ptr	PASS
Title	Unit Test for Function ICC_Wrapper_RequestTransferExit();	
Description	Check when No Null Pointers has been passed eUdsStatus must equal "UDS_NRC_78"	

SWUT_swu_fwd_0046	SWC_ICCSWUUpdate_forwarding.ICC_Wrapper_RequestTransferExit_No_Null_Ptr	PASS
REQUIREMENT	SWU_0001:1, SWU_0002:1, SWU_0003:1	
FUNCTION UNDER TEST	ICC_Wrapper_RequestTransferExit();	
SWUD		
<i>Failure Details</i>		

SWUT_swu_fwd_0047	SWC_ICCSWUUpdate_forwarding.ICC_Wrapper_RequestTransferExit_aubUdsData_Null_Ptr	PASS
Title	Unit Test for Function ICC_Wrapper_RequestTransferExit();	
Description	Check when aubUdsData == NULL_PTR eUdsStatus must equal "UDS_ERR_COHE"	
REQUIREMENT	SWU_0001:1, SWU_0002:1, SWU_0003:1	
FUNCTION UNDER TEST	ICC_Wrapper_RequestTransferExit();	
SWUD		
<i>Failure Details</i>		

SWUT_swu_fwd_0048	SWC_ICCSWUUpdate_forwarding.ICC_Wrapper_RequestTransferExit_address_of_UdsReqLength_Null_Ptr	PASS
Title	Unit Test for Function ICC_Wrapper_RequestTransferExit();	
Description	Check when address of UdsReqLength == NULL_PTR eUdsStatus must equal "UDS_ERR_COHE"	
REQUIREMENT	SWU_0001:1, SWU_0002:1, SWU_0003:1	
FUNCTION UNDER TEST	ICC_Wrapper_RequestTransferExit();	
SWUD		
<i>Failure Details</i>		

SWUT_swu_fwd_0049	SWC_ICCSWUUpdate_forwarding.ICC_Wrapper_CheckMemory_No_Null_Ptr_UdsReqLength_LessThan_73	PASS
Title	Unit Test for Function ICC_Wrapper_CheckMemory();	
Description	Check when No Null Pointers has been passed && UdsReqLength < 73 eUdsStatus must equal "UDS_NRC_13"	
REQUIREMENT	SWU_0001:1, SWU_0002:1, SWU_0003:1	

SWUT_swu_fwd_0049	SWC_ICCSWUUpdate_forwarding.ICC_Wrapper_CheckMemory_No_Null_Ptr_UdsReqLength_LessThan_73	PASS
FUNCTION UNDER TEST	ICC_Wrapper_CheckMemory();	
SWUD		
<i>Failure Details</i>		

SWUT_swu_fwd_0050	SWC_ICCSWUUpdate_forwarding.ICC_Wrapper_CheckMemory_No_Null_Ptr_UdsReqLength_GreaterThan_73	PASS
Title	Unit Test for Function ICC_Wrapper_CheckMemory();	
Description	Check when No Null Pointers has been passed && UdsReqLength > 73 eUdsStatus must equal "UDS_NRC_13"	
REQUIREMENT	SWU_0001:1, SWU_0002:1, SWU_0003:1	
FUNCTION UNDER TEST	ICC_Wrapper_CheckMemory();	
SWUD		
<i>Failure Details</i>		

SWUT_swu_fwd_0051	SWC_ICCSWUUpdate_forwarding.ICC_Wrapper_CheckMemory_No_Null_Ptr_UdsReqLength_EQUAL_73	PASS
Title	Unit Test for Function ICC_Wrapper_CheckMemory();	
Description	Check when No Null Pointers has been passed && UdsReqLength == 73 eUdsStatus must equal "UDS_NRC_78"	
REQUIREMENT	SWU_0001:1, SWU_0002:1, SWU_0003:1	
FUNCTION UNDER TEST	ICC_Wrapper_CheckMemory();	
SWUD		
<i>Failure Details</i>		

SWUT_swu_fwd_0052	SWC_ICCSWUUpdate_forwarding.ICC_Wrapper_CheckMemory_aubUdsData_Null_Ptr	PASS
Title	Unit Test for Function ICC_Wrapper_CheckMemory();	
Description	Check when aubUdsData == NULL_PTR eUdsStatus must equal "UDS_ERR_COHE"	
REQUIREMENT	SWU_0001:1, SWU_0002:1, SWU_0003:1	
FUNCTION UNDER TEST	ICC_Wrapper_CheckMemory();	

SWUT_swu_fwd_0052	SWC_ICCSWUpdate_forwarding.ICC_Wrapper_CheckMemory_aubUdsData_Null_Ptr	PASS
SWUD		
<i>Failure Details</i>		

SWUT_swu_fwd_0053	SWC_ICCSWUpdate_forwarding.ICC_Wrapper_CheckMemory_address_of_UdsReqLength_Null_Ptr	PASS
Title	Unit Test for Function ICC_Wrapper_CheckMemory();	
Description	Check when address of UdsReqLength == NULL_PTR eUdsStatus must equal "UDS_ERR_COHE"	
REQUIREMENT	SWU_0001:1, SWU_0002:1, SWU_0003:1	
FUNCTION UNDER TEST	ICC_Wrapper_CheckMemory();	
SWUD		
<i>Failure Details</i>		

SWUT_swu_fwd_0054	SWC_ICCSWUpdate_forwarding.ICC_Wrapper_CoherencyCheck_TestCase	PASS
Title	Unit Test for Function ICC_Wrapper_CoherencyCheck();	
Description	Request was correctly received but response from check (PROG_CoherencyCheck()) is still pending	
REQUIREMENT	SWU_0001:1, SWU_0002:1, SWU_0003:1	
FUNCTION UNDER TEST	ICC_Wrapper_CoherencyCheck();	
SWUD		
<i>Failure Details</i>		

SWUT_swu_fwd_0055	SWC_ICCSWUpdate_forwarding.ICC_Wrapper_Install_No_Null_Ptr_UdsReqLength_GreaterThan_1085	PASS
Title	Unit Test for Function ICC_Wrapper_Install();	
Description	Check when No Null Pointers has been passed && UdsReqLength > 1006 eUdsStatus must equal "UDS_NRC_13"	
REQUIREMENT	SWU_0001:1, SWU_0002:1, SWU_0003:1	
FUNCTION UNDER TEST	ICC_Wrapper_Install();	
SWUD		

SWUT_swu_fwd_0055	SWC_ICCSWUpdate_forwarding.ICC_Wrapper_Install_No_Null_Ptr_UdsReqLength_GreaterThan_1085	PASS
<i>Failure Details</i>		

SWUT_swu_fwd_0056	SWC_ICCSWUpdate_forwarding.ICC_Wrapper_Install_No_Null_Ptr_UdsReqLength_LessThan_1085	PASS
Title	Unit Test for Function ICC_Wrapper_Install();	
Description	Check when No Null Pointers hs been passed && UdsReqLength < 1006 eUdsStatus must equal "UDS_NRC_13"	
REQUIREMENT	SWU_0001:1, SWU_0002:1, SWU_0003:1	
FUNCTION UNDER TEST	ICC_Wrapper_Install();	
SWUD		
<i>Failure Details</i>		

SWUT_swu_fwd_0057	SWC_ICCSWUpdate_forwarding.ICC_Wrapper_Install_No_Null_Ptr_UdsReqLength_EQUAL_1085	PASS
Title	Unit Test for Function ICC_Wrapper_Install();	
Description	Check when No Null Pointers hs been passed && UdsReqLength == 1006 eUdsStatus must equal "UDS_NRC_78" && currentEvent = EVENT_INSTALL	
REQUIREMENT	SWU_0001:1, SWU_0002:1, SWU_0003:1	
FUNCTION UNDER TEST	ICC_Wrapper_Install();	
SWUD		
<i>Failure Details</i>		

SWUT_swu_fwd_0058	SWC_ICCSWUpdate_forwarding.ICC_Wrapper_Install_aubUdsData_Null_Ptr	PASS
Title	Unit Test for Function ICC_Wrapper_Install();	
Description	Check when aubUdsData == NULL_PTR eUdsStatus must equal "UDS_ERR_COHE"	
REQUIREMENT	SWU_0001:1, SWU_0002:1, SWU_0003:1	
FUNCTION UNDER TEST	ICC_Wrapper_Install();	
SWUD		
<i>Failure Details</i>		

SWUT_swu_fwd_0059	SWC_ICCSWUpdate_forwarding.ICC_Wrapper_Install_address_of_UdsReqLength_Null_Ptr	PASS
Title	Unit Test for Function ICC_Wrapper_Install();	
Description	Check when address of UdsReqLength == NULL_PTR eUdsStatus must equal "UDS_ERR_COHE"	
REQUIREMENT	SWU_0001:1, SWU_0002:1, SWU_0003:1	
FUNCTION UNDER TEST	ICC_Wrapper_Install();	
SWUD		
<i>Failure Details</i>		

SWUT_swu_fwd_0105	SWC_ICCSWUpdate_forwarding.ICC_Wrapper_InstallStart_NO_NULL_PTR_addressLength_MoreThan_8_memSizeLength_MoreThan_4	PASS
Title	Unit Test for Function ICC_Wrapper_InstallStart();	
Description	Check when Address of UdsReqLength, aubUdsData != NULL_PTR && ((addressLength > 8U) && (memSizeLength > 4U)) eUdsStatus must equal "UDS_ERR_COHE"	
REQUIREMENT	SWU_0001:1, SWU_0002:1, SWU_0003:1	
FUNCTION UNDER TEST	ICC_Wrapper_InstallStart();	
SWUD		
<i>Failure Details</i>		

SWUT_swu_fwd_0106	SWC_ICCSWUpdate_forwarding.ICC_Wrapper_InstallStart_NO_NULL_PTR_addressLength_MoreThan_8_memSizeLength_LessThan_4	PASS
Title	Unit Test for Function ICC_Wrapper_InstallStart();	
Description	Check when Address of UdsReqLength, aubUdsData != NULL_PTR && ((addressLength > 8U) && (memSizeLength < 4U)) eUdsStatus must equal "UDS_ERR_COHE"	
REQUIREMENT	SWU_0001:1, SWU_0002:1, SWU_0003:1	
FUNCTION UNDER TEST	ICC_Wrapper_InstallStart();	
SWUD		
<i>Failure Details</i>		

SWUT_swu_fwd_0107	SWC_ICCSWUUpdate_forwarding.ICC_Wrapper_InstallStart_NO_NULL_PTR_addressLength_LessThan_8_memSizeLength_MoreThan_4	PASS
Title	Unit Test for Function ICC_Wrapper_InstallStart();	
Description	Check when Address of UdsReqLength, aubUdsData != NULL PTR && ((addressLength < 8U) && (memSizeLength > 4U)) eUdsStatus must equal "UDS_ERR_COHE"	
REQUIREMENT	SWU_0001:1, SWU_0002:1, SWU_0003:1	
FUNCTION UNDER TEST	ICC_Wrapper_InstallStart();	
SWUD		
<i>Failure Details</i>		

SWUT_swu_fwd_0060	SWC_ICCSWUUpdate_forwarding.ICC_Wrapper_resetSystem_ret_Call_Equal_E_OK_No_NULL_Ptrs	PASS
Title	Unit Test for Function ICC_Wrapper_resetSystem();	
Description	Check when NO NUll Pointers are passed && someip_arg_Call_result == E_OK eUdsStatus must equal "someip_arg_Call_result"	
REQUIREMENT		
FUNCTION UNDER TEST		
SWUD		
<i>Failure Details</i>		

SWUT_swu_fwd_0061	SWC_ICCSWUUpdate_forwarding.ICC_Wrapper_resetSystem_ret_Call_Equal_E_NOT_OK_No_NULL_Ptrs	PASS
Title	Unit Test for Function ICC_Wrapper_resetSystem();	
Description	Check when NO NUll Pointers are passed && someip_arg_Call_result == E_NOT_OK eUdsStatus must equal "UDS_NRC_25"	
REQUIREMENT		
FUNCTION UNDER TEST		
SWUD		
<i>Failure Details</i>		

SWUT_swu_fwd_0062	SWC_ICCSWUpdate_forwarding.ICC_Wrapper_resetSystem_aubUdsData_Null_Ptr	PASS
Title	Unit Test for Function ICC_Wrapper_resetSystem();	
Description	Check when Passing any input as a NULL_PTR eUdsStatus must equal "UDS_ERR_COHE"	
REQUIREMENT		
FUNCTION UNDER TEST		
SWUD		
<i>Failure Details</i>		

SWUT_swu_fwd_0063	SWC_ICCSWUpdate_forwarding.ICC_Wrapper_resetSystem_address_of_UdsReqLength_Null_Ptr	PASS
Title	Unit Test for Function ICC_Wrapper_resetSystem();	
Description	Check when address of UdsReqLength == NULL_PTR eUdsStatus must equal "UDS_ERR_COHE"	
REQUIREMENT		
FUNCTION UNDER TEST		
SWUD		
<i>Failure Details</i>		

SWUT_swu_fwd_0064	SWC_ICCSWUpdate_forwarding.ICC_MainFunction_currentEvent_EVENT_WRITE_FINGERPRINT	PASS
Title	Unit Test for Function ICC_MainFunction()	
Description	Check when currentEvent == EVENT_WRITE_FINGERPRINT SomeIP_ret_Call must equal "RTE_SET_FINGERPRINT_STUB"	
REQUIREMENT	SWU_0010:1	
FUNCTION UNDER TEST	ICC_MainFunction();	
SWUD		
<i>Failure Details</i>		

SWUT_swu_fwd_0065	SWC_ICCSWUpdate_forwarding.ICC_MainFunction_currentEvent_EVENT_ERASE_MEMORY	PASS
Title	Unit Test for Function ICC_MainFunction()	

SWUT_swu_fwd_0065	SWC_ICCSWUpdate_forwarding.ICC_MainFunction_currentEvent_EVENT_ERASE_MEMORY	PASS
Description	Check when currentEvent == EVENT_ERASE_MEMORY SomeIP_ret_Call must equal someip_arg_Call_result	
REQUIREMENT	SWU_0010:1	
FUNCTION UNDER TEST	ICC_MainFunction();	
SWUD		
<i>Failure Details</i>		

SWUT_swu_fwd_0066	SWC_ICCSWUpdate_forwarding.ICC_MainFunction_currentEvent_EVENT_REQUEST_DOWNLOAD	PASS
Title	Unit Test for Function ICC_MainFunction()	
Description	Check when currentEvent == EVENT_REQUEST_DOWNLOAD SomeIP_ret_Call must equal someip_arg_Call_result	
REQUIREMENT	SWU_0010:1	
FUNCTION UNDER TEST	ICC_MainFunction();	
SWUD		
<i>Failure Details</i>		

SWUT_swu_fwd_0067	SWC_ICCSWUpdate_forwarding.ICC_MainFunction_currentEvent_EVENT_TRANSFER_DATA	PASS
Title	Unit Test for Function ICC_MainFunction()	
Description	Check when currentEvent == EVENT_TRANSFER_DATA SomeIP_ret_Call must equal someip_arg_Call_result	
REQUIREMENT	SWU_0010:1	
FUNCTION UNDER TEST	ICC_MainFunction();	
SWUD		
<i>Failure Details</i>		

SWUT_swu_fwd_0068	SWC_ICCSWUpdate_forwarding.ICC_MainFunction_currentEvent_EVENT_TRANSFER_EXIT	PASS
Title	Unit Test for Function ICC_MainFunction()	
Description	Check when currentEvent == EVENT_TRANSFER_EXIT SomeIP_ret_Call must equal someip_arg_Call_result	

SWUT_swu_fwd_0068	SWC_ICCSWUpdate_forwarding.ICC_MainFunction_currentEvent_EVENT_TRANSFER_EXIT	PASS
REQUIREMENT	SWU_0010:1	
FUNCTION UNDER TEST	ICC_MainFunction();	
SWUD		
<i>Failure Details</i>		

SWUT_swu_fwd_0069	SWC_ICCSWUpdate_forwarding.ICC_MainFunction_currentEvent_EVENT_CHECK_MEMORY	PASS
Title	Unit Test for Function ICC_MainFunction()	
Description	Check when currentEvent == EVENT_CHECK_MEMORY SomeIP_ret_Call must equal someip_arg_Call_result	
REQUIREMENT	SWU_0010:1	
FUNCTION UNDER TEST	ICC_MainFunction();	
SWUD		
<i>Failure Details</i>		

SWUT_swu_fwd_0070	SWC_ICCSWUpdate_forwarding.ICC_MainFunction_currentEvent_EVENT_INSTALL_START	PASS
Title	Unit Test for Function ICC_MainFunction()	
Description	Check when currentEvent == EVENT_INSTALL_START SomeIP_ret_Call must equal someip_arg_Call_result	
REQUIREMENT	SWU_0010:1	
FUNCTION UNDER TEST	ICC_MainFunction();	
SWUD		
<i>Failure Details</i>		

SWUT_swu_fwd_0071	SWC_ICCSWUpdate_forwarding.ICC_MainFunction_currentEvent_EVENT_CHECK_PROGRAMMING_DEPENDENCIES	PASS
Title	Unit Test for Function ICC_MainFunction()	
Description	Check when currentEvent == EVENT_CHECK_PROGRAMMING_DEPENDENCIES SomeIP_ret_Call must equal someip_arg_Call_result	
REQUIREMENT	SWU_0010:1	

SWUT_swu_fwd_0071	SWC_ICCSWUpdate_forwarding.ICC_MainFunction_currentEvent_EVENT_CHECK_PROGRAMMING_DEPENDENCIES	PASS
FUNCTION UNDER TEST	ICC_MainFunction();	
SWUD		
<i>Failure Details</i>		

SWUT_swu_fwd_0072	SWC_ICCSWUpdate_forwarding.ICC_MainFunction_currentEvent_EVENT_RESET	PASS
Title	Unit Test for Function ICC_MainFunction()	
Description	Check when currentEvent == EVENT_RESET SomeIP_ret_Call must equal someip_arg_Call_result	
REQUIREMENT	SWU_0010:1	
FUNCTION UNDER TEST	ICC_MainFunction();	
SWUD		
<i>Failure Details</i>		

SWUT_swu_fwd_0073	SWC_ICCSWUpdate_forwarding.ICC_MainFunction_currentEvent_EVENT_NONE	PASS
Title	Unit Test for Function ICC_MainFunction()	
Description	Check when currentEvent == EVENT_NONE SomeIP_ret_Call must equal someip_arg_Call_result	
REQUIREMENT	SWU_0010:1	
FUNCTION UNDER TEST	ICC_MainFunction();	
SWUD		
<i>Failure Details</i>		

SWUT_swu_fwd_0098	SWC_ICCSWUpdate_forwarding.ICC_MainFunction_currentEvent_EVENT_NONE_MSocService_NA	PASS
Title	Unit Test for Function ICC_MainFunction()	
Description	Check when currentEvent == EVENT_NONE	
REQUIREMENT	SWU_0010:1	
FUNCTION UNDER TEST	ICC_MainFunction();	

SWUT_swu_fwd_0098	SWC_ICCSWUpdate_forwarding.ICC_MainFunction_currentEvent_EVENT_NONE_MSocService_NA	PASS
SWUD		
<i>Failure Details</i>		

SWUT_swu_fwd_0098	SWC_ICCSWUpdate_forwarding.ICC_MainFunction_currentEvent_EVENT_NONE_2	PASS
Title	Unit Test for Function ICC_MainFunction()	
Description	Check when currentEvent == EVENT_NONE	
REQUIREMENT	SWU_0010:1	
FUNCTION UNDER TEST	ICC_MainFunction();	
SWUD		
<i>Failure Details</i>		

SWUT_swu_fwd_0078	SWC_ICCSWUpdate_forwarding.ICC_MainFunction_currentEvent_EVENT_INSTALL_STATUS	PASS
Title	Unit Test for Function ICC_MainFunction()	
Description	Check when currentEvent == EVENT_INSTALL_STATUS SomeIP_ret_Call must equal "someip_arg_Call_result"	
REQUIREMENT	SWU_0010:1	
FUNCTION UNDER TEST	ICC_MainFunction();	
SWUD		
<i>Failure Details</i>		

SWUT_swu_fwd_0079	SWC_ICCSWUpdate_forwarding.ICC_MainFunction_currentEvent_EVENT_INSTALL_STOP	PASS
Title	Unit Test for Function ICC_MainFunction()	
Description	Check when currentEvent == EVENT_INSTALL_STOP SomeIP_ret_Call must equal "someip_arg_Call_result"	
REQUIREMENT	SWU_0010:1	
FUNCTION UNDER TEST	ICC_MainFunction();	
SWUD		
<i>Failure Details</i>		

SWUT_swu_fwd_0074	SWC_ICCSWUpdate_forwarding.ICC_MainFunction_currentEvent_default	PASS
Title	Unit Test for Function ICC_Wrapper_WriteFingerprint()	
Description	Check that WriteFingerprint wrapper tries to enable Server services for flashing by MSoC via SomeIP.	
REQUIREMENT	SWU_0010:1	
FUNCTION UNDER TEST	ICC_MainFunction();	
SWUD		
<i>Failure Details</i>		

SWUT_swu_fwd_0097	SWC_ICCSWUpdate_forwarding.ICC_MainFunction_WriteCalledBef_DoIP	PASS
Title	Unit Test for Function ICC_MainFunction()	
Description	Check that WriteFingerprint wrapper tries to enable Server services for flashing by MSoC via SomeIP.	
REQUIREMENT	SWU_0010:1	
FUNCTION UNDER TEST	ICC_MainFunction();	
SWUD		
<i>Failure Details</i>		

SWUT_swu_fwd_0075	SWC_ICCSWUpdate_forwarding.ICC_Wrapper_Coherency-Check_aubUdsData_Null_Ptr_UdsReqLength_NULL_PTR	PASS
Title	Component Test for Function ICC_Wrapper_CoherencyCheck();	
Description	Check when aubUdsData == NULL_PTR and UdsReqLength = NULL_PTR eUdsStatus must equal "UDS_ERR_COHE"	
REQUIREMENT	SWU_0010:1	
FUNCTION UNDER TEST	ICC_MainFunction();	
SWUD		
<i>Failure Details</i>		

SWUT_swu_fwd_0077	SWC_ICCSWUpdate_forwarding.ICC_Wrapper_Coherency-Check_UdsReqLength_NULL_PTR	PASS
Title	Component Test for Function ICC_Wrapper_CoherencyCheck();	

SWUT_swu_fwd_0077	SWC_ICCSWUUpdate_forwarding.ICC_Wrapper_Coherency-Check_UdsReqLength_NULL_PTR	PASS
Description	Check when UdsReqLength = NULL_PTR eUdsStatus must equal "UDS_ERR_COHE"	
REQUIREMENT	SWU_0010:1	
FUNCTION UNDER TEST	ICC_MainFunction();	
SWUD		
<i>Failure Details</i>		

SWUT_swu_fwd_0076	SWC_ICCSWUUpdate_forwarding.ICC_Wrapper_Coherency-Check_aubUdsData_Null_Ptr	PASS
Title	Component Test for Function ICC_Wrapper_CoherencyCheck();	
Description	Check when aubUdsData == NULL_PTR eUdsStatus must equal "UDS_ERR_COHE"	
REQUIREMENT	SWU_0010:1	
FUNCTION UNDER TEST	ICC_MainFunction();	
SWUD		
<i>Failure Details</i>		

SWUT_swu_fwd_0080	SWC_ICCSWUUpdate_forwarding.ICC_Wrapper_InstallStatus_aubUdsData_Null_Ptr_UdsReqLength_NULL_PTR	PASS
Title	Component Test for Function ICC_Wrapper_InstallStatus();	
Description	Check when aubUdsData == NULL_PTR and UdsReqLength = NULL_PTR eUdsStatus must equal "UDS_ERR_COHE"	
REQUIREMENT	SWU_0001:1, SWU_0002:1, SWU_0003:1,SWU_HTTP_0001:1,SWU_HTTP_0004:1	
FUNCTION UNDER TEST	ICC_Wrapper_InstallStatus();	
SWUD		
<i>Failure Details</i>		

SWUT_swu_fwd_0081	SWC_ICCSWUUpdate_forwarding.ICC_Wrapper_InstallStatus_aubUdsData_Null_Ptr	PASS
Title	Component Test for Function ICC_Wrapper_InstallStatus();	

SWUT_swu_fwd_0081	SWC_ICCSWUpdate_forwarding.ICC_Wrapper_InstallStatus_aubUdsData_Null_Ptr	PASS
Description	Check when aubUdsData == NULL_PTR eUdsStatus must equal "UDS_ERR_COHE"	
REQUIREMENT	SWU_0001:1, SWU_0002:1, SWU_0003:1,SWU_HTTP_0001:1,SWU_HTTP_0004:1	
FUNCTION UNDER TEST	ICC_Wrapper_InstallStatus();	
SWUD		
<i>Failure Details</i>		
SWUT_swu_fwd_0082	SWC_ICCSWUpdate_forwarding.ICC_Wrapper_InstallStatus_UdsReqLength_NULL_PTR	PASS
Title	Component Test for Function ICC_Wrapper_InstallStatus();	
Description	Check when UdsReqLength = NULL_PTR eUdsStatus must equal "UDS_ERR_COHE"	
REQUIREMENT	SWU_0001:1, SWU_0002:1, SWU_0003:1,SWU_HTTP_0001:1,SWU_HTTP_0004:1	
FUNCTION UNDER TEST	ICC_Wrapper_InstallStatus();	
SWUD		
<i>Failure Details</i>		
SWUT_swu_fwd_0083	SWC_ICCSWUpdate_forwarding.ICC_Wrapper_InstallStatus_No_Null_Ptr_UdsReqLength_LessThan_4	PASS
Title	Unit Test for Function ICC_Wrapper_InstallStatus();	
Description	Check when No Null Pointers has been passed && UdsReqLength < 4 eUdsStatus must equal "UDS_NRC_13"	
REQUIREMENT	SWU_0001:1, SWU_0002:1, SWU_0003:1,SWU_HTTP_0001:1,SWU_HTTP_0004:1	
FUNCTION UNDER TEST	ICC_Wrapper_InstallStatus();	
SWUD		
<i>Failure Details</i>		
SWUT_swu_fwd_0084	SWC_ICCSWUpdate_forwarding.ICC_Wrapper_InstallStatus_No_Null_Ptr_UdsReqLength_EQUAL_4	PASS
Title	Unit Test for Function ICC_Wrapper_InstallStatus();	

SWUT_swu_fwd_0084	SWC_ICCSWUpdate_forwarding.ICC_Wrapper_InstallStatus_No_Null_Ptr_UdsReqLength_EQUAL_4	PASS
Description	Check when No Null Pointers has been passed && UdsReqLength == 4 eUdsStatus must equal "UDS_NRC_78" && currentEvent = EVENT_INSTALL_STATUS	
REQUIREMENT	SWU_0001:1, SWU_0002:1, SWU_0003:1,SWU_HTTP_0001:1,SWU_HTTP_0004:1	
FUNCTION UNDER TEST	ICC_Wrapper_InstallStatus();	
SWUD		
Failure Details		
SWUT_swu_fwd_0085	SWC_ICCSWUpdate_forwarding.ICC_Wrapper_InstallStop_aubUdsData_Null_Ptr_UdsReqLength_NULL_PTR	PASS
Title	Component Test for Function ICC_Wrapper_InstallStop();	
Description	Check when aubUdsData == NULL_PTR and UdsReqLength = NULL_PTR eUdsStatus must equal "UDS_ERR_COHE"	
REQUIREMENT	SWU_0001:1, SWU_0002:1, SWU_0003:1,SWU_HTTP_0001:1,SWU_HTTP_0004:1	
FUNCTION UNDER TEST	ICC_Wrapper_InstallStop();	
SWUD		
Failure Details		
SWUT_swu_fwd_0086	SWC_ICCSWUpdate_forwarding.ICC_Wrapper_InstallStop_aubUdsData_Null_Ptr	PASS
Title	Component Test for Function ICC_Wrapper_InstallStop();	
Description	Check when aubUdsData == NULL_PTR eUdsStatus must equal "UDS_ERR_COHE"	
REQUIREMENT	SWU_0001:1, SWU_0002:1, SWU_0003:1,SWU_HTTP_0001:1,SWU_HTTP_0004:1	
FUNCTION UNDER TEST	ICC_Wrapper_InstallStop();	
SWUD		
Failure Details		
SWUT_swu_fwd_0087	SWC_ICCSWUpdate_forwarding.ICC_Wrapper_InstallStop_UdsReqLength_NULL_PTR	PASS
Title	Component Test for Function ICC_Wrapper_InstallStop();	

SWUT_swu_fwd_0087	SWC_ICCSWUpdate_forwarding.ICC_Wrapper_InstallS-top_UdsReqLength_NULL_PTR	PASS
Description	Check when UdsReqLength = NULL_PTR eUdsStatus must equal "UDS_ERR_COHE"	
REQUIREMENT	SWU_0001:1, SWU_0002:1, SWU_0003:1,SWU_HTTP_0001:1,SWU_HTTP_0004:1	
FUNCTION UNDER TEST	ICC_Wrapper_InstallStop();	
SWUD		
<i>Failure Details</i>		
SWUT_swu_fwd_0088	SWC_ICCSWUpdate_forwarding.ICC_Wrapper_InstallS-top_No_Null_Ptr_UdsReqLength_LessThan_4	PASS
Title	Unit Test for Function ICC_Wrapper_InstallStop();	
Description	Check when No Null Pointers hs been passed && UdsReqLength < 70 eUdsStatus must equal "UDS_NRC_13"	
REQUIREMENT	SWU_0001:1, SWU_0002:1, SWU_0003:1,SWU_HTTP_0001:1,SWU_HTTP_0004:1	
FUNCTION UNDER TEST	ICC_Wrapper_InstallStop();	
SWUD		
<i>Failure Details</i>		
SWUT_swu_fwd_0089	SWC_ICCSWUpdate_forwarding.ICC_Wrapper_InstallS-top_No_Null_Ptr_UdsReqLength_EQUAL_4	PASS
Title	Unit Test for Function ICC_Wrapper_InstallStop();	
Description	Check when No Null Pointers hs been passed && UdsReqLength == 4 eUdsStatus must equal "UDS_NRC_78" && currentEvent = EVENT_INSTALL_STOP	
REQUIREMENT	SWU_0001:1, SWU_0002:1, SWU_0003:1,SWU_HTTP_0001:1,SWU_HTTP_0004:1	
FUNCTION UNDER TEST	ICC_Wrapper_InstallStop();	
SWUD		
<i>Failure Details</i>		
SWUT_swu_fwd_0090	SWC_ICCSWUpdate_forwarding.Handle_MSoC_Response_InstallStatus_SomeIP_ret_Call_Equal_E_NOT_OK	PASS
Title	Unit Test for Function Handle_MSoC_Response_InstallStatus();	

SWUT_swu_fwd_0090	SWC_ICCSWUUpdate_forwarding.Handle_MSoC_Response_InstallStatus_SomeIP_ret_Call_Equal_E_NOT_OK	PASS
Description	Check when " SomeIP_ret_Call == E_NOT_OK" eUdsStatus must equal "UDS_NRC_25"	
REQUIREMENT	SWU_0011:1	
FUNCTION UNDER TEST	Handle_MSoC_Response_InstallStatus();	
SWUD		
<i>Failure Details</i>		

SWUT_swu_fwd_0091	SWC_ICCSWUUpdate_forwarding.Handle_MSoC_Response_InstallStatus_SomeIP_ret_Call_Equal_E_OK	PASS
Title	Unit Test for Function Handle_MSoC_Response_InstallStatus();	
Description	Check when " SomeIP_ret_Call == E_OK" eUdsStatus must equal "UDS_ACK"	
REQUIREMENT	SWU_0011:1	
FUNCTION UNDER TEST	Handle_MSoC_Response_InstallStatus();	
SWUD		
<i>Failure Details</i>		

SWUT_swu_fwd_0103	SWC_ICCSWUUpdate_forwarding.Handle_MSoC_Response_InstallStatus_SomeIP_ret_Call_Equal_E_OK_someip_arg_call_NOT_OK	PASS
Title	Unit Test for Function Handle_MSoC_Response_InstallStatus();	
Description	Check when " SomeIP_ret_Call == E_OK" eUdsStatus must equal "UDS_ACK"	
REQUIREMENT	SWU_0011:1	
FUNCTION UNDER TEST	Handle_MSoC_Response_InstallStatus();	
SWUD		
<i>Failure Details</i>		

SWUT_swu_fwd_0092	SWC_ICCSWUUpdate_forwarding.Handle_MSoC_Response_InstallStop_SomeIP_ret_Call_Equal_E_NOT_OK	PASS
Title	Unit Test for Function Handle_MSoC_Response_InstallStop();	
Description	Check when " SomeIP_ret_Call == E_NOT_OK" eUdsStatus must equal "UDS_NRC_25"	

SWUT_swu_fwd_0092	SWC_ICCSWUUpdate_forwarding.Handle_MSoC_Response_InstallStop_SomeIP_ret_Call_Equal_E_NOT_OK	PASS
REQUIREMENT	SWU_0011:1	
FUNCTION UNDER TEST	Handle_MSoC_Response_InstallStop();	
SWUD		
<i>Failure Details</i>		

SWUT_swu_fwd_0093	SWC_ICCSWUUpdate_forwarding.Handle_MSoC_Response_InstallStop_SomeIP_ret_Call_Equal_E_OK	PASS
Title	Unit Test for Function Handle_MSoC_Response_InstallStop();	
Description	Check when " SomeIP_ret_Call == E_OK" eUdsStatus must equal "UDS_ACK"	
REQUIREMENT	SWU_0011:1	
FUNCTION UNDER TEST	Handle_MSoC_Response_InstallStop();	
SWUD		
<i>Failure Details</i>		

SWUT_swu_fwd_0102	SWC_ICCSWUUpdate_forwarding.Handle_MSoC_Response_InstallStop_SomeIP_ret_Call_Equal_E_OK_someiparg_call_E_NOT_OK	PASS
Title	Unit Test for Function Handle_MSoC_Response_InstallStop();	
Description	Check when " SomeIP_ret_Call == E_OK" eUdsStatus must equal "UDS_ACK"	
REQUIREMENT	SWU_0011:1	
FUNCTION UNDER TEST	Handle_MSoC_Response_InstallStop();	
SWUD		
<i>Failure Details</i>		

SWUT_swu_fwd_0099	SWC_ICCSWUUpdate_forwarding.Handle_MSoC_Response_DoIPConnectionInfo_SomeIP_ret_Call_Equal_E_NOT_OK	PASS
Title	Unit Test for Function Handle_MSoC_Response_DoIPConnectionInfo();	
Description	Check when " SomeIP_ret_Call == E_NOT_OK" DoIPaddress_NewActivation = ACTIVATION_SENT_TRIED	
REQUIREMENT	SWU_HTTP_0001:1	

SWUT_swu_fwd_0099	SWC_ICCSWUpdate_forwarding.Handle_MSoC_Response_DoIPConnectionInfo_SomeIP_ret_Call_Equal_E_NOT_OK	PASS
FUNCTION UNDER TEST	Handle_MSoC_Response_DoIPConnectionInfo();	
SWUD		
<i>Failure Details</i>		

SWUT_swu_fwd_0100	SWC_ICCSWUpdate_forwarding.Handle_MSoC_Response_DoIPConnectionInfo_SomeIP_ret_Call_Equal_E_OK	PASS
Title	Unit Test for Function Handle_MSoC_Response_DoIPConnectionInfo();	
Description	Check when " SomeIP_ret_Call == E_OK" DoIPaddress_NewActivation =ACTIVATION_SENT_TRIED	
REQUIREMENT	SWU_HTTP_0001:1	
FUNCTION UNDER TEST	Handle_MSoC_Response_DoIPConnectionInfo();	
SWUD		
<i>Failure Details</i>		

SWUT_swu_fwd_0099	SWC_ICCSWUpdate_forwarding.OS_TASK_OsTask_1Min_FingerprintForwardingTimeout_Handle_MSoC_Response_WriteFingerprint_NOT_Called	PASS
Title	Unit Test for Function OS_TASK_OsTask_1Min_FingerprintForwardingTimeout()	
Description	Check while Handle_MSoC_Response_WriteFingerprint() has NOT been called before. UDS_LongRequestEnd_MSoCResp() must be called	
REQUIREMENT	* FUNCTION UNDER TEST: OS_TASK_OsTask_1Min_FingerprintForwardingTimeout();	
FUNCTION UNDER TEST	OS_TASK_OsTask_1Min_FingerprintForwardingTimeout();	
SWUD		
<i>Failure Details</i>		

23. Test suite test_swc_iccdiagnostics

24. Test suite test_swc_iccswup_flashing

25. Test suite test_swc_loHwAbs

(n/a)	SWC_loHwAbs.SWC_loHwAbs_Test	PASS
Failure Details		

26. Test suite test_swc_swupMOST

0001	SWC_SwUpdateMOST.Invoke_udsRequest_SWC_SwUpdateMOST_both_NULL_PTR	PASS
Title	Unit Test for Function Invoke_udsRequest_SWC_SwUpdateMOST()	
Description	Check while u8MSoC_ServiceID_4698_Availability != 0x00U result eUdsStatus = UDS_ERR_COHE;	
REQUIREMENT	* SWUD:	
FUNCTION UNDER TEST	Invoke_udsRequest_SWC_SwUpdateMOST();	
SWUD	* FUNCTION UNDER TEST: Invoke_udsRequest_SWC_SwUpdateMOST();	
Failure Details		

0002	SWC_SwUpdateMOST.Invoke_udsRequest_SWC_SwUpdateMOST_both_puwLen_aubUdsData_neq_NULL_PTR	PASS
Title	Unit Test for Function Invoke_udsRequest_SWC_SwUpdateMOST()	
Description	Check while u8MSoC_ServiceID_4698_Availability != 0x00U result eUdsStatus = UDS_ERR_COHE;	
REQUIREMENT	* SWUD:	
FUNCTION UNDER TEST	Invoke_udsRequest_SWC_SwUpdateMOST();	
SWUD	* FUNCTION UNDER TEST: Invoke_udsRequest_SWC_SwUpdateMOST();	
Failure Details		

0003	SWC_SwUpdateMOST.Invoke_udsRequest_SWC_SwUpdate-MOST_MSoC_ServiceID_4698_Availability_eq_0x0U	PASS
Title	Unit Test for Function Invoke_udsRequest_SWC_SwUpdateMOST()	
Description	Check while u8MSoC_ServiceID_4698_Availability == 0x00U result eUdsStatus = E_OK;	
REQUIREMENT	* SWUD:	
FUNCTION UNDER TEST	Invoke_udsRequest_SWC_SwUpdateMOST();	
SWUD	* FUNCTION UNDER TEST: Invoke_udsRequest_SWC_SwUpdateMOST();	
Failure Details		

0004	SWC_SwUpdateMOST.Invoke_udsRequest_SWC_SwUpdate-MOST_MSoC_ServiceID_4698_Availability_eq_0x0U_puwen_-and_aubUds_eq_NULL_PTR	PASS
Title	Unit Test for Function Invoke_udsRequest_SWC_SwUpdateMOST()	
Description	Check while u8MSoC_ServiceID_4698_Availability == 0x00U result eUdsStatus = UDS_ERR_COHE;	
REQUIREMENT	* SWUD:	
FUNCTION UNDER TEST	Invoke_udsRequest_SWC_SwUpdateMOST();	
SWUD	* FUNCTION UNDER TEST: Invoke_udsRequest_SWC_SwUpdateMOST();	
Failure Details		

0005	SWC_SwUpdateMOST.Trigger_udsRequest_SWC_SwUpdate-MOST_test	PASS
Title	Unit Test for Function Trigger_udsRequest_SWC_SwUpdateMOST()	
REQUIREMENT	* SWUD:	
FUNCTION UNDER TEST	Trigger_udsRequest_SWC_SwUpdateMOST();	
SWUD	* FUNCTION UNDER TEST: Trigger_udsRequest_SWC_SwUpdateMOST();	
Failure Details		

0006	SWC_SwUpdateMOST.Handle_Response_SwUpdate-MOST_test	PASS
Title	Unit Test for Function Handle_Response_SwUpdateMOST()	
REQUIREMENT	* SWUD:	

0006	SWC_SwUpdateMOST.Handle_Response_SwUpdateMOST_test	PASS
FUNCTION UNDER TEST	Handle_Response_SwUpdateMOST();	
SWUD	* FUNCTION UNDER TEST: Handle_Response_SwUpdateMOST();	
Failure Details		

0007	SWC_SwUpdateMOST.SWC_SwUpdateMOST_RE1_ForwardRecieved_UDSRequest_ToMsoc_test	PASS
Title	Unit Test for Function SWC_SwUpdateMOST_RE1_ForwardRecieved_UDSRequest_ToMsoc()	
REQUIREMENT	* SWUD:	
FUNCTION UNDER TEST	SWC_SwUpdateMOST_RE1_ForwardRecieved_UDSRequest_ToMsoc();	
SWUD	* FUNCTION UNDER TEST: SWC_SwUpdateMOST_RE1_ForwardRecieved_UDSRequest_ToMsoc();	
Failure Details		

0008	SWC_SwUpdateMOST.SWC_SwUpdateMOST_RE2_DRE_GetNotified_UDSResponse_SendBackToDOIPRoutingModule_test	PASS
Title	Unit Test for Function SWC_SwUpdateMOST_RE2_DRE_GetNotified_UDSResponse_SendBackToDOIPRoutingModule()	
REQUIREMENT	* SWUD:	
FUNCTION UNDER TEST	SWC_SwUpdateMOST_RE2_DRE_GetNotified_UDSResponse_SendBackToDOIPRoutingModule();	
SWUD	* FUNCTION UNDER TEST: SWC_SwUpdateMOST_RE2_DRE_GetNotified_UDSResponse_SendBackToDOIPRoutingModule();	
Failure Details		

0009	SWC_SwUpdateMOST.Handle_Response_SwUpdateMOST_test_E_NOT_OK	PASS
Title	Unit Test for Function Handle_Response_SwUpdateMOST()	
REQUIREMENT	* SWUD:	
FUNCTION UNDER TEST	Handle_Response_SwUpdateMOST();	
SWUD	* FUNCTION UNDER TEST: Handle_Response_SwUpdateMOST();	
Failure Details		

0010	SWC_SwUpdateMOST.Handle_Response_SwUpdateMOST_test_E_NOT_OK_someipretcall_E_NOT_OK	PASS
Title	Unit Test for Function Handle_Response_SwUpdateMOST()	
REQUIREMENT	* SWUD:	
FUNCTION UNDER TEST	Handle_Response_SwUpdateMOST();	
SWUD	* FUNCTION UNDER TEST: Handle_Response_SwUpdateMOST();	
Failure Details		
0011	SWC_SwUpdateMOST.SWC_SwUpdateMOST_RE1_ForwardRecieved_UDSRequest_ToMsoc_test_flagnotset	PASS
Title	Unit Test for Function SWC_SwUpdateMOST_RE1_ForwardRecieved_UDSRequest_ToMsoc()	
REQUIREMENT	* SWUD:	
FUNCTION UNDER TEST	SWC_SwUpdateMOST_RE1_ForwardRecieved_UDSRequest_ToMsoc();	
SWUD	* FUNCTION UNDER TEST: SWC_SwUpdateMOST_RE1_ForwardRecieved_UDSRequest_ToMsoc();	
Failure Details		
0012	SWC_SwUpdateMOST.SWC_SwUpdateMOST_RE2_DRE_GetNotified_UDSResponse_SendBackToDOIPRoutingModule_test2	PASS
Title	Unit Test for Function SWC_SwUpdateMOST_RE2_DRE_GetNotified_UDSResponse_SendBackToDOIPRoutingModule()	
REQUIREMENT	* SWUD:	
FUNCTION UNDER TEST	SWC_SwUpdateMOST_RE2_DRE_GetNotified_UDSResponse_SendBackToDOIPRoutingModule();	
SWUD	* FUNCTION UNDER TEST: SWC_SwUpdateMOST_RE2_DRE_GetNotified_UDSResponse_SendBackToDOIPRoutingModule();	
Failure Details		
00013	SWC_SwUpdateMOST.Invoke_udsRequest_SWC_SwUpdateMOST_MSoC_ServiceID_4698_Availability_eq_0x2U_NULLPTRLength	PASS
Title	Unit Test for Function Invoke_udsRequest_SWC_SwUpdateMOST()	
Description	Check while u8MSoc_ServiceID_4698_Availability == 0x02U result eUdsStatus = E_OK;	

00013	SWC_SwUpdateMOST.Invoke_udsRequest_SWC_SwUpdate-MOST_MSoC_ServiceID_4698_Availability_eq_0x2U_NULLP-TRLength	PASS
REQUIREMENT	* SWUD:	
FUNCTION UNDER TEST	Invoke_udsRequest_SWC_SwUpdateMOST();	
SWUD	* FUNCTION UNDER TEST: Invoke_udsRequest_SWC_SwUpdateMOST();	
<i>Failure Details</i>		

00014	SWC_SwUpdateMOST.Invoke_udsRequest_SWC_SwUpdate-MOST_MSoC_ServiceID_4698_Availability_eq_0x2U_NULLP-TRdata	PASS
Title	Unit Test for Function Invoke_udsRequest_SWC_SwUpdateMOST()	
Description	Check while u8MSoC_ServiceID_4698_Availability == 0x02U result eUdsStatus = E_OK;	
REQUIREMENT	* SWUD:	
FUNCTION UNDER TEST	Invoke_udsRequest_SWC_SwUpdateMOST();	
SWUD	* FUNCTION UNDER TEST: Invoke_udsRequest_SWC_SwUpdateMOST();	
<i>Failure Details</i>		

2. Test Coverage

File	Lines	Covered	Branches	Covered
source\SWC_CDD\CDD_CPLD\src\CDD_CPLD.c	115/117	98.29 %	26/27	96.30 %
source\SWC_CDD\CDD_PowerSequence\src\CDD_PowerSequence.c	54/54	100.00 %	34/34	100.00 %
source\SWC_CDD\IoHwAbs\src\SWC_IoHwAbs.c	0/87	0.00 %	0/0	n/a
source\SWC_CDD\PartitionSwitchMng\src\PartitionSwitchSWC.c	135/144	93.75 %	61/70	87.14 %
source\SWC_CDD\SWC_ICCSWUpdate_Forwarding\src\SWC_ICCSWUpdate_forwarding.c	400/404	99.01 %	161/166	96.99 %
source\SWC_CDD\SWC_SwUpdateMOST\src\SWC_SwUpdateMOST.c	39/39	100.00 %	12/12	100.00 %
source\application\APP_Prg.c	21/184	11.41 %	2/2	100.00 %
source\application\BL_Nvm.c	0/51	0.00 %	0/0	n/a
source\application\BM_Cbk.c	34/42	80.95 %	8/12	66.67 %
source\application\BIPduR_cbk.c	24/76	31.58 %	6/6	100.00 %
source\application\CddDoipMostGateway_Cbk.c	16/18	88.89 %	9/9	100.00 %
source\application\DoIPUsr_Cbk.c	30/30	100.00 %	24/24	100.00 %
source\application\PROG_Cbk.c	86/318	27.04 %	60/66	90.91 %
source\application\SA_Cbk.c	0/48	0.00 %	0/0	n/a
source\application\SchM.c	0/6	0.00 %	0/0	n/a
source\application\csmwrapper.c	94/115	81.74 %	38/50	76.00 %
source\stubs\BswM.c	0/50	0.00 %	0/0	n/a
source\stubs\BswM_EthSM.h	0/2	0.00 %	0/0	n/a
source\stubs\ComM.c	0/2	0.00 %	0/0	n/a
source\stubs\Dem.c	0/2	0.00 %	0/0	n/a

Table 2.1. File Coverage