

HifiManCmd_LCU_lock_clear
 File: H_FCP_HIF_CORE.xls
 Author: R. Biggins



Procedure Summary

Objectives

The objective of this procedure is to clear the communication lock between the ICU and LCU

Based on procedure:
 HifiManCmd_LCU_lock_clear (v8)

Summary of Constraints

To be executed on HIFI request only

Spacecraft Configuration

Start of Procedure

Communication to LCU locked
 - LCU not producing TM

End of Procedure

Communication to LCU unlocked
 - LCU producing TM

Reference File(s)

Input Command Sequences

Output Command Sequences

HFHCORE

Referenced Displays

ANDs	GRDs	SLDs
HA000289		
ZAZ9C999		

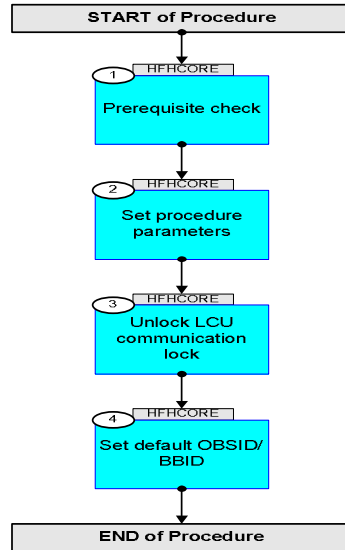
Configuration Control Information

DATE	FOP ISSUE	VERSION	MODIFICATION DESCRIPTION	AUTHOR	SPR REF
27/11/09		1	Created	R. Biggins	
02/12/09	3	2	Sequence name corrected	R. Biggins	

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Procedure Flowchart Overview



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Step No.	Time	Activity/Remarks	TC/TLM	Display/ Branch
Beginning of Procedure				
<i>TC Seq. Name :HFHCORE (Clear Comms Lock)</i> <i>TimeTag Type: Y</i> <i>Sub Schedule ID:</i> <input type="checkbox"/>				
1		<i>Prerequisite check</i>		Next Step: 2
1.1		<i>HSC/ICC input</i>		<input type="checkbox"/>
		Verify that the HSC/ICC has supplied a valid OBSID value: OBS_ID = 0xnnnn nnnn		
1.2		<i>Verify: LCU communication status</i>		<input type="checkbox"/>
		Verify Telemetry HI_LCU_commands HM049190 = DISABLED		AND=HA000289
2		<i>Set procedure parameters</i>		Next Step: 3
	ET=+ UT=+00.00.00	HIFI_Set_OBS_ID HIFI_Set_OBS_ID HC014289 <i>Command Parameter(s) :</i> HIFI_BB_ID HP001197 0F10001 <hex> HIFI_OBS_ID HP000197 OBS_ID <i>TC Control Flags :</i> GBM IL DSE --Y -- --- <i>Subsch. ID : 70</i> <i>Det. descr. : Set Observation-ID and Building-Block-ID</i>		
		Verify Telemetry BB_ID_per_hk HM004190 = 0F10001 <hex>		AND=ZAZ9C999
		Verify Telemetry OBS_ID_per_hk HM003190 OBS_ID		AND=ZAZ9C999
3		<i>Unlock LCU communication lock</i>		Next Step: 4
		After completion of this TC, HK from the LCU should be seen again		

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Step No.	Time	Activity/Remarks	TC/TLM	Display/ Branch
	ET=+ UT=+00.00.00	HIFI_clear_LCU_comm_lock HIFI_clear_LCU_comm_lock TC Control Flags : GBM IL DSE --Y -- -- Subsch. ID : 0 Det. descr. : Resets the LCU communication lock status	HC200289	
		Verify Telemetry HI_LCU_commands HM049190	= ENABLED	AND=HA000289
4		Set default OBSID/BBID		Next Step: END
	ET=+ UT=+00.00.00	HIFI_Set_OBS_ID HIFI_Set_OBS_ID Command Parameter(s) : HIFI_BB_ID HP001197 HIFI_OBS_ID HP000197 TC Control Flags : GBM IL DSE --Y -- -- Subsch. ID : 70 Det. descr. : Set Observation-ID and Building-Block-ID	HC014289	
		Verify Telemetry BB_ID_per_hk HM004190	= 0 <hex>	AND=ZAZ9C999
		Verify Telemetry OBS_ID_per_hk HM003190	= 0 <hex>	AND=ZAZ9C999
End of Procedure				