

LCU Safety Table and Memory Patch Upload  
 File: H\_COP\_HIF\_NUT0.xls  
 Author: R. Biggins



## Procedure Summary

### Objectives

This is a high-level procedure covering the LCU Safety Table and memory patch

### Summary of Constraints

RT Science (VC1) is NOT required for this activity

### Spacecraft Configuration

#### Start of Procedure

HIFI is in STANDBY I mode

#### End of Procedure

### Reference File(s)

#### Input Command Sequences

#### Output Command Sequences

### Referenced Displays

ANDs      GRDs      SLDs  
 ZAZ9C999

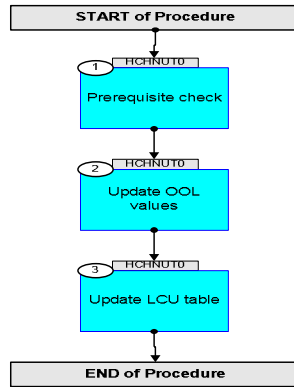
### Configuration Control Information

DATE	FOP ISSUE	VERSION	MODIFICATION DESCRIPTION	AUTHOR	SPR REF
09/04/09	2.3	1	Created	R. Biggins	
05/05/09	2.4	1.01	Validation : Step 2 renamed	R. Biggins	
26/05/09		2	- Order of sequences modified - Required OL changes due to table load included in procedure	R. Biggins	
30/05/09		3	- Bus Profile modification added	R. Biggins	
13/06/09	2.5	4	- Order of sequences modified	R. Biggins	

LCU Safety Table and Memory Patch Upload  
File: H\_COP\_HIF\_NUT0.xls  
Author: R. Biggins



## Procedure Flowchart Overview

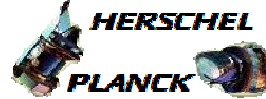


LCU Safety Table and Memory Patch Upload  
 File: H\_COP\_HIF\_NUT0.xls  
 Author: R. Biggins



Step No.	Time	Activity/Remarks	TC/TLM	Display/ Branch
<b>Beginning of Procedure</b>				
<p><i>TC Seq. Name : HCHNUT0 (LCU Table and Memory)</i></p> <p><i>TimeTag Type: N</i>  <i>Sub Schedule ID:</i></p> <p style="text-align: center;">□</p>				
1		Prerequisite check		Next Step: 2
1.1		Verify HSC/ICC inputs		□
		Verify that the following inputs have been supplied by the HCS/ICC:		
		FP: <b>OBS_ID</b> (4 required) <b>LCU_CRC</b>		
		IPF: <b>HFHCUPMX_LCUPATCH_vvvv.IPF</b>		
		IPF: <b>HFHNUT0_00010450_vvvv.IPF</b> <b>HFHNUT1_04510900_vvvv.IPF</b> <b>HFHNUT2_09011350_vvvv.IPF</b> <b>HFHNUT3_13511800_vvvv.IPF</b> <b>HFHNUT4_18012250_vvvv.IPF</b> <b>HFHNUT5_22512700_vvvv.IPF</b> <b>HFHNUT6_27013150_vvvv.IPF</b> <b>HFHNUT7_31513600_vvvv.IPF</b> <b>HFHNUT8_36014050_vvvv.IPF</b> <b>HFHNUT9_40514500_vvvv.IPF</b>		
		<b>HFHNUTA_45014900_vvvv.IPF</b> <b>HFHNUTB_49015400_vvvv.IPF</b> <b>HFHNUTC_54015850_vvvv.IPF</b> <b>HFHNUTD_58516300_vvvv.IPF</b> <b>HFHNUTE_63016750_vvvv.IPF</b> <b>HFHNUTF_67517200_vvvv.IPF</b> <b>HFHNUTG_72017650_vvvv.IPF</b> <b>HFHNUTH_76517905_vvvv.IPF</b>		
		IPF: <b>HFHCRTMY_LCUPATCH_vvvv.IPF</b>		
1.2		Verify Bus Profile		□
		Verify Telemetry <b>BSW_SDB_ActProf</b> <b>DEF5F160</b>	<b>= 2 &lt;dec&gt;</b>	<b>AND=ZAZ9C999</b>
		If the above profile is not set to HIFI Prime (2), the TC <b>DC819160</b> should be executed		
2		Update OOL values		Next Step: 3

LCU Safety Table and Memory Patch Upload  
 File: H\_COP\_HIF\_NUT0.xls  
 Author: R. Biggins



Step No.	Time	Activity/Remarks	TC/TLM	Display/ Branch
		Update Expected Checksum:  HD246194 should be updated to modify the expected cheksum to the value provided by HIFI		
		Update Temperature Limits:  HD248194 should be updated to modify the values of VAR_low and VAR_high to the values supplied by HIFI		
		<b>WARNING:</b> The above new values should be made permanent in the database, so a DB change request is required (although since the OL upadtes are patched in the DB it is only required that any new databases contain the modified values)		
3		Update LCU table		Next Step: END
		Please execute the following procedures and in the defined order.  Duration ~40 minutes		
		PROCEDURE: H_FCP_HIF_CUPM [HFHCUPMX] [HFHCUPMY]  FP: OBS_ID IPF: HFHCUPMX_LCUPATCH_vvvv.IPF		
		PROCEDURE: H_FCP_HIF_NLUT [HFHNLUT]  FP: OBS_ID IPF: HFHNUT0_00010450_vvvv.IPF HFHNUT1_04510900_vvvv.IPF HFHNUT2_09011350_vvvv.IPF HFHNUT3_13511800_vvvv.IPF HFHNUT4_18012250_vvvv.IPF HFHNUT5_22512700_vvvv.IPF HFHNUT6_27013150_vvvv.IPF HFHNUT7_31513600_vvvv.IPF HFHNUT8_36014050_vvvv.IPF HFHNUT9_40514500_vvvv.IPF		
		HFHNUTA_45014900_vvvv.IPF HFHNUTB_49015400_vvvv.IPF HFHNUTC_54015850_vvvv.IPF HFHNUTD_58516300_vvvv.IPF HFHNUTE_63016750_vvvv.IPF HFHNUTF_67517200_vvvv.IPF HFHNUTG_72017650_vvvv.IPF HFHNUTH_76517905_vvvv.IPF		
		PROCEDURE: H_FCP_HIF_CRTM [HFHCRTMX] [HFHCRTMY] [HFHCRTMZ]  FP: OBS_ID IPF: HFHCRTMY_LCUPATCH_vvvv.IPF		

LCU Safety Table and Memory Patch Upload  
 File: H\_COP\_HIF\_NUT0.xls  
 Author: R. Biggins



Step No.	Time	Activity/Remarks	TC/TLM	Display/ Branch
		PROCEDURE: H_FCP_HIF_CCRC [HFHCCRC]  FP: OBS_ID LCU_CRC		
<b>End of Procedure</b>				