LCU Safety Table and Memory Patch Upload
File: H_COP_HIF_RUT0.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 Standby1 mode

End of Procedure

No change to HIFI mode

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
26/11/09	3	1	Created	R. Biggins	

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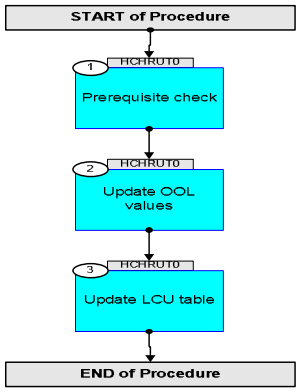
Procedure Flowchart Overview



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Step No.	Time	Activity/Remarks	TC/TLM	Display/ Branch
		Beginning of Procedure		
		TC Seq. Name :HCHRUT0 (LCU Table and Memory) *TimeTag Type: N* *Sub Schedule ID:*		
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: **OBS_ID** (4 required) **LCU_CRC**		
		IPF: HFHCUPMX_LCUPATCH_vvvv.IPF		
		IPF: HFHRUT0_00010450_vvvv.IPF HFHRUT1_04510900_vvvv.IPF HFHRUT2_09011350_vvvv.IPF HFHRUT3_13511800_vvvv.IPF HFHRUT4_18012250_vvvv.IPF HFHRUT5_22512700_vvvv.IPF HFHRUT6_27013150_vvvv.IPF HFHRUT7_31513600_vvvv.IPF HFHRUT8_36014050_vvvv.IPF HFHRUT9_40514500_vvvv.IPF		
		HFHRUTA_45014900_vvvv.IPF HFHRUTB_49015400_vvvv.IPF HFHRUTC_54015850_vvvv.IPF HFHRUTD_58516300_vvvv.IPF HFHRUTE_63016750_vvvv.IPF HFHRUTF_67517200_vvvv.IPF HFHRUTG_72017650_vvvv.IPF HFHRUTH_76517905_vvvv.IPF		
		IPF: HFHCRTMY_LCUPATCH_vvvv.IPF		
1.2		*Verify Bus Profile*		
		Verify Telemetry **BSW_SDB_ActProf** **DEF5F160**	**= 2 <dec>**	AND=ZAZ9C999
		If the above profile is not set to HIFI Prime (2), the TC **DC819160** should be executed		
2		*Update OOL values*		Next Step: 3

Step No.	Time	Activity/Remarks	TC/TLM	Display/ Branch
		Update Expected Checksum: **HD246194** should be updated to modify the expected checksum 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		
		WARNING: 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_RLUT** **[HFHRLUT]** FP: OBS_ID IPF: HFHRUT0_00010450_vvvv.IPF HFHRUT1_04510900_vvvv.IPF HFHRUT2_09011350_vvvv.IPF HFHRUT3_13511800_vvvv.IPF HFHRUT4_18012250_vvvv.IPF HFHRUT5_22512700_vvvv.IPF HFHRUT6_27013150_vvvv.IPF HFHRUT7_31513600_vvvv.IPF HFHRUT8_36014050_vvvv.IPF HFHRUT9_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		

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