ICU Memory Load
File: H_FCP_HIF_IMEM.xls
Author: R. Biggins

Procedure Summary

Objectives

This is a top level procedure intended to describe the case of a
HIFI ICU memory load

Summary of Constraints

n/a

Spacecraft Configuration

Start of Procedure

n/a

End of Procedure

n/a

Reference File(s)

Input Command Sequences

Output Command Sequences

HFHIMEM

Referenced Displays

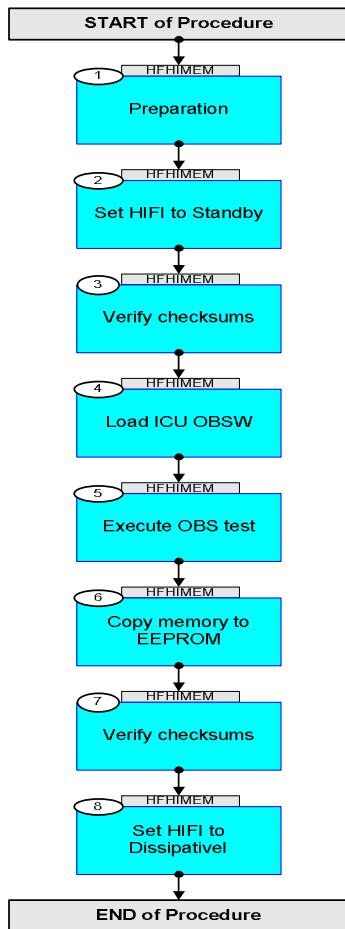**ANDs   GRDs   SLDs**

Configuration Control Information

DATE	FOP ISSUE	VERSION	MODIFICATION DESCRIPTION	AUTHOR	SPR REF
10/02/2011		1	Created	R. Biggins	
03/05/2011	3.1	1.01	Validation : Validation: Procedure call added to Step 2 (erroneously not included)	R. Biggins	

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Procedure Flowchart Overview

START of Procedure

1 HFHIMEM
Preparation

2 HFHIMEM
Set HIFI to Standby

3 HFHIMEM
Verify checksums

4 HFHIMEM
Load ICU OBSW

5 HFHIMEM
Execute OBS test

6 HFHIMEM
Copy memory to EEPROM

7 HFHIMEM
Verify checksums

8 HFHIMEM
Set HIFI to Dissipativel

END of Procedure

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Step No.	Time	Activity/Remarks	TC/TLM	Display/ Branch
		Beginning of Procedure		
		TC Seq. Name :HFHIMEM (ICU Memory Load) *TimeTag Type: B* *Sub Schedule ID:*		
1		*Preparation*		Next Step: 2
		OBSID Values The required OBSID values should be taken from the OBSID list. This list should be updated to describe the procedures executed, the associated OBSID values and the approximate start time of execution. At the end of operations, the list should be sent to HSC operations, and HIFI operations.		
		BUS PROFILE: If HIFI is not the prime instrument, the following command can be used to set HIFI to the prime instrument. Note that any software load must be done when HIFI is the prime instrument.		

		Set HIFI bus profile
		
		        SelectActiveSCBP
		
		Command Parameter(s) :
		      SCBP **DH049160**
		
		Subsch. ID : 10
		Det. descr. : Select Active SCBP from SCBP Table
		This Telecommand will not be included in the export
			DC819160
			
			SCBP_02	

2		*Set HIFI to Standby*		Next Step: 3
		PROCEDURE: **H_FCP_HIF_C2S1** **[HFHC2S1]** FP: **OBS_ID** = *see note at start*		
3		*Verify checksums*		Next Step: 4
		WARNING: The following procedure is ICU software version dependent. Ensure that the values are correct for the **current ICU software** version.		
		PROCEDURE: **H_FCP_HIF_CSEU** **[HFHCSEU]** FP: **OBS_ID** = *see note at start*		
4		*Load ICU OBSW*		Next Step: 5

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Step No.	Time	Activity/Remarks	TC/TLM	Display/ Branch
		PROCEDURE: **H_FCP_HIF_CLOM** [HFHCLOM] FP: OBS_ID = *see note at start* *FPs to be confirmed with HIFI*		
5		*Execute OBS test*		Next Step: 6
		Execute: SEQUENCE: **HFD1013A** [Enable VC1 for RT science]		
		PROCEDURE: **H_FCP_HIF_COBS** [HFHCOBS] FP: OBS_ID = *see note at start*		
		Execute: SEQUENCE: **HFD1013B** [Disable VC1 for RT science]		
6		*Copy memory to EEPROM*		Next Step: 7
		PROCEDURE: **H_FCP_HIF_CLEM** [HFHCLEM] FP: OBS_ID = *see note at start* **PARTITON = 1 or 2 (TBD HIFI)**		
7		*Verify checksums*		Next Step: 8
		WARNING: The following procedure is ICU software version dependent. Ensure that the values are correct for the **new ICU software** version.		
		PROCEDURE: **H_FCP_HIF_CSEU** [HFHCSEU] FP: OBS_ID = *see note at start*		
8		*Set HIFI to DissipativeI*		Next Step: END

		PROCEDURE: **H_FCP_HIF_CCEN** [HFHCCEN]
		
		FP: OBS_ID = *see note at start*
		            STEPMSEC = 3000 ms
		            LCU_CRC = *see procedure for details*
		            STEP_SEC = 3600 s		

		PROCEDURE: **H_FCP_HIF_R2D1** [HFHR2D1] FP: OBS_ID = *see note at start* HL_HEAT = 6 V		

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Step No.	Time	Activity/Remarks	TC/TLM	Display/ Branch
		End of Procedure		