

HifiManCmdCopyToPMHigh
 File: H_CRP_HIF_PHIG.xls
 Author: R. Biggins



Procedure Summary

Objectives

The objective of this procedure is to copy the OBSW located in the PM-low area to PM-high area of the ICU

Based on procedure:
 HifiManCmdCopyToPMHigh (v1)

Summary of Constraints

Valid for HIFI OBSW version 6.5.3 only

Spacecraft Configuration

Start of Procedure

End of Procedure

Reference File(s)

Input Command Sequences

Output Command Sequences
 HRHPHIG

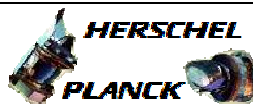
Referenced Displays

ANDs GRDs SLDs
 ZAZ9C999

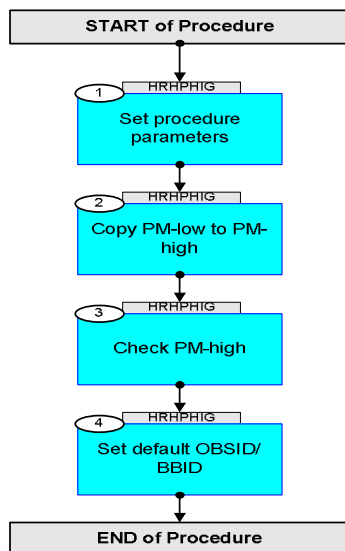
Configuration Control Information

DATE	FOP ISSUE	VERSION	MODIFICATION DESCRIPTION	AUTHOR	SPR REF
24/08/2010		1	Created	R. Biggins	
25/08/2010		2	Memory locations updated for software version 6.4.1	R. Biggins	
10/02/2011		3	Updated for ICU software version 6.5.2	R. Biggins	
13/04/2011	3.1	4	Updated for ICU software version 6.5.3	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 : HRHPHIG (PM-low to PM-high) TimeTag Type: N Sub Schedule ID: <input type="checkbox"/>				
1		Set procedure parameters		Next Step: 2
	ET=+ UT=+00.00.00	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	HIFI_Set_OBS_ID HC014289 1EF20001 <hex> OBS_ID	
		Verify Telemetry BB_ID_per_hk HM004190	= 1EF20001 <hex>	AND=ZAZ9C999
		Verify Telemetry OBS_ID_per_hk HM003190	OBS_ID	AND=ZAZ9C999
2		Copy PM-low to PM-high		Next Step: 3
	ET=+ UT=+00.00.00	HIFI_copy_mem_to_high Command Parameter(s) : OBS_destination HP447197 OBS_copy_length HP448197 TC Control Flags : GBM IL DSE --Y -- --- Subsch. ID : 70 Det. descr. : Copy OBS-image to high-part of the memory in order to patch it	HIFI_copy_mem_to_high HC170289 3FFFF <hex> (Def) 20000 <hex> (Def)	
3		Check PM-high		Next Step: 4

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Step No.	Time	Activity/Remarks	TC/TLM	Display/ Branch
	ET=+ UT=+00.00.10	HIFI_check_PM_memory HIFI_check_PM_memory Command Parameter(s) : HIF_check_start HP231197 HIF_check_end HP232197 HIF_check_crc HP233197 Subsch. ID : 70 Det. descr. : Compares checksum of specified PM memory with specified value	HC169289 455FF <hex> 58E1D <hex> 6260 <hex>	
		Verify that that no (1,8) has been generated		
4		Set default OBSID/BBID		Next Step: END
	ET=+ UT=+00.00.01	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 0 <hex> (Def) 0 <hex> (Def)	
		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				