

Simulate Peakup
 File: H_FCP_HIF_CSPK.xls
 Author: R. Biggins



Procedure Summary

Objectives

The objective of this procedure is to simulate the 'Peakup' process by sending the peakup micro-rotations to the ACMS

Summary of Constraints

Spacecraft Configuration

Start of Procedure

HIFI is in Intermediate, Standby I, Standby II or Primary mode

End of Procedure

No change in HIFI mode

Reference File(s)

Input Command Sequences

Output Command Sequences

HFHCSPK

Referenced Displays

ANDs GRDs SLDs
 ZAZ9C999

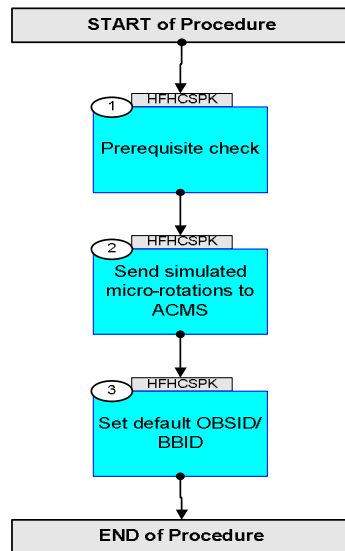
Configuration Control Information

DATE	FOP ISSUE	VERSION	MODIFICATION DESCRIPTION	AUTHOR	SPR REF
25/10/07		1	Created	R. Biggins	
14/11/07		1.01	Validation : Editorial update	R. Biggins	
14/01/08		2	Update due to initial testing against the simulator: - BBID/OBSID TM checks added - TCs updated due to new DB	R. Biggins	
29/02/08		3	Update due to testing against MOC Simulator: - Telecommand flags updated - Editorial updates - Update of microrotations for H-SVT-1	R. Biggins	
06/06/08	1	4	Updates due to SVT-1 testing: - Simulate peakup parameters changed to formal parameters - Flags updated	R. Biggins	
14/01/09	2	5	Update due to database changes - TC HC156289 parameters updated	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				
<p><i>TC Seq. Name :HFHCSPK (Simulate Peakup)</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: HIFI mode		□
		Verify Telemetry <div style="text-align: center;"> HL_MODE_S HM258194 </div>	= normal = standby	AND=ZAZ9C999
2		Send simulated micro-rotations to ACMS		Next Step: 3
	ET=+ UT=+00.00.01	HIFI_Set_OBS_ID <div style="text-align: center;"> HIFI_Set_OBS_ID </div> <i>Command Parameter(s) :</i> <div style="text-align: center;"> HIFI_BB_ID HP001197 HIFI_OBS_ID HP000197 </div> <i>SSID : 70</i>	HC014289 1E8E0001 <hex> OBS_ID	
		Verify Telemetry <div style="text-align: center;"> BB_ID_per_hk HM004190 </div>	= 1E8E0001 <hex>	AND=ZAZ9C999
		Verify Telemetry <div style="text-align: center;"> OBS_ID_per_hk HM003190 </div>	OBS_ID	AND=ZAZ9C999
	ET=+ UT=+00.00.00	HIFI_simulate_peakup <div style="text-align: center;"> HIFI_simulate_peakup </div> <i>Command Parameter(s) :</i> <div style="text-align: center;"> HI_microrot_y HP085197 HI_microrot_z HP086197 </div> <i>Subsch. ID : 70</i> <i>Det. descr. : Generate a HIFI_peakup_request with commanded parameters</i>	HC156289 MICRO_Y MICRO_Z	
3		Set default OBSID/BBID		Next Step: END

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Step No.	Time	Activity/Remarks	TC/TLM	Display/ Branch
	ET=+ UT=+00.00.01	HIFI_Set_OBS_ID HIFI_Set_OBS_ID <i>Command Parameter(s) :</i> HIFI_BB_ID HP001197 HIFI_OBS_ID HP000197 SSID : 70	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				