

PACS_Diaghk_Reset_OBS
 File: H_COP_PAC_X004.xls
 Author: R. Biggins



Procedure Summary

Objectives

The objective of this procedure is to disable the generation of the Diagnostic HK

Based on procedure:
 PACS_Diaghk_Reset_OBS_24_07_2008_01

Summary of Constraints

This procedure should be executed as part of the Short Functional Test (HeII conditions)

RT Science must be enabled to receive the Diagnostic HK packets

Spacecraft Configuration

Start of Procedure

PACS is in NO_PRIME mode
 - PACS is generating Diagnostic HK

End of Procedure

PACS is in NO_PRIME mode

Reference File(s)

Input Command Sequences

Output Command Sequences

HCPX004

Referenced Displays

ANDs **GRDs** **SLDs**
 ZAZ98999

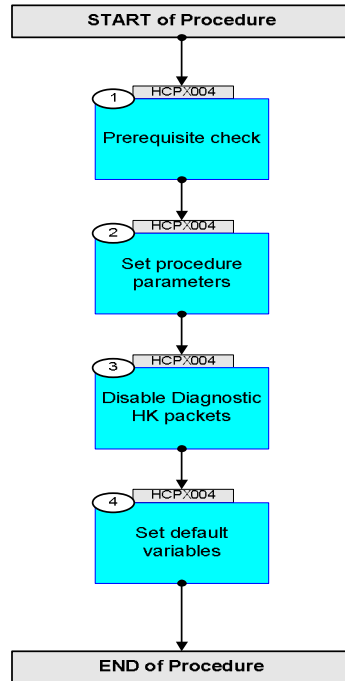
Configuration Control Information

DATE	FOP ISSUE	VERSION	MODIFICATION DESCRIPTION	AUTHOR	SPR REF
13/08/08		1	Created	R. Biggins	
22/10/08	2	2	Updates due to new import files (dated 24.07.2008)☐ - New step added at beginning to verify FP☐ - Initial OBSID value set to FP	R. Biggins	
02/04/09		3	Final updates before flight☐ - Summary updated☐ - TC flags updated	R. Biggins	
15/04/09	2.3	3.01	Validation : Editorial update	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 :HCPX004 (Disable Diag HK) TimeTag Type: B Sub Schedule ID: ☐				
1		Prerequisite check		Next Step: 2
1.1		HSC/ICC input		☐
		Verify that the HSC/ICC has supplied a valid OBSID value: OBS_ID = 0xn timer nnnn		
2		Set procedure parameters		Next Step: 3
	ET=+00.00.00 UT=+00.00.00	DMC_SET_OBSID Command Parameter(s) : OBSERVATION_ID PP069420 TC Control Flags : GBM IL DSE --Y -- --- Subsch. ID : 90 Det. descr. : SET OBSID IN DMC	DMC_SET_OBSID PC078420 OBSERVATION_ID PP069420 OBS_ID	
		Verify Telemetry DM_OBSID PM028420	OBS_ID	AND=ZAZ98999
3		Disable Diagnostic HK packets		Next Step: 4
	ET=+00.00.01 UT=+00.00.01	Execute Telecommand DMC_STOP_DIAG_HK TC Control Flags : GBM IL DSE --Y -- --- Subsch. ID : 90 Det. descr. : STOP THE ACQUISITION OF THE DIAGNOSTIC HK	DMC_STOP_DIAG_HK PC147420	
		NOTE: The verification of the end of generation of the TM(21,3) diagnostic packets [DIAGN_HK, APID 1158/1159] cannot be done on the MCS, but can be seen on the NCTRS (VC7)		

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Step No.	Time	Activity/Remarks	TC/TLM	Display/ Branch
4		Set default variables		Next Step: END
	ET=+00.00.01 UT=+00.00.01	DMC_SET_OBSID Command Parameter(s) : OBSERVATION_ID TC Control Flags : Subsch. ID : 90 Det. descr. : SET OBSID IN DMC	DMC_SET_OBSID PP069420 GBM IL DSE --Y -- --- PC078420 00000000 <hex>	
	ET=+00.00.00 UT=+00.00.00	DMC_SET_BBID Command Parameter(s) : BUILDING_BLOCK_ID Subsch. ID : 90 Det. descr. : SET BBID IN DMC	DMC_SET_BBID PP070420 40000000 <hex>	
		Verify Telemetry DM_OBSID	PM028420 = 00000000 <hex>	AND=ZAZ98999
		Verify Telemetry DM_BBID	PM029420 = 40000000 <hex>	AND=ZAZ98999
End of Procedure				