

PACS_Chopper_EnDis_Test_NoConf_ast1
 File: H_COP_PAC_C101.xls
 Author: R. Biggins



Procedure Summary

Objectives

The objective of this procedure is to verify the stability of the PACS chopper during a 1 second time period

Based on procedure:
 PACS_Chopper_EnDis_Test_NoConf_ast1 (v1)

Summary of Constraints

RT Science must be enabled to receive the Diagnostic HK packets

Spacecraft Configuration

Start of Procedure

PACS in NO_PRIME (SAFE) mode

End of Procedure

PACS in NO_PRIME (SAFE) mode

Reference File(s)

Input Command Sequences

Output Command Sequences

HCPC101

Referenced Displays

ANDs GRDs SLDs

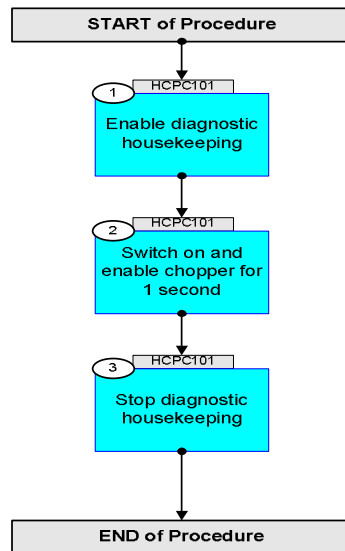
Configuration Control Information

DATE	FOP ISSUE	VERSION	MODIFICATION DESCRIPTION	AUTHOR	SPR REF
26/08/08	2	1	Created	R. Biggins	
20/04/09		1.01	Validation : Final updates before flight - Summary updated - TC flags updated	R. Biggins	
20/04/09	2.3	1.02	Validation : Editorial updates	R. Biggins	

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Procedure Flowchart Overview



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Step No.	Time	Activity/Remarks	TC/TLM	Display/ Branch
	ET=+00.00.10 UT=+00.00.10	DMC_ENABLE_CHOP_CONT DMC_ENABLE_CHOP_CONT Subsch. ID : 90 Det. descr. : ENABLE CHOPPER CONTROLLER	PC121420	
		After 1 second, disconnect chopper from amplifier and deactivate servo-loop		
	ET=+00.00.01 UT=+00.00.01	DMC_DISABLE_CHOP_CONT DMC_DISABLE_CHOP_CONT Subsch. ID : 90 Det. descr. : DISABLE CHOPPER CONTROLLER	PC122420	
	ET=+00.00.10 UT=+00.00.10	DMC_SWOF_CHOP_CONT DMC_SWOF_CHOP_CONT Subsch. ID : 90 Det. descr. : SWITCH OFF CHOPPER CONTROLLER	PC120420	
3		Stop diagnostic housekeeping		Next Step: END
	ET=+00.00.10 UT=+00.00.10	DMC_STOP_DIAG_HK DMC_STOP_DIAG_HK TC Control Flags : Subsch. ID : 90 Det. descr. : STOP THE ACQUISITION OF THE DIAGNOSTIC HK GBM IL DSE --Y -- ---	PC147420	
		NOTE: The verification of the end of generation of the TM(21,3) diagnostic packets cannot be done on the MCS, but can be seen on the NCTRS (VC7)		
		Offline analysis is required by the ICC to analyse the behaviour of the chopper during the time that the chopper controller is enabled		
End of Procedure				