



Procedure Summary

Objectives

The procedure is supposed to be run in the cases outlined in the Event Excel spreadsheet (in general when software behaviour is not as expected).

Summary of Constraints

According to the procedure we first try to restart the PM injecting a SW Alarm. If this does not work (because the SW does not process it) we switch OFF the in use PM leaving the RMs to react accordingly. This can lead to either a level 3 a or a level 3 b reconfiguration, so the PM in use at the end can be either the same or the other one.

Spacecraft Configuration

Start of Procedure

A problem on the current PM that is not being solved by on board autonomy $% \left[{{\left[{{{\rm{D}}_{\rm{T}}} \right]}_{\rm{T}}}} \right]$

End of Procedure

Either a reset of current PM or a switchover to other $\ensuremath{\mathsf{PM}}$

Reference File(s)

Input Command Sequences

Output Command Sequences

HRD1005A HRD1005C HRD1005D

Referenced Displays

ANDS GRDS SLDS ZAZAA999

Configuration Control Information

DATE	FOP ISSUE	VERSION	MODIFICATION DESCRIPTION	AUTHOR	SPR REF
21/04/09	2.3	1	Created	S. Manganelli	
03/05/09	2.4	2	Modified by use of PM OFF TC rather than PM RESET TC, added some comments	S. Manganelli	
13/07/09	2.5	3	Inserted comments about delay in TM reacquisition after reconfiguration	S. Manganelli	

Doc No. :PT-HMOC-OPS-FOP-6001-OPS-OAH Fop Issue : 3.0 Issue Date: 13/04/10







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CDMU PM Reboot File: H_CRP_DHS_1005.xls Author: S. Manganelli



Step No.	Time	Activity/Remarks	TC/TLM	Display/ Branch	AIT Comment						
		Beginning of Procedure									
	TC Seq. Name : HRD1005A (Inject SW Alarm)										
	HRD1005A										
		TimeTag Type: Sub Schedule ID:									
		Sub Schedule 15.									
		1	1	Next Step:							
1		Inject SW Alarm (expect TM loss)		2							
		Execute Telecommand		TC							
		FdirSwAlarm	DCN36170								
		Command Parameter(s) :									
		SWATATIMPAFAM DHISSI/0	FdirmanDeatDet								
		TC Control Flags : GBM IL DSE									
		Y									
		Det. descr. : FDIR Recovery: SW Alarm TC(8,4,116,42)									
		TM shall be unavailable until the end of the mode									
		transition autonomous sequence completion. Due to operations on the TT&C amplifier and RFDN switches									
		this shall take about three minutes.									
				Next Step:							
2		Dia PM redoot occur ?		No 3							
		type: [If]									
		End of Sequence									
	TC Seq. Name : HRD1005B (Dummy sequence)										
	HRD1005B										
		TimeTag Type: Sub Schedule ID:									
				Next Step:							
3		Active PM board is A ?		Yes 4 No 5							
		type: [If]									
		Verify Telemetry									
		ACLIVE_FM_BOARD DEDMIL60		LIND-74744333							
		End of Comunes									
		TC Seq. Name : HRD1005C (Reset PM A)									
	HRD1005C										
		TimeTag Type:									
		Sub Schedule 1D:									
				Next Stop:							
4		Switch PM A OFF		6							

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