

PCDU Management Status Report
 File: H_FCP_EPS_REPO.xls
 Author: E. Picallo



Procedure Summary

Objectives

This procedure describes the steps needed to acquire the status of the ASW function "PCDU Management" (0xFF for running idle or 0x00 for stopped).

Summary of Constraints

n/a

Spacecraft Configuration

Start of Procedure

CDMU in default configuration, that is:

- PM A or B ON (nominally A)
- TM Encoder/OBT A or B active (nominally A)
- RM A and B enabled
- MM A and B ON

End of Procedure

CDMU in default configuration, that is:

- PM A or B ON (nominally A)
- TM Encoder/OBT A or B active (nominally A)
- RM A and B enabled
- MM A and B ON

Reference File(s)

Input Command Sequences

Output Command Sequences

HFWREPO

Referenced Displays

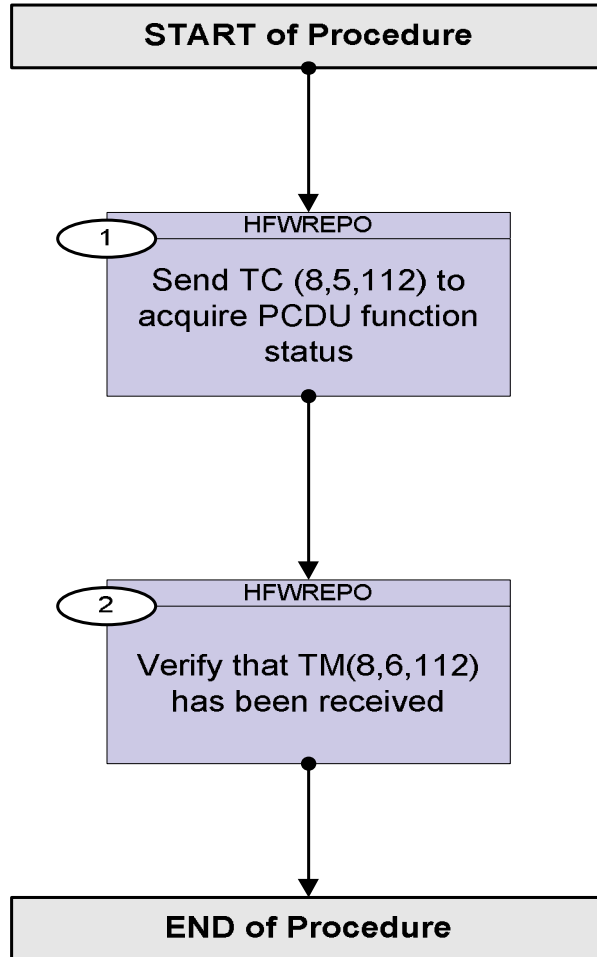
ANDs GRDs SLDs
 (None)

Configuration Control Information

DATE	FOP ISSUE	VERSION	MODIFICATION DESCRIPTION	AUTHOR	SPR REF
11/07/08	1	1	Created	E. Picallo	
21/10/08		2	CDMU ASW v3.6.2 and BSW v2.2 alignment	E. Picallo	
09/01/09	2	3	CDMU ASW V3.8 and BSW V2.4 alignment	E. Picallo	



Procedure Flowchart Overview



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Step No.	Time	Activity/Remarks	TC/TLM	Display/ Branch
Beginning of Procedure				
TC Seq. Name : HFWREPO (PCDU Function Report) PCDU Management Status Report TimeTag Type: N Sub Schedule ID: <input type="checkbox"/>				
1		Send TC (8,5,112) to acquire PCDU function status		Next Step: 2
		Report PCDU Management Status telecommand is used for requiring the status of the function as a telemetry packet. Default status of the function: "started".		
		Execute Telecommand <div style="text-align: right;">Report_PCDU_Man_Status</div> TC Control Flags : <div style="text-align: right;">GBM IL DSE --Y -- ---</div> Subsch. ID : 10 Det. descr. : Report PCDU Management Status TC(8,5,112)	DC05A170	
2		Verify that TM(8,6,112) has been received		Next Step: END
		Only one of the following two types of TM packets will be received - If the function is started:		
		Verify Packet Reception TM 8-6-112 PCDU Management Status Report Running-Idle 0xFF Packet Details: <div style="text-align: right;"> APID: 16 Type: 8 Subtype: 6 PI1: 28927 PI2: 0 </div>	PCDUStsRun	
		- If the function is stopped:		
		Verify Packet Reception TM 8-6-112 PCDU Management Status Report Stopped 0x00 Packet Details: <div style="text-align: right;"> APID: 16 Type: 8 Subtype: 6 PI1: 28672 PI2: 0 </div>	PCDUStsStop	
		Each TM packet contains the following parameters:		
		Verify Function ID Telemetry <div style="text-align: right;">Function_ID DE008170</div>	= PCDU_Manag	(None)

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Step No.	Time	Activity/Remarks	TC/TLM	Display/ Branch
		Verify Activity ID Telemetry PCDU_ActivityID DE009170		(None)
		Verify SID Telemetry SID DE010170	= 0 <dec>	(None)
End of Procedure				