

Report monitoring function
 File: H_FCP_DHS_3032.xls
 Author: S. Manganelli



Procedure Summary

Objectives

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

Moreover in the TM packet is also reported the Monitoring service status (enabled/disabled).

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

HFD3032

Referenced Displays

ANDs GRDs SLDs

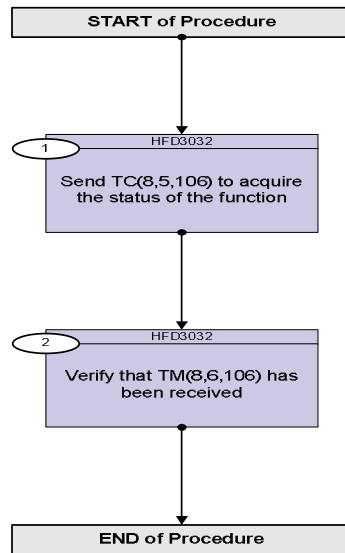
Configuration Control Information

DATE	FOP ISSUE	VERSION	MODIFICATION DESCRIPTION	AUTHOR	SPR REF
26/10/07		1	Created	cmevi-hp	
10/06/08	1	2	TC flags / Seq type modification	S. Manganelli	
01/12/08	2	3	Db check, check against TAS-F inputs for UM 3.1, no change	S. Manganelli	

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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 :HFD3032 (Report mon function)				
TimeTag Type: N Sub Schedule ID: □				
1		Send TC(8,5,106) to acquire the status of the function		Next Step: 2
		Report On Board Monitoring Status telecommand is used for requiring the status of the function as a telemetry packet. Default status of the function: "started".		
		Execute Telecommand ReportMonStatus TC Control Flags : Subsch. ID : 10 Det. descr. : Report On Board Monitoring Status, TC(8,5,106)	DC55F170	
2		Verify that TM(8,6,106) 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 8-6-106 On Board Monitoring Status Report - Running idle Packet Details: APID: 16 Type: 8 Subtype: 6 PI1: 27391 PI2: 0	OBSMonStsRun	
		Verify Packet Telemetry (Pkt = OBSMonStsRun) Function_ID DE008170 = Monitoring		AND=ZAZ3Q999
		Verify Packet Telemetry (Pkt = OBSMonStsRun) MonitStsActId DE067170 = RunningIdle		AND=ZAZ3Q999
		Verify Packet Telemetry (Pkt = OBSMonStsRun) SID DE010170 = 0 <dec>		(None)
		Verify Packet Telemetry (Pkt = OBSMonStsRun) MonServcStc DEX15170		(None)
		- If the function is stopped:		

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Step No.	Time	Activity/Remarks	TC/TLM	Display/ Branch										
		Verify Packet Reception TM 8-6-106 On Board Monitoring Status Report - Stopped Packet Details: <table style="margin-left: 20px;"> <tr><td>APID:</td><td>16</td></tr> <tr><td>Type:</td><td>8</td></tr> <tr><td>Subtype:</td><td>6</td></tr> <tr><td>PI1:</td><td>27136</td></tr> <tr><td>PI2:</td><td>0</td></tr> </table>	APID:	16	Type:	8	Subtype:	6	PI1:	27136	PI2:	0	OBMonStsStop	
APID:	16													
Type:	8													
Subtype:	6													
PI1:	27136													
PI2:	0													
		Verify Packet Telemetry (Pkt = OBMonStsStop) <table style="margin-left: 20px;"> <tr> <td>Function_ID</td> <td>DE008170</td> <td>=</td> <td>Monitoring</td> </tr> </table>	Function_ID	DE008170	=	Monitoring		AND=ZAZ3Q999						
Function_ID	DE008170	=	Monitoring											
		Verify Packet Telemetry (Pkt = OBMonStsStop) <table style="margin-left: 20px;"> <tr> <td>MonitStsActId</td> <td>DE067170</td> <td>=</td> <td>Stopped</td> </tr> </table>	MonitStsActId	DE067170	=	Stopped		AND=ZAZ3Q999						
MonitStsActId	DE067170	=	Stopped											
		Verify Packet Telemetry (Pkt = OBMonStsStop) <table style="margin-left: 20px;"> <tr> <td>SID</td> <td>DE010170</td> <td>=</td> <td>0 <dec></td> </tr> </table>	SID	DE010170	=	0 <dec>		(None)						
SID	DE010170	=	0 <dec>											
		Verify Packet Telemetry (Pkt = OBMonStsStop) <table style="margin-left: 20px;"> <tr> <td>MonServcStc</td> <td>DEX15170</td> <td>=</td> <td></td> </tr> </table>	MonServcStc	DEX15170	=			(None)						
MonServcStc	DEX15170	=												
End of Procedure														