

S/C self transition to Survival
 File: H_CRP_DHS_3068.xls
 Author: cmevi-hp



Procedure Summary

Objectives

This procedure describes the steps needed to perform the S/C self transition to Survival mode.

Summary of Constraints

The S/C mode is changed through ASW TCs(8,4,110,1/2) thus the status of the ASW function "Mode Management" has to be "running".

Spacecraft Configuration

Start of Procedure

n/a

End of Procedure

n/a

Reference File(s)

Input Command Sequences

Output Command Sequences

HRD3068

Referenced Displays

ANDs GRDs SLDs
 ZAZAI999

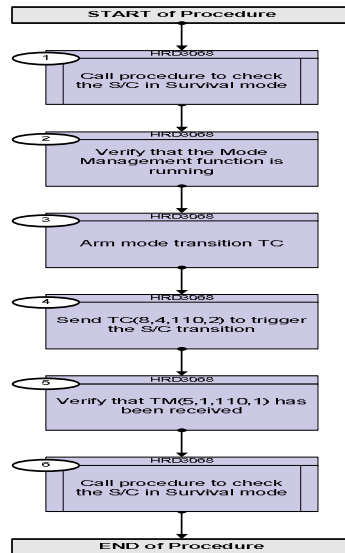
Configuration Control Information

DATE	FOP ISSUE	VERSION	MODIFICATION DESCRIPTION	AUTHOR	SPR REF
12/11/08	2	1	Created	cmevi-hp	

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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 :HRD3068 (S/C self tra to Surv)				
TimeTag Type: N Sub Schedule ID: □				
1		Call procedure to check the S/C in Survival mode		Next Step: 2
		Execute procedure H_CRP_DHS_3044.		
2		Verify that the Mode Management function is running		Next Step: 3
		Verify Telemetry ModeSts DEH21170	= Running	AND=ZAZAI999
3		Arm mode transition TC		Next Step: 4
		Execute Telecommand ModeManArmTrans_Surv TC Control Flags : Subsch. ID : 10 Det. descr. : Mode Manag. Arm Transition to Survival Mode TC(8,4,110,1) GBM IL DSE --Y -- --	DC05G170	
4		Send TC(8,4,110,2) to trigger the S/C transition		Next Step: 5
		Execute Telecommand ModeManFireTrans_Surv TC Control Flags : Subsch. ID : 10 Det. descr. : Mode Manag. Fire Transition to Survival Mode TC(8,4,110,2) GBM IL DSE --Y -- --	DC10G170	
5		Verify that TM(5,1,110,1) has been received		Next Step: 6
		WARNING: downlink of TM(5,1) is disable by default, thus the following packet can be acquired only if it previously enabled.		
		This event will be sent when the new S/C mode has been reached.		

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Step No.	Time	Activity/Remarks	TC/TLM	Display/ Branch
		Verify Packet Reception CdmuAsw Event 5-1 New Mode Reached Packet Details: APID: 16 Type: 5 Subtype: 1 PI1: 28161 PI2: 0	D_EvRp_080	
		Verify Packet Telemetry (Pkt = D_EvRp_080) TM5xEventID DEZSJ170	= NewModeReached	(None)
		Verify Packet Telemetry (Pkt = D_EvRp_080) SID DE010170	= 0 <dec>	(None)
		Verify Packet Telemetry (Pkt = D_EvRp_080) ModeId DE142170	= Survival	(None)
		Verify Packet Telemetry (Pkt = D_EvRp_080) EventSeqCounter DE069170		(None)
6		Call procedure to check the S/C in Survival mode		Next Step: END
		Execute procedure H_CRP_DHS_3044.		
End of Procedure				