

Get ACC Boot Report
 File: H_CRP_AOC_2BRT.xls
 Author: dsalt-hp



Procedure Summary

Objectives

The objective of this Herschel ACMS contingency procedure is to get the ACC Boot Report (SPID=240013990) using a dedicated Diagnostic TM packet (DTM).

The procedure involves the following activities:

- define and enable the DTM packet (HKID=120)
- disable the DTM packet
- clear the DTM packet, if necessary

Summary of Constraints

ACC PM operational after a reset or reconfiguration

Spacecraft Configuration

Start of Procedure

N/A

End of Procedure

N/A

Reference File(s)

Input Command Sequences

Output Command Sequences

HRA2BRTA
 HRA2BRTE
 HRA2BRTE

Referenced Displays

ANDs GRDs SLDs

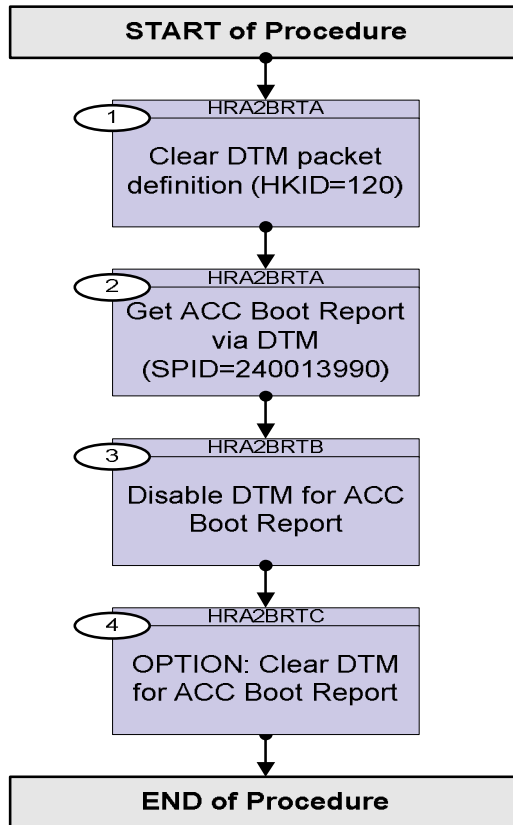
Configuration Control Information

DATE	FOP ISSUE	VERSION	MODIFICATION DESCRIPTION	AUTHOR	SPR REF
03/03/09	2.1	1	Created	dsalt-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 : HRA2BRTA (GetAccBootReport) TimeTag Type: N Sub Schedule ID: <input type="checkbox"/>				
1		Clear DTM packet definition (HKID=120)		Next Step: 2
		Execute Telecommand <p style="text-align: center;">Clear Diagnostic Report</p> Command Parameter(s) : Number of pkts AH3NP109 HK Packet ID AH3PK109 TC Control Flags : <p style="text-align: right;">GBM IL DSE --Y -- ---</p> Subsch. ID : 20 Det. descr. : TC(3,4) Clear Diagnostic Parameter Report Definitions	AC034109 1 <dec> (Def) 120 <dec>	
2		Get ACC Boot Report via DTM (SPID=240013990)		Next Step: 3
2.1		Uplink DTM with ACC Boot Report		<input type="checkbox"/>
		Execute Telecommand <p style="text-align: center;">ACC Boot Report</p> Command Parameter(s) : HK Packet ID XH313990 SID XH307990 Interval XH314990 DID number XH306990 TC Control Flags : <p style="text-align: right;">GBM IL DSE --Y -- ---</p> Subsch. ID : 30 Det. descr. :	XC081990 120 <dec> 30053 <dec> (Def) 4 <dec> (Def) 25239 <dec> (Def)	

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Step No.	Time	Activity/Remarks	TC/TLM	Display/ Branch
		Execute Telecommand <p style="text-align: right;">Report Diag Report Def</p> Command Parameter(s) : Number of pkts AH3NP109 HK Packet ID AH3PK109 TC Control Flags : GBM IL DSE --Y -- --- Subsch. ID : 20 Det. descr. : TC(3,11) Report Diagnostic Parameter Report Definitions	AC311109 1 <dec> (Def) 120 <dec>	
2.2		Enable DTM for ACC Boot Report		□
		Execute Telecommand <p style="text-align: right;">EnableTmGen</p> Command Parameter(s) : N AH017070 Sub-Type AH019070 Packet-ID AH020070 TC Control Flags : GBM IL DSE --Y -- --- Subsch. ID : 20 Det. descr. : Enable Generation of Telemetry Packets	AC900070 1 <dec> (Def) Diag Report 120 <dec>	
		Verify Packet Reception <p style="text-align: right;">ACC Boot Report</p> Packet Details: APID: 514 Type: 3 Subtype: 26 PI1: 30053 PI2:	ACCBotRep	
		NOTE: The contents of diagnostic packet ACCBootReport {DTM with Herschel ACC Boot Report} are spread over a group of 3 monitoring displays: ZAZ57999 ACCBootRep 1 ZAZ58999 ACCBootRep 2 ZAZ59999 ACCBootRep 3		
TC Seq. Name :HRA2BRTB (DiasbleAccBootReport)				
TimeTag Type: N Sub Schedule ID: □				

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Step No.	Time	Activity/Remarks	TC/TLM	Display/ Branch
3		Disable DTM for ACC Boot Report		Next Step: 4
		Execute Telecommand <p style="text-align: right;">DisableTmGen</p> Command Parameter(s) : N AH017070 1 <dec> (Def) Sub-Type AH019070 Diag Report Packet-ID AH020070 120 <dec> TC Control Flags : GBM IL DSE --Y -- --- Subsch. ID : 20 Det. descr. : Disable Generation of Telemetry Packets	AC902070	
TC Seq. Name : HRA2BRTC (ClearAccBootReport) TimeTag Type: N Sub Schedule ID: <input type="checkbox"/>				
4		OPTION: Clear DTM for ACC Boot Report		Next Step: END
		Execute Telecommand <p style="text-align: right;">Clear Diagnostic Report</p> Command Parameter(s) : Number of pkts AH3NP109 1 <dec> (Def) HK Packet ID AH3PK109 120 <dec> TC Control Flags : GBM IL DSE --Y -- --- Subsch. ID : 20 Det. descr. : TC(3,4) Clear Diagnostic Parameter Report Definitions	AC034109	
End of Procedure				