

Acquisition of TM data (launch pad listen-in)
 File: H_FCP_DHS_STRT.xls
 Author: S. Manganelli



Procedure Summary

Objectives

To acquire the pre-launch configuration for all platform subsystems.

Summary of Constraints

All TCs in this procedures are supposed to be issued by AIV on the launch pad, with ESOC listening in.

The CDMU packet selection at step 2 and the ACC packet definition and selection at step 16 may cause command failures if the existing configuration on the launch pad conflicts with the commanding activity (for example, no more than 16 HK/DIAG packets can be selected).

The time needed for the last sequences (dump of CELs, dump of SEL, deletion of CELs) depends of course on the amount of TM data to be dumped.

Spacecraft Configuration

Start of Procedure

Launch Pad configuration

End of Procedure

15 HK ID are ENABLED by this procedure : 0, 8, 64, 65, 66, 67, 96, 97, 98, 99, 106, 105, 102, 104, 100

4 HK ID are DISABLED by this procedure : 68,71,101,103

Reference File(s)

Input Command Sequences

Output Command Sequences

HFDSTRT
 HFDSTRTB
 HFDSTRTC

Referenced Displays

ANDs	GRDs	SLDs
ZAZ28999		(None)
ZAZ7R999		
ZAD07999		

Configuration Control Information

DATE	FOP ISSUE	VERSION	MODIFICATION DESCRIPTION	AUTHOR	SPR REF
15/07/08	1	1	Created	S. Manganelli	

Status : Version 9 - Unchanged
 Last Checkin: 19/03/09

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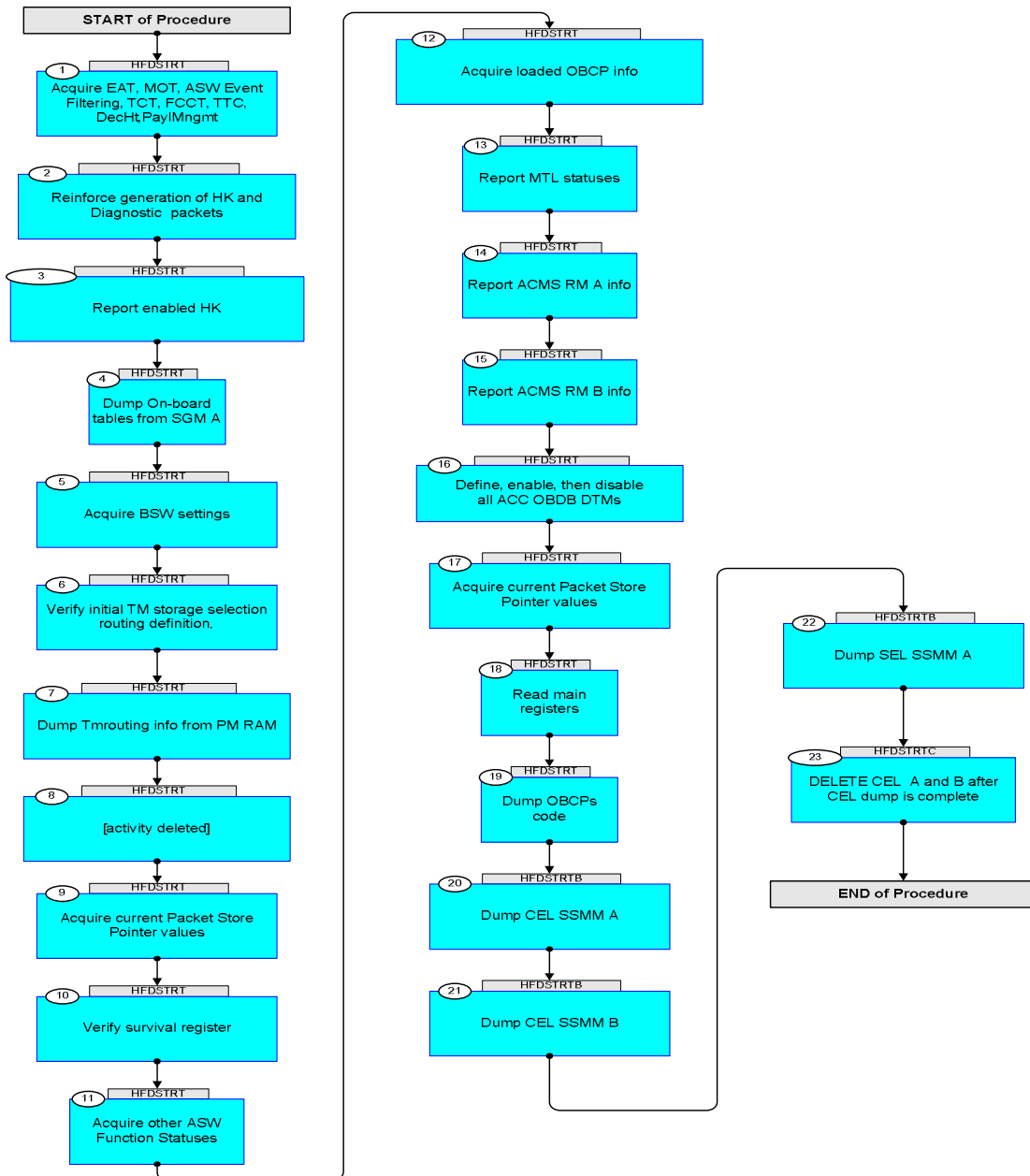


11/09/08		2	Updated due to OBSW 3.6 changes.	cmevi-hp	
28/10/08		3	Commands to disable and then re-enable RMs removed because not necessary.	cmevi-hp	
12/11/08		4	Restructured: single sequence, no branches, no MTL dump, no single OBCP status report, most diagnostics enabled, dump of SEL, brought forward dump of EAT and MOT, added timed release	S. Manganelli	
11/12/08	2	5	Removed manual dispatch, improved uplink timing Added definition of SPIRE LL HK Disable gen of CCU MON 1 , enable gen of CCU MON 2	S. Manganelli	
18/02/09		6	Largely restructured. Added ACC OBDB TM, modified timings, added SEL and CEL dump, CEL deletion.	S. Manganelli	
27/02/09		7	The following has been added: - 2nd set of Packet Store Cat Reports - Dump of On-board Tables from SGMA - Read of main registers - Dump of OBCPs code	cmevi-hp	
05/03/09	2.1	8	Reading of CPU System Registers added.	cmevi-hp	
19/03/09	2.2	9	Step 1: added report payload management Step 3: modified Step 7: TMRoutelInfo now obtained from PM RAM and not from SSMM Step 8: content deleted Step 18 : added start TTR management Step 18.5: aded stop TTR management	S. Manganelli	

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Procedure Flowchart Overview

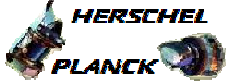



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Step No.	Time	Activity/Remarks	TC/TLM	Display/ Branch	AIT Comment
Beginning of Procedure					
HFDSTRT TC Seq. Name : HFDSTRT (prelaunch data acq) TimeTag Type: N Sub Schedule ID: □					
1		Acquire EAT, MOT, ASW Event Filtering, TCT, FCCT, TTC, DecHt, PaylMngmt		Next Step: 2	
		Execute Telecommand ReptEvtActTable TC Control Flags : GBM IL DSE --Y -- Subsch. ID : 10 Det. descr. : TEMPLATE Report The contents of the event/action table TC(19,6)	DCT86170	TC	
	ET+= UT+=00.01.15	Execute Telecommand ReportMonitList TC Control Flags : GBM IL DSE --- -- Subsch. ID : 10 Det. descr. : TEMPLATE Report current monitoring list, TC(12,8) no appl. data	DC51F170	TC	
	ET+= UT+=00.00.15	Execute Telecommand EvFiltDumpStat_Templ TC Control Flags : GBM IL DSE --- -- Subsch. ID : 10 Det. descr. : TEMPLATE Dump Event Filtering Statistics TC(8,4,117,2)	DCT52170	TC	
	ET+= UT+=00.00.05	Execute Telecommand ReportFdirManagSts TC Control Flags : GBM IL DSE --- -- Subsch. ID : 10 Det. descr. : Report Fdir Management Status, TC(8,5,116)	DCN02170	TC	
	ET+= UT+=00.00.05	Execute Telecommand ReportThCtrlManagSts TC Control Flags : GBM IL DSE --- -- Subsch. ID : 10 Det. descr. : Report Thermal Control Management Status, TC(8,5,114)	DCN11170	TC	
	ET+= UT+=00.00.30	Execute Telecommand TtcReportStatus TC Control Flags : GBM IL DSE --- -- Subsch. ID : 10 Det. descr. : TTC: Report TTC Management Status TC(8,5,115)	DC30F170	TC	

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Step No.	Time	Activity/Remarks	TC/TLM	Display/ Branch	AIT Comment
	ET=+ UT=+00.00.05	Execute Telecommand ReportDecontHeatSts TC Control Flags : Subsch. ID : 10 Det. descr. : Report Decontamination Heating Status TC(8,5,113) GBM IL DSE --- -- ---	DC15M170	TC	
	ET=+ UT=+00.00.10	Execute Telecommand ReportPayloadManagSts Subsch. ID : 10 Det. descr. : Report Payload Management Status TC(8,5,111)	DC12M170	TC	
2		Reinforce generation of HK and Diagnostic packets		Next Step: 3	
2.1		Report enabled HK			
	ET=+ UT=+00.00.10	Execute Telecommand ReportEnabledTm Subsch. ID : 10 Det. descr. : Report Enabled Telemetry Packets	DC904180	TC	
2.2		Enable essential packets HKID 0 HR and 8 LR			
	ET=+ UT=+00.00.10	Execute Telecommand EnableTmGen Command Parameter(s) : N DH017180 Sub-Type DH019180 Packet-ID DH020180 TC Control Flags : Subsch. ID : 10 Det. descr. : Enable Generation of Telemetry Packets GBM IL DSE --- -- ---	DC900180	TC	
	ET=+ UT=+00.00.05	Execute Telecommand EnableTmGen Command Parameter(s) : N DH017180 Sub-Type DH019180 Packet-ID DH020180 TC Control Flags : Subsch. ID : 10 Det. descr. : Enable Generation of Telemetry Packets GBM IL DSE --- -- ---	DC900180	TC	
2.3		Disable HK ID 68 and 71 (CCU A/B Mon 1 low freq)			

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Step No.	Time	Activity/Remarks	TC/TLM	Display/ Branch	AIT Comment
	ET=+ UT=+00.00.05	Execute Telecommand DisableTmGen Command Parameter(s) : N DH017180 Sub-Type DH019180 Packet-ID DH020180 TC Control Flags : GBM IL DSE --- -- --- Subsch. ID : 10 Det. descr. : Disable Generation of Telemetry Packets	DC902180	TC	
	ET=+ UT=+00.00.05	Execute Telecommand DisableTmGen Command Parameter(s) : N DH017180 Sub-Type DH019180 Packet-ID DH020180 TC Control Flags : GBM IL DSE --- -- --- Subsch. ID : 10 Det. descr. : Disable Generation of Telemetry Packets	DC902180	TC	
2.4		Disable HK ID 101, 103 (DLCM data CCU A, CCU B)			
	ET=+ UT=+00.00.05	Execute Telecommand DisableTmGen Command Parameter(s) : N DH017180 Sub-Type DH019180 Packet-ID DH020180 TC Control Flags : GBM IL DSE --- -- --- Subsch. ID : 10 Det. descr. : Disable Generation of Telemetry Packets	DC902180	TC	
	ET=+ UT=+00.00.05	Execute Telecommand DisableTmGen Command Parameter(s) : N DH017180 Sub-Type DH019180 Packet-ID DH020180 TC Control Flags : GBM IL DSE --- -- --- Subsch. ID : 10 Det. descr. : Disable Generation of Telemetry Packets	DC902180	TC	

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Step No.	Time	Activity/Remarks	TC/TLM	Display/ Branch	AIT Comment
2.5		Enable periodic packets HK ID 64 P1, 65 P4, 66 P64, 67 P128, 102 CCUA Mon 2 104 CCUB Mon 2			
	ET+= UT+=00.00.05	Execute Telecommand <div style="text-align: right; margin-right: 20px;">EnableTmGen</div> Command Parameter(s) : <div style="margin-left: 40px;"> N DH017180 Sub-Type DH019180 Packet-ID DH020180 </div> TC Control Flags : <div style="margin-left: 40px;"> GBM IL DSE --- -- --- </div> Subsch. ID : 10 Det. descr. : Enable Generation of Telemetry Packets	DC900180	TC	
	ET+= UT+=00.00.05	Execute Telecommand <div style="text-align: right; margin-right: 20px;">EnableTmGen</div> Command Parameter(s) : <div style="margin-left: 40px;"> N DH017180 Sub-Type DH019180 Packet-ID DH020180 </div> TC Control Flags : <div style="margin-left: 40px;"> GBM IL DSE --- -- --- </div> Subsch. ID : 10 Det. descr. : Enable Generation of Telemetry Packets	DC900180	TC	
	ET+= UT+=00.00.05	Execute Telecommand <div style="text-align: right; margin-right: 20px;">EnableTmGen</div> Command Parameter(s) : <div style="margin-left: 40px;"> N DH017180 Sub-Type DH019180 Packet-ID DH020180 </div> TC Control Flags : <div style="margin-left: 40px;"> GBM IL DSE --- -- --- </div> Subsch. ID : 10 Det. descr. : Enable Generation of Telemetry Packets	DC900180	TC	
	ET+= UT+=00.00.05	Execute Telecommand <div style="text-align: right; margin-right: 20px;">EnableTmGen</div> Command Parameter(s) : <div style="margin-left: 40px;"> N DH017180 Sub-Type DH019180 Packet-ID DH020180 </div> TC Control Flags : <div style="margin-left: 40px;"> GBM IL DSE --- -- --- </div> Subsch. ID : 10 Det. descr. : Enable Generation of Telemetry Packets	DC900180	TC	

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Step No.	Time	Activity/Remarks	TC/TLM	Display/ Branch	AIT Comment
	ET=+ UT=+00.00.05	Execute Telecommand EnableTmGen Command Parameter(s) : N DH017180 Sub-Type DH019180 Packet-ID DH020180 TC Control Flags : GBM IL DSE --- -- --- Subsch. ID : 10 Det. descr. : Enable Generation of Telemetry Packets	DC900180	TC	
	ET=+ UT=+00.00.05	Execute Telecommand EnableTmGen Command Parameter(s) : N DH017180 Sub-Type DH019180 Packet-ID DH020180 TC Control Flags : GBM IL DSE --- -- --- Subsch. ID : 10 Det. descr. : Enable Generation of Telemetry Packets	DC900180	TC	
2.6		Enable diagnostic BSW1 HKID 96			
	ET=+ UT=+00.00.05	Execute Telecommand EnableTmGen Command Parameter(s) : N DH017180 Sub-Type DH019180 Packet-ID DH020180 TC Control Flags : GBM IL DSE --- -- --- Subsch. ID : 10 Det. descr. : Enable Generation of Telemetry Packets	DC900180	TC	
2.7		Enable diagnostic BSW2 HKID 97			
	ET=+ UT=+00.00.05	Execute Telecommand EnableTmGen Command Parameter(s) : N DH017180 Sub-Type DH019180 Packet-ID DH020180 TC Control Flags : GBM IL DSE --- -- --- Subsch. ID : 10 Det. descr. : Enable Generation of Telemetry Packets	DC900180	TC	
2.8		Enable diagnostic BSW3 HKID 98			

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Step No.	Time	Activity/Remarks	TC/TLM	Display/ Branch	AIT Comment
	ET+= UT+=00.00.05	Execute Telecommand EnableTmGen <i>Command Parameter(s) :</i> N DH017180 Sub-Type DH019180 Packet-ID DH020180 <i>TC Control Flags :</i> GBM IL DSE --- -- --- <i>Subsch. ID : 10</i> Det. descr. : Enable Generation of Telemetry Packets	DC900180	TC	
2.9		Enable diagnostic BSW4 HKID 105			
	ET+= UT+=00.00.05	Execute Telecommand EnableTmGen <i>Command Parameter(s) :</i> N DH017180 Sub-Type DH019180 Packet-ID DH020180 <i>TC Control Flags :</i> GBM IL DSE --- -- --- <i>Subsch. ID : 10</i> Det. descr. : Enable Generation of Telemetry Packets	DC900180	TC	
2.10		Enable diagnostic ASW 1 HKID 99			
	ET+= UT+=00.00.05	Execute Telecommand EnableTmGen <i>Command Parameter(s) :</i> N DH017180 Sub-Type DH019180 Packet-ID DH020180 <i>TC Control Flags :</i> GBM IL DSE --- -- --- <i>Subsch. ID : 10</i> Det. descr. : Enable Generation of Telemetry Packets	DC900180	TC	
2.11		Enable diagnostic ASW 2 HKID 106			
	ET+= UT+=00.00.05	Execute Telecommand EnableTmGen <i>Command Parameter(s) :</i> N DH017180 Sub-Type DH019180 Packet-ID DH020180 <i>TC Control Flags :</i> GBM IL DSE --- -- --- <i>Subsch. ID : 10</i> Det. descr. : Enable Generation of Telemetry Packets	DC900180	TC	

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Step No.	Time	Activity/Remarks	TC/TLM	Display/ Branch	AIT Comment
2.12		Enable diagnostic TCS HKID 100			
	ET+= UT+=00.00.05	Execute Telecommand EnableTmGen <i>Command Parameter(s) :</i> N DH017180 Sub-Type DH019180 Packet-ID DH020180 <i>TC Control Flags :</i> GBM IL DSE --- -- --- <i>Subsch. ID : 10</i> Det. descr. : Enable Generation of Telemetry Packets	DC900180	TC	
3		Report enabled HK		Next Step: 4	
	ET+= UT+=00.00.10	Execute Telecommand ReportEnabledTm <i>Subsch. ID : 10</i> Det. descr. : Report Enabled Telemetry Packets	DC904180	TC	
3.1		[activity deleted]			
3.2		[activity deleted]			
4		Dump On-board tables from SGM A		Next Step: 5	
4.1		Dump EAT TC Pool			
	ET+= UT+=00.00.45	Execute Telecommand DumpMem_AbsAddr <i>Command Parameter(s) :</i> Memory_ID DH003180 Start_Address DH004180 N DH105180 <i>Subsch. ID : 10</i> Det. descr. : Dump Memory Using Absolute Addresses	DC602180	TC	

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Step No.	Time	Activity/Remarks	TC/TLM	Display/ Branch	AIT Comment
	ET=+ UT=+00.00.30	Execute Telecommand DumpMem_AbsAddr Command Parameter(s) : Memory_ID DH003180 Start_Address DH004180 N DH105180 Subsch. ID : 10 Det. descr. : Dump Memory Using Absolute Addresses	DC602180	TC	
4.2		Dump EAT entries			
	ET=+ UT=+00.00.30	Execute Telecommand DumpMem_AbsAddr Command Parameter(s) : Memory_ID DH003180 Start_Address DH004180 N DH105180 Subsch. ID : 10 Det. descr. : Dump Memory Using Absolute Addresses	DC602180	TC	
4.3		Dump MOT			
	ET=+ UT=+00.00.30	Execute Telecommand DumpMem_AbsAddr Command Parameter(s) : Memory_ID DH003180 Start_Address DH004180 N DH105180 Subsch. ID : 10 Det. descr. : Dump Memory Using Absolute Addresses	DC602180	TC	
4.4		Dump TCT			
	ET=+ UT=+00.00.30	Execute Telecommand DumpMem_AbsAddr Command Parameter(s) : Memory_ID DH003180 Start_Address DH004180 N DH105180 Subsch. ID : 10 Det. descr. : Dump Memory Using Absolute Addresses	DC602180	TC	
4.5		Dump FCCT			

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Step No.	Time	Activity/Remarks	TC/TLM	Display/ Branch	AIT Comment
	ET=+ UT=+00.00.30	Execute Telecommand DumpMem_AbsAddr Command Parameter(s) : Memory_ID DH003180 Start_Address DH004180 N DH105180 Subsch. ID : 10 Det. descr. : Dump Memory Using Absolute Addresses	DC602180	TC	
4.6		Dump DCT			
	ET=+ UT=+00.00.30	Execute Telecommand DumpMem_AbsAddr Command Parameter(s) : Memory_ID DH003180 Start_Address DH004180 N DH105180 Subsch. ID : 10 Det. descr. : Dump Memory Using Absolute Addresses	DC602180	TC	
5		Acquire BSW settings		Next Step: 6	
	ET=+ UT=+00.00.45	Execute Telecommand ReportPktStrAlloc TC Control Flags : GBM IL DSE --- -- Subsch. ID : 10 Det. descr. : Report Packet Store Allocation	DC809160	TC	
	ET=+ UT=+00.00.05	Execute Telecommand RepDownlinkTMStorage TC Control Flags : GBM IL DSE --- -- Subsch. ID : 10 Det. descr. : Report Telemetry Packets Down-linking/ Storage Status	DC141160	TC	
	ET=+ UT=+00.00.05	Execute Telecommand ReportEnabledTm TC Control Flags : GBM IL DSE --- -- Subsch. ID : 10 Det. descr. : Report Enabled Telemetry Packets	DC904180	TC	
	ET=+ UT=+00.00.05	Execute Telecommand ReportTcRoutingFilter TC Control Flags : GBM IL DSE --- -- Subsch. ID : 10 Det. descr. : Report TC Routing Filter	DC807180	TC	

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Step No.	Time	Activity/Remarks	TC/TLM	Display/ Branch	AIT Comment
6		Verify initial TM storage selection routing definition.		Next Step: 7	
	ET=+ UT=+00.00.05	Execute Telecommand ReportStorageSelDef Command Parameter(s) : Store_Id DH003160 TC Control Flags : GBM IL DSE --- -- --- Subsch. ID : 10 Det. descr. : Report Storage Selection Definition	DC160160 0 <dec>	TC	
	ET=+ UT=+00.00.05	Execute Telecommand ReportStorageSelDef Command Parameter(s) : Store_Id DH003160 TC Control Flags : GBM IL DSE --- -- --- Subsch. ID : 10 Det. descr. : Report Storage Selection Definition	DC160160 1 <dec>	TC	
	ET=+ UT=+00.00.05	Execute Telecommand ReportStorageSelDef Command Parameter(s) : Store_Id DH003160 TC Control Flags : GBM IL DSE --- -- --- Subsch. ID : 10 Det. descr. : Report Storage Selection Definition	DC160160 2 <dec>	TC	
	ET=+ UT=+00.00.05	Execute Telecommand ReportStorageSelDef Command Parameter(s) : Store_Id DH003160 TC Control Flags : GBM IL DSE --- -- --- Subsch. ID : 10 Det. descr. : Report Storage Selection Definition	DC160160 3 <dec>	TC	
	ET=+ UT=+00.00.05	Execute Telecommand ReportStorageSelDef Command Parameter(s) : Store_Id DH003160 TC Control Flags : GBM IL DSE --- -- --- Subsch. ID : 10 Det. descr. : Report Storage Selection Definition	DC160160 128 <dec>	TC	

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	ET=+ UT=+00.00.05	Execute Telecommand ReportStorageSelDef Command Parameter(s) : Store_Id DH003160 TC Control Flags : GBM IL DSE ---- Subsch. ID : 10 Det. descr. : Report Storage Selection Definition	DC160160 129 <dec>	TC	
	ET=+ UT=+00.00.05	Execute Telecommand ReportStorageSelDef Command Parameter(s) : Store_Id DH003160 TC Control Flags : GBM IL DSE ---- Subsch. ID : 10 Det. descr. : Report Storage Selection Definition	DC160160 130 <dec>	TC	
	ET=+ UT=+00.00.05	Execute Telecommand ReportStorageSelDef Command Parameter(s) : Store_Id DH003160 TC Control Flags : GBM IL DSE ---- Subsch. ID : 10 Det. descr. : Report Storage Selection Definition	DC160160 131 <dec>	TC	
7		Dump Tmrouting info from PM RAM		Next Step: 8	
	ET=+ UT=+00.00.10	Execute Telecommand DumpMem_AbsAddr Command Parameter(s) : Memory_ID DH003180 Start_Address DH004180 N DH105180 Subsch. ID : 10 Det. descr. : Dump Memory Using Absolute Addresses	DC602180 228 <hex> 80A8 <hex> 2000 <hex>	TC	
8		[activity deleted]		Next Step: 9	
9		Acquire current Packet Store Pointer values		Next Step: 10	
9.1		Send TC (15,12) to report catalogues for selected packet store			

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Step No.	Time	Activity/Remarks	TC/TLM	Display/ Branch	AIT Comment
		When this request is received by the CDMS, the catalogues for the specified Packet Stores are reported with TM(15,13).			
	ET=+ UT=+00.00.15	Execute Telecommand ReportCatSelPktStore Command Parameter(s) : Store_Id DH003160 TC Control Flags : GBM IL DSE --- -- --- Subsch. ID : 10 Det. descr. : Report Catalogues for Selected Packet Store	DC169160 0 <dec>	TC	
	ET=+ UT=+00.00.15	Execute Telecommand ReportCatSelPktStore Command Parameter(s) : Store_Id DH003160 TC Control Flags : GBM IL DSE --- -- --- Subsch. ID : 10 Det. descr. : Report Catalogues for Selected Packet Store	DC169160 1 <dec>	TC	
	ET=+ UT=+00.00.15	Execute Telecommand ReportCatSelPktStore Command Parameter(s) : Store_Id DH003160 TC Control Flags : GBM IL DSE --- -- --- Subsch. ID : 10 Det. descr. : Report Catalogues for Selected Packet Store	DC169160 2 <dec>	TC	
	ET=+ UT=+00.00.15	Execute Telecommand ReportCatSelPktStore Command Parameter(s) : Store_Id DH003160 TC Control Flags : GBM IL DSE --- -- --- Subsch. ID : 10 Det. descr. : Report Catalogues for Selected Packet Store	DC169160 3 <dec>	TC	
	ET=+ UT=+00.00.05	Execute Telecommand ReportCatSelPktStore Command Parameter(s) : Store_Id DH003160 TC Control Flags : GBM IL DSE --- -- --- Subsch. ID : 10 Det. descr. : Report Catalogues for Selected Packet Store	DC169160 127 <dec>	TC	

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Step No.	Time	Activity/Remarks	TC/TLM	Display/ Branch	AIT Comment
	ET=+ UT=+00.00.15	Execute Telecommand ReportCatSelPktStore Command Parameter(s) : Store_Id DH003160 TC Control Flags : GBM IL DSE --- -- --- Subsch. ID : 10 Det. descr. : Report Catalogues for Selected Packet Store	DC169160 128 <dec>	TC	
	ET=+ UT=+00.00.15	Execute Telecommand ReportCatSelPktStore Command Parameter(s) : Store_Id DH003160 TC Control Flags : GBM IL DSE --- -- --- Subsch. ID : 10 Det. descr. : Report Catalogues for Selected Packet Store	DC169160 129 <dec>	TC	
	ET=+ UT=+00.00.15	Execute Telecommand ReportCatSelPktStore Command Parameter(s) : Store_Id DH003160 TC Control Flags : GBM IL DSE --- -- --- Subsch. ID : 10 Det. descr. : Report Catalogues for Selected Packet Store	DC169160 130 <dec>	TC	
	ET=+ UT=+00.00.15	Execute Telecommand ReportCatSelPktStore Command Parameter(s) : Store_Id DH003160 TC Control Flags : GBM IL DSE --- -- --- Subsch. ID : 10 Det. descr. : Report Catalogues for Selected Packet Store	DC169160 131 <dec>	TC	
	ET=+ UT=+00.00.15	Execute Telecommand ReportCatSelPktStore Command Parameter(s) : Store_Id DH003160 TC Control Flags : GBM IL DSE --- -- --- Subsch. ID : 10 Det. descr. : Report Catalogues for Selected Packet Store	DC169160 255 <dec>	TC	
10		Verify survival register		Next Step: 11	

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10.1		Activate TTR function			
	ET=+ UT=+00.00.05	Execute Telecommand StartTtrManag TC Control Flags : GBM IL DSE --- -- --- Subsch. ID : 10 Det. descr. : Start Ttr Management TC(8,1,109)	DCN06170	TC	
		Verify Telemetry TtrSts DEL17170	= Running	AND=ZAZ28999	
10.2		Acquire survival register and alarm status info RM A			
	ET=+ UT=+00.00.15	Execute Telecommand ReadSurvContxt Command Parameter(s) : RmId DH093170 TC Control Flags : GBM IL DSE --- -- --- Subsch. ID : 10 Det. descr. : TEMPLATE Read Survival Context TC(8,4,109,6)	DCT60170	TC	
		Verify Telemetry RmId DE283170	= RM_A	AND=ZAZ7R999	
		Verify Telemetry SurvBits1 DE343170	= 000202F7 <hex>	(None)	
		Verify Telemetry SurvBits2 DE344170	= 00F70101 <hex>	(None)	
	ET=+ UT=+00.00.15	Execute Telecommand ReadAlarmSts Command Parameter(s) : RmId DH093170 TC Control Flags : GBM IL DSE --- -- --- Subsch. ID : 10 Det. descr. : TEMPLATE Read Alarm Status TC(8,4,109,8)	DCT62170	TC	
10.3		Acquire survival register and alarm status info RM B			

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Step No.	Time	Activity/Remarks	TC/TLM	Display/ Branch	AIT Comment
	ET=+ UT=+00.00.05	Execute Telecommand Report_PCDU_Man_Status TC Control Flags : Subsch. ID : 10 Det. descr. : Report PCDU Management Status TC(8,5,112)	DC05A170	TC	
	ET=+ UT=+00.00.05	Execute Telecommand RptModeManagSts Command Parameter(s) : Function_ID DH010170 TC Control Flags : Subsch. ID : 10 Det. descr. : Report Mode Management Status TC(8,5,110)	DC00G170 Mode_Manag (Def)	TC	
	ET=+ UT=+00.00.05	Execute Telecommand RptEvtAcManagSts Command Parameter(s) : Function_ID DH010170 SPARE_8_BIT GPS08000 TC Control Flags : Subsch. ID : 10 Det. descr. : Report event/action management status TC(8,5,108)	DCT92170 Event_Action (Def) 0 <dec> (Def)	TC	
	ET=+ UT=+00.00.05	Execute Telecommand ReportEvtFiltManagSts TC Control Flags : Subsch. ID : 10 Det. descr. : Report Event Filtering Management Status, TC(8,5,117)	DCN12170	TC	
	ET=+ UT=+00.00.05	Execute Telecommand ReportTtrManagSts TC Control Flags : Subsch. ID : 10 Det. descr. : Report Ttr Management Status, TC(8,5,109)	DCN08170	TC	
	ET=+ UT=+00.00.05	Execute Telecommand ReportObcpManagSts TC Control Flags : Subsch. ID : 10 Det. descr. : Report Obcp Management Status, TC(8,5,107)	DCN05170	TC	
	ET=+ UT=+00.00.05	Execute Telecommand RptOBoardSchedSts TC Control Flags : Subsch. ID : 10 Det. descr. : Report on-noard scheduling status TC(8,5,105)	DC92F170	TC	

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Step No.	Time	Activity/Remarks	TC/TLM	Display/ Branch	AIT Comment
12		Acquire loaded OBCP info		Next Step: 13	
	ET=+ UT=+00.00.05	Execute Telecommand ReptOnBoardObcps TC Control Flags : GBM IL DSE --- -- --- Subsch. ID : 10 Det. descr. : TEMPLATE Report list of on-board OBCPs TC(18,8)	DCT76170	TC	
	ET=+ UT=+00.00.05	Execute Telecommand ReptActiveObcps TC Control Flags : GBM IL DSE --- -- --- Subsch. ID : 10 Det. descr. : TEMPLATE Report list of Active OBCPs TC(18,10)	DCT77170	TC	
13		Report MTL statuses		Next Step: 14	
	ET=+ UT=+00.00.10	Execute Telecommand RetStatusOfCmdSchedule TC Control Flags : GBM IL DSE --- -- --- Subsch. ID : 10 Det. descr. : TEMPLATE ReportStatusOfCmdSchedule, TC(11,18), no appl. data	DCT25170	TC	
14		Report ACMS RM A info		Next Step: 15	
	ET=+ UT=+00.00.05	Execute Telecommand Get RM-A status Command Parameter(s) : RMStat DF86Cmd AH841001 Enable 86 RMStat DD86Cmd AH842001 Enable 86 TC Control Flags : GBM IL DSE --- -- --- Subsch. ID : 20 Det. descr. : TC(8,1) - Get RM-A status	ACZZ4109	TC	
15		Report ACMS RM B info		Next Step: 16	

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Step No.	Time	Activity/Remarks	TC/TLM	Display/ Branch	AIT Comment
	ET=+ UT=+00.00.15	Execute Telecommand Get RM-B status Command Parameter(s) : RMStat DF86Cmd AH841001 RMStat DD86Cmd AH842001 TC Control Flags : GBM IL DSE --- -- --- Subsch. ID : 20 Det. descr. : TC(8,1) - Get RM-B status	ACZZ5109 Enable 86 Enable 86	TC	
16		Define, enable, then disable all ACC OBDB DTMs		Next Step: 17	
		This step enables all diagnostic packets related to the 2134 onboard database parameters on Herschel. As the Herschel onboard database currently contains 2134 parameters there are 8 diagnostic packets defined that together cover the entire Herschel onboard database. In H-P-4-TASW-IP-0002 {ACC ASW_ICD} section 6.1 you can find a list of Herschel OBDB parameters ordered by offset.			
		CONSTRAINTS: 1. Pre-condition for any diagnostic packet to be enabled is that the spacecraft has to be configured for 150 kbps downlink rate or higher. 2. In 150 kbps downlink rate or higher, 2500 bps is allocated ACMS non-essential telemetry.			
		Verify Telemetry TME_BITRATE DEMRF160	>= 150 Kbps	AND=ZAD07999	
		Packets to be enabled: A3DHOBDB1109 {DTM with Herschel OBDB data1} A3DHOBDB2109 {DTM with Herschel OBDB data2} A3DHOBDB3109 {DTM with Herschel OBDB data3} A3DHOBDB4109 {DTM with Herschel OBDB data4} A3DHOBDB5109 {DTM with Herschel OBDB data5} A3DHOBDB6109 {DTM with Herschel OBDB data6} A3DHOBDB7109 {DTM with Herschel OBDB data7} A3DHOBDB8109 {DTM with Herschel OBDB data8}			
		Per packet (default settings): Packet size = 8160 bits Interval = 30 s (= 120 sampling periods) Packet rate = 8160 [bits] / 30 [s] = 272 [bps] Total: Total DTM packet rate = 5 * 272 [bps] = 1360 [bps]			
16.1		Uplink 1st part of Sequence HVADODDI			

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Step No.	Time	Activity/Remarks	TC/TLM	Display/ Branch	AIT Comment
	ET=+ UT=+00.00.15	Execute Telecommand TC32H ASOBDB01 Command Parameter(s) : HK Packet ID AH3PK109 Structure ID HK AH3SD109 Interval AH3SA109 DID number AH3PA109 Subsch. ID : 20 Det. descr. : TC(3,2) Define H ASOBDB01	AC3D1109 4501 <dec> DTM OBDB01 (Def) 128 <dec> 24833 <dec> (Def)	TC	
	ET=+ UT=+00.00.05	Execute Telecommand TC32H ASOBDB02 Command Parameter(s) : HK Packet ID AH3PK109 Structure ID HK AH3SD109 Interval AH3SA109 DID number AH3PA109 Subsch. ID : 20 Det. descr. : TC(3,2) Define H ASOBDB02	AC3D2109 4502 <dec> DTM OBDB02 (Def) 128 <dec> 24834 <dec> (Def)	TC	
	ET=+ UT=+00.00.05	Execute Telecommand TC32H ASOBDB03 Command Parameter(s) : HK Packet ID AH3PK109 Structure ID HK AH3SD109 Interval AH3SA109 DID number AH3PA109 Subsch. ID : 20 Det. descr. : TC(3,2) Define H ASOBDB03	AC3D3109 4503 <dec> DTM OBDB03 (Def) 128 <dec> 24835 <dec> (Def)	TC	
	ET=+ UT=+00.00.05	Execute Telecommand TC32H ASOBDB04 Command Parameter(s) : HK Packet ID AH3PK109 Structure ID HK AH3SD109 Interval AH3SA109 DID number AH3PA109 Subsch. ID : 20 Det. descr. : TC(3,2) Define H ASOBDB04	AC3D4109 4504 <dec> DTM OBDB04 (Def) 128 <dec> 24836 <dec> (Def)	TC	
	ET=+ UT=+00.00.05	Execute Telecommand TC32H ASOBDB05 Command Parameter(s) : HK Packet ID AH3PK109 Structure ID HK AH3SD109 Interval AH3SA109 DID number AH3PA109 Subsch. ID : 20 Det. descr. : TC(3,2) Define H ASOBDB05	AC3D5109 4505 <dec> DTM OBDB05 (Def) 128 <dec> 24837 <dec> (Def)	TC	
	ET=+ UT=+00.00.05	Execute Telecommand TC32H ASOBDB06 Command Parameter(s) : HK Packet ID AH3PK109 Structure ID HK AH3SD109 Interval AH3SA109 DID number AH3PA109 Subsch. ID : 20 Det. descr. : TC(3,2) Define H ASOBDB06	AC3D6109 4506 <dec> DTM OBDB06 (Def) 128 <dec> 24838 <dec> (Def)	TC	

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Step No.	Time	Activity/Remarks	TC/TLM	Display/ Branch	AIT Comment
	ET=+ UT=+00.00.05	Execute Telecommand TC32H ASOBDB07 Command Parameter(s) : HK Packet ID AH3PK109 Structure ID HK AH3SD109 Interval AH3SA109 DID number AH3PA109 Subsch. ID : 20 Det. descr. : TC(3,2) Define H ASOBDB07	AC3D7109 4507 <dec> DTM OBDB07 (Def) 128 <dec> 24839 <dec> (Def)	TC	
	ET=+ UT=+00.00.05	Execute Telecommand TC32H ASOBDB08 Command Parameter(s) : HK Packet ID AH3PK109 Structure ID HK AH3SD109 Interval AH3SA109 DID number AH3PA109 Subsch. ID : 20 Det. descr. : TC(3,2) Define H ASOBDB08	AC3D8109 4508 <dec> DTM OBDB08 (Def) 128 <dec> 24840 <dec> (Def)	TC	
	ET=+ UT=+00.00.05	Execute Telecommand Report Diag Report Def Command Parameter(s) : Number of pkts AH3NP109 HK Packet ID AH3PK109 HK Packet ID AH3PK109 HK Packet ID AH3PK109 HK Packet ID AH3PK109 HK Packet ID AH3PK109 HK Packet ID AH3PK109 HK Packet ID AH3PK109 HK Packet ID AH3PK109 HK Packet ID AH3PK109 Subsch. ID : 20 Det. descr. : TC(3,11) Report Diagnostic Parameter Report Definitions	AC311109 8 <dec> 4501 <dec> 4502 <dec> 4503 <dec> 4504 <dec> 4505 <dec> 4506 <dec> 4507 <dec> 4508 <dec>	TC	
	ET=+ UT=+00.00.10	Execute Telecommand EnableTmGen Command Parameter(s) : N AH017070 Sub-Type AH019070 Packet-ID AH020070 Subsch. ID : 20 Det. descr. : Enable Generation of Telemetry Packets	AC900070 1 <dec> (Def) Diag Report 4501 <dec>	TC	
	ET=+ UT=+00.00.05	Execute Telecommand EnableTmGen Command Parameter(s) : N AH017070 Sub-Type AH019070 Packet-ID AH020070 Subsch. ID : 20 Det. descr. : Enable Generation of Telemetry Packets	AC900070 1 <dec> (Def) Diag Report 4502 <dec>	TC	
	ET=+ UT=+00.00.05	Execute Telecommand EnableTmGen Command Parameter(s) : N AH017070 Sub-Type AH019070 Packet-ID AH020070 Subsch. ID : 20 Det. descr. : Enable Generation of Telemetry Packets	AC900070 1 <dec> (Def) Diag Report 4503 <dec>	TC	

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Step No.	Time	Activity/Remarks	TC/TLM	Display/ Branch	AIT Comment
	ET=+ UT=+00.00.05	Execute Telecommand EnableTmGen Command Parameter(s) : N AH017070 Sub-Type AH019070 Packet-ID AH020070 Subsch. ID : 20 Det. descr. : Enable Generation of Telemetry Packets	AC900070	TC	
	ET=+ UT=+00.00.05	Execute Telecommand EnableTmGen Command Parameter(s) : N AH017070 Sub-Type AH019070 Packet-ID AH020070 Subsch. ID : 20 Det. descr. : Enable Generation of Telemetry Packets	AC900070	TC	
	ET=+ UT=+00.00.05	Execute Telecommand EnableTmGen Command Parameter(s) : N AH017070 Sub-Type AH019070 Packet-ID AH020070 Subsch. ID : 20 Det. descr. : Enable Generation of Telemetry Packets	AC900070	TC	
	ET=+ UT=+00.00.05	Execute Telecommand EnableTmGen Command Parameter(s) : N AH017070 Sub-Type AH019070 Packet-ID AH020070 Subsch. ID : 20 Det. descr. : Enable Generation of Telemetry Packets	AC900070	TC	
	ET=+ UT=+00.00.05	Execute Telecommand EnableTmGen Command Parameter(s) : N AH017070 Sub-Type AH019070 Packet-ID AH020070 Subsch. ID : 20 Det. descr. : Enable Generation of Telemetry Packets	AC900070	TC	
16.2		Verify OBDB DTM Enable			
		Verify Packet Reception DTM with Herschel OBDB datal Packet Mnemonic : A3DH0BDB1109 APID : 514 Type : 3 Subtype : 26 PI1 : 4501 PI2 :			

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Step No.	Time	Activity/Remarks	TC/TLM	Display/ Branch	AIT Comment
		NOTE: The contents of diagnostic packet A3DH0BDB1109 {DTM with Herschel OBDB data1} are spread over a group of 4 monitoring displays: ZAZ60999 DTMOBDB1_1 ZAZ61999 DTMOBDB1_2 ZAZ62999 DTMOBDB1_3 ZAZ63999 DTMOBDB1_4			
		Verify Packet Reception DTM with Herschel OBDB data2 Packet Mnemonic : A3DH0BDB2109 APID : 514 Type : 3 Subtype : 26 PI1 : 4502 PI2 :			
		NOTE: The contents of diagnostic packet A3DH0BDB2109 {DTM with Herschel OBDB data2} are spread over a group of 4 monitoring displays: ZAZ64999 DTMOBDB2_1 ZAZ65999 DTMOBDB2_2 ZAZ66999 DTMOBDB2_3 ZAZ67999 DTMOBDB2_4			
		Verify Packet Reception DTM with Herschel OBDB data3 Packet Mnemonic : A3DH0BDB3109 APID : 514 Type : 3 Subtype : 26 PI1 : 4503 PI2 :			
		NOTE: The contents of diagnostic packet A3DH0BDB3109 {DTM with Herschel OBDB data3} are spread over a group of 4 monitoring displays: ZAZ68999 DTMOBDB3_1 ZAZ69999 DTMOBDB3_2 ZAZ6A999 DTMOBDB3_3 ZAZ6B999 DTMOBDB3_4			
		Verify Packet Reception DTM with Herschel OBDB data4 Packet Mnemonic : A3DH0BDB4109 APID : 514 Type : 3 Subtype : 26 PI1 : 4504 PI2 :			
		NOTE: The contents of diagnostic packet A3DH0BDB4109 {DTM with Herschel OBDB data4} are spread over a group of 4 monitoring displays: ZAZ6C999 DTMOBDB4_1 ZAZ6D999 DTMOBDB4_2 ZAZ6E999 DTMOBDB4_3 ZAZ6F999 DTMOBDB4_4			
		Verify Packet Reception DTM with Herschel OBDB data5 Packet Mnemonic : A3DH0BDB5109 APID : 514 Type : 3 Subtype : 26 PI1 : 4505 PI2 :			

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Step No.	Time	Activity/Remarks	TC/TLM	Display/ Branch	AIT Comment
		NOTE: The contents of diagnostic packet A3DH0BDB5109 {DTM with Herschel OBDB data5} are spread over a group of 4 monitoring displays: ZAZ6G999 DTMOBDB5_1 ZAZ6H999 DTMOBDB5_2 ZAZ6I999 DTMOBDB5_3 ZAZ6J999 DTMOBDB5_4			
		Verify Packet Reception DTM with Herschel OBDB data6 Packet Mnemonic : A3DH0BDB6109 APID : 514 Type : 3 Subtype : 26 PI1 : 4506 PI2 :			
		NOTE: The contents of diagnostic packet A3DH0BDB6109 {DTM with Herschel OBDB data6} are spread over a group of 4 monitoring displays: ZAZ6K999 DTMOBDB6_1 ZAZ6L999 DTMOBDB6_2 ZAZ6M999 DTMOBDB6_3 ZAZ6N999 DTMOBDB6_4			
		Verify Packet Reception DTM with Herschel OBDB data7 Packet Mnemonic : A3DH0BDB7109 APID : 514 Type : 3 Subtype : 26 PI1 : 4507 PI2 :			
		NOTE: The contents of diagnostic packet A3DH0BDB7109 {DTM with Herschel OBDB data7} are spread over a group of 4 monitoring displays: ZAZ6O999 DTMOBDB7_1 ZAZ6P999 DTMOBDB7_2 ZAZ6Q999 DTMOBDB7_3 ZAZ6R999 DTMOBDB7_4			
		Verify Packet Reception DTM with Herschel OBDB data8 Packet Mnemonic : A3DH0BDB8109 APID : 514 Type : 3 Subtype : 26 PI1 : 4508 PI2 :			
		NOTE: The contents of diagnostic packet A3DH0BDB8109 {DTM with Herschel OBDB data8} are spread over a group of 4 monitoring displays: ZAZ6S999 DTMOBDB8_1 ZAZ6T999 DTMOBDB8_2 ZAZ6U999 DTMOBDB8_3 ZAZ6V999 DTMOBDB8_4			
16.3		Uplink 2nd part of Sequence HVADODDI			

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Step No.	Time	Activity/Remarks	TC/TLM	Display/ Branch	AIT Comment
	ET=+ UT=+00.05.00	Execute Telecommand DisableTmGen Command Parameter(s) : N AH017070 Sub-Type AH019070 Packet-ID AH020070 Sub-Type AH019070 Packet-ID AH020070 Sub-Type AH019070 Packet-ID AH020070 Sub-Type AH019070 Packet-ID AH020070 Sub-Type AH019070 Packet-ID AH020070 Sub-Type AH019070 Packet-ID AH020070 Sub-Type AH019070 Packet-ID AH020070 Sub-Type AH019070 Packet-ID AH020070 Sub-Type AH019070 Packet-ID AH020070 Sub-Type AH019070 Packet-ID AH020070 Subsch. ID : 20 Det. descr. : Disable Generation of Telemetry Packets	AC902070	TC	
17		Acquire current Packet Store Pointer values		Next Step: 18	
17.1		Send TC (15,12) to report catalogues for selected packet store			
		When this request is received by the CDMS, the catalogues for the specified Packet Stores are reported with TM(15,13).			
	ET=+ UT=+00.00.05	Execute Telecommand ReportCatSelPktStore Command Parameter(s) : Store_Id DH003160 TC Control Flags : GBM IL DSE ---- Subsch. ID : 10 Det. descr. : Report Catalogues for Selected Packet Store	DC169160	TC	
	ET=+ UT=+00.00.15	Execute Telecommand ReportCatSelPktStore Command Parameter(s) : Store_Id DH003160 TC Control Flags : GBM IL DSE ---- Subsch. ID : 10 Det. descr. : Report Catalogues for Selected Packet Store	DC169160	TC	

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Step No.	Time	Activity/Remarks	TC/TLM	Display/ Branch	AIT Comment
	ET=+ UT=+00.00.15	Execute Telecommand ReportCatSelPktStore Command Parameter(s) : Store_Id DH003160 TC Control Flags : GBM IL DSE --- -- --- Subsch. ID : 10 Det. descr. : Report Catalogues for Selected Packet Store	DC169160 2 <dec>	TC	
	ET=+ UT=+00.00.15	Execute Telecommand ReportCatSelPktStore Command Parameter(s) : Store_Id DH003160 TC Control Flags : GBM IL DSE --- -- --- Subsch. ID : 10 Det. descr. : Report Catalogues for Selected Packet Store	DC169160 3 <dec>	TC	
	ET=+ UT=+00.00.05	Execute Telecommand ReportCatSelPktStore Command Parameter(s) : Store_Id DH003160 TC Control Flags : GBM IL DSE --- -- --- Subsch. ID : 10 Det. descr. : Report Catalogues for Selected Packet Store	DC169160 127 <dec>	TC	
	ET=+ UT=+00.00.15	Execute Telecommand ReportCatSelPktStore Command Parameter(s) : Store_Id DH003160 TC Control Flags : GBM IL DSE --- -- --- Subsch. ID : 10 Det. descr. : Report Catalogues for Selected Packet Store	DC169160 128 <dec>	TC	
	ET=+ UT=+00.00.15	Execute Telecommand ReportCatSelPktStore Command Parameter(s) : Store_Id DH003160 TC Control Flags : GBM IL DSE --- -- --- Subsch. ID : 10 Det. descr. : Report Catalogues for Selected Packet Store	DC169160 129 <dec>	TC	

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Step No.	Time	Activity/Remarks	TC/TLM	Display/ Branch	AIT Comment
	ET=+ UT=+00.00.15	Execute Telecommand ReportCatSelPktStore Command Parameter(s) : Store_Id DH003160 TC Control Flags : GBM IL DSE --- -- --- Subsch. ID : 10 Det. descr. : Report Catalogues for Selected Packet Store	DC169160 130 <dec>	TC	
	ET=+ UT=+00.00.15	Execute Telecommand ReportCatSelPktStore Command Parameter(s) : Store_Id DH003160 TC Control Flags : GBM IL DSE --- -- --- Subsch. ID : 10 Det. descr. : Report Catalogues for Selected Packet Store	DC169160 131 <dec>	TC	
	ET=+ UT=+00.00.15	Execute Telecommand ReportCatSelPktStore Command Parameter(s) : Store_Id DH003160 TC Control Flags : GBM IL DSE --- -- --- Subsch. ID : 10 Det. descr. : Report Catalogues for Selected Packet Store	DC169160 255 <dec>	TC	
18		Read main registers		Next Step: 19	
	ET=+ UT=+00.00.10	Execute Telecommand StartTtrManag Subsch. ID : 10 Det. descr. : Start Ttr Management TC(8,1,109)	DCN06170	TC	
18.1		Read main CROME_A registers			
	ET=+ UT=+00.00.05	CROME A: Read CAR Power On Reset Register CRMA_CAR_PwrOnResetReg TC Control Flags : GBM IL DSE --- -- --- Subsch. ID : 10 Det. descr. : CROME A: Read CAR Power On Reset Register	DCW00159	TC	

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Step No.	Time	Activity/Remarks	TC/TLM	Display/ Branch	AIT Comment
	ET=+ UT=+00.00.05	CROME A: Read PIM Write Disable Status Register CRMA_PIMwriteDisStsReg <i>TC Control Flags :</i> GBM IL DSE --- -- --- <i>Subsch. ID : 10</i> Det. descr. : CROME A: Read PIM Write Disable Status Register	DCW01159	TC	
	ET=+ UT=+00.00.05	CROME A: Read PIM Scrubber Configuration Register CRMA_PIM_ScrubCfgReg <i>TC Control Flags :</i> GBM IL DSE --- -- --- <i>Subsch. ID : 10</i> Det. descr. : CROME A: Read PIM Scrubber Configuration Register	DCW02159	TC	
	ET=+ UT=+00.00.05	CROME A: Read PIM Scrubber Start Address CRMA_PIM_ScrubStartAddr <i>TC Control Flags :</i> GBM IL DSE --- -- --- <i>Subsch. ID : 10</i> Det. descr. : CROME A: Read PIM Scrubber Start Address	DCW03159	TC	
	ET=+ UT=+00.00.05	CROME A: Read PIM Scrubber End Address CRMA_PIM_ScrubEndAddr <i>TC Control Flags :</i> GBM IL DSE --- -- --- <i>Subsch. ID : 10</i> Det. descr. : CROME A: Read PIM Scrubber End Address	DCW04159	TC	
	ET=+ UT=+00.00.05	CROME A: Read PIM Status Register CRMA_PIM_StatusReg <i>TC Control Flags :</i> GBM IL DSE --- -- --- <i>Subsch. ID : 10</i> Det. descr. : CROME A: Read PIM Status Register	DCW05159	TC	
	ET=+ UT=+00.00.05	CROME A: Read PDEC Command Link Control Word CRMA_PDECcmdLnkCtrlWrd <i>TC Control Flags :</i> GBM IL DSE --- -- --- <i>Subsch. ID : 10</i> Det. descr. : CROME A: Read PDEC Command Link Control Word	DCW06159	TC	
	ET=+ UT=+00.00.05	CROME A: Read PDEC MAP Interface 1 Status Reg (MAP I/F to PMA) CRMA_PDECmapIF1StsRegPMA <i>TC Control Flags :</i> GBM IL DSE --- -- --- <i>Subsch. ID : 10</i> Det. descr. : CROME A: Read PDEC MAP Interface 1 Status Reg (MAP I/F to PMA)	DCW07159	TC	

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Step No.	Time	Activity/Remarks	TC/TLM	Display/ Branch	AIT Comment
	ET=+ UT=+00.00.05	CROME A: Read PDEC MAP Interface 5 Status Register CRMA_PDEC_MapIF5StsReg <i>TC Control Flags :</i> <p style="text-align: right;">GBM IL DSE --- -- ---</p> <i>Subsch. ID :</i> 10 <i>Det. descr. :</i> CROME A: Read PDEC MAP Interface 5 Status Register	DCW08159	TC	
	ET=+ UT=+00.00.05	CROME A: Read PDEC Monitor CRMA_PDEC_Monitor <i>TC Control Flags :</i> <p style="text-align: right;">GBM IL DSE --- -- ---</p> <i>Subsch. ID :</i> 10 <i>Det. descr. :</i> CROME A: Read PDEC Monitor	DCW09159	TC	
	ET=+ UT=+00.00.05	CROME A: Read PDEC Frame Analysis Report (Copy) CRMA_PDEC_FAR_Copy <i>TC Control Flags :</i> <p style="text-align: right;">GBM IL DSE --- -- ---</p> <i>Subsch. ID :</i> 10 <i>Det. descr. :</i> CROME A: Read PDEC Frame Analysis Report (Copy)	DCW0A159	TC	
	ET=+ UT=+00.00.05	CROME A: Read TME VC Input Configuration Registers A (i.e. VC 2) CRMA_TME_InCfgRegA-VC2 <i>TC Control Flags :</i> <p style="text-align: right;">GBM IL DSE --- -- ---</p> <i>Subsch. ID :</i> 10 <i>Det. descr. :</i> CROME A: Read TME VC Input Configuration Registers A (i.e. VC 2)	DCW0B159	TC	
	ET=+ UT=+00.00.05	CROME A: Read TME VC Input Configuration Registers B (i.e. VC 3) CRMA_TME_InCfgRegB-VC3 <i>TC Control Flags :</i> <p style="text-align: right;">GBM IL DSE --- -- ---</p> <i>Subsch. ID :</i> 10 <i>Det. descr. :</i> CROME A: Read TME VC Input Configuration Registers B (i.e. VC 3)	DCW0C159	TC	
	ET=+ UT=+00.00.05	CROME A: Read TME VC Input Configuration Registers C (i.e. VC 0) CRMA_TME_InCfgRegC-VC0 <i>TC Control Flags :</i> <p style="text-align: right;">GBM IL DSE --- -- ---</p> <i>Subsch. ID :</i> 10 <i>Det. descr. :</i> CROME A: Read TME VC Input Configuration Registers C (i.e. VC 0)	DCW0D159	TC	
	ET=+ UT=+00.00.05	CROME A: Read TME VC Input Configuration Registers D (i.e. VC 1) CRMA_TME_InCfgRegD-VC1 <i>TC Control Flags :</i> <p style="text-align: right;">GBM IL DSE --- -- ---</p> <i>Subsch. ID :</i> 10 <i>Det. descr. :</i> CROME A: Read TME VC Input Configuration Registers D (i.e. VC 1)	DCW0E159	TC	

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	ET=+ UT=+00.00.05	CROME A: Read TME VC Input Configuration Registers E (i.e. VC 4) CRMA_TME_InCfgRegE-VC4 TC Control Flags : GBM IL DSE ---- Subsch. ID : 10 Det. descr. : CROME A: Read TME VC Input Configuration Registers E (i.e. VC 4)	DCW0F159	TC	
	ET=+ UT=+00.00.05	CROME A: Read TME VC Input Configuration Registers F (i.e. VC 5) CRMA_TME_InCfgRegF-VC5 TC Control Flags : GBM IL DSE ---- Subsch. ID : 10 Det. descr. : CROME A: Read TME VC Input Configuration Registers F (i.e. VC 5)	DCW0G159	TC	
	ET=+ UT=+00.00.05	CROME A: Read TME VC Input Configuration Registers G (i.e. VC 6) CRMA_TME_InCfgRegG-VC6 TC Control Flags : GBM IL DSE ---- Subsch. ID : 10 Det. descr. : CROME A: Read TME VC Input Configuration Registers G (i.e. VC 6)	DCW0H159	TC	
	ET=+ UT=+00.00.05	CROME A: Read TME VC Input Configuration Registers H (i.e. VC 7) CRMA_TME_InCfgRegH-VC7 TC Control Flags : GBM IL DSE ---- Subsch. ID : 10 Det. descr. : CROME A: Read TME VC Input Configuration Registers H (i.e. VC 7)	DCW0J159	TC	
	ET=+ UT=+00.00.05	CROME A: Read TME TM Encoding Configuration Register 0 CRMA_TME_TM_EncCfgReg0 TC Control Flags : GBM IL DSE ---- Subsch. ID : 10 Det. descr. : CROME A: Read TME TM Encoding Configuration Register 0	DCW0K159	TC	
	ET=+ UT=+00.00.05	CROME A: Read TME TM Encoding Configuration Register 1 CRMA_TME_TM_EncCfgReg1 TC Control Flags : GBM IL DSE ---- Subsch. ID : 10 Det. descr. : CROME A: Read TME TM Encoding Configuration Register 1	DCW0L159	TC	
	ET=+ UT=+00.00.05	CROME A: Read TME TFM SubC Divisor Register CRMA_TME_TFMsubCdivReg TC Control Flags : GBM IL DSE ---- Subsch. ID : 10 Det. descr. : CROME A: Read TME TFM SubC Divisor Register	DCW0M159	TC	

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	ET=+ UT=+00.00.05	CROME A: Read TME TFM Bit Rate Divisor Register CRMA_TME_TFMbitRteDivReg TC Control Flags : GBM IL DSE --- -- --- Subsch. ID : 10 Det. descr. : CROME A: Read TME TFM Bit Rate Divisor Register	DCW0N159	TC	
	ET=+ UT=+00.00.05	CROME A: Read CSEL Status Register CRMA_CSEL_StatusReg TC Control Flags : GBM IL DSE --- -- --- Subsch. ID : 10 Det. descr. : CROME A: Read CSEL Status Register	DCW0P159	TC	
	ET=+ UT=+00.00.05	CROME A: Read CPDM Status Report Register CRMA_CPDM_StsReportReg TC Control Flags : GBM IL DSE --- -- --- Subsch. ID : 10 Det. descr. : CROME A: Read CPDM Status Report Register	DCW0R159	TC	
	ET=+ UT=+00.00.05	CROME A: Read CPDM Status Register CRMA_CPDM_StatusReg TC Control Flags : GBM IL DSE --- -- --- Subsch. ID : 10 Det. descr. : CROME A: Read CPDM Status Register	DCW0S159	TC	
	ET=+ UT=+00.00.05	CROME A: Read RMH Status Register CRMA_RMH_StatusReg TC Control Flags : GBM IL DSE --- -- --- Subsch. ID : 10 Det. descr. : CROME A: Read RMH Status Register	DCW0T159	TC	
	ET=+ UT=+00.00.05	CROME A: Read RMH Alarm Status Register CRMA_RMH_AlarmStsReg TC Control Flags : GBM IL DSE --- -- --- Subsch. ID : 10 Det. descr. : CROME A: Read RMH Alarm Status Register	DCW0U159	TC	
	ET=+ UT=+00.00.05	CROME A: Read RMH Monitor Status Register CRMA_RMH_MonitorStsReg TC Control Flags : GBM IL DSE --- -- --- Subsch. ID : 10 Det. descr. : CROME A: Read RMH Monitor Status Register	DCW0V159	TC	
	ET=+ UT=+00.00.05	CROME A: Read RMH Filtered Alarm Status Register CRMA_RMH_FiltAlrmStsReg TC Control Flags : GBM IL DSE --- -- --- Subsch. ID : 10 Det. descr. : CROME A: Read RMH Filtered Alarm Status Register	DCW0W159	TC	

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	ET=+ UT=+00.00.05	CROME A: Read RMH Temporisation Delay Register 2 CRMA_RMH_TemporDlayReg2 <i>TC Control Flags :</i> GBM IL DSE --- -- --- <i>Subsch. ID : 10</i> Det. descr. : CROME A: Read RMH Temporisation Delay Register 2	DCW1D159	TC	
	ET=+ UT=+00.00.05	CROME A: Read RMH Temporisation Delay Register 3 CRMA_RMH_TemporDlayReg3 <i>TC Control Flags :</i> GBM IL DSE --- -- --- <i>Subsch. ID : 10</i> Det. descr. : CROME A: Read RMH Temporisation Delay Register 3	DCW1E159	TC	
	ET=+ UT=+00.00.05	CROME A: Read RMH Temporisation Delay Register 4 CRMA_RMH_TemporDlayReg4 <i>TC Control Flags :</i> GBM IL DSE --- -- --- <i>Subsch. ID : 10</i> Det. descr. : CROME A: Read RMH Temporisation Delay Register 4	DCW1F159	TC	
	ET=+ UT=+00.00.05	CROME A: Read RMH Temporisation Delay Register 5 CRMA_RMH_TemporDlayReg5 <i>TC Control Flags :</i> GBM IL DSE --- -- --- <i>Subsch. ID : 10</i> Det. descr. : CROME A: Read RMH Temporisation Delay Register 5	DCW1G159	TC	
	ET=+ UT=+00.00.05	CROME A: Read RMH Temporisation Delay Register 6 CRMA_RMH_TemporDlayReg6 <i>TC Control Flags :</i> GBM IL DSE --- -- --- <i>Subsch. ID : 10</i> Det. descr. : CROME A: Read RMH Temporisation Delay Register 6	DCW1H159	TC	
	ET=+ UT=+00.00.05	CROME A: Read RMH Temporisation Delay Register 7 CRMA_RMH_TemporDlayReg7 <i>TC Control Flags :</i> GBM IL DSE --- -- --- <i>Subsch. ID : 10</i> Det. descr. : CROME A: Read RMH Temporisation Delay Register 7	DCW1J159	TC	
	ET=+ UT=+00.00.05	CROME A: Read RMH Temporisation Delay Register 8 CRMA_RMH_TemporDlayReg8 <i>TC Control Flags :</i> GBM IL DSE --- -- --- <i>Subsch. ID : 10</i> Det. descr. : CROME A: Read RMH Temporisation Delay Register 8	DCW1K159	TC	

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	ET=+ UT=+00.00.05	CROME A: Read RMH Attempt Count Register 0 CRMA_RMH_AttmpCntReg0 <i>TC Control Flags :</i> GBM IL DSE --- -- --- <i>Subsch. ID : 10</i> Det. descr. : CROME A: Read RMH Attempt Count Register 0	DCW1L159	TC	
	ET=+ UT=+00.00.05	CROME A: Read RMH Attempt Count Register 1 CRMA_RMH_AttmpCntReg1 <i>TC Control Flags :</i> GBM IL DSE --- -- --- <i>Subsch. ID : 10</i> Det. descr. : CROME A: Read RMH Attempt Count Register 1	DCW1M159	TC	
	ET=+ UT=+00.00.05	CROME A: Read RMH Attempt Count Register 2 CRMA_RMH_AttmpCntReg2 <i>TC Control Flags :</i> GBM IL DSE --- -- --- <i>Subsch. ID : 10</i> Det. descr. : CROME A: Read RMH Attempt Count Register 2	DCW1N159	TC	
	ET=+ UT=+00.00.05	CROME A: Read RMH Attempt Count Register 3 CRMA_RMH_AttmpCntReg3 <i>TC Control Flags :</i> GBM IL DSE --- -- --- <i>Subsch. ID : 10</i> Det. descr. : CROME A: Read RMH Attempt Count Register 3	DCW1P159	TC	
	ET=+ UT=+00.00.05	CROME A: Read RMH Attempt Count Register 4 CRMA_RMH_AttmpCntReg4 <i>TC Control Flags :</i> GBM IL DSE --- -- --- <i>Subsch. ID : 10</i> Det. descr. : CROME A: Read RMH Attempt Count Register 4	DCW1R159	TC	
	ET=+ UT=+00.00.05	CROME A: Read RMH Attempt Count Register 5 CRMA_RMH_AttmpCntReg5 <i>TC Control Flags :</i> GBM IL DSE --- -- --- <i>Subsch. ID : 10</i> Det. descr. : CROME A: Read RMH Attempt Count Register 5	DCW1S159	TC	
	ET=+ UT=+00.00.05	CROME A: Read RMH Attempt Count Register 6 CRMA_RMH_AttmpCntReg6 <i>TC Control Flags :</i> GBM IL DSE --- -- --- <i>Subsch. ID : 10</i> Det. descr. : CROME A: Read RMH Attempt Count Register 6	DCW1T159	TC	

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	ET=+ UT=+00.00.05	CROME A: Read PIO IO Status Register CRMA_PIO_IO_StatusReg TC Control Flags : GBM IL DSE --- -- Subsch. ID : 10 Det. descr. : CROME A: Read PIO IO Status Register	DCW1U159	TC	
	ET=+ UT=+00.00.05	CROME A: Read SPW Link Status Register CRMA_SPW_LinkStatusReg TC Control Flags : GBM IL DSE --- -- Subsch. ID : 10 Det. descr. : CROME A: Read SPW Link Status Register	DCW1V159	TC	
	ET=+ UT=+00.00.05	CROME A: Read OBT Control Register CRMA_OBT_Control_Reg TC Control Flags : GBM IL DSE --- -- Subsch. ID : 10 Det. descr. : CROME A: Read OBT Control Register	DCW1W159	TC	
	ET=+ UT=+00.00.05	CROME A: Read M1553 Status Register CRMA_M1553_Status_Reg TC Control Flags : GBM IL DSE --- -- Subsch. ID : 10 Det. descr. : CROME A: Read M1553 Status Register	DCW1X159	TC	
18.2		Read main CROME_B registers			
	ET=+ UT=+00.00.05	CROME B: Read CAR Power On Reset Register CRMB_CAR_PwrOnResetReg TC Control Flags : GBM IL DSE --- -- Subsch. ID : 10 Det. descr. : CROME B: Read CAR Power On Reset Register	DCW1Y159	TC	
	ET=+ UT=+00.00.05	CROME B: Read PIM Write Disable Status Register CRMB_PIMwriteDisStsReg TC Control Flags : GBM IL DSE --- -- Subsch. ID : 10 Det. descr. : CROME B: Read PIM Write Disable Status Register	DCW1Z159	TC	
	ET=+ UT=+00.00.05	CROME B: Read PIM Scrubber Configuration Register CRMB_PIM_ScrubCfgReg TC Control Flags : GBM IL DSE --- -- Subsch. ID : 10 Det. descr. : CROME B: Read PIM Scrubber Configuration Register	DCW20159	TC	

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	ET=+ UT=+00.00.05	CROME B: Read TME VC Input Configuration Registers A (i.e. VC 2) CRMB_TME_InCfgRegA-VC2 TC Control Flags : GBM IL DSE ---- Subsch. ID : 10 Det. descr. : CROME B: Read TME VC Input Configuration Registers A (i.e. VC 2)	DCW29159	TC	
	ET=+ UT=+00.00.05	CROME B: Read TME VC Input Configuration Registers B (i.e. VC 3) CRMB_TME_InCfgRegB-VC3 TC Control Flags : GBM IL DSE ---- Subsch. ID : 10 Det. descr. : CROME B: Read TME VC Input Configuration Registers B (i.e. VC 3)	DCW2A159	TC	
	ET=+ UT=+00.00.05	CROME B: Read TME VC Input Configuration Registers C (i.e. VC 0) CRMB_TME_InCfgRegC-VC0 TC Control Flags : GBM IL DSE ---- Subsch. ID : 10 Det. descr. : CROME B: Read TME VC Input Configuration Registers C (i.e. VC 0)	DCW2B159	TC	
	ET=+ UT=+00.00.05	CROME B: Read TME VC Input Configuration Registers D (i.e. VC 1) CRMB_TME_InCfgRegD-VC1 TC Control Flags : GBM IL DSE ---- Subsch. ID : 10 Det. descr. : CROME B: Read TME VC Input Configuration Registers D (i.e. VC 1)	DCW2C159	TC	
	ET=+ UT=+00.00.05	CROME B: Read TME VC Input Configuration Registers E (i.e. VC 4) CRMB_TME_InCfgRegE-VC4 TC Control Flags : GBM IL DSE ---- Subsch. ID : 10 Det. descr. : CROME B: Read TME VC Input Configuration Registers E (i.e. VC 4)	DCW2D159	TC	
	ET=+ UT=+00.00.05	CROME B: Read TME VC Input Configuration Registers F (i.e. VC 5) CRMB_TME_InCfgRegF-VC5 TC Control Flags : GBM IL DSE ---- Subsch. ID : 10 Det. descr. : CROME B: Read TME VC Input Configuration Registers F (i.e. VC 5)	DCW2E159	TC	
	ET=+ UT=+00.00.05	CROME B: Read TME VC Input Configuration Registers G (i.e. VC 6) CRMB_TME_InCfgRegG-VC6 TC Control Flags : GBM IL DSE ---- Subsch. ID : 10 Det. descr. : CROME B: Read TME VC Input Configuration Registers G (i.e. VC 6)	DCW2F159	TC	

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Step No.	Time	Activity/Remarks	TC/TLM	Display/ Branch	AIT Comment
	ET=+ UT=+00.00.05	CROME B: Read TME VC Input Configuration Registers H (i.e. VC 7) CRMB_TME_InCfgRegH-VC7 TC Control Flags : Subsch. ID : 10 Det. descr. : CROME B: Read TME VC Input Configuration Registers H (i.e. VC 7) GBM IL DSE --- --	DCW2G159	TC	
	ET=+ UT=+00.00.05	CROME B: Read TME TM Encoding Configuration Register 0 CRMB_TME_TM_EncCfgReg0 TC Control Flags : Subsch. ID : 10 Det. descr. : CROME B: Read TME TM Encoding Configuration Register 0 GBM IL DSE --- --	DCW2H159	TC	
	ET=+ UT=+00.00.05	CROME B: Read TME TM Encoding Configuration Register 1 CRMB_TME_TM_EncCfgReg1 TC Control Flags : Subsch. ID : 10 Det. descr. : CROME B: Read TME TM Encoding Configuration Register 1 GBM IL DSE --- --	DCW2J159	TC	
	ET=+ UT=+00.00.05	CROME B: Read TME TFM SubC Divisor Register CRMB_TME_TFMsubCdivReg TC Control Flags : Subsch. ID : 10 Det. descr. : CROME B: Read TME TFM SubC Divisor Register GBM IL DSE --- --	DCW2K159	TC	
	ET=+ UT=+00.00.05	CROME B: Read TME TFM Bit Rate Divisor Register CRMB_TME_TFMbitRteDivReg TC Control Flags : Subsch. ID : 10 Det. descr. : CROME B: Read TME TFM Bit Rate Divisor Register GBM IL DSE --- --	DCW2L159	TC	
	ET=+ UT=+00.00.05	CROME B: Read CSEL Status Register CRMB_CSEL_StatusReg TC Control Flags : Subsch. ID : 10 Det. descr. : CROME B: Read CSEL Status Register GBM IL DSE --- --	DCW2M159	TC	
	ET=+ UT=+00.00.05	CROME B: Read CPDM Status Report Register CRMB_CPDM_StsReportReg TC Control Flags : Subsch. ID : 10 Det. descr. : CROME B: Read CPDM Status Report Register GBM IL DSE --- --	DCW2N159	TC	

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	ET=+ UT=+00.00.05	CROME B: Read CPDM Status Register CRMB_CPDM_StatusReg TC Control Flags : <p style="text-align: right;">GBM IL DSE --- -- ---</p> Subsch. ID : 10 Det. descr. : CROME B: Read CPDM Status Register	DCW2P159	TC	
	ET=+ UT=+00.00.05	CROME B: Read RMH Status Register CRMB_RMH_StatusReg TC Control Flags : <p style="text-align: right;">GBM IL DSE --- -- ---</p> Subsch. ID : 10 Det. descr. : CROME B: Read RMH Status Register	DCW2R159	TC	
	ET=+ UT=+00.00.05	CROME B: Read RMH Alarm Status Register CRMB_RMH_AlarmStsReg TC Control Flags : <p style="text-align: right;">GBM IL DSE --- -- ---</p> Subsch. ID : 10 Det. descr. : CROME B: Read RMH Alarm Status Register	DCW2S159	TC	
	ET=+ UT=+00.00.05	CROME B: Read RMH Monitor Status Register CRMB_RMH_MonitorStsReg TC Control Flags : <p style="text-align: right;">GBM IL DSE --- -- ---</p> Subsch. ID : 10 Det. descr. : CROME B: Read RMH Monitor Status Register	DCW2T159	TC	
	ET=+ UT=+00.00.05	CROME B: Read RMH Filtered Alarm Status Register CRMB_RMH_FiltAlrmStsReg TC Control Flags : <p style="text-align: right;">GBM IL DSE --- -- ---</p> Subsch. ID : 10 Det. descr. : CROME B: Read RMH Filtered Alarm Status Register	DCW2U159	TC	
	ET=+ UT=+00.00.05	CROME B: Read RMH LOG Pointer Register CRMB_RMH_LOGPointerReg TC Control Flags : <p style="text-align: right;">GBM IL DSE --- -- ---</p> Subsch. ID : 10 Det. descr. : CROME B: Read RMH LOG Pointer Register	DCW2V159	TC	
	ET=+ UT=+00.00.05	CROME B: Read RMH AT Pointer Register CRMB_RMH_AT_pointerReg TC Control Flags : <p style="text-align: right;">GBM IL DSE --- -- ---</p> Subsch. ID : 10 Det. descr. : CROME B: Read RMH AT Pointer Register	DCW2W159	TC	
	ET=+ UT=+00.00.05	CROME B: Read RMH PAP Pointer Register CRMB_RMH_PAPpointerReg TC Control Flags : <p style="text-align: right;">GBM IL DSE --- -- ---</p> Subsch. ID : 10 Det. descr. : CROME B: Read RMH PAP Pointer Register	DCW2X159	TC	

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	ET=+ UT=+00.00.05	CROME B: Read RMH Attempt Count Register 2 CRMB_RMH_AttmpCntReg2 <i>TC Control Flags :</i> GBM IL DSE --- -- --- <i>Subsch. ID : 10</i> Det. descr. : CROME B: Read RMH Attempt Count Register 2	DCW3L159	TC	
	ET=+ UT=+00.00.05	CROME B: Read RMH Attempt Count Register 3 CRMB_RMH_AttmpCntReg3 <i>TC Control Flags :</i> GBM IL DSE --- -- --- <i>Subsch. ID : 10</i> Det. descr. : CROME B: Read RMH Attempt Count Register 3	DCW3M159	TC	
	ET=+ UT=+00.00.05	CROME B: Read RMH Attempt Count Register 4 CRMB_RMH_AttmpCntReg4 <i>TC Control Flags :</i> GBM IL DSE --- -- --- <i>Subsch. ID : 10</i> Det. descr. : CROME B: Read RMH Attempt Count Register 4	DCW3N159	TC	
	ET=+ UT=+00.00.05	CROME B: Read RMH Attempt Count Register 5 CRMB_RMH_AttmpCntReg5 <i>TC Control Flags :</i> GBM IL DSE --- -- --- <i>Subsch. ID : 10</i> Det. descr. : CROME B: Read RMH Attempt Count Register 5	DCW3P159	TC	
	ET=+ UT=+00.00.05	CROME B: Read RMH Attempt Count Register 6 CRMB_RMH_AttmpCntReg6 <i>TC Control Flags :</i> GBM IL DSE --- -- --- <i>Subsch. ID : 10</i> Det. descr. : CROME B: Read RMH Attempt Count Register 6	DCW3R159	TC	
	ET=+ UT=+00.00.05	CROME B: Read PIO IO Status Register CRMB_PIO_IO_StatusReg <i>TC Control Flags :</i> GBM IL DSE --- -- --- <i>Subsch. ID : 10</i> Det. descr. : CROME B: Read PIO IO Status Register	DCW3S159	TC	
	ET=+ UT=+00.00.05	CROME B: Read SPW Link Status Register CRMB_SPW_LinkStatusReg <i>TC Control Flags :</i> GBM IL DSE --- -- --- <i>Subsch. ID : 10</i> Det. descr. : CROME B: Read SPW Link Status Register	DCW3T159	TC	
	ET=+ UT=+00.00.05	CROME B: Read OB T Control Register CRMB_OBT_Control_Reg <i>TC Control Flags :</i> GBM IL DSE --- -- --- <i>Subsch. ID : 10</i> Det. descr. : CROME B: Read OB T Control Register	DCW3U159	TC	

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	ET=+ UT=+00.00.05	CROME B: Read M1553 Status Register CRMB_M1553_Status_Reg <i>TC Control Flags :</i> <p style="text-align: right;">GBM IL DSE --- -- ---</p> <i>Subsch. ID : 10</i> Det. descr. : CROME B: Read M1553 Status Register	DCW3V159	TC	
18.3		Read main PM_COCOS registers			
	ET=+ UT=+00.00.05	PM COCOS: Read ASG Alarm Mask Register PMC_AsgAlrmMaskReg <i>TC Control Flags :</i> <p style="text-align: right;">GBM IL DSE --- -- ---</p> <i>Subsch. ID : 10</i> Det. descr. : PM COCOS: Read ASG Alarm Mask Register	DCW3W159	TC	
	ET=+ UT=+00.00.05	PM COCOS: Read ASG Interrupt Mask Register PMC_AsgIntrrptMaskReg <i>TC Control Flags :</i> <p style="text-align: right;">GBM IL DSE --- -- ---</p> <i>Subsch. ID : 10</i> Det. descr. : PM COCOS: Read ASG Interrupt Mask Register	DCW3X159	TC	
	ET=+ UT=+00.00.05	PM COCOS: Read CpuIf Configuration Register PMC_CpuIfConfigReg <i>TC Control Flags :</i> <p style="text-align: right;">GBM IL DSE --- -- ---</p> <i>Subsch. ID : 10</i> Det. descr. : PM COCOS: Read CpuIf Configuration Register	DCW3Y159	TC	
	ET=+ UT=+00.00.05	PM COCOS: Read CpuIf Map Register 0 PMC_CpuIfMapRegister0 <i>TC Control Flags :</i> <p style="text-align: right;">GBM IL DSE --- -- ---</p> <i>Subsch. ID : 10</i> Det. descr. : PM COCOS: Read CpuIf Map Register 0	DCW3Z159	TC	
	ET=+ UT=+00.00.05	PM COCOS: Read CpuIf Interrupt Configuration Register 0 PMC_CpuIfIntrrptCfgReg0 <i>TC Control Flags :</i> <p style="text-align: right;">GBM IL DSE --- -- ---</p> <i>Subsch. ID : 10</i> Det. descr. : PM COCOS: Read CpuIf Interrupt Configuration Register 0	DCW40159	TC	
	ET=+ UT=+00.00.05	PM COCOS: Read CpuIf Interrupt Configuration Register 1 PMC_CpuIfIntrrptCfgReg1 <i>TC Control Flags :</i> <p style="text-align: right;">GBM IL DSE --- -- ---</p> <i>Subsch. ID : 10</i> Det. descr. : PM COCOS: Read CpuIf Interrupt Configuration Register 1	DCW41159	TC	

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	ET=+ UT=+00.00.05	PM COCOS: Read CpuIf Interrupt Configuration Register 2 PMC_CpuIfIntrrptCfgReg2 TC Control Flags : <div style="text-align: right;">GBM IL DSE ----</div> Subsch. ID : 10 Det. descr. : PM COCOS: Read CpuIf Interrupt Configuration Register 2	DCW42159	TC	
	ET=+ UT=+00.00.05	PM COCOS: Read CpuIf Interrupt Configuration Register 3 PMC_CpuIfIntrrptCfgReg3 TC Control Flags : <div style="text-align: right;">GBM IL DSE ----</div> Subsch. ID : 10 Det. descr. : PM COCOS: Read CpuIf Interrupt Configuration Register 3	DCW43159	TC	
	ET=+ UT=+00.00.05	PM COCOS: Read CpuIf Interrupt Configuration Register 4 PMC_CpuIfIntrrptCfgReg4 TC Control Flags : <div style="text-align: right;">GBM IL DSE ----</div> Subsch. ID : 10 Det. descr. : PM COCOS: Read CpuIf Interrupt Configuration Register 4	DCW44159	TC	
	ET=+ UT=+00.00.05	PM COCOS: Read IC I/O Status Register PMC_IC_IO_StatusReg TC Control Flags : <div style="text-align: right;">GBM IL DSE ---</div> Subsch. ID : 10 Det. descr. : PM COCOS: Read IC I/O Status Register	DCW45159	TC	
	ET=+ UT=+00.00.05	PM COCOS: Read M1553 Config Register - ModC, BC on S/C bus PMC_M1553CfgRegMabcScBus TC Control Flags : <div style="text-align: right;">GBM IL DSE ---</div> Subsch. ID : 10 Det. descr. : PM COCOS: Read M1553 Config Register - ModC, BC on S/C bus	DCW46159	TC	
	ET=+ UT=+00.00.05	PM COCOS: Read M1553 Status Register - ModA, BC on S/C bus PMC_M1553StsRegMabcScBus TC Control Flags : <div style="text-align: right;">GBM IL DSE ---</div> Subsch. ID : 10 Det. descr. : PM COCOS: Read M1553 Status Register - ModA, BC on S/C bus	DCW47159	TC	
	ET=+ UT=+00.00.05	PM COCOS: Read M1553 Config Register - ModC, BC on Int bus PMC_M1553CfgRegMCbcIntB TC Control Flags : <div style="text-align: right;">GBM IL DSE ---</div> Subsch. ID : 10 Det. descr. : PM COCOS: Read M1553 Config Register - ModC, BC on Int bus	DCW48159	TC	

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Step No.	Time	Activity/Remarks	TC/TLM	Display/ Branch	AIT Comment
	ET=+ UT=+00.00.05	PM COCOS: Read M1553 Status Register - ModC, BC on Int bus PMC_M1553StsRegMCbcIntB TC Control Flags : GBM IL DSE ---- Subsch. ID : 10 Det. descr. : PM COCOS: Read M1553 Status Register - ModC, BC on Int bus	DCW49159	TC	
	ET=+ UT=+00.00.05	PM COCOS: Read OBDH Configuration Register PMC_OBDH_ConfigReg TC Control Flags : GBM IL DSE ---- Subsch. ID : 10 Det. descr. : PM COCOS: Read OBDH Configuration Register	DCW4A159	TC	
	ET=+ UT=+00.00.05	PM COCOS: Read OBDH CT Configuration Register PMC_OBDH_CT_ConfigReg TC Control Flags : GBM IL DSE ---- Subsch. ID : 10 Det. descr. : PM COCOS: Read OBDH CT Configuration Register	DCW4B159	TC	
	ET=+ UT=+00.00.05	PM COCOS: Read OBT Configuration Register PMC_OBT_ConfigReg TC Control Flags : GBM IL DSE ---- Subsch. ID : 10 Det. descr. : PM COCOS: Read OBT Configuration Register	DCW4C159	TC	
	ET=+ UT=+00.00.05	PM COCOS: Read OBT Control Register PMC_OBT_ControlReg TC Control Flags : GBM IL DSE ---- Subsch. ID : 10 Det. descr. : PM COCOS: Read OBT Control Register	DCW4D159	TC	
	ET=+ UT=+00.00.05	PM COCOS: Read OBT Pulse 1 Configuration Register PMC_OBT_Pls1ConfigReg TC Control Flags : GBM IL DSE ---- Subsch. ID : 10 Det. descr. : PM COCOS: Read OBT Pulse 1 Configuration Register	DCW4E159	TC	
	ET=+ UT=+00.00.05	PM COCOS: Read OBT Pulse 1 Duration Register PMC_OBT_Pls1DurationReg TC Control Flags : GBM IL DSE ---- Subsch. ID : 10 Det. descr. : PM COCOS: Read OBT Pulse 1 Duration Register	DCW4F159	TC	

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	ET=+ UT=+00.00.05	PM COCOS: Read OB T Pulse 2 Configuration Register PMC_OBT_Pls2ConfigReg <i>TC Control Flags :</i> GBM IL DSE --- -- --- <i>Subsch. ID : 10</i> Det. descr. : PM COCOS: Read OB T Pulse 2 Configuration Register	DCW4G159	TC	
	ET=+ UT=+00.00.05	PM COCOS: Read OB T Pulse 2 Duration Register PMC_OBT_Pls2DurationReg <i>TC Control Flags :</i> GBM IL DSE --- -- --- <i>Subsch. ID : 10</i> Det. descr. : PM COCOS: Read OB T Pulse 2 Duration Register	DCW4H159	TC	
	ET=+ UT=+00.00.05	PM COCOS: Read OB T Pulse 3 Configuration Register PMC_OBT_Pls3ConfigReg <i>TC Control Flags :</i> GBM IL DSE --- -- --- <i>Subsch. ID : 10</i> Det. descr. : PM COCOS: Read OB T Pulse 3 Configuration Register	DCW4J159	TC	
	ET=+ UT=+00.00.05	PM COCOS: Read OB T Pulse 3 Duration Register PMC_OBT_Pls3DurationReg <i>TC Control Flags :</i> GBM IL DSE --- -- --- <i>Subsch. ID : 10</i> Det. descr. : PM COCOS: Read OB T Pulse 3 Duration Register	DCW4K159	TC	
	ET=+ UT=+00.00.05	PM COCOS: Read OB T Pulse 4 Configuration Register PMC_OBT_Pls4ConfigReg <i>TC Control Flags :</i> GBM IL DSE --- -- --- <i>Subsch. ID : 10</i> Det. descr. : PM COCOS: Read OB T Pulse 4 Configuration Register	DCW4L159	TC	
	ET=+ UT=+00.00.05	PM COCOS: Read OB T Pulse 4 Duration Register PMC_OBT_Pls4DurationReg <i>TC Control Flags :</i> GBM IL DSE --- -- --- <i>Subsch. ID : 10</i> Det. descr. : PM COCOS: Read OB T Pulse 4 Duration Register	DCW4M159	TC	
	ET=+ UT=+00.00.05	PM COCOS: Read PWR InputConfigRegister (ModA receiver, to TTR-A) PMC_PWRinpCfgRegMatoTTRA <i>TC Control Flags :</i> GBM IL DSE --- -- --- <i>Subsch. ID : 10</i> Det. descr. : PM COCOS: Read PWR InputConfigRegister (ModA receiver, to TTR-A)	DCW4N159	TC	

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	ET=+ UT=+00.00.05	PM COCOS: Read PWR InputConfigRegister (ModB receiver, to TTR-B) PMC_PWRinpCfgRegMBtoTTRB TC Control Flags : GBM IL DSE ---- Subsch. ID : 10 Det. descr. : PM COCOS: Read PWR InputConfigRegister (ModB receiver, to TTR-B)	DCW4P159	TC	
	ET=+ UT=+00.00.05	PM COCOS: Read PIM Enable Arm Register PMC_PIM_EnableArmReg TC Control Flags : GBM IL DSE ---- Subsch. ID : 10 Det. descr. : PM COCOS: Read PIM Enable Arm Register	DCW4R159	TC	
	ET=+ UT=+00.00.05	PM COCOS: Read PIM Config Arm Register PMC_PIM_ConfigArmReg TC Control Flags : GBM IL DSE ---- Subsch. ID : 10 Det. descr. : PM COCOS: Read PIM Config Arm Register	DCW4S159	TC	
	ET=+ UT=+00.00.05	PM COCOS: Read PIM Config Register PMC_PIM_ConfigReg TC Control Flags : GBM IL DSE ---- Subsch. ID : 10 Det. descr. : PM COCOS: Read PIM Config Register	DCW4T159	TC	
	ET=+ UT=+00.00.05	PM COCOS: Read PIM Status Register PMC_PIM_StatusReg TC Control Flags : GBM IL DSE ---- Subsch. ID : 10 Det. descr. : PM COCOS: Read PIM Status Register	DCW4U159	TC	
	ET=+ UT=+00.00.05	PM COCOS: Read SPW A CfgReg (TransfDataOnVC0-1-4;SGM R/WonTTR-A) PMC_SPWA_ConfigReg-VC TC Control Flags : GBM IL DSE ---- Subsch. ID : 10 Det. descr. : PM COCOS: Read SPW A CfgReg (TransfDataOnVC0-1-4;SGM R/WonTTR-A)	DCW4V159	TC	
	ET=+ UT=+00.00.05	PM COCOS: Read SPW A SSEPPL Configuration Register PMC_SPWA_SSEPPLcfgReg TC Control Flags : GBM IL DSE ---- Subsch. ID : 10 Det. descr. : PM COCOS: Read SPW A SSEPPL Configuration Register	DCW4W159	TC	
	ET=+ UT=+00.00.05	PM COCOS: Read SPW A Status Register PMC_SPWA_StatusReg TC Control Flags : GBM IL DSE ---- Subsch. ID : 10 Det. descr. : PM COCOS: Read SPW A Status Register	DCW4X159	TC	

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	ET=+ UT=+00.00.05	PM COCOS: Read SPW A SSEPPL Status Register PMC_SPWA_SSEPPLstsReg TC Control Flags : GBM IL DSE --- -- --- Subsch. ID : 10 Det. descr. : PM COCOS: Read SPW A SSEPPL Status Register	DCW4Y159	TC	
	ET=+ UT=+00.00.05	PM COCOS: Read SPW B CfgReg (TransfDataOnVC0-1-4;SGM R/WonTTR-B) PMC_SPWB_ConfigReg-VC TC Control Flags : GBM IL DSE --- -- --- Subsch. ID : 10 Det. descr. : PM COCOS: Read SPW B CfgReg (TransfDataOnVC0-1-4;SGM R/WonTTR-B)	DCW4Z159	TC	
	ET=+ UT=+00.00.05	PM COCOS: Read SPW B SSEPPL Configuration Register PMC_SPWB_SSEPPLcfgReg TC Control Flags : GBM IL DSE --- -- --- Subsch. ID : 10 Det. descr. : PM COCOS: Read SPW B SSEPPL Configuration Register	DCW50159	TC	
	ET=+ UT=+00.00.05	PM COCOS: Read SPW B Status Register PMC_SPWB_StatusReg TC Control Flags : GBM IL DSE --- -- --- Subsch. ID : 10 Det. descr. : PM COCOS: Read SPW B Status Register	DCW51159	TC	
	ET=+ UT=+00.00.05	PM COCOS: Read SPW B SSEPPL Status Register PMC_SPWB_SSEPPLstsReg TC Control Flags : GBM IL DSE --- -- --- Subsch. ID : 10 Det. descr. : PM COCOS: Read SPW B SSEPPL Status Register	DCW52159	TC	
	ET=+ UT=+00.00.05	PM COCOS: Read SPW C ConfigReg (for R/W operations on SSMM-A) PMC_SPWC_CfgReg-RWonMMA TC Control Flags : GBM IL DSE --- -- --- Subsch. ID : 10 Det. descr. : PM COCOS: Read SPW C ConfigReg (for R/W operations on SSMM-A)	DCW53159	TC	
	ET=+ UT=+00.00.05	PM COCOS: Read SPW C SSEPPL Configuration Register PMC_SPWC_SSEPPLcfgReg TC Control Flags : GBM IL DSE --- -- --- Subsch. ID : 10 Det. descr. : PM COCOS: Read SPW C SSEPPL Configuration Register	DCW54159	TC	

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	ET=+ UT=+00.00.05	SSMM COCOS A: Read PIM SDRAM Mode, PIM_SDM MMCA_PIM_SDRAM_Mode TC Control Flags : Subschr. ID : 10 Det. descr. : SSMM COCOS A: Read PIM SDRAM Mode, PIM_SDM GBM IL DSE --- -- ---	DCW68159	TC	
	ET=+ UT=+00.00.05	SSMM COCOS A: Read PIM SDRAM Refresh Rate, PIM_SDRR MMCA_PIM_SDRAM_RfrshRate TC Control Flags : Subschr. ID : 10 Det. descr. : SSMM COCOS A: Read PIM SDRAM Refresh Rate, PIM_SDRR GBM IL DSE --- -- ---	DCW69159	TC	
	ET=+ UT=+00.00.05	SSMM COCOS A: Read PIM SDRAM Configuration, PIM_SDC MMCA_PIM_SDRAM_Config TC Control Flags : Subschr. ID : 10 Det. descr. : SSMM COCOS A: Read PIM SDRAM Configuration, PIM_SDC GBM IL DSE --- -- ---	DCW6A159	TC	
	ET=+ UT=+00.00.05	SSMM COCOS A: Read PIM Scrubbing Configuration, PIM_ScuCNFR MMCA_PIM_ScrubbingConfig TC Control Flags : Subschr. ID : 10 Det. descr. : SSMM COCOS A: Read PIM Scrubbing Configuration, PIM_ScuCNFR GBM IL DSE --- -- ---	DCW6B159	TC	
	ET=+ UT=+00.00.05	SSMM COCOS A: Read PIM Configuration, PIM_CR MMCA_PIM_Configuration TC Control Flags : Subschr. ID : 10 Det. descr. : SSMM COCOS A: Read PIM Configuration, PIM_CR GBM IL DSE --- -- ---	DCW6C159	TC	
	ET=+ UT=+00.00.05	SSMM COCOS A: Read SPW A Config Reg (to transf data to/from PMA) MMCA_SPWA_ConfigReg-PMA TC Control Flags : Subschr. ID : 10 Det. descr. : SSMM COCOS A: Read SPW A Config Reg (to transf data to/from PMA) GBM IL DSE --- -- ---	DCW6D159	TC	
	ET=+ UT=+00.00.05	SSMM COCOS A: Read SPW A SSEPPL Configuration Register MMCA_SPWA_SSEPPLcfgReg TC Control Flags : Subschr. ID : 10 Det. descr. : SSMM COCOS A: Read SPW A SSEPPL Configuration Register GBM IL DSE --- -- ---	DCW6E159	TC	

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	ET=+ UT=+00.00.05	SSMM COCOS B: Read PWT B OutConfigReg - ModB Transmitter, to VC3 MMCBPWTBoutCfgRegMBtoVC3 TC Control Flags : <div style="text-align: right;">GBM IL DSE ----</div> Subsch. ID : 10 Det. descr. : SSMM COCOS B: Read PWT B OutConfigReg - ModB Transmitter, to VC3	DCW72159	TC	
	ET=+ UT=+00.00.05	SSMM COCOS B: Read PWT B Clock Configuration Register MMCB_PWTBclockConfigReg TC Control Flags : <div style="text-align: right;">GBM IL DSE ----</div> Subsch. ID : 10 Det. descr. : SSMM COCOS B: Read PWT B Clock Configuration Register	DCW73159	TC	
	ET=+ UT=+00.00.05	SSMM COCOS B: Read PWT B Packet Delay Configuration Register MMCB_PWTBpktDelayCfgReg TC Control Flags : <div style="text-align: right;">GBM IL DSE ----</div> Subsch. ID : 10 Det. descr. : SSMM COCOS B: Read PWT B Packet Delay Configuration Register	DCW74159	TC	
	ET=+ UT=+00.00.05	SSMM COCOS B: Read PIM Status Register MMCB_PIM_StatusReg TC Control Flags : <div style="text-align: right;">GBM IL DSE ----</div> Subsch. ID : 10 Det. descr. : SSMM COCOS B: Read PIM Status Register	DCW75159	TC	
	ET=+ UT=+00.00.05	SSMM COCOS B: Read PIM Munit Parameter Register, PIM_MPRBank0 MMCB_PIM_MPRBank0 TC Control Flags : <div style="text-align: right;">GBM IL DSE ----</div> Subsch. ID : 10 Det. descr. : SSMM COCOS B: Read PIM Munit Parameter Register, PIM_MPRBank0	DCW76159	TC	
	ET=+ UT=+00.00.05	SSMM COCOS B: Read PIM_MPRBank1 MMCB_PIM_MPRBank1 TC Control Flags : <div style="text-align: right;">GBM IL DSE ----</div> Subsch. ID : 10 Det. descr. : SSMM COCOS B: Read PIM_MPRBank1	DCW77159	TC	
	ET=+ UT=+00.00.05	SSMM COCOS B: Read PIM_MPRBank2 MMCB_PIM_MPRBank2 TC Control Flags : <div style="text-align: right;">GBM IL DSE ----</div> Subsch. ID : 10 Det. descr. : SSMM COCOS B: Read PIM_MPRBank2	DCW78159	TC	

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	ET=+ UT=+00.00.05	SSMM COCOS B: Read PIM_MPRBank3 MMCB_PIM_MPRBank3 TC Control Flags : Subsch. ID : 10 Det. descr. : SSMM COCOS B: Read PIM_MPRBank3	DCW79159	TC	
	ET=+ UT=+00.00.05	SSMM COCOS B: Read PIM MUnit Address Low, PIM_MALBank0 MMCB_PIM_MALBank0 TC Control Flags : Subsch. ID : 10 Det. descr. : SSMM COCOS B: Read PIM MUnit Address Low, PIM_MALBank0	DCW7A159	TC	
	ET=+ UT=+00.00.05	SSMM COCOS B: Read PIM MUnit Address High, PIM_MAHBank0 MMCB_PIM_MAHBank0 TC Control Flags : Subsch. ID : 10 Det. descr. : SSMM COCOS B: Read PIM MUnit Address High, PIM_MAHBank0	DCW7B159	TC	
	ET=+ UT=+00.00.05	SSMM COCOS B: Read PIM_MALBank1 MMCB_PIM_MALBank1 TC Control Flags : Subsch. ID : 10 Det. descr. : SSMM COCOS B: Read PIM_MALBank1	DCW7C159	TC	
	ET=+ UT=+00.00.05	SSMM COCOS B: Read PIM_MAHBank1 MMCB_PIM_MAHBank1 TC Control Flags : Subsch. ID : 10 Det. descr. : SSMM COCOS B: Read PIM_MAHBank1	DCW7D159	TC	
	ET=+ UT=+00.00.05	SSMM COCOS B: Read PIM_MALBank2 MMCB_PIM_MALBank2 TC Control Flags : Subsch. ID : 10 Det. descr. : SSMM COCOS B: Read PIM_MALBank2	DCW7E159	TC	
	ET=+ UT=+00.00.05	SSMM COCOS B: Read PIM_MAHBank2 MMCB_PIM_MAHBank2 TC Control Flags : Subsch. ID : 10 Det. descr. : SSMM COCOS B: Read PIM_MAHBank2	DCW7F159	TC	
	ET=+ UT=+00.00.05	SSMM COCOS B: Read PIM_MALBank3 MMCB_PIM_MALBank3 TC Control Flags : Subsch. ID : 10 Det. descr. : SSMM COCOS B: Read PIM_MALBank3	DCW7G159	TC	

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	ET=+ UT=+00.00.05	SSMM COCOS B: Read SPW A SSEPPL Configuration Register MMCB_SPWA_SSEPPLcfgReg <i>TC Control Flags :</i> GBM IL DSE --- -- --- <i>Subsch. ID : 10</i> Det. descr. : SSMM COCOS B: Read SPW A SSEPPL Configuration Register	DCW7R159	TC	
	ET=+ UT=+00.00.05	SSMM COCOS B: Read SPW A Status Register MMCB_SPWA_StatusReg <i>TC Control Flags :</i> GBM IL DSE --- -- --- <i>Subsch. ID : 10</i> Det. descr. : SSMM COCOS B: Read SPW A Status Register	DCW7S159	TC	
	ET=+ UT=+00.00.05	SSMM COCOS B: Read SPW A SSEPPL Status Register MMCB_SPWA_SSEPPLstsReg <i>TC Control Flags :</i> GBM IL DSE --- -- --- <i>Subsch. ID : 10</i> Det. descr. : SSMM COCOS B: Read SPW A SSEPPL Status Register	DCW7T159	TC	
	ET=+ UT=+00.00.05	SSMM COCOS B: Read SPW B Config Reg (to transf data to/from PMB) MMCB_SPWB_ConfigReg-PMB <i>TC Control Flags :</i> GBM IL DSE --- -- --- <i>Subsch. ID : 10</i> Det. descr. : SSMM COCOS B: Read SPW B Config Reg (to transf data to/from PMB)	DCW7U159	TC	
	ET=+ UT=+00.00.05	SSMM COCOS B: Read SPW B SSEPPL Configuration Register MMCB_SPWB_SSEPPLcfgReg <i>TC Control Flags :</i> GBM IL DSE --- -- --- <i>Subsch. ID : 10</i> Det. descr. : SSMM COCOS B: Read SPW B SSEPPL Configuration Register	DCW7V159	TC	
	ET=+ UT=+00.00.05	SSMM COCOS B: Read SPW B Status Register MMCB_SPWB_StatusReg <i>TC Control Flags :</i> GBM IL DSE --- -- --- <i>Subsch. ID : 10</i> Det. descr. : SSMM COCOS B: Read SPW B Status Register	DCW7W159	TC	
	ET=+ UT=+00.00.05	SSMM COCOS B: Read SPW B SSEPPL Status Register MMCB_SPWB_SSEPPLstsReg <i>TC Control Flags :</i> GBM IL DSE --- -- --- <i>Subsch. ID : 10</i> Det. descr. : SSMM COCOS B: Read SPW B SSEPPL Status Register	DCW7X159	TC	

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Step No.	Time	Activity/Remarks	TC/TLM	Display/ Branch	AIT Comment
	ET=+ UT=+00.00.05	Execute Telecommand StopTtrManag Subsch. ID : 10 Det. descr. : Stop Ttr Management TC(8,2,109)	DCN07170	TC	
18.6		Perform CPU System register dumps			
18.6.1		System Control Register			
		System Control Register [SYSCTR]:			
	ET=+ UT=+00.00.05	Execute Telecommand DumpMem_AbsAddr Command Parameter(s) : Memory_ID DH003180 Start_Address DH004180 N DH105180 TC Control Flags : GBM IL DSE ---- Subsch. ID : 10 Det. descr. : Dump Memory Using Absolute Addresses	DC602180	TC	
18.6.2		Memory Configuration Register			
		Memory Configuration Register [MCNFR]:			
	ET=+ UT=+00.00.05	Execute Telecommand DumpMem_AbsAddr Command Parameter(s) : Memory_ID DH003180 Start_Address DH004180 N DH105180 TC Control Flags : GBM IL DSE ---- Subsch. ID : 10 Det. descr. : Dump Memory Using Absolute Addresses	DC602180	TC	
18.6.3		I/O Configuration Register			
		I/O Configuration Register [IOCNFR]:			

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	ET=+ UT=+00.00.05	Execute Telecommand DumpMem_AbsAddr Command Parameter(s) : Memory_ID DH003180 Start_Address DH004180 N DH105180 TC Control Flags : GBM IL DSE ---- Subsch. ID : 10 Det. descr. : Dump Memory Using Absolute Addresses	DC602180	TC	
18.6.4		Waitstate Configuration Register			
		Waitstate Configuration Register [WSCNFR]:			
	ET=+ UT=+00.00.05	Execute Telecommand DumpMem_AbsAddr Command Parameter(s) : Memory_ID DH003180 Start_Address DH004180 N DH105180 TC Control Flags : GBM IL DSE ---- Subsch. ID : 10 Det. descr. : Dump Memory Using Absolute Addresses	DC602180	TC	
18.6.5		Access Protection Segment 1 Base Register			
		Access Protection Segment 1 Base Register [APS1BR]:			
	ET=+ UT=+00.00.05	Execute Telecommand DumpMem_AbsAddr Command Parameter(s) : Memory_ID DH003180 Start_Address DH004180 N DH105180 TC Control Flags : GBM IL DSE ---- Subsch. ID : 10 Det. descr. : Dump Memory Using Absolute Addresses	DC602180	TC	
18.6.6		Access Protection Segment 1 End Register			
		Access Protection Segment 1 End Register [APS1ER]:			

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	ET+= UT+=00.00.05	Execute Telecommand DumpMem_AbsAddr Command Parameter(s) : Memory_ID DH003180 Start_Address DH004180 N DH105180 TC Control Flags : GBM IL DSE ---- Subsch. ID : 10 Det. descr. : Dump Memory Using Absolute Addresses	DC602180	TC	
18.6.7		Access Protection Segment 2 Base Register			
		Access Protection Segment 2 Base Register [APS2BR]:			
	ET+= UT+=00.00.05	Execute Telecommand DumpMem_AbsAddr Command Parameter(s) : Memory_ID DH003180 Start_Address DH004180 N DH105180 TC Control Flags : GBM IL DSE ---- Subsch. ID : 10 Det. descr. : Dump Memory Using Absolute Addresses	DC602180	TC	
18.6.8		Access Protection Segment 2 End Register			
		Access Protection Segment 2 End Register [APS2ER]:			
	ET+= UT+=00.00.05	Execute Telecommand DumpMem_AbsAddr Command Parameter(s) : Memory_ID DH003180 Start_Address DH004180 N DH105180 TC Control Flags : GBM IL DSE ---- Subsch. ID : 10 Det. descr. : Dump Memory Using Absolute Addresses	DC602180	TC	
18.6.9		Interrupt Shape Register			
		Interrupt Shape Register [INTSHR]:			

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	ET+= UT+=00.00.05	Execute Telecommand DumpMem_AbsAddr Command Parameter(s) : Memory_ID DH003180 Start_Address DH004180 N DH105180 TC Control Flags : GBM IL DSE ---- Subsch. ID : 10 Det. descr. : Dump Memory Using Absolute Addresses	DC602180	TC	
18.6.10		Interrupt Pending Register			
		Interrupt Pending Register [INTPDR]:			
	ET+= UT+=00.00.05	Execute Telecommand DumpMem_AbsAddr Command Parameter(s) : Memory_ID DH003180 Start_Address DH004180 N DH105180 TC Control Flags : GBM IL DSE ---- Subsch. ID : 10 Det. descr. : Dump Memory Using Absolute Addresses	DC602180	TC	
18.6.11		Interrupt Mask Register			
		Interrupt Mask Register [INTMKR]:			
	ET+= UT+=00.00.05	Execute Telecommand DumpMem_AbsAddr Command Parameter(s) : Memory_ID DH003180 Start_Address DH004180 N DH105180 TC Control Flags : GBM IL DSE ---- Subsch. ID : 10 Det. descr. : Dump Memory Using Absolute Addresses	DC602180	TC	
18.6.12		Interrupt Force Register			
		Interrupt Force Register [INTFCR]:			

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	ET+= UT+=00.00.05	Execute Telecommand DumpMem_AbsAddr Command Parameter(s) : Memory_ID DH003180 Start_Address DH004180 N DH105180 TC Control Flags : GBM IL DSE --- -- -- Subsch. ID : 10 Det. descr. : Dump Memory Using Absolute Addresses	DC602180	TC	
18.6.13		Watchdog Timer Register			
		Watchdog Timer Register [WDOGTR]:			
	ET+= UT+=00.00.05	Execute Telecommand DumpMem_AbsAddr Command Parameter(s) : Memory_ID DH003180 Start_Address DH004180 N DH105180 TC Control Flags : GBM IL DSE --- -- -- Subsch. ID : 10 Det. descr. : Dump Memory Using Absolute Addresses	DC602180	TC	
18.6.14		Real Time Clock Timer Counter Register			
		Real Time Clock Timer Counter Register [RTCCR]:			
	ET+= UT+=00.00.05	Execute Telecommand DumpMem_AbsAddr Command Parameter(s) : Memory_ID DH003180 Start_Address DH004180 N DH105180 TC Control Flags : GBM IL DSE --- -- -- Subsch. ID : 10 Det. descr. : Dump Memory Using Absolute Addresses	DC602180	TC	
18.6.15		Real Time Clock Timer Scaler Register			
		Real Time Clock Timer Scaler Register [RTCSR]:			

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	ET+= UT+=00.00.05	Execute Telecommand DumpMem_AbsAddr Command Parameter(s) : Memory_ID DH003180 Start_Address DH004180 N DH105180 TC Control Flags : GBM IL DSE --- -- Subsch. ID : 10 Det. descr. : Dump Memory Using Absolute Addresses	DC602180	TC	
18.6.16		General Purpose Timer Counter Register			
		General Purpose Timer Counter Register [GPTCR]:			
	ET+= UT+=00.00.05	Execute Telecommand DumpMem_AbsAddr Command Parameter(s) : Memory_ID DH003180 Start_Address DH004180 N DH105180 TC Control Flags : GBM IL DSE --- -- Subsch. ID : 10 Det. descr. : Dump Memory Using Absolute Addresses	DC602180	TC	
18.6.17		General Purpose Timer Scaler Register			
		General Purpose Timer Scaler Register [GPTSR]:			
	ET+= UT+=00.00.05	Execute Telecommand DumpMem_AbsAddr Command Parameter(s) : Memory_ID DH003180 Start_Address DH004180 N DH105180 TC Control Flags : GBM IL DSE --- -- Subsch. ID : 10 Det. descr. : Dump Memory Using Absolute Addresses	DC602180	TC	
18.6.18		Timers Control Register			
		Timers Control Register [TIMCTR]:			

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	ET+= UT+=00.00.05	Execute Telecommand DumpMem_AbsAddr Command Parameter(s) : Memory_ID DH003180 Start_Address DH004180 N DH105180 TC Control Flags : GBM IL DSE --- -- Subsch. ID : 10 Det. descr. : Dump Memory Using Absolute Addresses	DC602180	TC	
18.6.19		System Fault Status Register			
		System Fault Status Register [SYSFSR]:			
	ET+= UT+=00.00.05	Execute Telecommand DumpMem_AbsAddr Command Parameter(s) : Memory_ID DH003180 Start_Address DH004180 N DH105180 TC Control Flags : GBM IL DSE --- -- Subsch. ID : 10 Det. descr. : Dump Memory Using Absolute Addresses	DC602180	TC	
18.6.20		Failing Address Register			
		Failing Address Register [FAILAR]:			
	ET+= UT+=00.00.05	Execute Telecommand DumpMem_AbsAddr Command Parameter(s) : Memory_ID DH003180 Start_Address DH004180 N DH105180 TC Control Flags : GBM IL DSE --- -- Subsch. ID : 10 Det. descr. : Dump Memory Using Absolute Addresses	DC602180	TC	
18.6.21		General Purpose Interface Configuration Register			
		General Purpose Interface Configuration Register [GPICNFR]:			

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Step No.	Time	Activity/Remarks	TC/TLM	Display/ Branch	AIT Comment
	ET=+ UT=+00.00.05	Execute Telecommand DumpMem_AbsAddr Command Parameter(s) : Memory_ID DH003180 Start_Address DH004180 N DH105180 Subsch. ID : 10 Det. descr. : Dump Memory Using Absolute Addresses	DC602180	TC	
18.6.22		General Purpose Interface Data Register			
		General Purpose Interface Data Register [GPIDATR]:			
	ET=+ UT=+00.00.05	Execute Telecommand DumpMem_AbsAddr Command Parameter(s) : Memory_ID DH003180 Start_Address DH004180 N DH105180 Subsch. ID : 10 Det. descr. : Dump Memory Using Absolute Addresses	DC602180	TC	
18.6.23		Error & Reset Status Register			
		Error & Reset Status Register [ERRRSR]:			
	ET=+ UT=+00.00.05	Execute Telecommand DumpMem_AbsAddr Command Parameter(s) : Memory_ID DH003180 Start_Address DH004180 N DH105180 Subsch. ID : 10 Det. descr. : Dump Memory Using Absolute Addresses	DC602180	TC	
18.6.24		Test Control Register			
		Test Control Register [TESCTR]:			
	ET=+ UT=+00.00.05	Execute Telecommand DumpMem_AbsAddr Command Parameter(s) : Memory_ID DH003180 Start_Address DH004180 N DH105180 Subsch. ID : 10 Det. descr. : Dump Memory Using Absolute Addresses	DC602180	TC	
18.6.25		UART Status Register			

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Step No.	Time	Activity/Remarks	TC/TLM	Display/ Branch	AIT Comment
		UART Status Register [UARTSR]:			
	ET=+ UT=+00.00.05	Execute Telecommand DumpMem_AbsAddr Command Parameter(s) : Memory_ID DH003180 Start_Address DH004180 N DH105180 Subsch. ID : 10 Det. descr. : Dump Memory Using Absolute Addresses	DC602180	TC	
19		Dump OBCPs code		Next Step: 20	
19.1		Dump code for OBCP Id 1			
		ObcP Id 1 is H_MODE_PL_SC			
	ET=+ UT=+00.00.30	Execute Telecommand DumpObcP Command Parameter(s) : ObcPId DH135170 Subsch. ID : 10 Det. descr. : TEMPLATE DumpOBCP TC(18,14)	DCT79170	TC	
19.2		Dump code for OBCP Id 4354			
		ObcP Id 4354 is H_SPIRE_DRCU_OFF			
	ET=+ UT=+00.01.00	Execute Telecommand DumpObcP Command Parameter(s) : ObcPId DH135170 Subsch. ID : 10 Det. descr. : TEMPLATE DumpOBCP TC(18,14)	DCT79170	TC	
19.3		Dump code for OBCP Id 4355			
		ObcP Id 4355 is H_SPIRE_OFF			
	ET=+ UT=+00.01.00	Execute Telecommand DumpObcP Command Parameter(s) : ObcPId DH135170 Subsch. ID : 10 Det. descr. : TEMPLATE DumpOBCP TC(18,14)	DCT79170	TC	

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Step No.	Time	Activity/Remarks	TC/TLM	Display/ Branch	AIT Comment
		Obcp Id 4616 is H_PACS_SAFE			
	ET+= UT+=00.01.00	Execute Telecommand DumpObcp Command Parameter(s) : ObcpId DH135170 Subsch. ID : 10 Det. descr. : TEMPLATE DumpOBCP TC(18,14)	DCT79170	TC	
19.9		Dump code for OBCP Id 4618			
		Obcp Id 4618 is H_PACS_POWER_CYCLE			
	ET+= UT+=00.01.00	Execute Telecommand DumpObcp Command Parameter(s) : ObcpId DH135170 Subsch. ID : 10 Det. descr. : TEMPLATE DumpOBCP TC(18,14)	DCT79170	TC	
19.10		Dump code for OBCP Id 4619			
		Obcp Id 4619 is H_PACS_IMMEDIATE_OFF			
	ET+= UT+=00.01.00	Execute Telecommand DumpObcp Command Parameter(s) : ObcpId DH135170 Subsch. ID : 10 Det. descr. : TEMPLATE DumpOBCP TC(18,14)	DCT79170	TC	
19.11		Dump code for OBCP Id 4620			
		Obcp Id 4620 is H_PACS_NORMAL_OFF			
	ET+= UT+=00.01.00	Execute Telecommand DumpObcp Command Parameter(s) : ObcpId DH135170 Subsch. ID : 10 Det. descr. : TEMPLATE DumpOBCP TC(18,14)	DCT79170	TC	
19.12		Dump code for OBCP Id 4877			
		Obcp Id 4877 is H_HIFI_RESET			

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Step No.	Time	Activity/Remarks	TC/TLM	Display/ Branch	AIT Comment
	ET=+ UT=+00.01.00	Execute Telecommand DumpObcp <i>Command Parameter(s) :</i> ObcpId DH135170 4877 <dec> Subsch. ID : 10 Det. descr. : TEMPLATE DumpOBBCP TC(18,14)	DCT79170	TC	
19.13		Dump code for OBCP Id 4878			
		Obcp Id 4878 is H_HIFI_STANDBY			
	ET=+ UT=+00.01.00	Execute Telecommand DumpObcp <i>Command Parameter(s) :</i> ObcpId DH135170 4878 <dec> Subsch. ID : 10 Det. descr. : TEMPLATE DumpOBBCP TC(18,14)	DCT79170	TC	
19.14		Dump code for OBCP Id 36864			
		Obcp Id 36864 is H_PACS_normal_off			
	ET=+ UT=+00.01.00	Execute Telecommand DumpObcp <i>Command Parameter(s) :</i> ObcpId DH135170 36864 <dec> Subsch. ID : 10 Det. descr. : TEMPLATE DumpOBBCP TC(18,14)	DCT79170	TC	
19.15		Dump code for OBCP Id 36879			
		Obcp Id 36879 is H_PACS_switch_on_CSS			
	ET=+ UT=+00.01.00	Execute Telecommand DumpObcp <i>Command Parameter(s) :</i> ObcpId DH135170 36879 <dec> Subsch. ID : 10 Det. descr. : TEMPLATE DumpOBBCP TC(18,14)	DCT79170	TC	
End of Sequence					
HFDSTRTB TC Seq. Name : HFDSTRTB (Dump SEL and CEL) TimeTag Type: N Sub Schedule ID: <input type="checkbox"/>					
20		Dump CEL SSMM A		Next Step: 21	

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Step No.	Time	Activity/Remarks	TC/TLM	Display/ Branch	AIT Comment
		Execute Telecommand DownlinkPktStoreCont_E Command Parameter(s) : Store_Id DH003160 N1 DH004160 TC Control Flags : GBM IL DSE --Y -- --- Subsch. ID : 10 Det. descr. : Downlink Packet Store Contents. - SUM(N1+N2) even.	DC161160 127 <dec> 0 <dec>	TC	
21		Dump CEL SSMM B		Next Step: 22	
		Execute Telecommand DownlinkPktStoreCont_E Command Parameter(s) : Store_Id DH003160 N1 DH004160 TC Control Flags : GBM IL DSE --Y -- --- Subsch. ID : 10 Det. descr. : Downlink Packet Store Contents. - SUM(N1+N2) even.	DC161160 255 <dec> 0 <dec>	TC	
22		Dump SEL SSMM A		Next Step: 23	
		Execute Telecommand DownlinkPktStoreCont_E Command Parameter(s) : Store_Id DH003160 N1 DH004160 TC Control Flags : GBM IL DSE --Y -- --- Subsch. ID : 10 Det. descr. : Downlink Packet Store Contents. - SUM(N1+N2) even.	DC161160 1 <dec> 0 <dec>	TC	
End of Sequence					
HFDSTRTC TC Seq. Name : HFDSTRTC (Delete CELs) TimeTag Type: N Sub Schedule ID: Formal Parameter List : End_Time CELAdelT= End_Time CELBdelT= =					
23		DELETE CEL A and B after CEL dump is complete		Next Step: END	
		For each CEL : set the delete time at the time that CEL "downlink packet store" TC was sent			

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Step No.	Time	Activity/Remarks	TC/TLM	Display/ Branch	AIT Comment																		
		<p style="text-align: center;">DelPktStoreContents</p> <p><i>Command Parameter(s) :</i></p> <table style="width: 100%; border: none;"> <tr> <td style="width: 30%;">End_Time</td> <td style="width: 20%;">DH063160</td> <td style="width: 20%;">CELAdelT</td> <td style="width: 30%;">1 <dec> (Def)</td> </tr> <tr> <td>N</td> <td>DH002160</td> <td></td> <td>127 <dec></td> </tr> <tr> <td>Store_Id</td> <td>DH003160</td> <td></td> <td></td> </tr> </table> <p><i>TC Control Flags :</i></p> <table style="width: 100%; border: none;"> <tr> <td style="width: 60%;"></td> <td style="width: 20%; text-align: center;">GBM IL DSE</td> <td style="width: 20%;"></td> </tr> <tr> <td></td> <td style="text-align: center;">--Y -- ---</td> <td></td> </tr> </table> <p><i>Subsch. ID : 10</i> <i>Det. descr. : Delete Packet Stores Contents up to Specified Storage Time</i></p>	End_Time	DH063160	CELAdelT	1 <dec> (Def)	N	DH002160		127 <dec>	Store_Id	DH003160				GBM IL DSE			--Y -- ---		DC167160	TC	
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