

Default packet store catalogues.
 File: H_FCP_DHS_1006.xls
 Author: S. Manganelli



Procedure Summary

Objectives

Type Objectives Here

Summary of Constraints

n/a

Spacecraft Configuration

Start of Procedure

Type Pre-condition Here

End of Procedure

Type Post-condition Here

Reference File(s)

Input Command Sequences

Output Command Sequences

HFD1006

Referenced Displays

ANDs **GRDs** **SLDs**
 ZAD22999

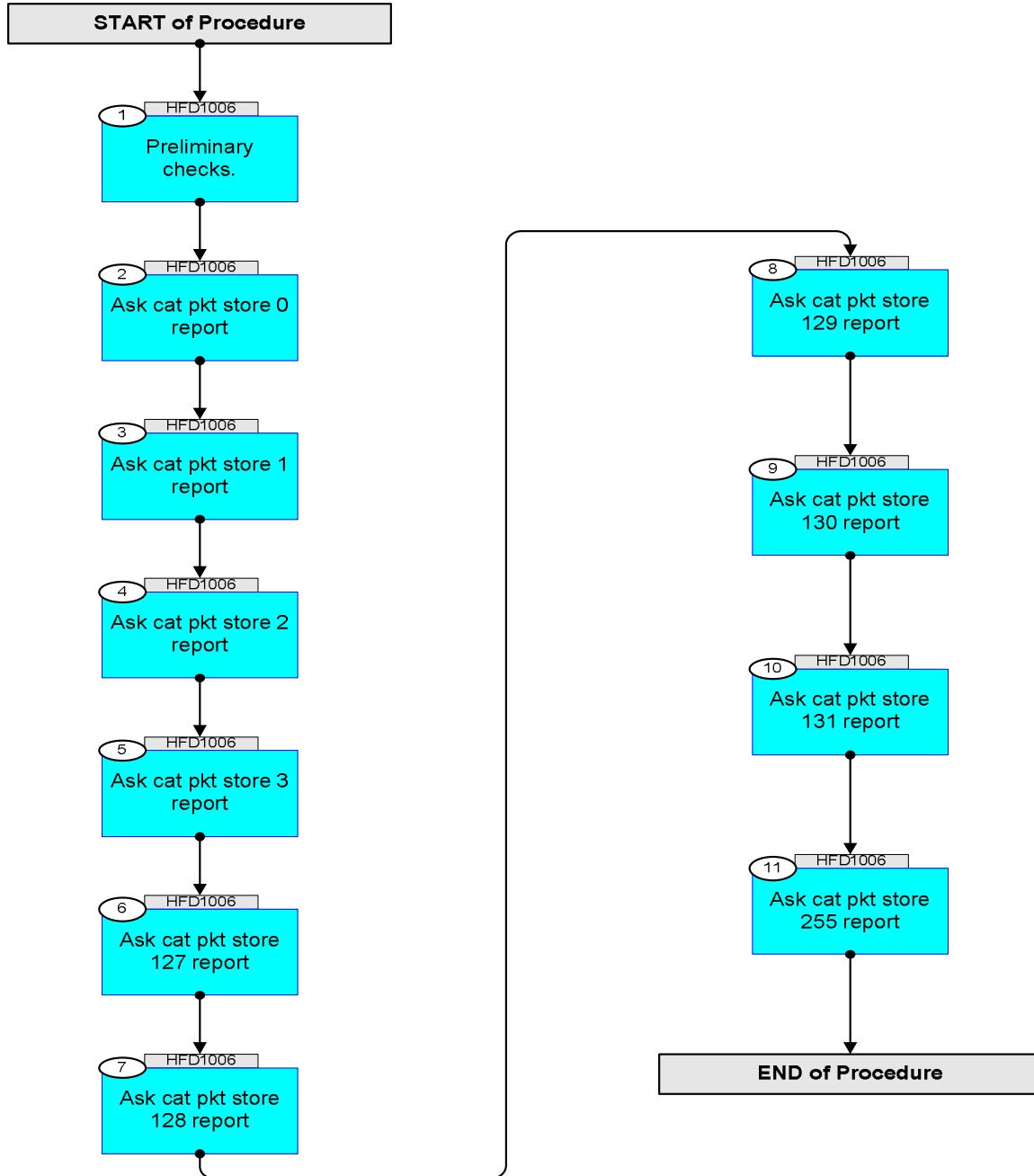
Configuration Control Information

DATE	FOP ISSUE	VERSION	MODIFICATION DESCRIPTION	AUTHOR	SPR REF
28/11/07		1	Created	cmevi-hp	
28/11/07		2	Description modified.	cmevi-hp	
16/01/08		3	Batch update of TC flags	S. Manganelli	
29/04/08		4	Dump of store 127 and 255 (CEL) reports added.	cmevi-hp	
05/06/08		5	Sequence exported with new database.	cmevi-hp	
07/07/08		6	DB checked.	cmevi-hp	
08/07/08		7	Flowchart size modified	S. Manganelli	
09/07/08		8	Sequence flag updated.	cmevi-hp	
29/07/08	1	9	New DB "Theoretical Model HERSCH_FM9" checked.	cmevi-hp	
21/08/08		10	DB check against OBSW 3.6 release One packet descr updated	S. Manganelli	
02/01/09		11	Added info sheet	S. Manganelli	
12/01/09	2	12	Updated following OBSW 3_8	S. Manganelli	
19/03/09	2.2	13	Updated DB for OBSW 3_8_2	S. Manganelli	

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Procedure Flowchart Overview



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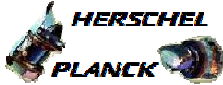

Step No.	Time	Activity/Remarks	TC/TLM	Display/ Branch	AIT Comment
Beginning of Procedure					
HFD1006 TC Seq. Name :HFD1006 (Default store rep) TimeTag Type: B Sub Schedule ID: □					
1		Preliminary checks.		Next Step: 2	
1.1		Verify that no TC(8,4,2,3), TC(8,4,2,4), TC(8,4,2,5) or TC(8,4,2,6) are ongoing using the same MM board			
		Verify Telemetry TC_8-4-2-3_x DEE0J161 = FALSE		AND=ZAD22999	
		Verify Telemetry TC_8-4-2-4_x DEE0K161 = FALSE		AND=ZAD22999	
		Verify Telemetry TC_8-4-2-5_x DEE0L161 = FALSE		AND=ZAD22999	
		Verify Telemetry TC_8-4-2-6_x DEE0M161 = FALSE		AND=ZAD22999	
2		Ask cat pkt store 0 report		Next Step: 3	
2.1		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=+00.00.00 UT=+00.00.00	Execute Telecommand ReportCatSelPktStore Command Parameter(s) : Store_Id DH003160 TC Control Flags : GBM IL DSE --Y -- Subsch. ID : 10 Det. descr. : Report Catalogues for Selected Packet Store	DC169160 0 <dec>	TC	
2.2		Verify the reception of TM(15,13)			

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Step No.	Time	Activity/Remarks	TC/TLM	Display/ Branch	AIT Comment
		Verify Packet Reception PacketStoresCat 000 Packet Mnemonic : PkStCat 000 APID : 16 Type : 15 Subtype : 13 PI1 : 0 PI2 :			
3		Ask cat pkt store 1 report		Next Step: 4	
3.1		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=+00.00.01 UT=+00.00.01	Execute Telecommand ReportCatSelPktStore Command Parameter(s) : Store_Id DH003160 1 <dec> TC Control Flags : GBM IL DSE --Y -- --- Subsch. ID : 10 Det. descr. : Report Catalogues for Selected Packet Store	DC169160	TC	
3.2		Verify the reception of TM(15,13)			
		Verify Packet Reception PacketStoresCat 001 Packet Mnemonic : PkStCat 001 APID : 16 Type : 15 Subtype : 13 PI1 : 1 PI2 :			
4		Ask cat pkt store 2 report		Next Step: 5	
4.1		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).			

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Step No.	Time	Activity/Remarks	TC/TLM	Display/ Branch	AIT Comment
	ET=+00.00.01 UT=+00.00.01	Execute Telecommand ReportCatSelPktStore Command Parameter(s) : Store_Id DH003160 TC Control Flags : GBM IL DSE --Y -- --- Subsch. ID : 10 Det. descr. : Report Catalogues for Selected Packet Store	DC169160 2 <dec>	TC	
4.2		Verify the reception of TM(15,13)			
		Verify Packet Reception PacketStoresCat 002 Packet Mnemonic : PkStCat 002 APID : 16 Type : 15 Subtype : 13 PI1 : 2 PI2 :			
5		Ask cat pkt store 3 report		Next Step: 6	
5.1		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=+00.00.01 UT=+00.00.01	Execute Telecommand ReportCatSelPktStore Command Parameter(s) : Store_Id DH003160 TC Control Flags : GBM IL DSE --Y -- --- Subsch. ID : 10 Det. descr. : Report Catalogues for Selected Packet Store	DC169160 3 <dec>	TC	
5.2		Verify the reception of TM(15,13)			
		Verify Packet Reception PacketStoresCat 003 Packet Mnemonic : PkStCat 003 APID : 16 Type : 15 Subtype : 13 PI1 : 3 PI2 :			

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Step No.	Time	Activity/Remarks	TC/TLM	Display/ Branch	AIT Comment
6		Ask cat pkt store 127 report		Next Step: 7	
6.1		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=+00.00.01 UT=+00.00.01	Execute Telecommand ReportCatSelPktStore Command Parameter(s) : Store_Id DH003160 TC Control Flags : GBM IL DSE --Y -- --- Subsch. ID : 10 Det. descr. : Report Catalogues for Selected Packet Store	DC169160	TC	
6.2		Verify the reception of TM(15,13)			
		Verify Packet Reception PacketStoresCat 127 Packet Mnemonic : PkStCat 127 APID : 16 Type : 15 Subtype : 13 PI1 : 127 PI2 :			
7		Ask cat pkt store 128 report		Next Step: 8	
7.1		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=+00.00.01 UT=+00.00.01	Execute Telecommand ReportCatSelPktStore Command Parameter(s) : Store_Id DH003160 TC Control Flags : GBM IL DSE --Y -- --- 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
7.2		Verify the reception of TM(15,13)			
		Verify Packet Reception PacketStoresCat 128 Packet Mnemonic : PkStCat 128 APID : 16 Type : 15 Subtype : 13 PI1 : 128 PI2 :			
8		Ask cat pkt store 129 report		Next Step: 9	
8.1		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=+00.00.01 UT=+00.00.01	Execute Telecommand ReportCatSelPktStore Command Parameter(s) : Store_Id DH003160 129 <dec> TC Control Flags : GBM IL DSE --Y -- --- Subsch. ID : 10 Det. descr. : Report Catalogues for Selected Packet Store	DC169160	TC	
8.2		Verify the reception of TM(15,13)			
		Verify Packet Reception PacketStoresCat 129 Packet Mnemonic : PkStCat 129 APID : 16 Type : 15 Subtype : 13 PI1 : 129 PI2 :			
9		Ask cat pkt store 130 report		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=+00.00.01 UT=+00.00.01	Execute Telecommand ReportCatSelPktStore Command Parameter(s) : Store_Id DH003160 TC Control Flags : GBM IL DSE --Y -- --- Subsch. ID : 10 Det. descr. : Report Catalogues for Selected Packet Store	DC169160 130 <dec>	TC	
9.2		Verify the reception of TM(15,13)			
		Verify Packet Reception PacketStoresCat 130 Packet Mnemonic : PkStCat 130 APID : 16 Type : 15 Subtype : 13 PI1 : 130 PI2 :			
10		Ask cat pkt store 131 report		Next Step: 11	
10.1		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=+00.00.01 UT=+00.00.01	Execute Telecommand ReportCatSelPktStore Command Parameter(s) : Store_Id DH003160 TC Control Flags : GBM IL DSE --Y -- --- Subsch. ID : 10 Det. descr. : Report Catalogues for Selected Packet Store	DC169160 131 <dec>	TC	
10.2		Verify the reception of TM(15,13)			

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Step No.	Time	Activity/Remarks	TC/TLM	Display/ Branch	AIT Comment
		Verify Packet Reception PacketStoresCat 131 Packet Mnemonic : PkStCat 131 APID : 16 Type : 15 Subtype : 13 PI1 : 131 PI2 :			
11		Ask cat pkt store 255 report		Next Step: END	
11.1		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=+00.00.01 UT=+00.00.01	Execute Telecommand ReportCatSelPktStore Command Parameter(s) : Store_Id DH003160 255 <dec> TC Control Flags : GBM IL DSE --Y -- --- Subsch. ID : 10 Det. descr. : Report Catalogues for Selected Packet Store	DC169160	TC	
11.2		Verify the reception of TM(15,13)			
		Verify Packet Reception PacketStoresCat 255 Packet Mnemonic : PkStCat 255 APID : 16 Type : 15 Subtype : 13 PI1 : 255 PI2 :			
End of Sequence					
End of Procedure					

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Info

USE LOGICAL ADDRESSES FOR ALL MM MANAGEMENT TC EXCEPT THE PACKET STORE ALLOCATION TC

SSMMA	Physical start address	Physical end address	LOGICAL start (byte)	LOGICAL end (byte)	PSIT start addr	PSIT start addr Hex
Reserved BSW area at start	0	163,839	4,294,967,296	4,295,131,135		
ASW Buffers plus a margin of 7231bytes	163,840	21,008,383	4,295,131,136	4,315,975,679		
Store 0 (default packet store)	21,008,384	27,073,275	4,315,975,680	4,322,040,571	4,322,007,804	1019C9AFC
Store 1 (SEL : serv 1, 5 and 8)	27,073,276	42,186,351	4,322,040,572	4,337,153,647	4,337,120,880	102833670
Store 2 (all HK)	42,186,352	615,270,899	4,337,153,648	4,910,238,195	4,910,205,428	124ABC9F4
Store 3 (serv 21)	615,270,900	4,294,899,307	4,910,238,196	8,589,869,055	8,589,836,288	1FFFE8000
Reserved BSW area at end	4,294,901,760	4,294,967,295	8,589,869,056	8,589,934,591		
SSMMB	Physical start address	Physical end address	LOGICAL start (byte)	LOGICAL end (byte)	PSIT start addr	PSIT start addr Hex
Reserved BSW area at start	0	163,839	12,884,901,888	12,885,065,727		
ASW Buffers plus margin	163,840	21,008,383	12,885,065,728	12,905,910,271		
Store 128 80h (default packet store)	21,008,384	27,073,275	12,905,910,272	12,911,975,163	12,911,942,396	3019C9AFC
Store 129 81h (SEL : serv 1, 5 and 8)	27,073,276	42,186,351	12,911,975,164	12,927,088,239	12,927,055,472	302833670
Store 130 82h (all HK)	42,186,352	615,270,899	12,927,088,240	13,500,172,787	13,500,140,020	324ABC9F4
Store 131 83h (serv 21)	615,270,900	4,294,901,759	13,500,172,788	17,179,803,647	17,179,770,880	3FFFE8000
Reserved BSW area at end	4,294,901,760	4,294,967,295	17,179,803,648	17,179,869,183		