

Saving of HK packets in data pool buffers  
 File: H\_FCP\_DHS\_3076.xls  
 Author: S. Manganelli



## Procedure Summary

### Objectives

This procedure describes the steps needed to store an HK TM packet in one of 10 HK TM packets slots.

### Summary of Constraints

n/a

### Spacecraft Configuration

#### Start of Procedure

- CDMU in default configuration, that is:
- PM A or B ON (nominally A)
  - TM Encoder/OBT A or B active (nominally A)
  - RM A and B enabled
  - MM A and B ON

#### End of Procedure

- CDMU in default configuration, that is:
- PM A or B ON (nominally A)
  - TM Encoder/OBT A or B active (nominally A)
  - RM A and B enabled
  - MM A and B ON

### Reference File(s)

#### Input Command Sequences

#### Output Command Sequences

HFD3076

### Referenced Displays

ANDs      GRDs      SLDs  
 (None)

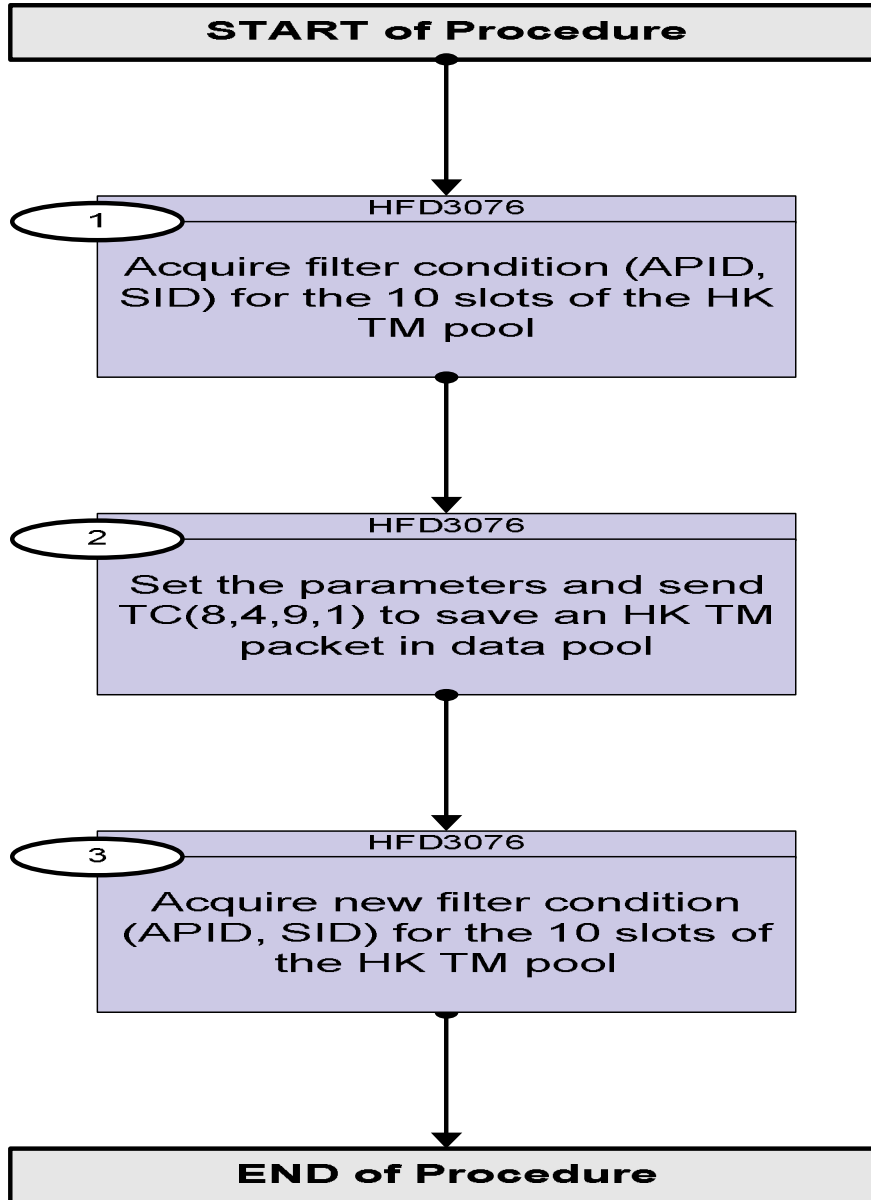
### Configuration Control Information

DATE	FOP ISSUE	VERSION	MODIFICATION DESCRIPTION	AUTHOR	SPR REF
09/11/07		1	Created	cmevi-hp	
10/06/08	1	2	TC Flag and Seq Properly changed	S. Manganelli	
02/12/08	2	3	DB check following OBSW 3_6_2 Added call to FCP_DHS_3033	S. Manganelli	

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### Procedure Flowchart Overview



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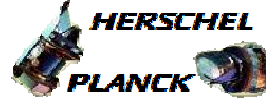
Step No.	Time	Activity/Remarks	TC/TLM	Display/ Branch
<b>Beginning of Procedure</b>				
<p><i>TC Seq. Name :HFD3076 (Saving HK packets)</i></p> <p><i>TimeTag Type: N</i>  <i>Sub Schedule ID:</i></p> <p style="text-align: center;">□</p>				
1		Acquire filter condition (APID, SID) for the 10 slots of the HK TM pool		Next Step: 2
		<b>Note that the following 20 parameters are part of the CDMU Diag packet BSW 3 (HK ID 98). If BSW3 packet is not enabled, the packet must be enabled by FCP_DHS_3033.</b>		
		Verify Telemetry APID_slot0 DEM2G160		(None)
		Verify Telemetry SID_slot0 DEM2H160		(None)
		Verify Telemetry APID_slot1 DEM31160		(None)
		Verify Telemetry SID_slot1 DEM32160		(None)
		Verify Telemetry APID_slot2 DEM3G160		(None)
		Verify Telemetry SID_slot2 DEM3H160		(None)
		Verify Telemetry APID_slot3 DEM41160		(None)
		Verify Telemetry SID_slot3 DEM42160		(None)
		Verify Telemetry APID_slot4 DEM4G160		(None)
		Verify Telemetry SID_slot4 DEM4H160		(None)
		Verify Telemetry APID_slot5 DEM51160		(None)
		Verify Telemetry SID_slot5 DEM52160		(None)
		Verify Telemetry APID_slot6 DEM5G160		(None)
		Verify Telemetry SID_slot6 DEM5H160		(None)

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Step No.	Time	Activity/Remarks	TC/TLM	Display/ Branch
		Verify Telemetry APID_Slot7 DEM61160		(None)
		Verify Telemetry SID_Slot7 DEM62160		(None)
		Verify Telemetry APID_Slot8 DEM6G160		(None)
		Verify Telemetry SID_Slot8 DEM6H160		(None)
		Verify Telemetry APID_Slot9 DEM71160		(None)
		Verify Telemetry SID_Slot9 DEM72160		(None)
2		Set the parameters and send TC(8,4,9,1) to save an HK TM packet in data pool		Next Step: 3
		<b>In the TC(8,4,9,1) it is necessary to set the following parameters:</b>  <b><u>HK APID</u></b> : The APID of the HK packet that shall be saved. <b><u>HK SID</u></b> : The SID of the HK packet that shall be saved. <b><u>HK TM Slot</u></b> : The slot where the packet shall be stored.		
		<b>Note that if a slot is already used, it will be replaced by the new definition.</b>		
		Execute Telecommand  <div style="text-align: right;"><b>SaveHKTMPackets</b></div> Command Parameter(s) : HK_APID                  DH046161          16 <dec> HK_SID                  DH047161          0 <dec> SLOT                   DH049161          1 <dec>  TC Control Flags :  GBM IL DSE --Y -- --  Subsch. ID : 10 Det. descr. : Saving of HK TM Packets	DC008161	
3		Acquire new filter condition (APID, SID) for the 10 slots of the HK TM pool		Next Step: END
		Verify Telemetry APID_Slot0 DEM2G160		(None)
		Verify Telemetry SID_Slot0 DEM2H160		(None)

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Step No.	Time	Activity/Remarks	TC/TLM	Display/ Branch
		Verify Telemetry APID_Slot1 DEM31160		(None)
		Verify Telemetry SID_Slot1 DEM32160		(None)
		Verify Telemetry APID_Slot2 DEM3G160		(None)
		Verify Telemetry SID_Slot2 DEM3H160		(None)
		Verify Telemetry APID_Slot3 DEM41160		(None)
		Verify Telemetry SID_Slot3 DEM42160		(None)
		Verify Telemetry APID_Slot4 DEM4G160		(None)
		Verify Telemetry SID_Slot4 DEM4H160		(None)
		Verify Telemetry APID_Slot5 DEM51160		(None)
		Verify Telemetry SID_Slot5 DEM52160		(None)
		Verify Telemetry APID_Slot6 DEM5G160		(None)
		Verify Telemetry SID_Slot6 DEM5H160		(None)
		Verify Telemetry APID_Slot7 DEM61160		(None)
		Verify Telemetry SID_Slot7 DEM62160		(None)
		Verify Telemetry APID_Slot8 DEM6G160		(None)
		Verify Telemetry SID_Slot8 DEM6H160		(None)
		Verify Telemetry APID_Slot9 DEM71160		(None)
		Verify Telemetry SID_Slot9 DEM72160		(None)
		<b>If BSW3 packet was disabled before the start of this procedure, the packet must be now disabled by FCP_DHS_3033.</b>		

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Step No.	Time	Activity/Remarks	TC/TLM	Display/ Branch
<b>End of Procedure</b>				