

Packet store deletion  
 File: H\_FCP\_DHS\_3039.xls  
 Author: S. Manganelli



## Procedure Summary

### Objectives

This procedure describes the steps needed to deallocate (remove) a specified Packet Store.

### Summary of Constraints

The shall be at least two seconds of delay between the deletion of a packet store and the creation of a new packet store using the same Packet Store ID.

TC(8,4,3,2) "Deallocate Packet Store" is rejected for the CEL (Critical Event Log).

Note that TC(8,4,3,2) will fail when there is an ongoing TC(8,4,2,3) (Check Mass Memory), TC(8,4,2,4) (Map Mass Memory), TC(8,4,2,5) (Turn Bank on/off) or TC(8,4,2,6) (Initialise Mass Memory) using the same MM board.

### 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

HFD3039

### Referenced Displays

<b>ANDs</b>	<b>GRDs</b>	<b>SLDs</b>
ZAD22999		(None)

### Configuration Control Information

DATE	FOP ISSUE	VERSION	MODIFICATION DESCRIPTION	AUTHOR	SPR REF
31/10/07		1	Created	cmevi-hp	
10/06/08	1	2	TC flag and seq property changed	S. Manganelli	

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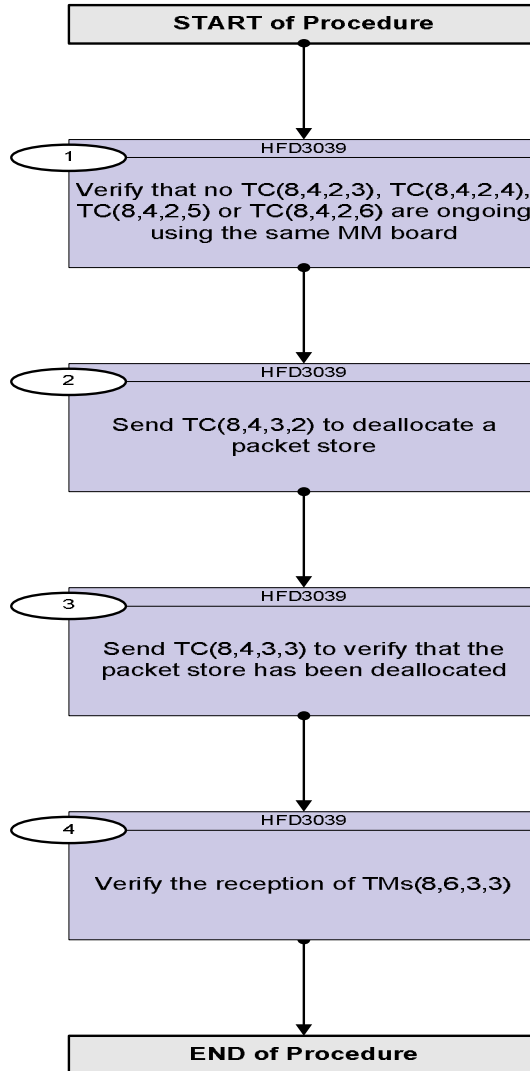


11/12/08		3	Added FP DB check against OBSW 3_6_2	S. Manganelli	
13/01/09	2	4	Updated following OBSW 3_8	S. Manganelli	

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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>				
TC Seq. Name :HFD3039 (Store deletion)				
TimeTag Type: N Sub Schedule ID: Formal Parameter List : ID Store_id=				
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		Next Step: 2
		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		Send TC(8,4,3,2) to deallocate a packet store		Next Step: 3
		<b>This TC will deallocate the specified packet store. The memory used by the packet store will be then available for creation of new packet stores. The Store ID will also be freed.</b>		
		<b>In the TC it is necessary to insert the Packet Store ID (0..126, 128..254).</b>  <b>Note that:</b> - from 0 to 126 Packet Store in MMA; - from 128 to 254 Packet Store in MMB.  <b>127 and 255 are CEL IDs.</b>		
		Execute Telecommand DeallocatePktStore  Command Parameter(s) : ID DH035160 Store_id  TC Control Flags : GBM IL DSE --Y -- --  Subsch. ID : 10 Det. descr. : Deallocate Packet Store	DC808160	
3		Send TC(8,4,3,3) to verify that the packet store has been deallocated		Next Step: 4

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Step No.	Time	Activity/Remarks	TC/TLM	Display/ Branch
		<b>The allocation is reported in up to four TM (8,6,3,3).</b>		
		Execute Telecommand <p style="text-align: right;">ReportPktStrAlloc</p> TC Control Flags : <p style="text-align: right;">GBM IL DSE            --Y -- ---</p> Subsch. ID : 10 Det. descr. : Report Packet Store Allocation	DC809160	
4		Verify the reception of TMs(8,6,3,3)		Next Step: END
		Verify Packet Reception <p style="text-align: center;">Packet Store Allocation Report</p> Packet Details: <p style="text-align: right;">APID: 16            Type: 8            Subtype: 6            PI1: 771            PI2: 22</p>	PktStoreAllc	
		Verify Telemetry <p style="text-align: right;">FUN DE016160</p>		(None)
		Verify Telemetry <p style="text-align: right;">ACT DE017160</p>		(None)
		Verify Telemetry <p style="text-align: right;">SID DE018160</p>		(None)
		Verify Telemetry <p style="text-align: right;">N DE023160</p>		(None)
		<b>The following parameters are repeated N times</b>		
		Verify Telemetry <p style="text-align: right;">PKS_ID DE024160</p>		(None)
		Verify Telemetry <p style="text-align: right;">SAD DE019160</p>		(None)
		Verify Telemetry <p style="text-align: right;">LEN DE025160</p>		(None)
<b>End of Procedure</b>				