

Request list of OBCPs  
File: H\_FCP\_OBS\_7108.xls  
Author: lstefanov-hp



## Procedure Summary

### Objectives

This Herschel OBSM nominal procedure is used to acquire the list of OBCPs existing on-board, in the SSMM. The on-board OBCPs report is commanded via TC(18,8). The list of OBCPs is received in a TM(18,9) packet.

### Summary of Constraints

The ASW function "OBCP Management" is responsible of reporting OBCPs. No OBCP report can be requested when the function is Stopped.

Default status of the function: "Stopped".

When the function is stopped, it does not accept any other telecommands than the:

- Start Function TC(8,1,107);
- Report Function Status TC(8,5,107).

Thus, if the function is stopped this procedure cannot be executed.

### Spacecraft Configuration

#### Start of Procedure

CDMU in Nominal 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

"OBCP Management" function Stopped or Running

#### End of Procedure

CDMU in Nominal configuration:

- 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

"OBCP Management" function Running  
On-board OBCPs report received

### Reference File(s)

#### Input Command Sequences

#### Output Command Sequences

OFCP7108

### Referenced Displays

**ANDs**      **GRDs**      **SLDs**  
ZAZAI999  
ZAZ4Q999

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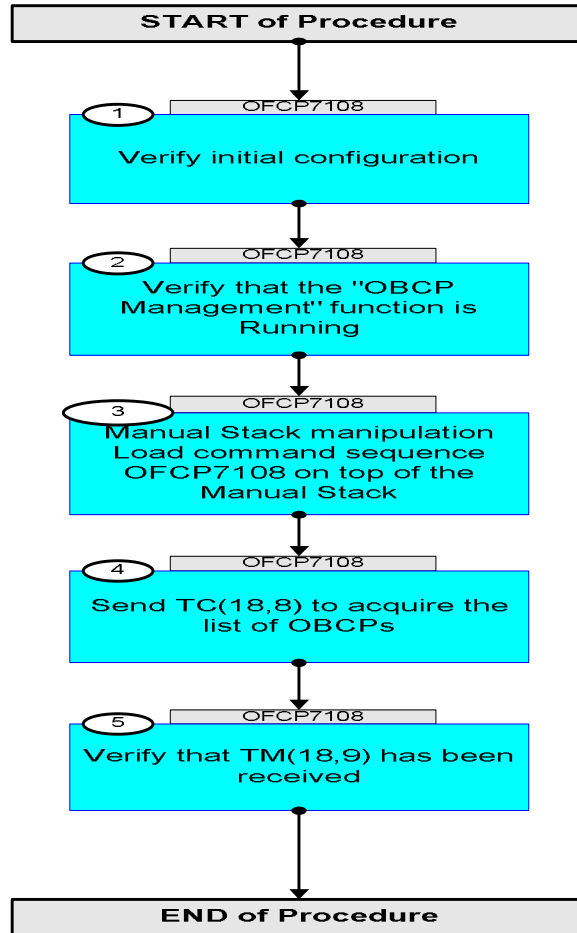
**Configuration Control Information**

DATE	FOP ISSUE	VERSION	MODIFICATION DESCRIPTION	AUTHOR	SPR REF
16/06/08		1	Created	lstefanov-hp	
16/06/08	1	2	1. current step 3.1: 'Heading Level' decreased from 3.1.1 to 3.1 to correct step numbering error in previous version of proc.	lstefanov-hp	
01/04/09	2.3	3	1. steps 2 and 5 updated in line with DB for CDMS OBS v.3.8.2 2. step 4 updated: TC Control Flags changed to Enable PTVs and EV	lstefanov-hp	

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## Procedure Flowchart Overview



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Step No.	Time	Activity/Remarks	TC/TLM	Display/ Branch	AIT Comment
<b>Beginning of Procedure</b>					
OFCP7108		TC Seq. Name :OFCP7108 ( OnBoardObcpsList ) Acquire list of on-board OBCPs  TimeTag Type: N Sub Schedule ID:  <input type="checkbox"/>			
1		Verify initial configuration		Next Step: 2	
		Check CDMU Nominal configuration: - 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			
2		Verify that the "OBCP Management" function is Running		Next Step: 3	
		Verify Telemetry  <b>ObcpsSts                      DEH36170                      = Running</b>		AND=ZAZAI999	
2.1		IF "OBCP Management" function NOT Running  THEN Start the OBCP function via H_FCP_DHS_3046			
		Execute procedure <b>H_FCP_DHS_3046</b>			
		H_FCP_DHS_3046 Start or stop the whole OBCP function			
3		Manual Stack manipulation Load command sequence OFCP7108 on top of the Manual Stack		Next Step: 4	
3.1		Sequence data  FP: N/A TT: N/A			
4		Send TC(18,8) to acquire the list of OBCPs		Next Step: 5	
		Uplink TC with <b>ARM GO</b>			

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Step No.	Time	Activity/Remarks	TC/TLM	Display/ Branch	AIT Comment
		Execute Telecommand <p style="text-align: right;"><b>ReptOnBoardObcps</b></p> <i>TC Control Flags :</i> <p style="text-align: right;">GBM IL DSE            --Y -- ---</p> <i>Subsch. ID : 10</i> <i>Det. descr. : TEMPLATE Report list of on-board OBCPs</i> TC(18,8)	DCT76170	TC	
		<b>Note:</b> Following successful execution of TC(18,8), a report Type (18,9) is generated.			
5		Verify that TM(18,9) has been received		Next Step: END	
		Verify Packet Reception TM 18-9 List of on-board Procedures Packet Mnemonic : OnBrdObcplst APID : 16 Type : 18 Subtype : 9 PI1 : PI2 :			
		Verify Telemetry <p style="text-align: right;"><b>N_Repetition</b>                      DE014170</p>			
		<b>The following parameter is repeated N times</b>			
		Verify Telemetry <p style="text-align: right;"><b>ProcedureID</b>                      DE293170</p>		AND=ZAZ4Q999	
End of Sequence					
<b>End of Procedure</b>					