

CDMS OBSM Dumps (MGA) (serv 6)  
 File: H\_COP\_DHS\_0210.xls  
 Author: lstefanov-hp



## Procedure Summary

### Objectives

This procedure is used to perform Herschel CDMU memory images dump during commissioning.

The procedure dumps the code and constant memory areas (no variable areas) for the following CDMU devices:

- CDMU PM PROM
- CDMU PM EEPROM1&2
- CDMU CPU RAM (OBS image)
- CDMU TTR SGM A&B
- CDMU CROME A&B Registers

Please note that the CPU System Registers and the PM COCOS and SSMM COCOS Registers dumps via service 6 are executed in procedure H\_COP\_DHS\_0710.

### Summary of Constraints

CDMU in Operational Mode

### Spacecraft Configuration

**Start of Procedure**

CDMU in Operational Mode

**End of Procedure**

Same as start except:  
 - CDMU memory dumps executed

### Reference File(s)

**Input Command Sequences**

**Output Command Sequences**

### Referenced Displays

ANDs      GRDs      SLDs

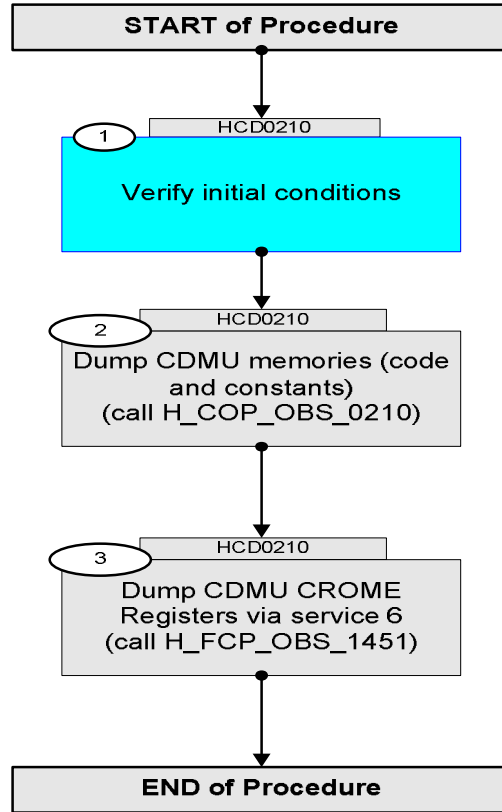
### Configuration Control Information

DATE	FOP ISSUE	VERSION	MODIFICATION DESCRIPTION	AUTHOR	SPR REF
25/03/09	2.2	1	Created	t.loureiro-hp	
03/04/09	2.3	2	1. current step 2 updated to call proc.H_COP_OBS_0210 instead of H_FCP_OBS_LCHP 2. added current step 3 for CDMU CROME registers dump via service 6	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>					
TC Seq. Name :HCD0210 ( )  HCD0210  TimeTag Type: Sub Schedule ID:  <input type="checkbox"/>					
1		Verify initial conditions		Next Step: 2	
		Check: - CDMU in Operational mode			
		CDMS SOE to confirm CDMU mode			
2		Dump CDMU memories (code and constants) (call H_COP_OBS_0210)  type: [Proc]		Next Step: 3	
		Execute procedure <b>H_COP_OBS_0210</b> to dump the following memory areas: - CDMU PM PROM - CDMU PM EEPROM1&2 - CDMU CPU RAM (OBS image) - CDMU TTR SGM A&B			
		H_COP_OBS_0210 Dump of CDMU memories (code and constants)			
3		Dump CDMU CROME Registers via service 6 (call H_FCP_OBS_1451)  type: [Proc]		Next Step: END	
		Execute procedure <b>H_FCP_OBS_1451</b> to dump: - CDMU CROME A Registers - CDMU CROME B Registers			
		H_FCP_OBS_1451 Update CDMU CROME Registers ground image from memory dump			
End of Sequence					
<b>End of Procedure</b>					