

ACMS ACC Memory Dump (MGA) (serv 6)  
 File: H\_COP\_AOC\_9101.xls  
 Author: lstefanov-hp



## Procedure Summary

### Objectives

This procedure is used to perform Herschel ACC memory dumps during commissioning.

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

- ACC PM PROM
- ACC PM EEPROM1&2
- ACC CPU RAM (OBS image)
- ACC RM SGM A&B

The procedure also covers register dumps for the following ACC memory devices:

- ACC CPU System Registers
- ACC PM COCOS Registers
- ACC CROME A&B Registers

### Summary of Constraints

- CDMU in Operational Mode
- ACC in Operational Mode

### Spacecraft Configuration

#### Start of Procedure

- CDMU in Operational Mode
- ACC in Operational Mode

#### End of Procedure

- Same as start except:
- ACC memory and register dumps executed

### Reference File(s)

#### Input Command Sequences

#### Output Command Sequences

### Referenced Displays

ANDs      GRDs      SLDs

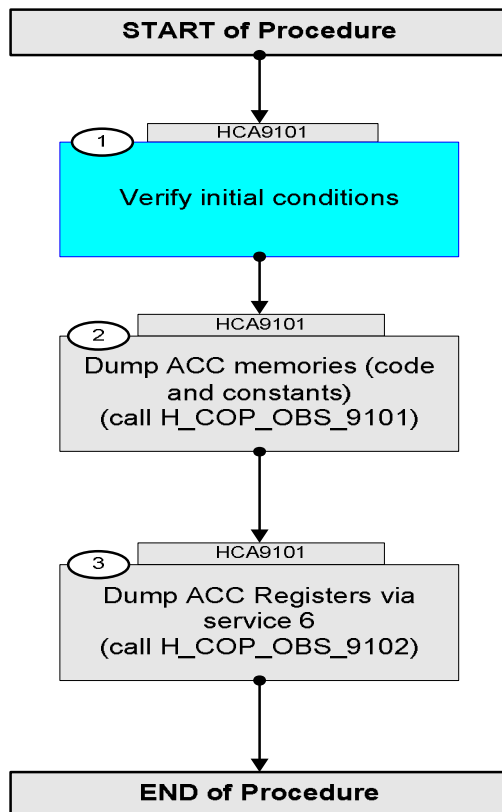
### Configuration Control Information

DATE	FOP ISSUE	VERSION	MODIFICATION DESCRIPTION	AUTHOR	SPR REF
25/03/09	2.2	1	Created	t.loureiro-hp	
03/04/09		2	1. current step 2 updated to call proc.H_COP_OBS_9101 instead of H_FCP_OBS_LCHP 2. added current step 3 for ACC registers dump via service 6	lstefanov-hp	
03/04/09		3	1. procedure cover page updated	lstefanov-hp	
03/04/09	2.3	4	1. TC Seq. name and description updated	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>					
HCA9101		TC Seq. Name :HCA9101 ( ACC Mem Dumps ) ACC Memory Dumps  TimeTag Type: Sub Schedule ID:  <input type="checkbox"/>			
1		Verify initial conditions		Next Step: 2	
		Check: - CDMU in Operational mode - ACC in Operational mode			
		CDMS SOE to confirm CDMU mode			
		ACMS SOE to confirm ACC mode			
2		Dump ACC memories (code and constants) (call H_COP_OBS_9101)  type: [Proc]		Next Step: 3	
		Execute procedure <b>H_COP_OBS_9101</b> to dump the following memory areas: - ACC PM PROM - ACC PM EEPROM1&2 - ACC CPU RAM (OBS image) - ACC TTR SGM A&B			
		H_COP_OBS_9101 Dump of ACC memories (code and constants)			
3		Dump ACC Registers via service 6 (call H_COP_OBS_9102)  type: [Proc]		Next Step: END	
		Execute procedure <b>H_COP_OBS_9102</b> to dump: - ACC CPU System Registers - ACC PM COCOS Registers - ACC CROME A Registers - ACC CROME B Registers			
		H_COP_OBS_9102 Dump of ACC registers			
End of Sequence					
<b>End of Procedure</b>					