

Starting or stopping the on board monitoring  
File: H\_CRP\_DHS\_3002.xls  
Author: S. Manganelli



## Procedure Summary

### Objectives

This procedure describes the steps needed to switch ON or OFF the ASW function "On board Monitoring".

The "On board Monitoring" service provides the capability to monitor on-board parameters with respect to checks defined by the Ground for the purpose of initiating adequate actions on-board (during autonomy phases of the spacecraft).

### Summary of Constraints

Default status of the function: "Started".

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

- Start Function TC(8,1,106);
- Report Function Status TC(8,5,106);
- Report Current Monitoring List TC(12,8);
- Clear Monitoring List TC(12,4).

### 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

HRD3002A  
HRD3002B

### Referenced Displays

ANDs      GRDs      SLDs  
ZAZAI999

### Configuration Control Information

Starting or stopping the on board monitoring  
File: H\_CRP\_DHS\_3002.xls  
Author: S. Manganelli

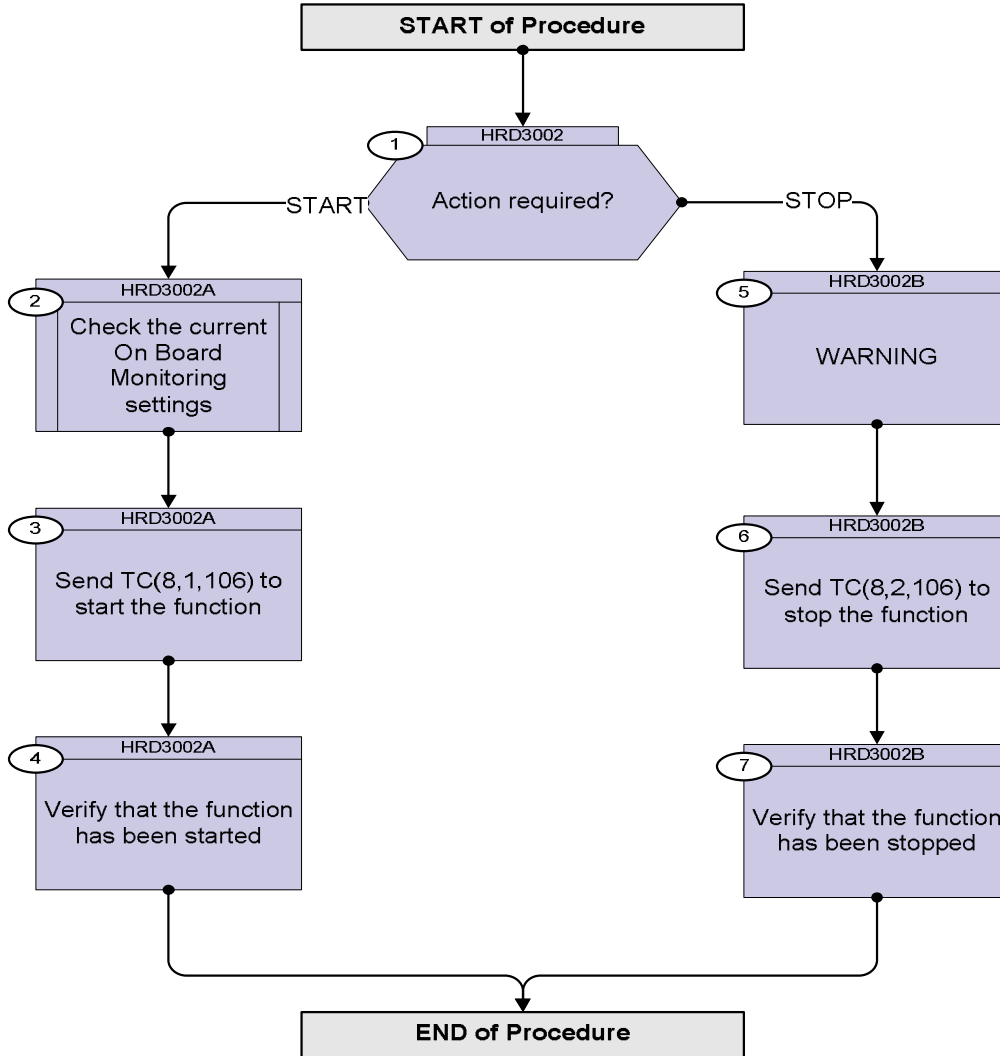


DATE	FOP ISSUE	VERSION	MODIFICATION DESCRIPTION	AUTHOR	SPR REF
24/01/08	1	1	Created	cmevi-hp	
29/11/08		2	Industry inputs 24 oct 08	S. Manganelli	
11/12/08	2	3	Corrected procedure ref	S. Manganelli	

Starting or stopping the on board monitoring  
File: H\_CRP\_DHS\_3002.xls  
Author: S. Manganelli



### Procedure Flowchart Overview



Starting or stopping the on board monitoring  
 File: H\_CRP\_DHS\_3002.xls  
 Author: S. Manganelli



Step No.	Time	Activity/Remarks	TC/TLM	Display/ Branch
<b>Beginning of Procedure</b>				
TC Seq. Name :HRD3002 (Dummy sequence)  TimeTag Type: Sub Schedule ID:  <input type="checkbox"/>				
1		Action required?		Next Step: START 2 STOP 5
1.1		Start		<input type="checkbox"/>
		Verify Telemetry  MonitSts DEH23170	= Stopped	AND=ZAZAI999
1.2		Stop		<input type="checkbox"/>
		Verify Telemetry  MonitSts DEH23170	= Running	AND=ZAZAI999
TC Seq. Name :HRD3002A (Start monitoring function)  TimeTag Type: Sub Schedule ID:  <input type="checkbox"/>				
2		Check the current On Board Monitoring settings		Next Step: 3
		<b>Note: while the On board Monitoring function is stopped its settings cannot be modified though a report can be asked to ascertain the settings applicable as soon as the function is started.</b>		
		Execute procedure H_FCP_DHS_3030.		
3		Send TC(8,1,106) to start the function		Next Step: 4
		<b>This will start the On Board Monitoring function. It is therefore advisable to first check the current settings.</b>		
		Execute Telecommand  StartOnBoardMon  TC Control Flags :  Subsch. ID : 10 Det. descr. : Start On Board Monitoring, TC(8,1,106)	DC52F170	
			GBM IL DSE --Y -- ---	

Starting or stopping the on board monitoring  
 File: H\_CRP\_DHS\_3002.xls  
 Author: S. Manganelli



Step No.	Time	Activity/Remarks	TC/TLM	Display/ Branch
4		Verify that the function has been started		Next Step: END
		Verify Telemetry MonitSts DEH23170	= Running	AND=ZAZAI999
TC Seq. Name :HRD3002B (Stop monitoring function)  TimeTag Type: Sub Schedule ID:  <input type="checkbox"/>				
5		WARNING		Next Step: 6
		<b>Stopping the On Board Monitoring function results in no more anomaly detection based on the MOT table, thus no more events being triggered and therefore no more related reconfiguration action.</b>  <b>Note that the reconfiguration related to BSW events are not affected.</b>		
6		Send TC(8,2,106) to stop the function		Next Step: 7
		<b>WARNING: when the function is stopped, it does not accept any other telecommands than the Start Function, Clear Monitoring List, Report Function Status and Report Current Monitoring List.</b>		
		Execute Telecommand <div style="text-align: right;">StopOnBoardMon</div> TC Control Flags : <div style="text-align: right;">GBM IL DSE --Y -- ---</div> Subsch. ID : 10 Det. descr. : Stop On Board Monitoring, TC(8,2,106)	DC53F170	
7		Verify that the function has been stopped		Next Step: END
		Verify Telemetry MonitSts DEH23170	= Stopped	AND=ZAZAI999
<b>End of Procedure</b>				