

Start or stop the whole event-action function  
File: H\_CRP\_DHS\_3003.xls  
Author: S. Manganelli



## Procedure Summary

### Objectives

The ASW function "Event/Action Management" is responsible to perform the action telecommands associated to corresponding events.

This procedure describes the steps needed to switch ON or OFF the function.

### Summary of Constraints

Default status of the function: "Started".

Note that Event/Action service is not started immediately after reset, but only after the initial mode transition is completed.

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

- Start Function TC(8,1,108);
- Clear Event Detection List TC(19,3);
- Report EAT TC(19,6);
- Report Function Status TC(8,5,108).

### 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

HRD3003A  
HRD3003B

### Referenced Displays

ANDs	GRDs	SLDs
ZAZAI999		(None)

### Configuration Control Information

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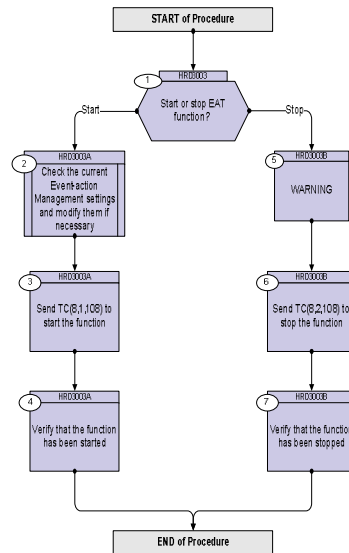


DATE	FOP ISSUE	VERSION	MODIFICATION DESCRIPTION	AUTHOR	SPR REF
13/02/08		1	Created	cmevi-hp	
15/02/08		2	TC flags updated.	cmevi-hp	
15/02/08	1	3	DB checked.	cmevi-hp	
29/11/08	2	4	Updated upon Industry inputs 24 oct 08	S. Manganelli	

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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 :HRD3003 (Dummy sequence)  TimeTag Type: Sub Schedule ID:  <input type="checkbox"/>				
1		Action required?		<input type="checkbox"/>
1.1		Start		<input type="checkbox"/>
		Verify Telemetry  <div style="text-align: right;">EaSts                    DEG19170</div>	= Stopped	AND=ZAZAI999
1.2		Stop		<input type="checkbox"/>
		Verify Telemetry  <div style="text-align: right;">EaSts                    DEG19170</div>	= Running	(None)
TC Seq. Name :HRD3003A (Start EAT function)  TimeTag Type: Sub Schedule ID:  <input type="checkbox"/>				
2		Check the current Event-action Management settings		<input type="checkbox"/>
		<b>Note: while the Event/Action Management 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>  <b>In the called procedure, choose "Detection List".</b>		
		Execute H_FCP_DHS_3051.		
3		Send TC(8,1,108) to start the function		<input type="checkbox"/>
		<b>This will start the Event/Action Management function. It is therefore advisable to first check the current settings.</b>		

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Step No.	Time	Activity/Remarks	TC/TLM	Display/ Branch
		Execute Telecommand <p style="text-align: right;"><b>StartEvtActManag</b></p> Command Parameter(s) : Function_ID                    DH010170 TC Control Flags : GBM IL DSE --Y -- --- Subsch. ID : 10 Det. descr. : Start event/action management TC(8,1,108)	DCT90170  Event_Action (Def)	
4		Verify that the function has been started		<input type="checkbox"/>
		Verify Telemetry <p style="text-align: right;"><b>EaSts                    DEG19170</b></p>	= Running	AND=ZAZAI999
TC Seq. Name :HRD3003B (Stop EAT function)  TimeTag Type: Sub Schedule ID:  <input type="checkbox"/>				
5		WARNING		<input type="checkbox"/>
		<b>Stopping the Event Action Management function results in no more reconfiguration actions on anomaly detection, ie all EAT entries are discarded.</b>		
6		Send TC(8,2,108) to stop the function		<input type="checkbox"/>
		<b>WARNING: when the function is stopped, it does not accept any other telecommands than the Start Function, Clear Event Detection List, Report EAT and Report Function Status TCs.</b>		
		Execute Telecommand <p style="text-align: right;"><b>StopEvtActManag</b></p> Command Parameter(s) : Function_ID                    DH010170 TC Control Flags : GBM IL DSE --Y -- --- Subsch. ID : 10 Det. descr. : Stop event/action management TC(8,2,108)	DCT91170  Event_Action (Def)	
7		Verify that the function has been stopped		<input type="checkbox"/>

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Step No.	Time	Activity/Remarks	TC/TLM	Display/ Branch
		Verify Telemetry  EaSts                      DEG19170	= Stopped	AND=ZAZAI999
<b>End of Procedure</b>				