

Start or stop the whole ASW internal event filtering function
File: H_CRP_DHS_3001.xls
Author: S. Manganelli



Procedure Summary

Objectives

The ASW function "Event Filtering" is responsible of filtering the ASWs own events. Monitoring events are not filtered by this functionality.

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

Summary of Constraints

Default status of the function: "Running".

Even when the function is stopped, all telecommands are accepted, apart from the Stop Function TC(8,2,117). In particular the Modify Event Filter Time TC(8,4,117,1) can be sent irrespectively of the status of the function.

Note that no event filtering is done if this function is stopped, i.e. all the events are sent to ground.

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

HRD3001A
HRD3001B

Referenced Displays

ANDs	GRDs	SLDs
ZAZAI999		

Configuration Control Information

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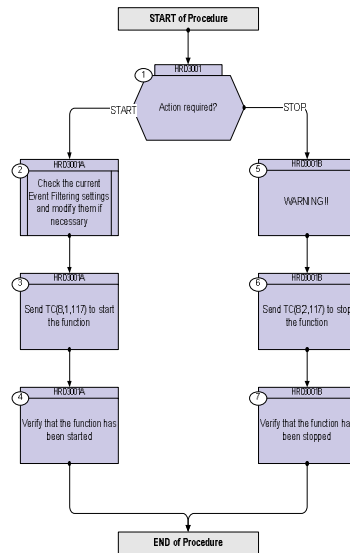


DATE	FOP ISSUE	VERSION	MODIFICATION DESCRIPTION	AUTHOR	SPR REF
24/01/08	1	1	Created	cmevi-hp	
29/11/08	2	2	Following Industry inputs 19 sep 08	S. Manganelli	

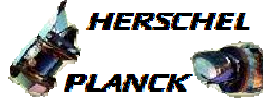
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Procedure Flowchart Overview



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Step No.	Time	Activity/Remarks	TC/TLM	Display/ Branch
Beginning of Procedure				
TC Seq. Name :HRD3001 (Dummy sequence)				
TimeTag Type: Sub Schedule ID: <input type="checkbox"/>				
1		Action required?		Next Step: STOP 5 START 2
1.1		Start		<input type="checkbox"/>
		Verify Telemetry EfSts DEG20170	= Stopped	AND=ZAZAI999
1.2		Stop		<input type="checkbox"/>
		Verify Telemetry EfSts DEG20170	= Running	AND=ZAZAI999
TC Seq. Name :HRD3001A (Start Evnt filt func)				
TimeTag Type: Sub Schedule ID: <input type="checkbox"/>				
2		Check the current Event Filtering settings and modify them if necessary		Next Step: 3
		Execute procedure H_FCP_DHS_3004.		
3		Send TC(8,1,117) to start the function		Next Step: 4
		This will start the event filtering. It is therefore advisable to first check the current settings and change them if necessary.		
		Execute Telecommand StartEventFiltering TC Control Flags : GBM IL DSE --Y -- --- Subsch. ID : 10 Det. descr. : Start Event Filtering TC(8,1)	DC26L170	
4		Verify that the function has been started		Next Step: END

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Step No.	Time	Activity/Remarks	TC/TLM	Display/ Branch
		Verify Telemetry EfSts DEG20170	= Running	AND=ZAZAI999
<p><i>TC Seq. Name :HRD3001B (Stop Evnt filt func)</i></p> <p><i>TimeTag Type:</i> <i>Sub Schedule ID:</i></p> <p style="text-align: center;">□</p>				
5		<i>WARNING !!</i>		Next Step: 6
		Stopping the Event Filtering function results in all the events being sent to ground, i.e. no event filtering is done.		
6		<i>Send TC(8,2,117) to stop the function</i>		Next Step: 7
		When the function is stopped, it still accepts all telecommands apart from the Stop Function TC.		
		Execute Telecommand StopEventFiltering <i>TC Control Flags :</i> GBM IL DSE --Y -- --- <i>Subsch. ID : 10</i> <i>Det. descr. : Stop Event Filtering TC(8,2)</i>	DC27L170	
7		<i>Verify that the function has been stopped</i>		Next Step: END
		Verify Telemetry EfSts DEG20170	= Stopped	AND=ZAZAI999
End of Procedure				