

Start or stop the whole mode management function
 File: H_CRP_DHS_3005.xls
 Author: S. Manganelli



Procedure Summary

Objectives

This procedure describes the steps needed to switch ON or OFF the ASW function "Mode Management".

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(8,1,110);
- Report Function Status TC(8,5,110).

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

HRD3005A
 HRD3005B

Referenced Displays

ANDs **GRDs** **SLDs**
 ZAZAI999

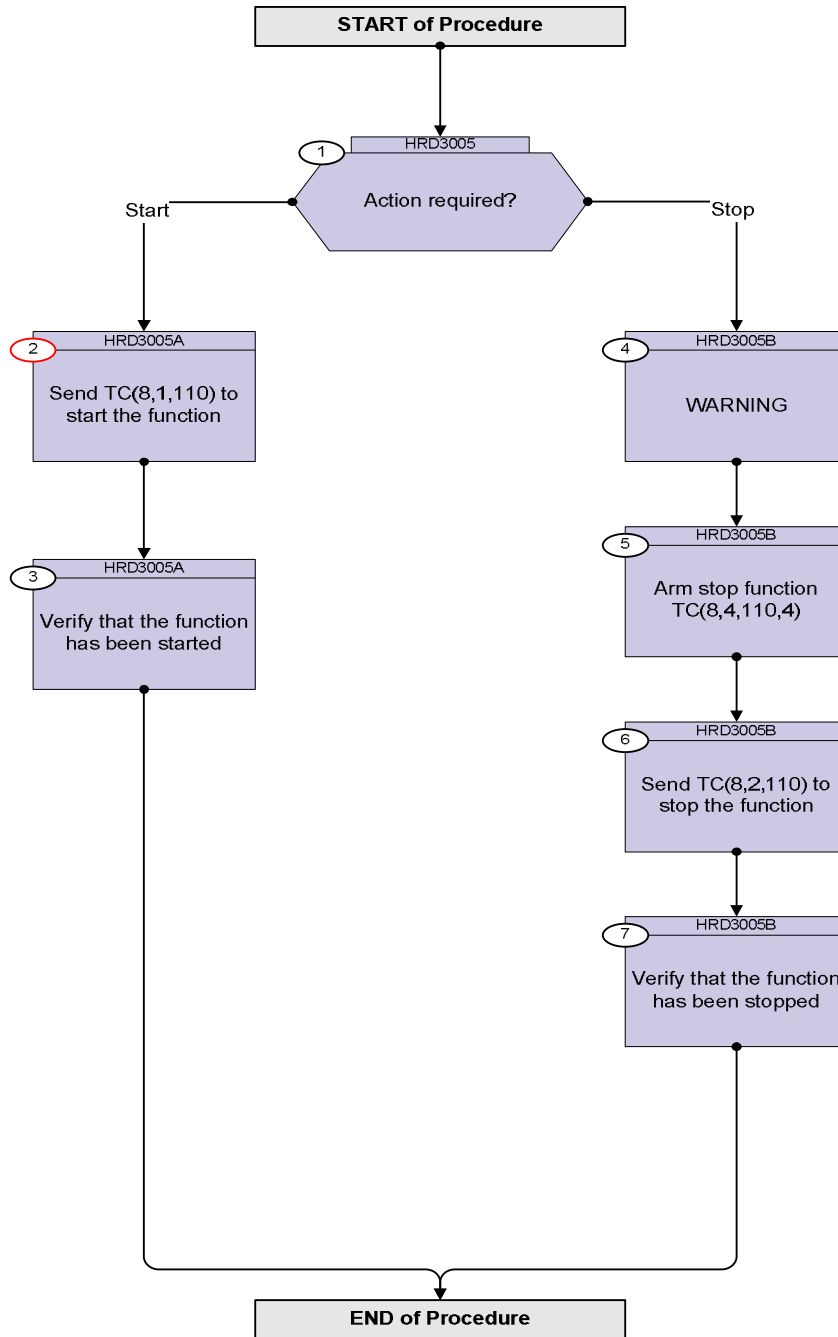
Configuration Control Information

DATE	FOP ISSUE	VERSION	MODIFICATION DESCRIPTION	AUTHOR	SPR REF
15/11/08	2	1	Created	S. Manganelli	

Start or stop the whole mode management function
File: H_CRP_DHS_3005.xls
Author: S. Manganelli



Procedure Flowchart Overview



Start or stop the whole mode management function
 File: H_CRP_DHS_3005.xls
 Author: S. Manganelli



Step No.	Time	Activity/Remarks	TC/TLM	Display/ Branch
Beginning of Procedure				
TC Seq. Name :HRD3005 (Dummy sequence)				
TimeTag Type: Sub Schedule ID: <input type="checkbox"/>				
1		Action required?		Next Step: Start 2 Stop 4
1.1		Start		<input type="checkbox"/>
		Verify Telemetry ModeSts DEH21170	= Stopped	AND=ZAZAI999
1.2		Stop		<input type="checkbox"/>
		Verify Telemetry ModeSts DEH21170	= Running	AND=ZAZAI999
TC Seq. Name :HRD3005A (Start function)				
TimeTag Type: Sub Schedule ID: <input type="checkbox"/>				
2		Send TC(8,1,110) to start the function		Next Step: 3
		Start Mode Management telecommand is used for switching ON the function.		
		Execute Telecommand StartModeManag Command Parameter(s) : Function_ID DH010170 TC Control Flags : GBM IL DSE --Y -- --- Subsch. ID : 10 Det. descr. : Start Mode Management TC(8,1,110)	DC98F170 Mode_Manag (Def)	
3		Verify that the function has been started		Next Step: END
		Verify Telemetry ModeSts DEH21170	= Running	AND=ZAZAI999

Start or stop the whole mode management function
 File: H_CRP_DHS_3005.xls
 Author: S. Manganelli



Step No.	Time	Activity/Remarks	TC/TLM	Display/ Branch
<p><i>TC Seq. Name :HRD3005B (Stop function)</i></p> <p><i>TimeTag Type:</i> <i>Sub Schedule ID:</i></p> <p>□</p>				
4		WARNING		Next Step: 5
		<p>Stopping the Mode Management function results in following Mode transition related TCs to be rejected:</p> <ul style="list-style-type: none"> - Arm a Mode Transition TC(8,4,101,1); - Fire a Mode Transition TC(8,4,101,2); - Disarm a Mode Transition TC(8,4,101,5). <p>Note the following 2 TCs will also be rejected once the Mode Management function is stopped:</p> <ul style="list-style-type: none"> - Arm Stopping of Mode Management TC(8,4,101,4); - Disarm Stopping of Mode Management TC(8,4,101,6). 		
5		Arm stop function TC(8,4,110,4)		Next Step: 6
		The telecommand Stop Mode Management telecommand, used for switching OFF the function, is considered critical, and therefore must be armed before use with a TC(8,4,110,4).		
		<p>Execute Telecommand</p> <p style="text-align: right;">ModeManArmStop</p> <p>TC Control Flags :</p> <p style="text-align: right;">GBM IL DSE --Y -- --</p> <p>Subsch. ID : 10 Det. descr. : TEMPLATE Arm Stop of Mode Management TC(8,4,110,4)</p>	DC94F170	
6		Send TC(8,2,110) to stop the function		Next Step: 7
		<p>Execute Telecommand</p> <p style="text-align: right;">StopModeManag</p> <p>Command Parameter(s) :</p> <p style="text-align: right;">Function_ID DH010170</p> <p style="text-align: right;">Mode_Manag (Def)</p> <p>TC Control Flags :</p> <p style="text-align: right;">GBM IL DSE --Y -- --</p> <p>Subsch. ID : 10 Det. descr. : Stop Mode Management TC(8,2,110)</p>	DC99F170	
7		Verify that the function has been stopped		Next Step: END

Start or stop the whole mode management function
 File: H_CRP_DHS_3005.xls
 Author: S. Manganelli



Step No.	Time	Activity/Remarks	TC/TLM	Display/ Branch
		Verify Telemetry ModeSts DEH21170	= Stopped	AND=ZAZAI999
End of Procedure				