

Start/Stop Lou Baffle Management function
File: H_CRP_SYS_LOUM.xls
Author: E. Picallo



Procedure Summary

Objectives

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

Summary of Constraints

Note that by default the function is started, but the controlling is disabled. Thus the Function can execute all telecommands, but the Lou Baffle heaters are not controlled as long as TC(8,4,118,1) enabling the LOU Baffle Thermal Control is not sent.

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

- Start Function TC(8,1,118);
- Report Function Status TC(8,5,118).

The LOU management function shall always remain activated. Therefore the command to stop the LOU baffle management shall not be used.

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

HRYLOUM1
HRYLOUM2

Referenced Displays

ANDs	GRDs	SLDs
ZAZ9I999		

Configuration Control Information

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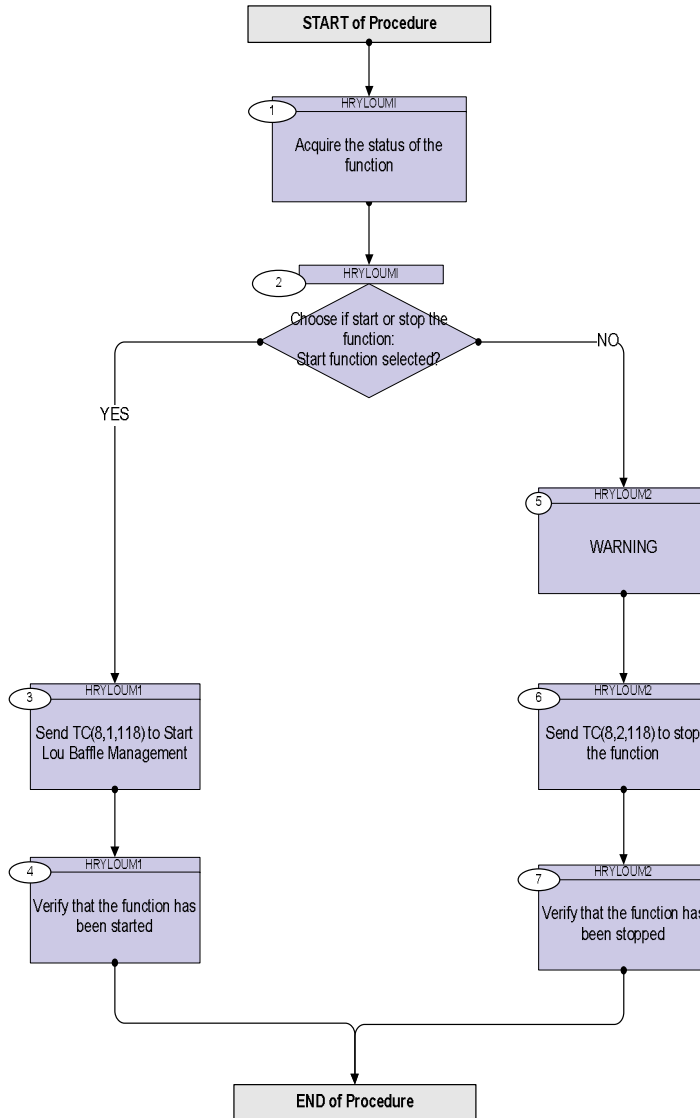


DATE	FOP ISSUE	VERSION	MODIFICATION DESCRIPTION	AUTHOR	SPR REF
04/08/08	1	1	Created	E. Picallo	
08/01/09	2	2	Check the current LOU Baffle Management settings before the start of the funtion deleted	E. Picallo	

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Procedure Flowchart Overview



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Step No.	Time	Activity/Remarks	TC/TLM	Display/ Branch
4		Verify that the function has been started		Next Step: END
		Verify Telemetry LbSts DEN66170	= Running	AND=ZAZ9I999
<p>TC Seq. Name : HRYLOUM2 (Stop LOU Mgmt)</p> <p>TimeTag Type: N Sub Schedule ID: □</p>				
5		WARNING		Next Step: 6
		<p>Stopping the Lou Baffle Management function results in the rejection of any subsequent Lou Baffle Management related TCs other than 'Start' or 'Report Status'.</p> <p>Adtionally stoping the function will perform the following actions if the LOU baffle control is currently enabled:</p> <ul style="list-style-type: none"> - Disable Lou Baffle Control - Switch OFF all the LOU Baffle Heaters (open the related LCL) 		
6		Send TC(8,2,118) to stop the function		Next Step: 7
		<p>Stop LOU Baffle Management telecommand is used for switching OFF the function.</p> <p>When the function is stopped, it does not accept any other telecommands than the Start Function and Report Function Status TCs.</p>		
		<p>Execute Telecommand</p> <p style="text-align: center;">Stop_LouBaffle_Manag</p> <p>TC Control Flags :</p> <p style="text-align: center;">GBM IL DSE --Y -- ---</p> <p>Subsch. ID : 10 Det. descr. : Stop LouBaffle Management TC(8,2,118)</p>	DCP02170	
7		Verify that the function has been stopped		Next Step: END
		Verify Telemetry LbSts DEN66170	= Stopped	AND=ZAZ9I999
End of Procedure				