

Write survival register after separation
 File: H_FCP_DHS_1012.xls
 Author: cmevi-hp



Procedure Summary

Objectives

Dedicated procedure to update the survival register after separation (separation bits set to "separated")

Summary of Constraints

n/a

Spacecraft Configuration

Start of Procedure

Type Pre-condition Here

End of Procedure

Type Post-condition Here

Reference File(s)

Input Command Sequences

Output Command Sequences

HFD1012

Referenced Displays

ANDs	GRDs	SLDs
ZAZ28999		(None)
ZAZ7R999		XL002999
ZAZAI999		

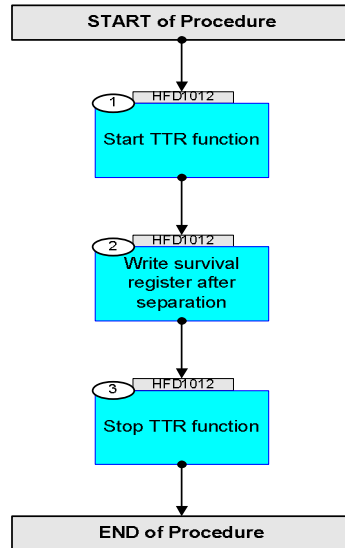
Configuration Control Information

DATE	FOP ISSUE	VERSION	MODIFICATION DESCRIPTION	AUTHOR	SPR REF
11/02/08		1	Created	cmevi-hp	
23/06/08		2	Commands to re-enable RMA and RMB added to procedure.	cmevi-hp	
26/06/08	1	3	Added TM verifications and switch on-off of the TTR management function	S. Manganelli	
24/10/08		4	DB check against OBSW 3_6_2	S. Manganelli	
11/12/08	2	5	Added TM read before write, use of scrolling display	S. Manganelli	
23/03/09	2.2	6	Start/stop TTR function associated to specific steps. Some comments added as well.	cmevi-hp	

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Procedure Flowchart Overview



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Step No.	Time	Activity/Remarks	TC/TLM	Display/ Branch	AIT Comment
Beginning of Procedure					
HFD1012 TC Seq. Name :HFD1012 (Sep in surv register) TimeTag Type: N Sub Schedule ID: □					
1		Start TTR function		Next Step: 2	
		Verify Telemetry TtrSts DEL17170	= Stopped	AND=ZAZAI999	
		If the TTR Management function is already running go to next step.			
		Execute Telecommand StartTtrManag TC Control Flags : GBM IL DSE --Y -- --- Subsch. ID : 10 Det. descr. : Start Ttr Management TC(8,1,109)	DCN06170	TC	
		Verify Telemetry TtrSts DEL17170	= Running	AND=ZAZAI999	
2		Write survival register after separation		Next Step: 3	
		Open Scrolling Display XL002999			
		Execute Telecommand RM_A_Disable TC Control Flags : GBM IL DSE --Y -- --- Subsch. ID : 10 Det. descr. : RM A Disable - High Priority Standard	DCA11170	TC	
		Execute Telecommand ReadSurvContxt Command Parameter(s) : RmId DH093170 TC Control Flags : GBM IL DSE --Y -- --- Subsch. ID : 10 Det. descr. : TEMPLATE Read Survival Context TC(8,4,109,6)	DCT60170 RM_A (Def)	TC	

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Step No.	Time	Activity/Remarks	TC/TLM	Display/ Branch	AIT Comment
		Execute Telecommand <p style="text-align: right;">WriteSurvContxt</p> <i>Command Parameter(s) :</i> <p style="margin-left: 100px;">RmId DH093170 SurvBits1 DH100170 SurvBits2 DH101170</p> <i>TC Control Flags :</i> <p style="margin-left: 100px;">GBM IL DSE --Y -- ---</p> <i>Subsch. ID : 10</i> Det. descr. : TEMPLATE Write Survival Context TC(8,4,109,7)	DCT61170	TC	
		Execute Telecommand <p style="text-align: right;">ReadSurvContxt</p> <i>Command Parameter(s) :</i> <p style="margin-left: 100px;">RmId DH093170</p> <i>TC Control Flags :</i> <p style="margin-left: 100px;">GBM IL DSE --Y -- ---</p> <i>Subsch. ID : 10</i> Det. descr. : TEMPLATE Read Survival Context TC(8,4,109,6)	DCT60170	TC	
		Verify Telemetry <p style="margin-left: 100px;">RmId DE283170</p>	= RM_A	AND=ZAZ7R999	
		Verify Telemetry <p style="margin-left: 100px;">SurvBits1 DE343170</p>	= 197623 <dec>	SLD=XL002999	
		Verify Telemetry <p style="margin-left: 100px;">SurvBits2 DE344170</p>	= 16187649 <dec>	SLD=XL002999	
		Execute Telecommand <p style="text-align: right;">RM_A_enable</p> <i>TC Control Flags :</i> <p style="margin-left: 100px;">GBM IL DSE --Y -- ---</p> <i>Subsch. ID : 10</i> Det. descr. : RM A enable - High Priority Standard	DCA14170	TC	
		Execute Telecommand <p style="text-align: right;">RM_B_Disable</p> <i>TC Control Flags :</i> <p style="margin-left: 100px;">GBM IL DSE --Y -- ---</p> <i>Subsch. ID : 10</i> Det. descr. : RM B Disable - High Priority Standard	DCA12170	TC	
		Execute Telecommand <p style="text-align: right;">ReadSurvContxt</p> <i>Command Parameter(s) :</i> <p style="margin-left: 100px;">RmId DH093170</p> <i>TC Control Flags :</i> <p style="margin-left: 100px;">GBM IL DSE --Y -- ---</p> <i>Subsch. ID : 10</i> Det. descr. : TEMPLATE Read Survival Context TC(8,4,109,6)	DCT60170	TC	

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Step No.	Time	Activity/Remarks	TC/TLM	Display/ Branch	AIT Comment
		Execute Telecommand <p style="text-align: right;">WriteSurvContxt</p> <i>Command Parameter(s) :</i> <p style="text-align: right;">RmId DH093170 SurvBits1 DH100170 SurvBits2 DH101170</p> <i>TC Control Flags :</i> <p style="text-align: right;">GBM IL DSE --Y -- ---</p> <i>Subsch. ID : 10</i> Det. descr. : TEMPLATE Write Survival Context TC(8,4,109,7)	DCT61170	TC	
		Execute Telecommand <p style="text-align: right;">ReadSurvContxt</p> <i>Command Parameter(s) :</i> <p style="text-align: right;">RmId DH093170</p> <i>TC Control Flags :</i> <p style="text-align: right;">GBM IL DSE --Y -- ---</p> <i>Subsch. ID : 10</i> Det. descr. : TEMPLATE Read Survival Context TC(8,4,109,6)	DCT60170	TC	
		Verify Telemetry <p style="text-align: right;">RmId DE283170</p>	= RM_B	AND=ZAZ7R999	
		Verify Telemetry <p style="text-align: right;">SurvBits1 DE343170</p>	= 000303F7 <hex>	(None)	
		Verify Telemetry <p style="text-align: right;">SurvBits2 DE344170</p>	= 00F70101 <hex>	(None)	
		Execute Telecommand <p style="text-align: right;">RM_B_enable</p> <i>TC Control Flags :</i> <p style="text-align: right;">GBM IL DSE --Y -- ---</p> <i>Subsch. ID : 10</i> Det. descr. : RM B enable - High Priority Standard	DCA15170	TC	
3		Stop TTR function		Next Step: END	
		Verify Telemetry <p style="text-align: right;">TtrSts DELL17170</p>	= Running	AND=ZAZAI999	
		If the TTR Management function is already stopped go to next step.			
		Execute Telecommand <p style="text-align: right;">StopTtrManag</p> <i>TC Control Flags :</i> <p style="text-align: right;">GBM IL DSE --Y -- ---</p> <i>Subsch. ID : 10</i> Det. descr. : Stop Ttr Management TC(8,2,109)	DCN07170	TC	
		Verify Telemetry <p style="text-align: right;">TtrSts DELL17170</p>	= Stopped	AND=ZAZAI999	
End of Sequence					
End of Procedure					