

Synchronise SSMMB pointers to SSMA values.  
 File: H\_CRP\_DHS\_1007.xls  
 Author: cmevi-hp



## Procedure Summary

### Objectives

This procedure should be run to synchronise SSMMB pointers with SSMA pointers.

### Summary of Constraints

The procedure assumes that both SSMA and SSMB status was Healthy in previous DTCP.

### 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**

HRD1007A  
 HRD1007B

### Referenced Displays

ANDs	GRDs	SLDs
ZAZAC999		
ZAZ7P999		
ZAZ7T999		
ZAZ7X999		

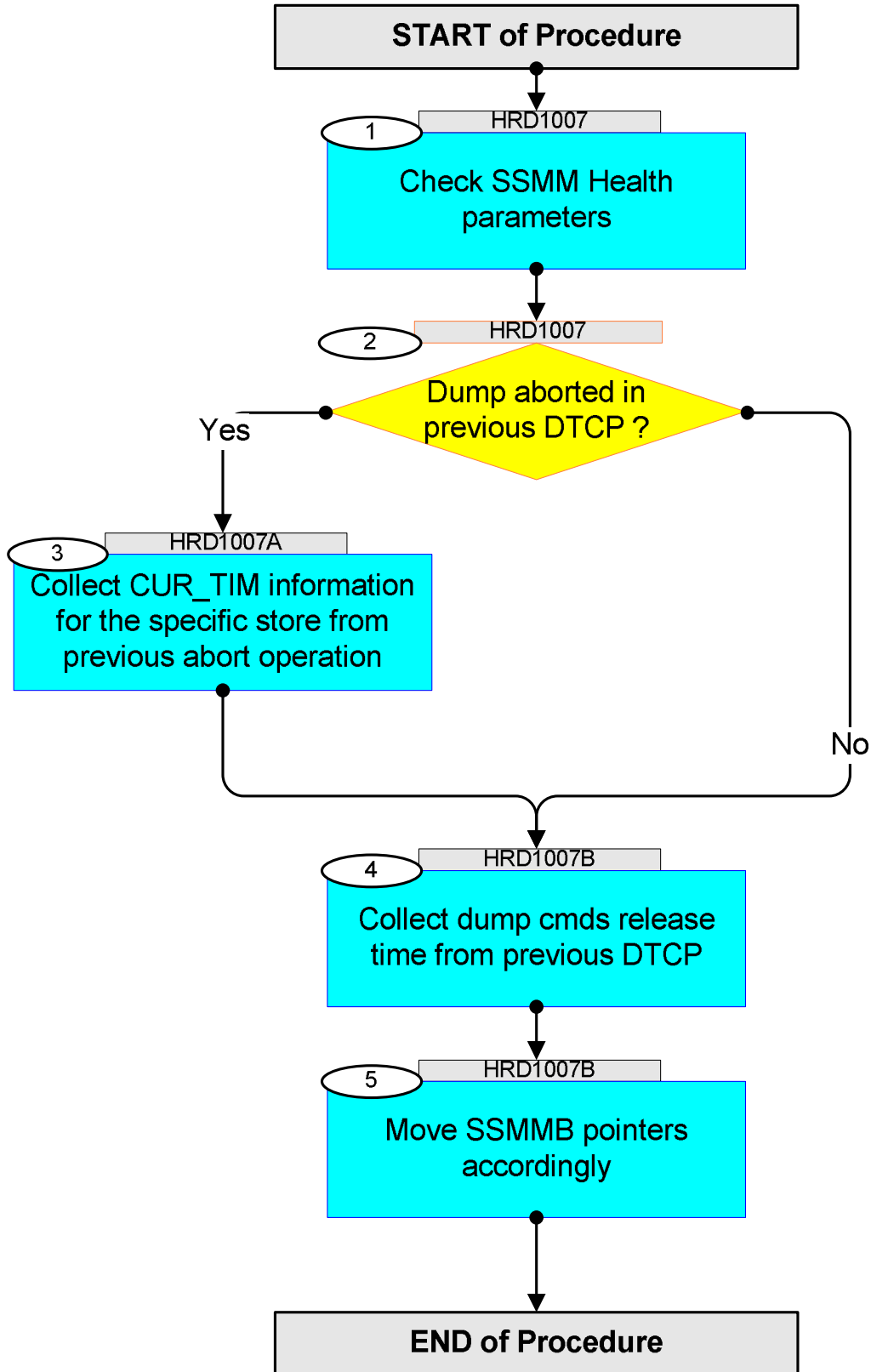
### Configuration Control Information

DATE	FOP ISSUE	VERSION	MODIFICATION DESCRIPTION	AUTHOR	SPR REF
07/10/09	2.5	1	Created	cmevi-hp	

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### Procedure Flowchart Overview



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Step No.	Time	Activity/Remarks	TC/TLM	Display/ Branch	AIT Comment
<b>Beginning of Procedure</b>					
HRD1007 TC Seq. Name : HRD1007 ( Dummy sequence ) TimeTag Type: B Sub Schedule ID: □					
1		Check SSMM Health parameters		Next Step: 2	
		<b>SSMMA must be considered NOT usable if just one of the following parameters is in DISABLED/Unhealthy status.</b>			
		Verify Telemetry MmBrdA_UpdateEn DEJM1160 = DISABLED		AND=ZAZAC999	
		Verify Telemetry MmBrdA_Enabled DEJM2160 = DISABLED		AND=ZAZAC999	
		Verify Telemetry MmBrdA_Healthy DEJM3160 = Unhealthy		AND=ZAZAC999	
		Verify Telemetry MmIntA_UpdateEn DEJMG160 = DISABLED		AND=ZAZAC999	
		Verify Telemetry MmIntA_Enabled DEJMH160 = DISABLED		AND=ZAZAC999	
		Verify Telemetry MmIntA_Healthy DEJMZ160 = Unhealthy		AND=ZAZAC999	
		Verify Telemetry MmIcBA_UpdateEn DEJN1160 = DISABLED		AND=ZAZAC999	
		Verify Telemetry MmIcBA_Enabled DEJN2160 = DISABLED		AND=ZAZAC999	
		Verify Telemetry MmIcBA_Healthy DEJN3160 = Unhealthy		AND=ZAZAC999	
		<b>The procedure assumes that all SSMMB Health components are ENABLED/Healthy, so the following TM checks must be ALL verified.</b>			
		Verify Telemetry MmBrdB_UpdateEn DEJM4160 = ENABLED		AND=ZAZAC999	
		Verify Telemetry MmBrdB_Enabled DEJM5160 = ENABLED		AND=ZAZAC999	
		Verify Telemetry MmBrdB_Healthy DEJM6160 = Healthy		AND=ZAZAC999	
		Verify Telemetry MmIntB_UpdateEn DEJMJ160 = ENABLED		AND=ZAZAC999	
		Verify Telemetry MmIntB_Enabled DEJMK160 = ENABLED		AND=ZAZAC999	
		Verify Telemetry MmIntB_Healthy DEJML160 = Healthy		AND=ZAZAC999	
		Verify Telemetry MmIcBB_UpdateEn DEJN4160 = ENABLED		AND=ZAZAC999	
		Verify Telemetry MmIcBB_Enabled DEJN5160 = ENABLED		AND=ZAZAC999	

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Step No.	Time	Activity/Remarks	TC/TLM	Display/ Branch	AIT Comment
		Verify Telemetry <b>MmIcbB_Healthy</b> <b>DEJN6160</b>	<b>= Healthy</b>	AND=ZAZAC999	
		In case SSMMA can not be used (one or more of its health table components is DISABLED/Unhealthy), for each store the following can be applicable:  1) the dump was also aborted for the considered SSMMA store in the previous DTCP: in this case command DC166160 below must be filled using the information in the corresponding CUR_TIM_xxx parameter in the AND printed just before aborting the dump.  2) the dump was completed for the considered SSMMA store in the previous DTCP: in this case command DC166160 below must be filled simply using the release time of the corresponding dump command (read from the Command History application) in the previous DTCP.			
2		Dump aborted in previous DTCP ?  type: [If]		Next Step: No 4 Yes 3	
End of Sequence					
TC Seq. Name :HRD1007A ( Collect info abort )					
HRD1007A					
TimeTag Type: B Sub Schedule ID:  <input type="checkbox"/>					
3		Collect CUR_TIM information for the specific store from previous abort operation		Next Step: 4	
		In order to resume an aborted packet store dump, the packet store pointers must be updated. In order to do that, the value from the corresponding CUR_TIM pointer shall be taken from the AND print associated with the ABORT activity.			
		Depending on which packet store dump has been aborted, one of the following values should be taken from the corresponding AND printed just before aborting the dump:			
		STORE 1: Get value from ABORT operation <b>CUR_TIM_001</b> <b>XM366991</b>		AND=ZAZ7P999	
		STORE 2: Get value from ABORT operation <b>CUR_TIM_002</b> <b>XM367991</b>		AND=ZAZ7T999	
		STORE 3: Get value from ABORT operation <b>CUR_TIM_003</b> <b>XM368991</b>		AND=ZAZ7T999	
		STORE 4: Get value from ABORT operation <b>CUR_TIM_004</b> <b>XM369991</b>		AND=ZAZ7X999	
		The above are absolute time parameters and the one for the involved store must be used in the following command DC166160. <b>In order to take some margin, it is recommended to subtract 5 minutes to the absolute time read in the parameters above in order to fill the corresponding parameter DH062160 in command DC166160 to be used in next step.</b> The parameters CUR_TIM above must be used ONLY for the store whose dump has been aborted.			

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Step No.	Time	Activity/Remarks	TC/TLM	Display/ Branch	AIT Comment
		Enter the Packet Store ID and the Time Value in command <b>DC166160</b> .			
		In the following command DC166160, parameter DH003160 "Store_ID" must be filled replacing the SSMA store_ID with the corresponding SSMMB Store_ID:  Store_1 --> Store_129 Store_2 --> Store_130 Store_3 --> Store_131			
		Set Packet Store dump Pointer Value <b>DownlinkTimeP_After</b>  Command Parameter(s) : Store_Id                  DH003160                  <dec> (Def) Storage_Time              DH062160                  <abs> (Def)  TC Control Flags : GBM IL DSE --Y -- ---  Subsch. ID : 10 Det. descr. : Downlink Packets after Storage Time This Telecommand will not be included in the export	<b>DC166160</b>	<b>TC</b>	
End of Sequence					
TC Seq. Name :HRD1007B ( Move SSMMB pointers )  <b>HRD1007B</b>  TimeTag Type: Sub Schedule ID:  <input type="checkbox"/>					
4		Collect dump cmds release time from previous DTCP		Next Step: 5	
		For the stores whose dump was not aborted in the previous DTCP, parameter DH062160 in command DC166160 must be filled with the time (subtracting 5 minutes as margin) of the release of the corresponding dump from SSMA in the previous DTCP, as read from the Command History application.			
5		Move SSMMB pointers accordingly		Next Step: END	
		Enter the Packet Store ID and the Time Value in command <b>DC166160</b> .			
		In the following command DC166160, parameter DH003160 "Store_ID" must be filled replacing the SSMA store_ID with the corresponding SSMMB Store_ID:  Store_0 --> Store_128 Store_1 --> Store_129 Store_2 --> Store_130 Store_3 --> Store_131			

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Step No.	Time	Activity/Remarks	TC/TLM	Display/ Branch	AIT Comment
		Set Packet Store dump Pointer Value <b>DownlinkTimeP_After</b>  <i>Command Parameter(s) :</i> <b>Store_Id</b> DH003160 <b>Storage_Time</b> DH062160  <i>TC Control Flags :</i> <b>GBM IL DSE</b> --Y -- ---  <i>Subsch. ID : 10</i> Det. descr. : Downlink Packets after Storage Time This Telecommand will not be included in the export	DC166160	TC	
		At the end of the procedure, a command DC166160 must have been used, with the proper parameter values, for each SSMMB store. From now on, the nominal DTCP procedure should dump SSMMB stores instead of SSMA stores.			
		<b>The following replacement should be done in all applicable procedures:</b>  <b>Store_0 --&gt; Store_128</b> <b>Store_1 --&gt; Store_129</b> <b>Store_2 --&gt; Store_130</b> <b>Store_3 --&gt; Store_131</b>			
End of Sequence					
<b>End of Procedure</b>					