Loss of TM link
File: H_CRP_DHS_3043.xls
Author: cmevi-hp

Procedure Summary

Objectives

This procedure describes the steps needed to re-establish the TM link; the sequence of operations performed are in the following priority order:
- reset the TM Encoder in use;
- set the lowest bit rate (TM Encoder and TX in use);
- TM Encoder switchover;
- TTC chain switchover.

If after the execution of one of the above steps the telemetry is re-acquired the other steps will be skipped, otherwise next step has to be taken.

Summary of Constraints

n/a

Spacecraft Configuration

Start of Procedure

n/a

End of Procedure

n/a

Reference File(s)

Input Command Sequences
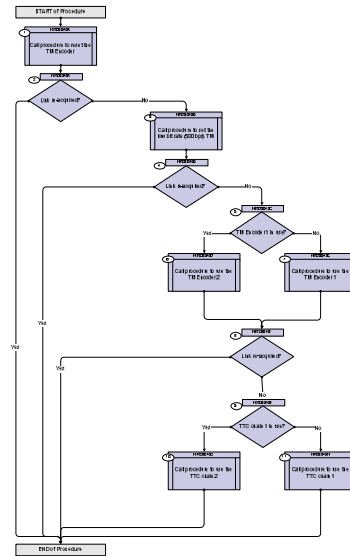
Output Command Sequences

Referenced Displays

ANDs   GRDs   SLDs

Configuration Control Information

DATE	FOP ISSUE	VERSION	MODIFICATION DESCRIPTION	AUTHOR	SPR REF
14/11/08	2	1	Created	cmevi-hp	

Status : Version 1 - Unchanged
Last Checkin: 14/11/08

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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 :HRD3043A (Reset TM Encoder) *TimeTag Type:* *Sub Schedule ID:*		
1		*Call procedure to reset the TM Encoder*		Next Step: 2
		Execute procedure H_CRP_DHS_3012.		
2		*Link re-acquired?*		Next Step: No 3 Yes END
		TC Seq. Name :HRD3043B (Set 500 bps) *TimeTag Type:* *Sub Schedule ID:*		
3		*Call procedure to set the low bit rate (500 bps) TM*		Next Step: 4
		In the called procedure, skip step 1		
		Execute procedure H_CRP_TTC_TUL1.		
4		*Link re-acquired?*		Next Step: No 5 Yes END
		TC Seq. Name :HRD3043C (Dummy sequence) *TimeTag Type:* *Sub Schedule ID:*		
5		*TM Encoder 1 in use?*		Next Step: Yes 6 No 7
		TC Seq. Name :HRD3043D (Use TM Encoder 2) *TimeTag Type:* *Sub Schedule ID:*		

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6		*Call procedure to use the TM Encoder 2*		Next Step: 8
		In the called procedure, skip steps 1 to 9		
		Execute procedure H_FCP_DHS_3007.		
		TC Seq. Name :HRD3043E (Use TM Encoder 1) *TimeTag Type:* *Sub Schedule ID:*		
7		*Call procedure to use the TM Encoder 1*		Next Step: 8
		In the called procedure, skip steps 1 to 9		
		Execute procedure H_FCP_DHS_3006.		
		TC Seq. Name :HRD3043F (Dummy sequence) *TimeTag Type:* *Sub Schedule ID:*		
8		*Link re-acquired?*		Next Step: Yes END No 9
9		*TTC chain 1 in use?*		Next Step: Yes 10 No 11
		TC Seq. Name :HRD3043G (Use TTC chain 2) *TimeTag Type:* *Sub Schedule ID:*		
10		*Call procedure to use the TTC chain 2*		Next Step: END
		Execute procedure H_COP_TTC_T12.		

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Step No.	Time	Activity/Remarks	TC/TLM	Display/ Branch
		TC Seq. Name :HRD3043H (Use TTC chain 1) *TimeTag Type: Sub Schedule ID:*		
11		*Call procedure to use the TTC chain 1*		Next Step: END
		Execute procedure H_COP_TTC_T21.		

End of Procedure