SMEC LVDT Back-up Mode Test.
File: H_COP_SPI_SMLV.xls
Author: L.Lucas-hp

# Procedure Summary

## Objectives

The objective of this procedure is to stipulate which procedures are required for the SPIRE SMEC LVDT Back-up Mode Test.

## Summary of Constraints

The saved stack files should have been generated prior to the DTCP and sent to the HSC/ICC as defined in the procedure H_GSP_MCS_MSTK.

1 OBS_ID value is required from the HSC.

## 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 |
|---|---|---|---|---|---|
| 27/02/09 | 2.1 | 1 | Created | L.Lucas-hp | |

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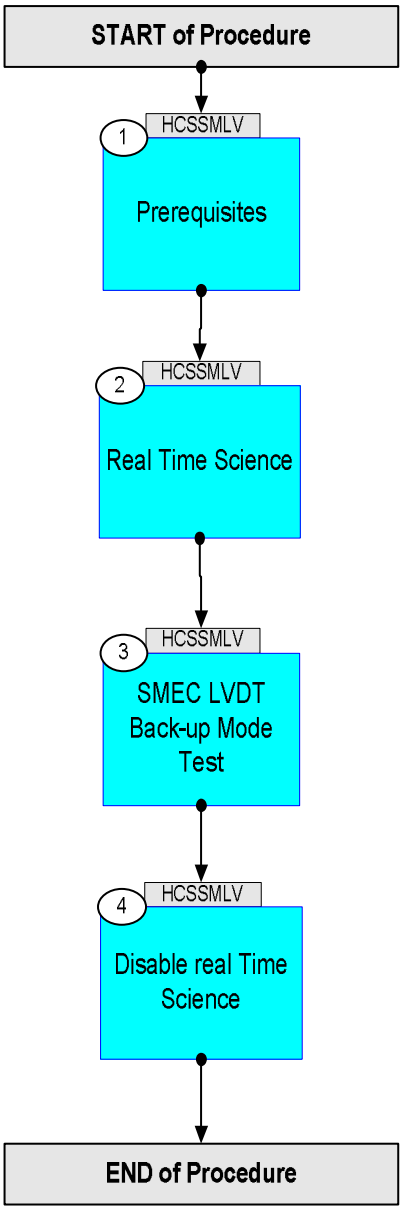
# Procedure Flowchart Overview



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| Step No. | Time | Activity/Remarks | TC/TLM | Display/ Branch |
|---|---|---|---|---|
| | | **Beginning of Procedure** | | |
| | | *TC Seq. Name :HCSSMLV* (SMEC LVDT Backup Tes)<br><br>*TimeTag Type:*<br>*Sub Schedule ID:* | | |
| 1 | | *Prerequisites* | | Next Step: 2 |
| | | The following test consists of one activity. An activity is represented by one saved stack file to be generated prior to the DTCP.<br><br>Each stack should allso be delivered to the HSC/ICC using the procedure defined in **H_GSP_MCS_MSTK** | | |
| | | **NOTE:**<br>Naming Convention for saved stack file:<br><br>**yyyymmdd_nnnn_H_SAVED_xxvv**<br><br>yyyy = Year *[of expected uplink]*<br>mm = Month *[of expected uplink]*<br>dd = Day *[of expected uplink]*<br>nnnn = OD *[of expected uplink]*<br>xx = TSF number (defined in each activity)<br>vv = version number | | |
| | | **Note:**<br>The procedure defined below should be brought into the TBC saved stack file prior to the DTCP:<br><br>**yyyymmdd_nnnn_H_SAVED_xxvv**<br><br>This file is then called up and executed on the manual stack during the DTCP. | | |
| | | | | |
| 1.1 | | *Verify HSC/ICC inputs* | | |
| | | Prerequisites, verify:<br>**DPU s/w version/subversion**<br>**SPU s/w version/subversion**<br><br>FP:<br>OBS_ID (quantity 1) | | |
| | | | | |
| 2 | | *Real Time Science* | | Next Step: 3 |
| | | | | |
| 2.1 | | *Verify Real Time Science is Available.* | | |
| | | Real Time Science data is required. Check the NCTRS for VC1. | | |

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| Step No. | Time | Activity/Remarks | TC/TLM | Display/ Branch |
|---|---|---|---|---|
| | | If VC1 is not available, consult with SOM.<br>Upon confirmation from SOM, run the following procedure to enable RTS.<br>PROCEDURE:<br>**H_FCP_DHS_1013A [HFD1013A]** | | |
| | | | | |
| 3 | | *SMEC LVDT Back-up Mode Test* | | Next Step:<br>4 |
| | | This is a contingency procedure.<br>**Note:**<br>The procedure defined below should be brought into the TBC saved stack file prior to the DTCP:<br><br>**yyyymmdd_nnnn_H_SAVED_xxvv**<br><br>This file is then called up and executed on the manual stack during the DTCP. | | |
| | | | | |
| 3.1 | | *Activity procedures* | | □ |
| | | Run the following one, 1 procedure. | | |
| | | | | |
| 3.1.1 | | *SMEC LVDT Back-up Mode Test Procedure and Sequence* | | □ |
| | | PROCEDURE:<br>**H_COP_SPI_LVBT [HCSLVBT]**<br><br>FP:<br>**OBS_ID** | | |
| | | | | |
| 4 | | *Disable real Time Science* | | Next Step:<br>END |
| | | Real Time Science data is no longer required. | | |
| | | Consult with SOM.<br>Upon confirmation from SOM, run the following procedure to disable RTS.<br>PROCEDURE:<br>**H_FCP_DHS_1013B [HFD1013B]** | | |
| | | | | |
| | | | | |
| | | **End of Procedure** | | |