

## LFR-FSW - Bug #177

### EM : Envoi TC\_LFR\_LOAD\_SBMx\_PARAM est interdit en mode SBM1 et SBM2

20/06/2014 09:43 AM - Veronique bouzid

<b>Status:</b>	Closed	<b>Start date:</b>	20/06/2014
<b>Priority:</b>	Immediate	<b>Due date:</b>	
<b>Assignee:</b>	Veronique bouzid	<b>% Done:</b>	0%
<b>Category:</b>		<b>Estimated time:</b>	0.00 hour
<b>Target version:</b>		<b>Spent time:</b>	0.00 hour
<b>revision:</b>	r0		

#### Description

EN mode SBM1 et SBM2, on ne peut envoyer de TC\_LFR\_LOAD\_SBM1\_PARAM et TC\_LFR\_LOAD\_SBM2\_PARAM. Gérald a décrit un tableau dans le requirement REQ-LFR-SRS-5207\_Ed1 qui récapitule ce que les TC autorisées en fct du mode de LFR et celui du DAS.

--> Il faut donc générer des TM\_LFR\_TC\_EXE\_NOT\_EXECUTABLE au lieu des TM\_LFR\_TC\_EXE\_SUCCESS  
Voici les traces  
en SBM1

on ne doit pas accepter de changer les parametres du SBM2

--> repondre TM\_LFR\_TC\_EXE\_NOT\_EXECUTABLE et non une TM\_LFR\_TC\_EXE\_SUCCESS

14:21:30.394448, TM\_LFR\_HK, HK\_LFR\_MODE: SBM1 = 3

14:21:30.803258, TC\_LFR\_LOAD\_SBM2\_PAR, CCSDS\_VERSION\_NUMBER = 0, PACKET\_TYPE: TC\_PACKET = 1, DATA\_FIELD\_HEADER\_FLAG: WITH\_HEADER = 1, PROCESS\_ID: RPW\_PID\_2 = 76, PACKET\_CATEGORY: PRIVATE\_SCIENCE\_OR\_TELECOMMAND = 12, (PACKET\_ID=0x1ccc), SEGMENTATION\_GROUPING\_FLAG: STANDALONE\_PACKET = 3, SEQUENCE\_CNT=9018, (PACKET\_SEQUENCE\_CONTROL=0xe33a), PACKET\_LENGTH=7, CCSDS\_SECONDARY\_HEADER\_FLAG=0, PUS\_VERSION = 1, ACK\_EXECUTION\_COMPLETION=0, ACK\_EXECUTION\_PROGRESS=0, ACK\_EXECUTION\_START=0, ACK\_ACCEPTANCE=0, SERVICE\_TYPE: EQ\_CONFIGURATION = 181, SERVICE\_SUBTYPE: LOAD\_SBM2\_PARAMETERS = 27, SOURCE\_ID: MISSION\_TIMELINE = 110, SY\_LFR\_S2\_BP\_P0 = 1, SY\_LFR\_S2\_BP\_P1 = 5, CRC = 0x76fa

14:21:30.894486, TM\_LFR\_TC\_EXE\_SUCCESS, CCSDS\_VERSION\_NUMBER = 0, PACKET\_TYPE: TM\_PACKET = 0, DATA\_FIELD\_HEADER\_FLAG: WITH\_HEADER = 1, PROCESS\_ID: RPW\_PID\_2 = 76, PACKET\_CATEGORY: ACKNOWLEDGE = 1, (PACKET\_ID=0xcc1), SEGMENTATION\_GROUPING\_FLAG: STANDALONE\_PACKET = 3, SEQUENCE\_CNT=111, (PACKET\_SEQUENCE\_CONTROL=0xc06f), PACKET\_LENGTH=13, SPARE\_1=0, PUS\_VERSION = 1, SPARE\_2=0, SERVICE\_TYPE: TELECOMMAND\_VERIFICATION = 1, SERVICE\_SUBTYPE: TC\_EXECUTION\_COMPLETION\_SUCCESS = 7, DESTINATION\_ID: MISSION\_TIMELINE = 110, TIME=0x800001cbbc3, PA\_RPW\_TELECOMMAND\_PKT\_ID=0x1ccc, PA\_RPW\_PKT\_SEQ\_CONTROL=0xe33a

on ne doit pas accepter de changer les parametres du SBM1

--> repondre TM\_LFR\_TC\_EXE\_NOT\_EXECUTABLE et non une TM\_LFR\_TC\_EXE\_SUCCESS

14:21:33.294332, TM\_LFR\_HK, HK\_LFR\_MODE: SBM2 = 4

14:21:33.697692, TC\_LFR\_LOAD\_SBM1\_PAR, CCSDS\_VERSION\_NUMBER = 0, PACKET\_TYPE: TC\_PACKET = 1, DATA\_FIELD\_HEADER\_FLAG: WITH\_HEADER = 1, PROCESS\_ID: RPW\_PID\_2 = 76, PACKET\_CATEGORY: PRIVATE\_SCIENCE\_OR\_TELECOMMAND = 12, (PACKET\_ID=0x1ccc), SEGMENTATION\_GROUPING\_FLAG: STANDALONE\_PACKET = 3, SEQUENCE\_CNT=6413, (PACKET\_SEQUENCE\_CONTROL=0xd90d), PACKET\_LENGTH=7, CCSDS\_SECONDARY\_HEADER\_FLAG=0, PUS\_VERSION = 1, ACK\_EXECUTION\_COMPLETION=0, ACK\_EXECUTION\_PROGRESS=0, ACK\_EXECUTION\_START=0, ACK\_ACCEPTANCE=0, SERVICE\_TYPE: EQ\_CONFIGURATION = 181, SERVICE\_SUBTYPE: LOAD\_SBM1\_PARAMETERS = 25, SOURCE\_ID: MISSION\_TIMELINE = 110, SY\_LFR\_S1\_BP\_P0 = 0.25(s), SY\_LFR\_S1\_BP\_P1 = 1(s), CRC = 0xa7e5

14:21:33.794294, TM\_LFR\_TC\_EXE\_SUCCESS, CCSDS\_VERSION\_NUMBER = 0, PACKET\_TYPE: TM\_PACKET = 0, DATA\_FIELD\_HEADER\_FLAG: WITH\_HEADER = 1, PROCESS\_ID: RPW\_PID\_2 = 76, PACKET\_CATEGORY: ACKNOWLEDGE = 1, (PACKET\_ID=0xcc1), SEGMENTATION\_GROUPING\_FLAG: STANDALONE\_PACKET = 3, SEQUENCE\_CNT=121, (PACKET\_SEQUENCE\_CONTROL=0xc079), PACKET\_LENGTH=13, SPARE\_1=0, PUS\_VERSION = 1, SPARE\_2=0, SERVICE\_TYPE: TELECOMMAND\_VERIFICATION = 1, SERVICE\_SUBTYPE: TC\_EXECUTION\_COMPLETION\_SUCCESS = 7, DESTINATION\_ID: MISSION\_TIMELINE = 110, TIME=0x800001f9e39, PA\_RPW\_TELECOMMAND\_PKT\_ID=0x1ccc, PA\_RPW\_PKT\_SEQ\_CONTROL=0xd90d

Contexte:

SocExplorerEngine.getSocExplorer: Version = 0.2.2, Branch = default, Changeset = c839740ef520

Carte EM

Vhdl: EM\_1.1.23

Brique Star-Dundee S/N <illisible>.

Soft:1.0.0.11 (variante sur carte finale)

TEST CASE = SVS-0007

le fichier d'analyse est /home/validation/data/R2/SVS-0007/2014\_06\_19-14\_21\_35-Detail.txt

## History

### #1 - 20/06/2014 03:39 PM - paul leroy

- Assignee changed from paul leroy to Veronique bouzid

fsw >= 1.0.0.12

Correction effectuée en même temps que la correction du Bug [#176](#), vérification manuelle avec SocExplorer.

### #2 - 23/06/2014 02:10 PM - Veronique bouzid

- Assignee changed from Veronique bouzid to paul leroy

- Priority changed from Normal to Immediate

test rejoué en 1.0.0.12

PAS CORRIGE

Le test analysé est le SVS-0007 mais le pb est également sur le SVS-0003

La trace en SBM1

13:09:16.498187, TC\_LFR\_ENTER\_MODE (CP\_LFR\_MODE=3)

**13:09:18.618335, TC\_LFR\_LOAD\_SBM2\_PAR**

13:09:18.61965, TM\_LFR\_SCIENCE\_SBM1\_CWF\_F1

13:09:18.624082, TM\_LFR\_SCIENCE\_SBM1\_CWF\_F1

13:09:18.640307, TM\_LFR\_SCIENCE\_SBM1\_CWF\_F1

13:09:18.645182, TM\_LFR\_SCIENCE\_SBM1\_CWF\_F1

13:09:18.650887, TM\_LFR\_SCIENCE\_SBM1\_CWF\_F1

**13:09:18.689232, TM\_LFR\_TC\_EXE\_SUCCESS** NON doit etre NOT\_EXECUTABLE

la trace en SBM2

13:09:19.624522, TC\_LFR\_ENTER\_MODE (CP\_LFR\_MODE=4)

**13:09:21.493351, TC\_LFR\_LOAD\_SBM1\_PAR**

**13:09:21.589236, TM\_LFR\_TC\_EXE\_SUCCESS** NON doit etre NOT\_EXECUTABLE

### #3 - 24/06/2014 08:21 AM - Veronique bouzid

- Status changed from New to Closed

- Assignee changed from paul leroy to Veronique bouzid

Suite à la discussion avec Paul, il est décidé de ne pas modifier le comportement actuel de LFR

- On accepte donc d'autoriser en SBM1 la rception de la TC\_LFR\_LOAD\_SBM2\_PAR et vis et versa.

Dans la SSS-CP-DAS-527 et SSS-CP-DAS-528 le DAS n'autorisera pas cette action.