

## LFR-FSW - Bug #529

### WRONG SEQUENCE\_CNT on PACKET\_ID=0xcfc

02/10/2015 12:55 PM - Veronique bouzid

<b>Status:</b>	Closed	<b>Start date:</b>	02/10/2015
<b>Priority:</b>	Urgent	<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 jouant le script /opt/VALIDATION\_R3/lfrverif/LFR\_SVS/SVS-0031/sbm1\_mode\_parameter\_set.py (cf #BUG484) un autre BUG a été découvert concernant la gestion de SEQUENCE\_CNT.

Les TM dont le PACKET\_ID=0xcfc sont comptabilisées avec les TM dont le PACKET\_ID=0xcc1

Voici un extrait du fichier 2015\_10\_02-08\_51\_52-Extract-seq-cnt.txt

```
07:46:40.814751, TM_LFR_HK, TIME=0x8000005731b2, PACKET_ID=0xcc4, SEQUENCE_CNT=85
07:46:41.352476, TC_LFR_ENTER_MODE, SOURCE_ID: MISSION_TIMELINE = 110
07:46:41.376684, TM_LFR_TC_EXE_NOT_EXECUTABLE, TIME=0x80000057c1bc, PACKET_ID=0xcc1, SEQUENCE_CNT=0
07:46:41.814619, TM_LFR_HK, TIME=0x8000005831b3, PACKET_ID=0xcc4, SEQUENCE_CNT=86
07:46:42.814729, TM_LFR_HK, TIME=0x8000005931b3, PACKET_ID=0xcc4, SEQUENCE_CNT=87
07:46:43.382035, TC_LFR_LOAD_NORMAL_PAR, SOURCE_ID: MISSION_TIMELINE = 110
07:46:43.395366, TM_LFR_TC_EXE_SUCCESS, TIME=0x80000059c656, PACKET_ID=0xcc1, SEQUENCE_CNT=1
07:46:43.582184, TC_LFR_DUMP_PAR, SOURCE_ID: MISSION_TIMELINE = 110
07:46:43.58804, TM_LFR_PARAMETER_DUMP, TIME=0x80000059f79b, PACKET_ID=0xcc6, SEQUENCE_CNT=0
07:46:43.590036, TM_LFR_TC_EXE_SUCCESS, TIME=0x80000059f7a3, PACKET_ID=0xcc1, SEQUENCE_CNT=2
07:46:43.782329, TC_LFR_ENTER_MODE, SOURCE_ID: MISSION_TIMELINE = 110
07:46:43.807095, TM_LFR_TC_EXE_SUCCESS, TIME=0x8000005a2fc0, PACKET_ID=0xcc1, SEQUENCE_CNT=3
07:46:43.828805, TM_LFR_HK, TIME=0x8000005a355d, PACKET_ID=0xcc4, SEQUENCE_CNT=88
07:46:44.085544, TM_LFR_SCIENCE_SBM1_BP1_F0, TIME=0x8000005a2fbf, PACKET_ID=0xcfc, SEQUENCE_CNT=4
07:46:44.351218, TM_LFR_SCIENCE_SBM1_BP1_F0, TIME=0x8000005a6fbf, PACKET_ID=0xcfc, SEQUENCE_CNT=5
07:46:44.468572, TM_LFR_SCIENCE_SBM1_CWF_F1, TIME=0x8000005a2fb7, PACKET_ID=0xcfc, SEQUENCE_CNT=6
07:46:44.476022, TM_LFR_SCIENCE_SBM1_CWF_F1, TIME=0x8000005a44b7, PACKET_ID=0xcfc, SEQUENCE_CNT=7
07:46:44.489938, TM_LFR_SCIENCE_SBM1_CWF_F1, TIME=0x8000005a59b7, PACKET_ID=0xcfc, SEQUENCE_CNT=8
07:46:44.503171, TM_LFR_SCIENCE_SBM1_CWF_F1, TIME=0x8000005a6eb7, PACKET_ID=0xcfc, SEQUENCE_CNT=9
07:46:44.509066, TM_LFR_SCIENCE_SBM1_CWF_F1, TIME=0x8000005a83b7, PACKET_ID=0xcfc, SEQUENCE_CNT=10
07:46:44.51558, TM_LFR_SCIENCE_SBM1_CWF_F1, TIME=0x8000005a98b7, PACKET_ID=0xcfc, SEQUENCE_CNT=11
07:46:44.521673, TM_LFR_SCIENCE_SBM1_CWF_F1, TIME=0x8000005aadb7, PACKET_ID=0xcfc, SEQUENCE_CNT=12
07:46:44.535162, TM_LFR_SCIENCE_SBM1_CWF_F1, TIME=0x8000005aac2b7, PACKET_ID=0xcfc, SEQUENCE_CNT=13
07:46:44.585458, TM_LFR_SCIENCE_SBM1_BP1_F0, TIME=0x8000005aafb7, PACKET_ID=0xcfc, SEQUENCE_CNT=14
```

Contexte du test

```
-----
FSW 3.0.0.9
VHDL 1.1.89
EM sans Timegen
SocExplorerEngine.getSocExplorer: Version = 0.6.2, Branch = default, Changeset = 819d0376d481
StarDundee
```

#### History

#1 - 02/10/2015 01:37 PM - paul leroy

- Status changed from New to In Progress

- Assignee changed from paul leroy to Veronique bouzid

Bug identifié et corrigé, fsw >= 3.0.0.10. Vérifié sur un enregistrement en csv, mode NORMAL.

#2 - 05/10/2015 11:02 AM - Veronique bouzid

- Status changed from In Progress to Feedback

**#3 - 06/10/2015 11:51 AM - Veronique bouzid**

- Status changed from Feedback to Closed

Le bug est corrigé en 3.0.0.10.

Le script utilisé est /opt/VALIDATION\_R3/lfrverif/LFR\_SVS/SVS-0019/tm\_sequence\_counter\_loop.py.

Les fichiers (2015\_10\_06-09\_35\_02\*) sont rangés dans le répertoire /home/validation/data/R3/3.0.0.10/1.1.89/SVS-0019.

Le fichier sort\_0xcfc.txt montre bien la validité du SEQUENCE\_CNT qui commence à 0 et on voit également le passage à 0 après SEQUENCE\_CNT=16383 (wrap counter).

Contexte du test

-----

FSW 3.0.0.10

VHDL 1.1.89

EM sans Timegen

SocExplorerEngine.getSocExplorer: Version = 0.6.2, Branch = default, Changeset = 819d0376d481

StarDundee