

## LFR-FSW - Bug #484

### WRONG SEQUENCE\_CNT on PACKET\_ID=0xccc with ASM=BP1=4s

13/08/2015 05:43 PM - Veronique bouzid

|  |                  |                        |            |
|--|------------------|------------------------|------------|
| <b>Status:</b>   | Closed           | <b>Start date:</b>     | 13/08/2015 |
| <b>Priority:</b>   | Normal           | <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               |                        |            |
| <b>Description</b>   |                  |                        |            |
| Quand en normal mode, on configure les paramètres<br>- ASM = 4s<br>- BP1 = 4s  |                  |                        |            |
| On observe un dysfonctionnement dans les numéros de sequence, le SEQUENCE_CNT=1 arrive apres SEQUENCE_CNT = 4, cela n est pas grave si le TIME est respecté mais ce n 'est pas le cas. |                  |                        |            |
| 15:57:56.78621, TM_LFR_SCIENCE_NORMAL_BP1_F0, <b>TIME=0x800000118635</b> , PACKET_ID=0xccc, <b>SEQUENCE_CNT=0</b>  |                  |                        |            |
| 15:57:56.810595, TM_LFR_SCIENCE_NORMAL_ASM_F0, TIME=0x800000118635, PACKET_ID=0xccc, SEQUENCE_CNT=2  |                  |                        |            |
| 15:57:56.817362, TM_LFR_SCIENCE_NORMAL_ASM_F0, TIME=0x800000118635, PACKET_ID=0xccc, SEQUENCE_CNT=3  |                  |                        |            |
| 15:57:56.831791, TM_LFR_SCIENCE_NORMAL_ASM_F0, TIME=0x800000118635, PACKET_ID=0xccc, SEQUENCE_CNT=4  |                  |                        |            |
| 15:57:56.835711, TM_LFR_SCIENCE_NORMAL_BP1_F1, <b>TIME=0x80000011863d</b> , PACKET_ID=0xccc, <b>SEQUENCE_CNT=1</b>   |                  |                        |            |
| 15:57:56.844743, TM_LFR_SCIENCE_NORMAL_ASM_F1, TIME=0x80000011863d, PACKET_ID=0xccc, SEQUENCE_CNT=5  |                  |                        |            |
| 15:57:56.858449, TM_LFR_SCIENCE_NORMAL_ASM_F1, TIME=0x80000011863d, PACKET_ID=0xccc, SEQUENCE_CNT=6  |                  |                        |            |
| 15:57:56.864549, TM_LFR_SCIENCE_NORMAL_ASM_F1, TIME=0x80000011863d, PACKET_ID=0xccc, SEQUENCE_CNT=7  |                  |                        |            |
| 15:57:56.869359, TM_LFR_SCIENCE_NORMAL_BP1_F2, TIME=0x800000118723, PACKET_ID=0xccc, SEQUENCE_CNT=8  |                  |                        |            |
| 15:57:56.879156, TM_LFR_SCIENCE_NORMAL_ASM_F2, TIME=0x800000118723, PACKET_ID=0xccc, SEQUENCE_CNT=9  |                  |                        |            |
| 15:57:56.884622, TM_LFR_SCIENCE_NORMAL_ASM_F2, TIME=0x800000118723, PACKET_ID=0xccc, SEQUENCE_CNT=10   |                  |                        |            |
| 15:57:56.889497, TM_LFR_SCIENCE_NORMAL_ASM_F2, TIME=0x800000118723, PACKET_ID=0xccc, SEQUENCE_CNT=11   |                  |                        |            |
| On doit observer une incrementation de 1 dans le numero de sequence chronologiquement pour tous ces produits car ils ont le meme PACKET_ID=0xccc et DESTINATION_ID=0.                  |                  |                        |            |
| Ce schéma se trouve durant le test.  |                  |                        |            |
| Le script utilisé est /opt/VALIDATION_R3/lfrverif/LFR_SVS/SVS-0029/normal_mode_parameter_set.py  |                  |                        |            |
| Les fichiers (2015_08_10-17_09_45-Detail.txt et 2015_08_10-17_09_45-Extract.txt) se trouvent dans le répertoire data/R3/3.0.0.8/1.1.88/SVS-0029.                                       |                  |                        |            |
| Contexte du test<br>-----<br>FSW 2.0.2.3<br>VHDL 1.1.88<br>Version = 0.6.2, Branch = default, Changeset = 819d0376d481<br>EM 2<br>StarDundee spacewire                                 |                  |                        |            |

## History

### #1 - 28/09/2015 06:54 PM - Veronique bouzid

le contexte du test n'est pas  
FSW 2.0.2.3  
mais  
FSW 3.0.0.8

### #2 - 30/09/2015 12:09 PM - paul leroy

- Status changed from New to Resolved  
- Assignee changed from paul leroy to Veronique bouzid

bug corrigé dans fsw >= 3.0.0.9

### #3 - 02/10/2015 12:42 PM - Veronique bouzid

- Status changed from Resolved to Closed

Le bug est corrigé avec FSW = 3.0.0.9

le script extract\_seq\_cnt.py permet d'extraire les bonnes informations, le résultat est dans le fichier 2015\_10\_02-08\_51\_52-Extract-seq-cnt.txt

Voici la sequence observée maintenant en NORMAL MODE avec BP1 = ASM =4s

```
07:46:47.887231, TM_LFR_SCIENCE_NORMAL_BP1_F0, TIME=0x8000005a2fbf, PACKET_ID=0xccc, SEQUENCE_CNT=0
07:46:47.908439, TM_LFR_SCIENCE_NORMAL_ASM_F0, TIME=0x8000005a2fbf, PACKET_ID=0xccc, SEQUENCE_CNT=1
07:46:47.920399, TM_LFR_SCIENCE_NORMAL_ASM_F0, TIME=0x8000005a2fbf, PACKET_ID=0xccc, SEQUENCE_CNT=2
07:46:47.92518, TM_LFR_SCIENCE_NORMAL_ASM_F0, TIME=0x8000005a2fbf, PACKET_ID=0xccc, SEQUENCE_CNT=3
07:46:47.938244, TM_LFR_SCIENCE_NORMAL_BP1_F1, TIME=0x8000005a2fc7, PACKET_ID=0xccc, SEQUENCE_CNT=4
07:46:47.940714, TM_LFR_SCIENCE_NORMAL_ASM_F1, TIME=0x8000005a2fc7, PACKET_ID=0xccc, SEQUENCE_CNT=5
07:46:47.953713, TM_LFR_SCIENCE_NORMAL_ASM_F1, TIME=0x8000005a2fc7, PACKET_ID=0xccc, SEQUENCE_CNT=6
07:46:47.967117, TM_LFR_SCIENCE_NORMAL_ASM_F1, TIME=0x8000005a2fc7, PACKET_ID=0xccc, SEQUENCE_CNT=7
07:46:47.972126, TM_LFR_SCIENCE_NORMAL_BP1_F2, TIME=0x8000005a30ad, PACKET_ID=0xccc, SEQUENCE_CNT=8
07:46:47.974325, TM_LFR_SCIENCE_NORMAL_ASM_F2, TIME=0x8000005a30ad, PACKET_ID=0xccc, SEQUENCE_CNT=9
07:46:47.979684, TM_LFR_SCIENCE_NORMAL_ASM_F2, TIME=0x8000005a30ad, PACKET_ID=0xccc, SEQUENCE_CNT=10
07:46:47.992016, TM_LFR_SCIENCE_NORMAL_ASM_F2, TIME=0x8000005a30ad, PACKET_ID=0xccc, SEQUENCE_CNT=11
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07:46:51.891868, TM_LFR_SCIENCE_NORMAL_BP1_F0, TIME=0x8000005e2fbe, PACKET_ID=0xccc, SEQUENCE_CNT=12
07:46:51.893727, TM_LFR_SCIENCE_NORMAL_ASM_F0, TIME=0x8000005e2fbe, PACKET_ID=0xccc, SEQUENCE_CNT=13
07:46:51.91263, TM_LFR_SCIENCE_NORMAL_ASM_F0, TIME=0x8000005e2fbe, PACKET_ID=0xccc, SEQUENCE_CNT=14
07:46:51.931799, TM_LFR_SCIENCE_NORMAL_ASM_F0, TIME=0x8000005e2fbe, PACKET_ID=0xccc, SEQUENCE_CNT=15
07:46:51.937633, TM_LFR_SCIENCE_NORMAL_BP1_F1, TIME=0x8000005e2fc6, PACKET_ID=0xccc, SEQUENCE_CNT=16
07:46:51.940434, TM_LFR_SCIENCE_NORMAL_ASM_F1, TIME=0x8000005e2fc6, PACKET_ID=0xccc, SEQUENCE_CNT=17
07:46:51.958237, TM_LFR_SCIENCE_NORMAL_ASM_F1, TIME=0x8000005e2fc6, PACKET_ID=0xccc, SEQUENCE_CNT=18
07:46:51.968445, TM_LFR_SCIENCE_NORMAL_ASM_F1, TIME=0x8000005e2fc6, PACKET_ID=0xccc, SEQUENCE_CNT=19
07:46:51.975727, TM_LFR_SCIENCE_NORMAL_BP1_F2, TIME=0x8000005e30ab, PACKET_ID=0xccc, SEQUENCE_CNT=20
07:46:51.990198, TM_LFR_SCIENCE_NORMAL_ASM_F2, TIME=0x8000005e30ab, PACKET_ID=0xccc, SEQUENCE_CNT=21
07:46:51.998079, TM_LFR_SCIENCE_NORMAL_ASM_F2, TIME=0x8000005e30ab, PACKET_ID=0xccc, SEQUENCE_CNT=22
07:46:52.003324, TM_LFR_SCIENCE_NORMAL_ASM_F2, TIME=0x8000005e30ab, PACKET_ID=0xccc, SEQUENCE_CNT=23
```

Les fichiers (2015\_10\_02-08\_51\_52\*) sont stockés dans le répertoire /home/validation/data/R3/3.0.0.9/1.1.89/SVS-0029.

Contexte du test

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FSW 3.0.0.9

VHDL 1.1.89

EM sans Timegen

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

StarDundee