

## LFR-FSW - Bug #426

### R3 \*\*\* TC\_LFR\_LOAD\_KCOEFFICIENTS: SY\_LFR\_KCOEFF\_FREQUENCY ne doit pas etre superieur à 35

05/06/2015 03:47 PM - Veronique bouzid

<b>Status:</b>	Closed	<b>Start date:</b>	05/06/2015
<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>			
On ne doit pas accepter une TC_LFR_LOAD_KCOEFFICIENTS avec un parametre SY_LFR_KCOEFF_FREQUENCY supérieur à 35, [0,35] conformément à l'Icd 3.9.			
15:00:10.026761, TC_LFR_LOAD_KCOEFFICIENTS, 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=13255, (PACKET_SEQUENCE_CONTROL=0xf3c7), PACKET_LENGTH=135, CCSDS_SECONDARY_HEADER_FLAG=0, PUS_VERSION = 1, ACK_EXECUTION_COMPLETION=1, ACK_EXECUTION_PROGRESS=0, ACK_EXECUTION_START=0, ACK_ACCEPTANCE=1, SERVICE_TYPE: EQ_CONFIGURATION = 181, SERVICE_SUBTYPE: LOAD_KCOEFFICIENTS = 93, SOURCE_ID: MISSION_TIMELINE = 110,* KCOEFF_FREQ = 36*,KCOEFF_1 = 1065353216,KCOEFF_2 = 1065353216,			
15:00:10.068502, TM_LFR_TC_EXE_SUCCESS, TIME=0x8000002b6161,			
Le script utilisé est /home/validation/SCRIPT/R3/just_stby_and_load_kcoeff.py, les fichiers de log (2015_06_05-15_00_17*) sont dans le répertoire /home/validation/data/R3.			
Contexte du test ----- FSW 3.0.0.3 VHDL 1.1.83 EM sans Timegen SocExplorerEngine.getSocExplorer: Version = 0.6.2, Branch = default, Changeset = 819d0376d481 StarDundee			
<b>Related issues:</b>			
Related to Bug #1084: PA_RPW_BYTE_POSITION wrong into a TM_LFR_TC_EXE_INCONS...		<b>Closed</b>	<b>25/04/2017</b>

## History

### #1 - 05/06/2015 03:52 PM - Veronique bouzid

- Subject changed from R3 \*\*\* TC\_LFR\_LOAD\_KCOEFFICIENTS: SY\_LFR\_KCOEFF\_FREQUENCY ne doit pas etre superieur à35 to R3 \*\*\* TC\_LFR\_LOAD\_KCOEFFICIENTS: SY\_LFR\_KCOEFF\_FREQUENCY ne doit pas etre superieur à 35

- Description updated

### #2 - 09/06/2015 10:18 AM - paul leroy

- Status changed from New to Resolved

- Assignee changed from paul leroy to Veronique bouzid

fsw >= 3.0.0.4

un packet TM\_LFR\_TC\_EXE\_INCONSISTENT est émis si sy\_lfr\_kcoeff\_frequency >= 36

### #3 - 11/06/2015 09:28 AM - Veronique bouzid

- Status changed from Resolved to Feedback

- Assignee changed from Veronique bouzid to paul leroy

Le bug est corrigé.

Le script rejoué est /home/validation/SCRIPT/R3/just\_stby\_and\_load\_kcoeff.py

Par contre la TM\_LFR\_TC\_EXE\_INCONSISTENT n'est pas conforme,

Le champ PA\_RPW\_RCV\_VALUE doit correspondre à l'octet LSB du champ positionné par PA\_RPW\_BYTE\_POSITION donc 36 au lieu de 0 dans notre cas.

13:11:06.46527, **TC\_LFR\_LOAD\_KCOEFFICIENTS**, 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=9499, (PACKET\_SEQUENCE\_CONTROL=0xe51b), PACKET\_LENGTH=135, CCSDS\_SECONDARY\_HEADER\_FLAG=0, PUS\_VERSION = 1, ACK\_EXECUTION\_COMPLETION=1, ACK\_EXECUTION\_PROGRESS=0, ACK\_EXECUTION\_START=0, ACK\_ACCEPTANCE=1, SERVICE\_TYPE: EQ\_CONFIGURATION = 181, SERVICE\_SUBTYPE: LOAD\_KCOEFFICIENTS = 93, SOURCE\_ID: MISSION\_TIMELINE = 110, **KCOEFF\_FREQ = 36**,

13:11:06.507457, **TM\_LFR\_TC\_EXE\_INCONSISTENT**, 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=39, (PACKET\_SEQUENCE\_CONTROL=0xc027), PACKET\_LENGTH=19, SPARE\_1=0, PUS\_VERSION = 1, SPARE\_2=0, SERVICE\_TYPE: TELECOMMAND\_VERIFICATION = 1, SERVICE\_SUBTYPE: TC\_EXECUTION\_COMPLETION\_FAILURE = 8, DESTINATION\_ID: MISSION\_TIMELINE = 110, TIME=0x8000003c05e6, PA\_RPW\_TELECOMMAND\_PKT\_ID=0x1ccc, PA\_RPW\_PKT\_SEQ\_CONTROL=0xe51b, PA\_RPW\_TC\_FAILURE\_CODE: WRONG\_APP\_DATA = 5, PA\_RPW\_TC\_SERVICE=181, PA\_RPW\_TC\_SUBTYPE=93, **PA\_RPW\_BYTE\_POSITION=10, PA\_RPW\_RCV\_VALUE=0**

Les fichiers de log (2015\_06\_10-13\_11\_13\*) sont dans /home/validation/data/R3/JUST-STBY-LOAD-KCOEFF/2015\_06\_10

Contexte du test

FSW 3.0.0.4

VHDL 1.1.83

EM sans timegen

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

StarDundee

#### #4 - 23/06/2015 07:49 AM - paul leroy

- Status changed from Feedback to Resolved

- Assignee changed from paul leroy to Veronique bouzid

résolu dans fsw >= 3.0.0.6

#### #5 - 26/06/2015 01:48 PM - Veronique bouzid

- Status changed from Resolved to Closed

le bug est corrigé en 3.0.0.7 (il ne faut pas utiliser 3.0.0.6 cf Paul).

le script rejoué est /home/validation/SCRIPT/R3/just\_stby\_and\_load\_kcoeff.py

09:48:09.886926, **TC\_LFR\_LOAD\_KCOEFFICIENTS**, 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=6915, (PACKET\_SEQUENCE\_CONTROL=0xdb03), PACKET\_LENGTH=135, CCSDS\_SECONDARY\_HEADER\_FLAG=0, PUS\_VERSION = 1, ACK\_EXECUTION\_COMPLETION=1, ACK\_EXECUTION\_PROGRESS=0, ACK\_EXECUTION\_START=0, ACK\_ACCEPTANCE=1, SERVICE\_TYPE: EQ\_CONFIGURATION = 181, SERVICE\_SUBTYPE: LOAD\_KCOEFFICIENTS = 93, SOURCE\_ID: MISSION\_TIMELINE = 110, **KCOEFF\_FREQ = 36**, KCOEFF\_1 = 1065353216, KCOEFF\_2 = 1065353216, KCOEFF\_3 = 1065353216, KCOEFF\_4 = 1065353216, KCOEFF\_5 = 1065353216, KCOEFF\_6 = 1065353216, KCOEFF\_7 = 1065353216, KCOEFF\_8 = 1065353216, KCOEFF\_9 = 1065353216, KCOEFF\_10 = 1065353216, KCOEFF\_11 = 1065353216, KCOEFF\_12 = 1065353216, KCOEFF\_13 = 1065353216, KCOEFF\_14 = 1065353216, KCOEFF\_15 = 1065353216, KCOEFF\_16 = 1065353216, KCOEFF\_17 = 1065353216, KCOEFF\_18 = 1065353216, KCOEFF\_19 = 1065353216, KCOEFF\_20 = 1065353216, KCOEFF\_21 = 1065353216, KCOEFF\_22 = 1065353216, KCOEFF\_23 = 1065353216, KCOEFF\_24 = 1065353216, KCOEFF\_25 = 1065353216, KCOEFF\_26 = 1065353216, KCOEFF\_27 = 1065353216, KCOEFF\_28 = 1065353216, KCOEFF\_29 = 1065353216, KCOEFF\_30 = 1065353216, KCOEFF\_31 = 1065353216, KCOEFF\_32 = 1065353216, CRC = 0x727f

09:48:09.927951, **TM\_LFR\_TC\_EXE\_INCONSISTENT**, 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=19, SPARE\_1=0, PUS\_VERSION = 1, SPARE\_2=0, SERVICE\_TYPE: TELECOMMAND\_VERIFICATION = 1, SERVICE\_SUBTYPE: TC\_EXECUTION\_COMPLETION\_FAILURE = 8, DESTINATION\_ID: MISSION\_TIMELINE = 110, TIME=0x800000fbc769, PA\_RPW\_TELECOMMAND\_PKT\_ID=0x1ccc, PA\_RPW\_PKT\_SEQ\_CONTROL=0xdb03, PA\_RPW\_TC\_FAILURE\_CODE: WRONG\_APP\_DATA = 5, PA\_RPW\_TC\_SERVICE=181, PA\_RPW\_TC\_SUBTYPE=93, **PA\_RPW\_BYTE\_POSITION=11, PA\_RPW\_RCV\_VALUE=36**

les fichiers de log (2015\_06\_26-09\_48\_17\*) sont dans /home/validation/data/R3/3.0.0.7/load\_kcoeff

Contexte du test

-----

FSW 3.0.0.7

VHDL 1.1.83 (\_c car chgt de contrainte sur timing)

EM sans Timegen

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

StarDundee

**#6 - 25/04/2017 06:05 PM - Veronique bouzid**

- Related to Bug #1084: PA\_RPW\_BYTE\_POSITION wrong into a TM\_LFR\_TC\_EXE\_INCONSISTENT on TC\_LFR\_LOAD\_KCOEFFICIENTS added