

LFR-FSW - Bug #874

Fonction Detail erroné sur TC_LFR_LOAD_FILTER_PAR

02/01/2017 12:53 PM - Veronique bouzid

Status:	Closed	Start date:	02/01/2017
Priority:	Normal	Due date:	
Assignee:	Veronique bouzid	% Done:	0%
Category:		Estimated time:	0.00 hour
Target version:		Spent time:	0.00 hour
revision:	r0		
Description			
<p>Le decodage de la TC_LOAD_FILTER_PAR met en évidence que le champ SY_LFR_PAS_FILTER_DELTA_F etait mal décodé. Il affichait</p> <p>11:55:56.8949, TC_LFR_LOAD_FILTER_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=0, (PACKET_SEQUENCE_CONTROL=0xc000), PACKET_LENGTH=21, 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_FILTER_PAR = 97, SOURCE_ID: MISSION_TIMELINE = 110, SPARE=0x0, DOE_SPARE=0x0, SY_LFR_PAS_FILTER_ENABLED: ENABLED = 1, SY_LFR_PAS_FILTER_MODULUS=4, SY_LFR_PAS_FILTER_TBAD=1065353216, SY_LFR_PAS_FILTER_OFFSET=0, SY_LFR_PAS_FILTER_SHIFT=1056964608, SY_LFR_PAS_FILTER_DELTA_F=257711459533, CRC = 0x5fca</p> <p>pour une valeur par défaut de 0.025.</p>			

History

#1 - 02/01/2017 01:05 PM - Veronique bouzid

- Status changed from New to Closed

J ai modifié la fonction /opt/VALIDATION_R3plus/lfrverif/common/icd/tc_lfr_load_filter_par_analyze.py

```
fvalue = (tc_ccsds22 << 32) | (tc_ccsds23 << 16) | (tc_ccsds24 << 8) | tc_ccsds25
```

le decalage est erroné

```
fvalue = (tc_ccsds[22] << 24) | (tc_ccsds[23] << 16) | (tc_ccsds[24] << 8) | tc_ccsds[25]
```

maintenant on observe

12:38:12.698923, TC_LFR_LOAD_FILTER_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=0, (PACKET_SEQUENCE_CONTROL=0xc000), PACKET_LENGTH=21, 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_FILTER_PAR = 97, SOURCE_ID: MISSION_TIMELINE = 110, SPARE=0x0, DOE_SPARE=0x0, SY_LFR_PAS_FILTER_ENABLED: ENABLED = 1, SY_LFR_PAS_FILTER_MODULUS=4, SY_LFR_PAS_FILTER_TBAD=1065353216, SY_LFR_PAS_FILTER_OFFSET=0, SY_LFR_PAS_FILTER_SHIFT=1056964608, **SY_LFR_PAS_FILTER_DELTA_F=1020054733**, CRC = 0x5fca

SY_LFR_PAS_FILTER_DELTA_F=1020054733 correspond à 0.025 soit 0x3cccccd.