

LFR-FSW - Bug #507

Field DESTINATION_ID into TM_LFR_PARAMETER_DUMP non compliant

24/09/2015 03:51 PM - Veronique bouzid

Status:	Closed	Start date:	24/09/2015
Priority:	Normal	Due date:	
Assignee:	Veronique bouzid	% Done:	0%
Category:	SRS	Estimated time:	0.00 hour
Target version:		Spent time:	0.00 hour
revision:	r0		
Description			
Le champ DESTINATION_ID etait = 0 sur la TM_LFR_PARAMETER_DUMP (ICD 2.2)			
ICD 3.7 et 3.9 montrent un changement: Le champ DESTINATION_ID = le champ SOURCE_ID de la TC_LFR envoyée			
14:49:31.782244, TC_LFR_DUMP_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=14449, (PACKET_SEQUENCE_CONTROL=0xf871), PACKET_LENGTH=5, 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: DUMP_PARAMETERS = 31, SOURCE_ID: AOCS = 11 , CRC = 0xd453			
14:49:31.793458, TM_LFR_PARAMETER_DUMP , CCSDS_VERSION_NUMBER = 0, PACKET_TYPE: TM_PACKET = 0, DATA_FIELD_HEADER_FLAG: WITH_HEADER = 1, PROCESS_ID: RPW_PID_2 = 76, PACKET_CATEGORY: DUMP = 6, (PACKET_ID=0xcc6), SEGMENTATION_GROUPING_FLAG: STANDALONE_PACKET = 3, SEQUENCE_CNT=0, (PACKET_SEQUENCE_CONTROL=0xc000), PACKET_LENGTH=77, SPARE_1=0, PUS_VERSION = 1, SPARE_2=0, SERVICE_TYPE: EQ_CONFIGURATION = 181, SERVICE_SUBTYPE: PARAMETER_DUMP = 32, DESTINATION_ID: GROUND = 0 , TIME=0x80000348b0b1, PA_LFR_HK_SID: LFR_DUMP_SID = 10, SPARE=0x0, SY_LFR_BW=1, SY_LFR_SP0=0, SY_LFR_SP1=0, SY_LFR_R0=0, SY_LFR_R1=0, SY_LFR_R2=0, SY_LFR_N_SWF_L=2048, SY_LFR_N_SWF_P=300(s), SY_LFR_N_ASM_P=3600(s), SY_LFR_N_BP_P0=4(s), SY_LFR_N_BP_P1=20(s), SPARE=0x0, SY_LFR_N_CWF_LONG_F3=0, SPARE=0x0, SY_LFR_B_BP_P0=1(s), SY_LFR_B_BP_P1=5(s), SY_LFR_S1_BP_P0=0.25(s), SY_LFR_S1_BP_P1=1(s), SY_LFR_S2_BP_P0=1(s), SY_LFR_S2_BP_P1=5(s), SY_LFR_FBINS_F0_WORD1=0xffffffff, SY_LFR_FBINS_F0_WORD2=0xffffffff, SY_LFR_FBINS_F0_WORD3=0xffffffff, SY_LFR_FBINS_F0_WORD4=0xffffffff, SY_LFR_FBINS_F1_WORD1=0xffffffff, SY_LFR_FBINS_F1_WORD2=0xffffffff, SY_LFR_FBINS_F1_WORD3=0xffffffff, SY_LFR_FBINS_F1_WORD4=0xffffffff, SY_LFR_FBINS_F2_WORD1=0xffffffff, SY_LFR_FBINS_F2_WORD2=0xffffffff, SY_LFR_FBINS_F2_WORD3=0xffffffff, SY_LFR_FBINS_F2_WORD4=0xffffffff, SPARE8_2=0x0			
14:49:31.795514, 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=10, (PACKET_SEQUENCE_CONTROL=0xc00a), 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: AOCS = 11, TIME=0x80000348b0b8, PA_RPW_TELECOMMAND_PKT_ID=0x1ccc, PA_RPW_PKT_SEQ_CONTROL=0xf871			
le script joué est /opt/VALIDATION_R3/lfrverif/LFR_SVS/SVS-0018/source_id_loop_step1.py le fichier detail /home/validation/data/R3/3.0.0.8/1.1.89/SVS-0018/2015_09_23-14_51_13-Detail.txt			
Contexte du test ----- ----- FSW 3.0.0.8 VHDL 1.1.89 EM sans Timegen SocExplorerEngine.getSocExplorer: Version = 0.6.2, Branch = default, Changeset = 819d0376d481 StarDundee			
Related issues:			
Related to Task #510: fields DESTINATION_ID on TM_LFR_PARAMETER_DUMP and TM_...		Closed	25/09/2015

History

#1 - 25/09/2015 03:26 PM - paul leroy

- Status changed from New to In Progress
- Assignee changed from paul leroy to Veronique bouzid

corrigé dans fsw 3.0.0.9
non testé, je n'ai pas de script sous la main pour changer les source_id.

#2 - 29/09/2015 02:56 PM - Veronique bouzid

- File dump_par_vs_source.py added
- Assignee changed from Veronique bouzid to paul leroy

Voici un script qui balaie les source_id.

#3 - 29/09/2015 02:59 PM - paul leroy

- Assignee changed from paul leroy to Veronique bouzid

Merci pour le script. Je préfère te laisser le soin de le jouer, je n'ai pas installé l'environnement de Gérald. J'avance sur le reste.

#4 - 01/10/2015 08:59 AM - Veronique bouzid

- Status changed from In Progress to Resolved

Le test /home/validation/SCRIPT/R3/dump_par_vs_source.py a été rejoué avec 3.0.0.9 et le bug est corrigé.

Les fichiers (2015_10_01-08_44_11*) sont rangés dans /home/validation/data/R3/3.0.0.9/TESTS-UNITAIRES/BUG-507.

Les traces extraites du fichier 2015_10_01-08_44_11-Detail.txt montrent bien que le champ DESTINATION_ID de TM_LFR_PARAMETER_DUMP = champ SOURCE_ID de la TC_LFR_DUMP_PAR.

```
08:43:11.286519, TC_LFR_DUMP_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=11113, (PACKET_SEQUENCE_CONTROL=0xeb69), PACKET_LENGTH=5, 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: DUMP_PARAMETERS = 31, SOURCE_ID: MISSION_TIMELINE = 110, CRC = 0xb947
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08:43:11.290567, TM_LFR_PARAMETER_DUMP, CCSDS_VERSION_NUMBER = 0, PACKET_TYPE: TM_PACKET = 0, DATA_FIELD_HEADER_FLAG: WITH_HEADER = 1, PROCESS_ID: RPW_PID_2 = 76, PACKET_CATEGORY: DUMP = 6, (PACKET_ID=0xcc6), SEGMENTATION_GROUPING_FLAG: STANDALONE_PACKET = 3, SEQUENCE_CNT=0, (PACKET_SEQUENCE_CONTROL=0xc000), PACKET_LENGTH=77, SPARE_1=0, PUS_VERSION = 1, SPARE_2=0, SERVICE_TYPE: EQ_CONFIGURATION = 181, SERVICE_SUBTYPE: PARAMETER_DUMP = 32, DESTINATION_ID: MISSION_TIMELINE = 110, TIME=0x8000000d5a7b, PA_LFR_HK_SID: LFR_DUMP_SID = 10,
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puis

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08:43:12.292827, TC_LFR_DUMP_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=9159, (PACKET_SEQUENCE_CONTROL=0xe3c7), PACKET_LENGTH=5, 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: DUMP_PARAMETERS = 31, SOURCE_ID: TC_SEQUENCES = 111, CRC = 0x403b
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08:43:12.302003, TM_LFR_PARAMETER_DUMP, CCSDS_VERSION_NUMBER = 0, PACKET_TYPE: TM_PACKET = 0, DATA_FIELD_HEADER_FLAG: WITH_HEADER = 1, PROCESS_ID: RPW_PID_2 = 76, PACKET_CATEGORY: DUMP = 6, (PACKET_ID=0xcc6), SEGMENTATION_GROUPING_FLAG: STANDALONE_PACKET = 3, SEQUENCE_CNT=0, (PACKET_SEQUENCE_CONTROL=0xc000), PACKET_LENGTH=77, SPARE_1=0, PUS_VERSION = 1, SPARE_2=0, SERVICE_TYPE: EQ_CONFIGURATION = 181, SERVICE_SUBTYPE: PARAMETER_DUMP = 32, DESTINATION_ID: TC_SEQUENCES = 111, TIME=0x8000000e5d52, PA_LFR_HK_SID: LFR_DUMP_SID = 10,
```

Ce test est un test de vérification et il reste donc à exécuter le test de validation (SVS-0018).

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

#5 - 02/10/2015 03:42 PM - Veronique bouzid

- *Category set to SRS*

- *Status changed from Resolved to Closed*

Le bug est corrigé en 3.0.0.9.

Le champ DESTINATION_ID est correctement renseigné.

Le script rejoué est /opt/VALIDATION_R3/lfrverif/LFR_SVS/SVS-0018/source_id_loop_step1.py

Les fichiers de test sont rangés dans /home/validation/data/R3/3.0.0.9/1.1.89/SVS-0018

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

Files

dump_par_vs_source.py	3.71 KB	29/09/2015	Veronique bouzid
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