

LFR-FSW - Bug #715

R3+: field SY_LFR_PAS_FILTER_ENABLED into TM_LFR_HK Packet never updated

28/06/2016 12:51 PM - Veronique bouzid

Status:	Closed	Start date:	28/06/2016
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

Le script suivant /home/validation/SCRIPT/R3+/set_load_filter_par.py teste le positionnement du champ SY_LFR_PAS_FILTER_ENABLED a 1 (ENABLED°. On rappelle que par défaut ce parametre est 0 soit DISABLED. Ce champ est recopié dans la TM_LFR_HK.
Hors ce n'est pas vrai.

Voici un extrait des logs

debut du test apres le boot de la carte

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11:55:53.033027, TM_LFR_HK, CCSDS_VERSION_NUMBER = 0, PACKET_TYPE: TM_PACKET = 0, DATA_FIELD_HEADER_FLAG: WITH_HEADER = 1, PROCESS_ID: RPW_PID_2 = 76, PACKET_CATEGORY: HK_ROUTINE = 4, (PACKET_ID=0xcc4), SEGMENTATION_GROUPING_FLAG: STANDALONE_PACKET = 3, SEQUENCE_CNT=0, (PACKET_SEQUENCE_CONTROL=0xc000), PACKET_LENGTH=129, SPARE_1=0, PUS_VERSION = 1, SPARE_2=0, SERVICE_TYPE: HOUSEKEEPING_AND_DIAGNOSTIC_DATA_REPORTING = 3, SERVICE_SUBTYPE: HK_PARAMETER_REPORT = 25, DESTINATION_ID: GROUND = 0, TIME=0x8000000248d8, PA_LFR_HK_REPORT_SID: LFR_HK_SID = 1, HK_LFR_MODE: STANDBY = 0, HK_LFR_DPU_SPW_ENABLED: ENABLED = 1, HK_LFR_DPU_SPW_LINK_STATE: RUN = 5, SPARE=0x0, HK_LFR_SC_POTENTIEL_FLAG: ON = 1, HK_LFR_PAS_FILTER_ENABLED: DISABLED = 0, SY_LFR_WATCHDOG_ENABLED: ENABLED = 1
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envoi de la TC (seul SY_LFR_PAS_FILTER_ENABLED est changé)

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11:56:01.215403, 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
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11:56:01.225303, 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=3, (PACKET_SEQUENCE_CONTROL=0xc003), 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: MISSION_TIMELINE = 110, TIME=0x8000000a7a1f, PA_RPW_TELECOMMAND_PKT_ID=0x1ccc, PA_RPW_PKT_SEQ_CONTROL=0xc000
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11:56:02.033048, TM_LFR_HK, CCSDS_VERSION_NUMBER = 0, PACKET_TYPE: TM_PACKET = 0, DATA_FIELD_HEADER_FLAG: WITH_HEADER = 1, PROCESS_ID: RPW_PID_2 = 76, PACKET_CATEGORY: HK_ROUTINE = 4, (PACKET_ID=0xcc4), SEGMENTATION_GROUPING_FLAG: STANDALONE_PACKET = 3, SEQUENCE_CNT=9, (PACKET_SEQUENCE_CONTROL=0xc009), PACKET_LENGTH=129, SPARE_1=0, PUS_VERSION = 1, SPARE_2=0, SERVICE_TYPE: HOUSEKEEPING_AND_DIAGNOSTIC_DATA_REPORTING = 3, SERVICE_SUBTYPE: HK_PARAMETER_REPORT = 25, DESTINATION_ID: GROUND = 0, TIME=0x8000000b48d6, PA_LFR_HK_REPORT_SID: LFR_HK_SID = 1, HK_LFR_MODE: STANDBY = 0, HK_LFR_DPU_SPW_ENABLED: ENABLED = 1, HK_LFR_DPU_SPW_LINK_STATE: RUN = 5, SPARE=0x0, HK_LFR_SC_POTENTIEL_FLAG: ON = 1, HK_LFR_PAS_FILTER_ENABLED: DISABLED = 0,
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11:56:03.033024, TM_LFR_HK, CCSDS_VERSION_NUMBER = 0, PACKET_TYPE: TM_PACKET = 0, DATA_FIELD_HEADER_FLAG: WITH_HEADER = 1, PROCESS_ID: RPW_PID_2 = 76, PACKET_CATEGORY: HK_ROUTINE = 4, (PACKET_ID=0xcc4), SEGMENTATION_GROUPING_FLAG: STANDALONE_PACKET = 3, SEQUENCE_CNT=10,
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(PACKET_SEQUENCE_CONTROL=0xc00a), PACKET_LENGTH=129, SPARE_1=0, PUS_VERSION = 1, SPARE_2=0, SERVICE_TYPE: HOUSEKEEPING_AND_DIAGNOSTIC_DATA_REPORTING = 3, SERVICE_SUBTYPE: HK_PARAMETER_REPORT = 25, DESTINATION_ID: GROUND = 0, TIME=0x800000c48d6, PA_LFR_HK_REPORT_SID: LFR_HK_SID = 1, HK_LFR_MODE: STANDBY = 0, HK_LFR_DPU_SPW_ENABLED: ENABLED = 1, HK_LFR_DPU_SPW_LINK_STATE: RUN = 5, SPARE=0x0, HK_LFR_SC_POTENTIEL_FLAG: ON = 1, **HK_LFR_PAS_FILTER_ENABLED: DISABLED = 0**

Par contre dans la TM_LFR_PARAMETER_DUMP, le champ est correctement mis à jour (ainsi que tous les champs liés à TC_LOAD_FILTER_PAR)

1:56:04.223923, **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=2, (PACKET_SEQUENCE_CONTROL=0xc002), PACKET_LENGTH=141, 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=0x800000d79c5, PA_LFR_HK_SID: LFR_DUMP_SID = 10, SPARE=0x0, SY_LFR_BW=1, SY_LFR_SPO=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, 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, PA_LFR_RW_MASK_F0_WORD1=0x0, PA_LFR_RW_MASK_F0_WORD2=0x0, PA_LFR_RW_MASK_F0_WORD3=0x0, PA_LFR_RW_MASK_F0_WORD4=0x0, PA_LFR_RW_MASK_F1_WORD1=0x0, PA_LFR_RW_MASK_F1_WORD2=0x0, PA_LFR_RW_MASK_F1_WORD3=0x0, PA_LFR_RW_MASK_F1_WORD4=0x0, PA_LFR_RW_MASK_F2_WORD1=0x0, PA_LFR_RW_MASK_F2_WORD2=0x0, PA_LFR_RW_MASK_F2_WORD3=0x0, PA_LFR_RW_MASK_F2_WORD4=0x0, SPARE8_3=0x0

Les fichiers de test (2016_06_28-11_56_10*) sont rangés dans le répertoire /home/validation/data/R3+/3.1.0.2/TESTS-UNITAIRES/set_load_filter

Le script est joint

Contexte du test

FSW 3.1.0.2

VHDL 1.1.89

EM sans Timegen

SocExplorerEngine.getSocExplorer: Version = 0.7.0, Branch = 0.6, Changeset = c459540a6dbd+

StarDundee

History

#1 - 28/06/2016 12:51 PM - Veronique bouzid

- Description updated

#2 - 28/06/2016 01:12 PM - Veronique bouzid

- Subject changed from field SY_LFR_PAS_FILTER_ENABLED into TM_LFR_HK Packet never updated to R3+: field SY_LFR_PAS_FILTER_ENABLED into TM_LFR_HK Packet never updated

#3 - 28/06/2016 03:08 PM - paul leroy

- Status changed from New to Feedback

- Assignee changed from paul leroy to Veronique bouzid

Exact. Correction effectuée pour fsw >= 3.0.1.3.

#4 - 19/08/2016 11:42 AM - Veronique bouzid

- Status changed from Feedback to Closed

Bug corrigé en 3.1.0.4.

Les fichiers (2016_08_19-11_13_58-*) sont rangés dans le répertoire /home/validation/data/R3+/3.1.0.4/TESTS-UNITAIRES/set_load_filter.

Ici l'extrait du fichier 2016_08_19-11_13_58-Detail.txt

11:13:40.678126, **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

11:13:40.685587, **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=2, (PACKET_SEQUENCE_CONTROL=0xc002), 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: MISSION_TIMELINE = 110, TIME=0x800000979b6, PA_RPW_TELECOMMAND_PKT_ID=0x1ccc, PA_RPW_PKT_SEQ_CONTROL=0xc000

11:13:41.493579, **TM_LFR_HK**, CCSDS_VERSION_NUMBER = 0, PACKET_TYPE: TM_PACKET = 0, DATA_FIELD_HEADER_FLAG: WITH_HEADER = 1, PROCESS_ID: RPW_PID_2 = 76, PACKET_CATEGORY: HK_ROUTINE = 4, (PACKET_ID=0xcc4), SEGMENTATION_GROUPING_FLAG: STANDALONE_PACKET = 3, SEQUENCE_CNT=8, (PACKET_SEQUENCE_CONTROL=0xc008), PACKET_LENGTH=129, SPARE_1=0, PUS_VERSION = 1, SPARE_2=0, SERVICE_TYPE: HOUSEKEEPING_AND_DIAGNOSTIC_DATA_REPORTING = 3, SERVICE_SUBTYPE: HK_PARAMETER_REPORT = 25, DESTINATION_ID: GROUND = 0, TIME=0x8000000a48bc, PA_LFR_HK_REPORT_SID: LFR_HK_SID = 1, HK_LFR_MODE: STANDBY = 0, HK_LFR_DPU_SPW_ENABLED: ENABLED = 1, HK_LFR_DPU_SPW_LINK_STATE: RUN = 5, SPARE=0x0, HK_LFR_SC_POTENTIEL_FLAG: ON = 1, **HK_LFR_PAS_FILTER_ENABLED: ENABLED = 1**, SY_LFR_WATCHDOG_ENABLED: ENABLED = 1,

Puis en remettant la valeur par défaut

11:13:49.710806, **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: DISABLED = 0**, 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 = 0xf136

11:13:49.718872, **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=5, (PACKET_SEQUENCE_CONTROL=0xc005), 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: MISSION_TIMELINE = 110, TIME=0x800000128241, PA_RPW_TELECOMMAND_PKT_ID=0x1ccc, PA_RPW_PKT_SEQ_CONTROL=0xc000

11:13:50.493299, **TM_LFR_HK**, CCSDS_VERSION_NUMBER = 0, PACKET_TYPE: TM_PACKET = 0, DATA_FIELD_HEADER_FLAG: WITH_HEADER = 1, PROCESS_ID: RPW_PID_2 = 76, PACKET_CATEGORY: HK_ROUTINE = 4, (PACKET_ID=0xcc4), SEGMENTATION_GROUPING_FLAG: STANDALONE_PACKET = 3, SEQUENCE_CNT=17, (PACKET_SEQUENCE_CONTROL=0xc011), PACKET_LENGTH=129, SPARE_1=0, PUS_VERSION = 1, SPARE_2=0, SERVICE_TYPE: HOUSEKEEPING_AND_DIAGNOSTIC_DATA_REPORTING = 3, SERVICE_SUBTYPE: HK_PARAMETER_REPORT = 25, DESTINATION_ID: GROUND = 0, TIME=0x8000001348bd, PA_LFR_HK_REPORT_SID: LFR_HK_SID = 1, HK_LFR_MODE: STANDBY = 0, HK_LFR_DPU_SPW_ENABLED: ENABLED = 1, HK_LFR_DPU_SPW_LINK_STATE: RUN = 5, SPARE=0x0, HK_LFR_SC_POTENTIEL_FLAG: ON = 1, **HK_LFR_PAS_FILTER_ENABLED: DISABLED = 0**, SY_LFR_WATCHDOG_ENABLED: ENABLED = 1,

Files

set_load_filter_par.py

4.58 KB

28/06/2016

Veronique bouzid