LFR-FSW - Support #607

medium Criticity : How can we do it

03/02/2016 04:40 PM - Veronique bouzid

Status:	Closed	**Start date:**	03/02/2016
Priority:	Normal	**Due date:**	
Assignee:	Veronique bouzid	**% Done:**	90%
Category:		**Estimated time:**	0.00 hour
Target version:		**Spent time:**	0.00 hour
revision:	r0		

Description

Pour valider les erreurs classées de type medium criticity:
comment fait on?

HK_LFR_DPU_SPW_EARLY_EOP
HK_LFR_DPU_SPW_INVALID_ADDR
HK_LFR_DPU_SPW_EEP
HK_LFR_DPU_SPW_RX_TOO_BIG
HK_LFR_BUFFER_DPU_TC_FIFO
HK_LFR_BUFFER_DPU_TM_FIFO
HK_LFR_AHB_UNCORRECTABLE

History

#1 - 10/02/2016 09:31 AM - Veronique bouzid

- Status changed from New to In Progress

Pour valider le champ HK_LFR_DPU_SPW_EARLY_EOP, j'ai utilisé le test
/opt/VALIDATION_R3/lfrverif/LFR_SVS/SVS-0064/spw_failure_standby.py
et apres avoir enlevé le cable sow et l'avoir remis, le champ HK_LFR_DPU_SPW_EARLY_EOP est positionné à 1:
le compteur HK_LFR_ME_CNT incrémenté de 1
la section d'erreur est à jour
HK_LFR_LAST_ER_RID: ME_LFR_DPU_SPW = 42338,
HK_LFR_LAST_ER_CODE: EARLY_EOP_EEP = 6,
HK_LFR_LAST_ER_TIME=0x8000000dc136

Ici un extrait du fichier 2016_02_04-08_23_01-HKExtract.txt
08:22:41.553099, TM_LFR_HK, TIME=0x8000000c48da, HK_LFR_UPDATE_TIME_TC_CNT=0, HK_LFR_LE_CNT=1, HK_LFR_ME_CNT=0, HK_LFR_LAST_ER_RID: LE_LFR_TIMEC = 42129, HK_LFR_LAST_ER_CODE: MISSING = 21, HK_LFR_LAST_ER_TIME=0x800000022f33, HK_LFR_DPU_SPW_TICK_OUT_CNT=0, HK_LFR_DPU_SPW_LAST_TIMC=0, HK_LFR_DPU_SPW_PARITY=0, HK_LFR_DPU_SPW_DISCONNECT=0, HK_LFR_DPU_SPW_ESCAPE=0, HK_LFR_DPU_SPW_CREDIT=0, HK_LFR_DPU_SPW_WRITE_SYNC=0, HK_LFR_DPU_SPW_RX_AHB=0, HK_LFR_DPU_SPW_TX_AHB=0, HK_LFR_DPU_SPW_EARLY_EOP=0, HK_LFR_DPU_SPW_INVALID_ADDR=0, HK_LFR_DPU_SPW_EEP=0, , HK_LFR_TIMECODE_ERRONEOUS=0, HK_LFR_TIMECODE_MISSING=1, HK_LFR_TIMECODE_INVALID=0, HK_LFR_TIME_TIMECODE_IT=0, HK_LFR_TIME_NOT_SYNCHRO=0, HK_LFR_TIME_TIMECODE_CTR=0

apres avoir enlevé / emis le cable
08:22:49.022261, TM_LFR_HK, TIME=0x8000000e48d9, HK_LFR_UPDATE_TIME_TC_CNT=0, HK_LFR_LE_CNT=2, **HK_LFR_ME_CNT=1**, **HK_LFR_LAST_ER_RID: ME_LFR_DPU_SPW = 42338, HK_LFR_LAST_ER_CODE: EARLY_EOP_EEP = 6, HK_LFR_LAST_ER_TIME=0x8000000dc136**, HK_LFR_DPU_SPW_TICK_OUT_CNT=0, HK_LFR_DPU_SPW_LAST_TIMC=0, HK_LFR_DPU_SPW_PARITY=0, HK_LFR_DPU_SPW_DISCONNECT=1, HK_LFR_DPU_SPW_ESCAPE=0, HK_LFR_DPU_SPW_CREDIT=0, HK_LFR_DPU_SPW_WRITE_SYNC=0, HK_LFR_DPU_SPW_RX_AHB=0, HK_LFR_DPU_SPW_TX_AHB=0, **HK_LFR_DPU_SPW_EARLY_EOP=1**, HK_LFR_DPU_SPW_INVALID_ADDR=0, HK_LFR_DPU_SPW_EEP=0, , HK_LFR_TIMECODE_ERRONEOUS=0, HK_LFR_TIMECODE_MISSING=1, HK_LFR_TIMECODE_INVALID=0, HK_LFR_TIME_TIMECODE_IT=0, HK_LFR_TIME_NOT_SYNCHRO=0, HK_LFR_TIME_TIMECODE_CTR=0

Les fichiers de test (2016_02_04-08_23_01*) se trouvent dans /home/validation/data/R3/3.0.0.18/1.1.89/SVS-0064

Contexte du test

FSW 3.0.0.18
VHDL 1.1.89
EM sans Timegen
SocExplorerEngine.getSocExplorer: Version = 0.6.2, Branch = default, Changeset = 819d0376d481
StarDundee

#2 - 18/02/2016 10:16 AM - Veronique bouzid

- % Done changed from 0 to 90

Les HK suivantes ne seront jamais renseignées donc pas à tester.
HK_LFR_DPU_SPW_INVALID_ADDR
HK_LFR_BUFFER_DPU_TC_FIFO
HK_LFR_BUFFER_DPU_TM_FIFO
HK_LFR_AHB_UNCORRECTABLE

Il reste donc juste à trouver comment valider HK_LFR_DPU_SPW_RX_TOO_BIG

#3 - 17/01/2017 04:18 PM - Veronique bouzid

- Status changed from In Progress to Feedback

Nous avons un script qui permet de tester le champ HK_LFR_DPU_SPW_RX_TOO_BIG.
Ce champ est mis à jour quand la TC envoyée a une taille > à 228 octets.
Le script utilisé pour valider ce champ se trouve dans /opt/VALIDATION_R3plus/lfrverif/LFR-SVS/SVS-0003/send_bad_tc1.py.

Consulter le point redmine #649.

Ne pas oublier de mettre à jour la SRS et la SVS-0003.

#4 - 18/01/2017 12:26 PM - Veronique bouzid

- Status changed from Feedback to Closed