

LFR-FSW - Task #510

fields DESTINATION_ID on TM_LFR_PARAMETER_DUMP and TM_LFR_KCOEFFICIENTS_DUMP compliant // R3

25/09/2015 02:32 PM - Veronique bouzid

Status:	Closed	Start date:	25/09/2015
Priority:	Normal	Due date:	
Assignee:	Veronique bouzid	% Done:	0%
Category:		Estimated time:	0.00 hour
Target version:		Spent time:	0.00 hour
revision:			
Description			
<p>Suite aux bugs #507 et #508, il faut adapter les codes de validation pour vérifier le champ DESTINATION_ID des TM_LFR_PARAMETER_DUMP et TM_LFR_KCOEFFICIENTS_DUMP qui doit être égale au champ SOURCE_ID de la TC_LFR associée soit TC_LFR_DUMP_PAR et TC_LFR_DUMP_KCOEFFICIENTS.</p>			
<p>Cas de TM_LFR_PARAMETER_DUMP modifier lfrverif/common/icd/tm_lfr_parameter_dump_analyse.py pour accepter l'ensemble de source_id valides. ici la section à ajouter item = "DESTINATION_ID: " destination_id = tm_ccsds⁹ if destination_id == 0: tmp += item + "GROUND = 0, " elif destination_id == 110: tmp += item + "MISSION_TIMELINE = 110, " elif destination_id == 111: tmp += item + "TC_SEQUENCES = 111, " elif destination_id == 112: tmp += item + "RECOVERY_ACTION_CMD = 112, " elif destination_id == 113: tmp += item + "BACKUP_MISSION_TIMELINE = 113, " elif destination_id == 120: tmp += item + "DIRECT_CMD = 120, " elif destination_id == 121: tmp += item + "SPARE_GRD_SRC1 = 121, " elif destination_id == 122: tmp += item + "SPARE_GRD_SRC2 = 122, " elif destination_id == 15: tmp += item + "OBCP = 15, " elif destination_id == 14: tmp += item + "SYSTEM_CONTROL = 14, " elif destination_id == 11: tmp += item + "AOCS = 11, " elif destination_id == 254: tmp += item + "RPW_INTERNAL = 254, " else: tmp += "/\\" + item + str(destination_id) + ', '</p>			
<p>ensuite il faut également ajouter la séquence qui permet d'associer le source_id de la tc_lfr_dump_par avec la réponse. --> création d'un mécanisme identique à celui de tm_acknowledgment.py (lfrverifcommon/RulesClasses).</p>			
<p>Cas de TM_LFR_KCOEFFICIENTS_DUMP modifier lfrverif/common/icd/tm_lfr_parameter_dump_analyse.py pour accepter l'ensemble de source_id valides. ici la section à ajouter item = "DESTINATION_ID: " destination_id = tm_ccsds⁹ if destination_id == 0: tmp += item + "GROUND = 0, " elif destination_id == 110: tmp += item + "MISSION_TIMELINE = 110, "</p>			

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elif destination_id == 111:
tmp += item + "TC_SEQUENCES = 111, "
elif destination_id == 112:
tmp += item + "RECOVERY_ACTION_CMD = 112, "
elif destination_id == 113:
tmp += item + "BACKUP_MISSION_TIMELINE = 113, "
elif destination_id == 120:
tmp += item + "DIRECT_CMD = 120, "
elif destination_id == 121:
tmp += item + "SPARE_GRD_SRC1 = 121, "
elif destination_id == 122:
tmp += item + "SPARE_GRD_SRC2 = 122, "
elif destination_id == 15:
tmp += item + "OBCP = 15, "
elif destination_id == 14:
tmp += item + "SYSTEM_CONTROL = 14, "
elif destination_id == 11:
tmp += item + "AOCS = 11, "
elif destination_id == 254:
tmp += item + "RPW_INTERNAL = 254, "
else:
tmp += "/" + item + str(destination_id) + ', '

```

ensuite il faut également ajouter la sequence qui permet d'associer le source_id de la tc_lfr_dump_par avec la reponse.
--> creation d'un mécanisme identique à celui de tm_acknowledgment.py (lfrverifcommon/RulesClasses).

Related issues:

Related to Bug #507: Field DESTINATION_ID into TM_LFR_PARAMETER_DUMP non comp...	Closed	24/09/2015
Related to Bug #508: Field DESTINATION_ID into TM_LFR_KCOEFFICIENTS_DUMP non...	Closed	24/09/2015

History

#1 - 01/10/2015 09:56 AM - Veronique bouzid

- Status changed from New to In Progress

Création de la fonction /opt/VALIDATION_R3/lfrverif/common/RulesClasses/dump_par_reporting.py

Mise à jour du script /home/validation/data/R3/scripts/verif_fields.py

#2 - 02/10/2015 04:23 PM - Veronique bouzid

- Status changed from In Progress to Closed

le script /opt/VALIDATION_R3/lfrverif/common/RulesClasses/dump_par_reporting.py vérifie également le SEQUENCE_CNT et le champ DESTINATION_ID.

Voici ce que l'on observe comme informations dans le rapport du fichier dump_reporting.txt

/home/validation/data/R3/3.0.0.9/1.1.89/SVS-0018/2015_10_01-11_55_41-Detail.txt

11 TC_LFR_DUMP_PAR sent and 11 received

11 TC_LFR_DUMP_PAR sent and 22 received

Array sequence_cnt by destination_id = [2, 2, 2, 2, 2, 2, 2, 2, 2, 2, 2, 65535]

Array number of TM_LFR_PARAMETER_DUMP and TM_LFR_KCOEFFICIENTS_DUMP and sent by destination_id = [3, 3, 3, 3, 3, 3, 3, 3, 3, 3, 3, 0]

le test a envoyé 1 TC_LFR_DUMP_PAR et 1 TC_LFR_DUMP_PAR pour chaque SOURCE_ID de 0 a 256 .

11 sources valides

SOURCE_ID_ENUM = [110, 111, 112, 113, 120, 121, 122, 15, 14, 11, 254]

correspondent aux tableau de DESTINATION_ID

DESTINATION_ID_ENUM = [110, 111, 112, 113, 120, 121, 122, 15, 14, 11, 254, 0]

0 ne doit jamais avoir reçu de paquet, le numéro de seq = 65535

correspondent aux 11 elts du tableau destination_id, le dernier qui c