

LFR-FSW - Bug #811

Analyse Logiscope LFR_3.1.0.4 : metric Comment frequency

19/10/2016 03:26 PM - William Recart

Status:	Closed	Start date:	19/10/2016
Priority:	Normal	Due date:	
Assignee:	Alexis Jeandet	% Done:	0%
Category:		Estimated time:	0.00 hour
Target version:		Spent time:	0.00 hour
revision:	r0		
Description			
Le taux de commentaire doit être > 15% par fonction			
Le métrique "Comment frequency" est non respectée dans 17.39% des cas :			
ASM_reorganize_and_divide (float*, float*, float)			
get_message_queue_id_send (rtems_id*)			
get_message_queue_id_recv (rtems_id*)			
get_message_queue_id_prc0 (rtems_id*)			
get_message_queue_id_prc1 (rtems_id*)			
get_message_queue_id_prc2 (rtems_id*)			
update_queue_max_count (rtems_id, unsignedchar*)			
init_k_coefficients_prc2 (void)			
reset_nb_sm_f1 (unsignedchar)			
init_k_coefficients_prc1 (void)			
reset_nb_sm_f0 (unsignedchar)			
init_k_coefficients_prc0 (void)			
getRingNodeToSendSWF (unsignedchar)			
reset_extractSWF (void)			
waveforms_isr_burst (void)			
WFP_reset_current_ring_nodes (void)			
compute_acquisition_time (unsignedint, unsignedint, unsignedint, unsignedchar, unsignedchar*)			
applyCorrection (double)			
set_wfp_delta_f0_f0_2 (void)			
check_update_info_hk_tds_mode (unsignedchar)			
check_update_info_hk_thr_mode (unsignedchar)			
build_sy_lfr_rw_masks (void)			
merge_fbins_masks (void)			
copyFloatByChar (unsignedchar*, unsignedchar*)			
floatToChar (float, unsignedchar*)			
init_kcoefficients_dump (void)			
restart_asm_activities (unsignedchar)			
launch_spectral_matrix (void)			
setCalibrationData (void)			
setCalibrationDataInterleaved (void)			
setCalibration (bool)			
reset_lfr (void)			
tc_check_length (unsignedchar, unsignedint)			
update_hk_lfr_last_er_fields (unsignedint, unsignedchar)			
check_timecode_and_internal_time_coherency (unsignedchar, unsignedchar)			
init_header_asm (Header_TM_LFR_SCIENCE_ASM_t*)			
getRingNodeForAveraging (unsignedchar)			
ASM_generic_init_ring (ring_node_asm*, unsignedchar)			
SM_reset_current_ring_nodes (void)			
set_time (unsignedchar*, unsignedchar*)			
extractReImVectors (float*, float*, unsignedint)			
copyReVectors (float*, float*, unsignedint)			
getFBinMask (int, unsignedchar)			
init_kcoeff_sbm_from_kcoeff_norm (float*, float*, unsignedchar)			
send_dumb_hk (void)			
get_v_e1_e2_f3 (unsignedchar*)			

History

#1 - 19/10/2016 03:27 PM - William Recart

Les taux de commentaires des fonctions impactées sont les suivants:

```
ASM_reorganize_and_divide (float*, float*, float) 0.10
get_message_queue_id_send (rtems_id*) 0.00
get_message_queue_id_rcv (rtems_id*) 0.00
get_message_queue_id_prc0 (rtems_id*) 0.00
get_message_queue_id_prc1 (rtems_id*) 0.00
get_message_queue_id_prc2 (rtems_id*) 0.00
update_queue_max_count (rtems_id, unsignedchar*) 0.13
init_k_coefficients_prc2 (void) 0.00
reset_nb_sm_f1 (unsignedchar) 0.13
init_k_coefficients_prc1 (void) 0.00
reset_nb_sm_f0 (unsignedchar) 0.14
init_k_coefficients_prc0 (void) 0.00
getRingNodeToSendSWF (unsignedchar) 0.00
reset_extractSWF (void) 0.00
waveforms_isr_burst (void) 0.12
WFP_reset_current_ring_nodes (void) 0.00
compute_acquisition_time (unsignedint, unsignedint, unsignedint, unsignedchar, unsignedchar*) 0.05
applyCorrection (double) 0.00
set_wfp_delta_f0_f0_2 (void) 0.11
check_update_info_hk_tds_mode (unsignedchar) 0.00
check_update_info_hk_thr_mode (unsignedchar) 0.00
build_sy_lfr_rw_masks (void) 0.00
merge_fbins_masks (void) 0.00
copyFloatByChar (unsignedchar*, unsignedchar*) 0.00
floatToChar (float, unsignedchar*) 0.00
init_kcoefficients_dump (void) 0.00
restart_asm_activities (unsignedchar) 0.00
launch_spectral_matrix (void) 0.00
setCalibrationData (void) 0.11
setCalibrationDataInterleaved (void) 0.10
setCalibration (bool) 0.00
reset_lfr (void) 0.00
tc_check_length (unsignedchar, unsignedint) 0.13
update_hk_lfr_last_er_fields (unsignedint, unsignedchar) 0.00
check_timecode_and_internal_time_coherency (unsignedchar, unsignedchar) 0.00
getRingNodeForAveraging (unsignedchar) 0.08
ASM_generic_init_ring (ring_node_asm*, unsignedchar) 0.00
SM_reset_current_ring_nodes (void) 0.00
set_time (unsignedchar*, unsignedchar*) 0.00
extractReImVectors (float*, float*, unsignedint) 0.00
copyReVectors (float*, float*, unsignedint) 0.00
getFBinMask (int, unsignedchar) 0.06
init_kcoeff_sbm_from_kcoeff_norm (float*, float*, unsignedchar) 0.00
get_v_e1_e2_f3 (unsignedchar*) 0.00
```

#2 - 13/01/2017 05:09 PM - William Recart

Vérification effectuée sur le tag 322 (c0603702c8c8) :

Le métrique est non respectée dans 17.12% des cas :

```
ASM_reorganize_and_divide (float*, float*, float) => 0.08
check_update_info_hk_tds_mode (unsignedchar) => 0.00
check_update_info_hk_thr_mode (unsignedchar) => 0.00
build_sy_lfr_rw_masks (void) => 0.00
merge_fbins_masks (void) => 0.00
copyFloatByChar (unsignedchar*, unsignedchar*) => 0.00
floatToChar (float, unsignedchar*) => 0.00
init_kcoefficients_dump (void) => 0.00
restart_asm_activities (unsignedchar) => 0.00
launch_spectral_matrix (void) => 0.00
setCalibration (bool) => 0.00
reset_lfr (void) => 0.00
tc_check_length (unsignedchar, unsignedint) => 0.13
update_hk_lfr_last_er_fields (unsignedint, unsignedchar) => 0.00
check_timecode_and_internal_time_coherency (unsignedchar, unsignedchar) => 0.00
getRingNodeForAveraging (unsignedchar) => 0.08
ASM_generic_init_ring (ring_node_asm*, unsignedchar) => 0.00
SM_reset_current_ring_nodes (void) => 0.00
set_time (unsignedchar*, unsignedchar*) => 0.00
extractReImVectors (float*, float*, unsignedint) => 0.00
copyReVectors (float*, float*, unsignedint) => 0.00
```

```

getFBinMask (int, unsignedchar) => 0.06
init_kcoeff_sbm_from_kcoeff_norm (float*, float*, unsignedchar) => 0.00
send_dumb_hk (void) => 0.14
get_v_e1_e2_f3 (unsignedchar*) => 0.00
increment_hk_counter (unsignedchar, unsignedchar, unsignedint*) => 0.00
get_message_queue_id_send (rtems_id*) => 0.00
get_message_queue_id_rcv (rtems_id*) => 0.00
get_message_queue_id_prc0 (rtems_id*) => 0.00
get_message_queue_id_prc1 (rtems_id*) => 0.00
get_message_queue_id_prc2 (rtems_id*) => 0.00
update_queue_max_count (rtems_id, unsignedchar*) => 0.11
init_k_coefficients_prc2 (void) => 0.00
reset_nb_sm_f1 (unsignedchar) => 0.13
init_k_coefficients_prc1 (void) => 0.00
reset_nb_sm_f0 (unsignedchar) => 0.14
init_k_coefficients_prc0 (void) => 0.00
getRingNodeToSendSWF (unsignedchar) => 0.00
reset_extractSWF (void) => 0.00
waveforms_isr_burst (void) => 0.12
WFP_reset_current_ring_nodes (void) => 0.00
compute_acquisition_time (unsignedint, unsignedint, unsignedint, unsignedchar, unsignedchar*) => 0.05
applyCorrection (double) => 0.00
set_wfp_delta_f0_f0_2 (void) => 0.11

```

#3 - 26/04/2017 02:48 PM - William Recart

```

Satus on FSW V3.2.0.15 : still opened : metric not respected for 19.10%
ASM_reorganize_and_divide (float*, float*, float) 0.08
getRingNodeForAveraging (unsignedchar) 0.08
ASM_generic_init_ring (ring_node_asm*, unsignedchar) 0.00
SM_reset_current_ring_nodes (void) 0.00
set_time (unsignedchar*, unsignedchar*) 0.00
extractReImVectors (float*, float*, unsignedint) 0.00
copyReVectors (float*, float*, unsignedint) 0.00
getFBinMask (int, unsignedchar) 0.06
acquisitionTimelsValid (unsignedint, unsignedint, unsignedchar) 0.11
init_kcoeff_sbm_from_kcoeff_norm (float*, float*, unsignedchar) 0.00
filter (int, filter_ctx*) 0.06
send_dumb_hk (void) 0.14
get_v_e1_e2_f3 (unsignedchar*) 0.00
increment_hk_counter (unsignedchar, unsignedchar, unsignedint*) 0.00
get_message_queue_id_send (rtems_id*) 0.00
get_message_queue_id_rcv (rtems_id*) 0.00
get_message_queue_id_prc0 (rtems_id*) 0.00
get_message_queue_id_prc1 (rtems_id*) 0.00
get_message_queue_id_prc2 (rtems_id*) 0.00
update_queue_max_count (rtems_id, unsignedchar*) 0.11
init_k_coefficients_prc2 (void) 0.00
reset_nb_sm_f1 (unsignedchar) 0.13
init_k_coefficients_prc1 (void) 0.00
reset_nb_sm_f0 (unsignedchar) 0.14
init_k_coefficients_prc0 (void) 0.00
getRingNodeToSendSWF (unsignedchar) 0.00
reset_extractSWF (void) 0.00
waveforms_isr_burst (void) 0.12
WFP_reset_current_ring_nodes (void) 0.00
compute_acquisition_time (unsignedint, unsignedint, unsignedint, unsignedchar, unsignedchar*) 0.05
applyCorrection (double) 0.00
set_wfp_delta_f0_f0_2 (void) 0.00
check_update_info_hk_tds_mode (unsignedchar) 0.00
check_update_info_hk_thr_mode (unsignedchar) 0.00
set_hk_lfr_sc_rw_f_flag (unsignedchar, unsignedchar, float) 0.03
check_sy_lfr_rw_f (ccsdsTelecommandPacket_t*, int, int*, float*) 0.00
build_sy_lfr_rw_mask (unsignedint) 0.13
build_sy_lfr_rw_masks (void) 0.00
merge_fbins_masks (void) 0.00
copyFloatByChar (unsignedchar*, unsignedchar*) 0.00
copyInt32ByChar (unsignedchar*, unsignedchar*) 0.00
copyInt16ByChar (unsignedchar*, unsignedchar*) 0.00
floatToChar (float, unsignedchar*) 0.00
init_kcoefficients_dump (void) 0.00
restart_asm_activities (unsignedchar) 0.00
launch_spectral_matrix (void) 0.00
setCalibration (bool) 0.00
reset_lfr (void) 0.00

```

tc_check_length (unsignedchar, unsignedint) 0.13
update_hk_lfr_last_er_fields (unsignedint, unsignedchar) 0.00
check_timecode_and_internal_time_coherency (unsignedchar, unsignedchar) 0.00

#4 - 14/05/2017 05:44 PM - William Recart

- Status changed from New to Resolved

RFW submitted : RPW-MEB-LFR-RFW-00255-LPP

#5 - 02/10/2018 05:54 PM - William Recart

RPW-MEB-LFR-RFW-00255-LPP Rejected on 20/07/2017

#6 - 03/10/2018 06:18 PM - William Recart

- Assignee changed from paul leroy to Alexis Jeandet

Status on FSW V3.2.0.21 : still opened : metric not respected for 17.04% :
lfr_rtems_cpu_usage_report (void) 0.04
tc_check_length (unsignedchar, unsignedint) 0.13
ASM_reorganize_and_divide (float*, float*, float) 0.08
restart_asm_activities (unsignedchar) 0.00
launch_spectral_matrix (void) 0.00
setCalibration (bool) 0.00
reset_lfr (void) 0.00
check_update_info_hk_tds_mode (unsignedchar) 0.00
check_update_info_hk_thr_mode (unsignedchar) 0.00
set_hk_lfr_sc_rw_f_flag (unsignedchar, unsignedchar, float) 0.03
check_sy_lfr_rw_f (ccsdsTelecommandPacket_t*, int, int*, float*) 0.00
build_sy_lfr_rw_mask (unsignedint) 0.13
build_sy_lfr_rw_masks (void) 0.00
merge_fbins_masks (void) 0.00
copyFloatByChar (unsignedchar*, unsignedchar*) 0.00
copyInt32ByChar (unsignedchar*, unsignedchar*) 0.00
copyInt16ByChar (unsignedchar*, unsignedchar*) 0.00
floatToChar (float, unsignedchar*) 0.00
init_kcoefficients_dump (void) 0.00
getRingNodeToSendSWF (unsignedchar) 0.00
reset_extractSWF (void) 0.00
waveforms_isr_burst (void) 0.12
WFP_reset_current_ring_nodes (void) 0.00
compute_acquisition_time (unsignedint, unsignedint, unsignedint, unsignedchar, unsignedchar*) 0.05
applyCorrection (double) 0.00
set_wfp_delta_f0_f0_2 (void) 0.00
reset_nb_sm_f0 (unsignedchar) 0.14
init_k_coefficients_prc0 (void) 0.00
reset_nb_sm_f1 (unsignedchar) 0.13
init_k_coefficients_prc1 (void) 0.00
init_k_coefficients_prc2 (void) 0.00
get_message_queue_id_send (rtems_id*) 0.00
get_message_queue_id_recv (rtems_id*) 0.00
get_message_queue_id_prc0 (rtems_id*) 0.00
get_message_queue_id_prc1 (rtems_id*) 0.00
get_message_queue_id_prc2 (rtems_id*) 0.00
get_v_e1_e2_f3 (unsignedchar*) 0.00
increment_hk_counter (unsignedchar, unsignedchar, unsignedint*) 0.00
getRingNodeForAveraging (unsignedchar) 0.08
ASM_generic_init_ring (ring_node_asm*, unsignedchar) 0.00
SM_reset_current_ring_nodes (void) 0.00
set_time (unsignedchar*, unsignedchar*) 0.00
getFBinMask (int, unsignedchar) 0.06
init_kcoeff_sbm_from_kcoeff_norm (float*, float*, unsignedchar) 0.00
update_hk_lfr_last_er_fields (unsignedint, unsignedchar) 0.00
check_timecode_and_internal_time_coherency (unsignedchar, unsignedchar) 0.00

#7 - 03/10/2018 06:18 PM - William Recart

- Status changed from Resolved to In Progress

#8 - 13/12/2018 02:38 PM - William Recart

RPW-MEB-LFR-RFW-00255-LPP V1.1 submitted

#9 - 27/03/2019 11:08 PM - bruno katra

- Status changed from In Progress to Closed

RFW 255 acceptée et signée !!

Sera livrée avec le DP R3.2 corrigé pour avril 2019