

# (2021-05-04) RPW FSW Patching Telecon

## Goals

- Work progress and action review since last [\(2021-03-17\) RPW FSW Patching Telecon](#)

## Date

04 mai 2021 at 10PM (via ZOOM)

## Attendees

- [Xavier Bonnin](#)
- [Diane Berard](#)
- [Milan Maksimovic](#)
- [Antonio Vecchio](#)
- Pierre-Luc Astier (apologized)
- Desi Raulin
- [Philippe Plasson](#)
- [Jan Soucek](#)
- [thomas chust](#)
- [Bruno Katra](#)
- Alexis Jeandet
- Moustapha Dekkali (apologized)
- Charles Dixon

## Agenda

1. Review of action-items and open issues (by each team: TDS, LFR, THR, ROC, DAS)
2. Planning
3. Next meeting
4. AOB

## Discussion items

Item	Notes	Action-Items
------	-------	--------------

1.	<ul style="list-style-type: none"> <li>• LFR <ul style="list-style-type: none"> <li>◦ Optimization of the LFR FSW is still in progress</li> <li>◦ A major bug has been found: <ul style="list-style-type: none"> <li>▪ ASM are badly averaged 7 samples discarded over 8 (only 1 sample used over 8)</li> <li>▪ Only impact F0 and F1</li> </ul> </li> <li>◦ CPU budget should be OK (no significant change)</li> <li>◦ QAP support: <ul style="list-style-type: none"> <li>▪ A meeting was organized on April 30 between LFR, THR and CNES teams.</li> <li>▪ QAP support from CNES should very limited</li> <li>▪ Need to see with William Recart (from <a href="#">HENSOLDT SPACE CONSULTING, ex-NEXEYA</a>) for QAP support</li> <li>▪ May be interesting to join effort in terms of QAP support for LFR and THR FSW upgrade activities? To be discussed between LPP, LESIA and CNES</li> </ul> </li> </ul> </li> <li>• TDS <ul style="list-style-type: none"> <li>◦ TDS should be OK to deliver a first FSW patch on time (i.e., end of June 2021)</li> <li>◦ This first patch will fix PCDU interference and minor bugs</li> <li>◦ No mitigation of the 50 kHz interference is planned (as long as the origin is not fully understood)</li> <li>◦ Additional FSW patching might be required during nominal phase.</li> </ul> </li> <li>• THR <ul style="list-style-type: none"> <li>◦ Moustapha and Pierre-Luc are not able to attend this telecon. A poll has been sent by Xavier to schedule as soon as possible a dedicated meeting about THR FSW upgrade status.</li> <li>◦ Antonio has presented some slides about the preliminary analysis of data from EM2 tests at LESIA (to understand the TNR delta time issue). See his slides attached at the bottom of the page (FSW_may2021.pdf).</li> <li>◦ New test runs on EM2 may be needed. Xavier has informed that Diane will not be available on June.</li> </ul> </li> <li>• ROC <ul style="list-style-type: none"> <li>◦ TNR test run on EM2 at LESIA were performed and resulting data delivered to THR team</li> <li>◦ Still need to write formal plan in preparation to in-flight patching operation</li> <li>◦ MOC/SOC will have to be informed if current planning is changed (e.g., THR and/or TDS patching postponed)</li> </ul> </li> </ul>	<ul style="list-style-type: none"> <li><input checked="" type="checkbox"/> Xavier/Diane to inform Simone Thjis about planning (add her in the loop for MEB EM2 runs) - Before next telecon</li> <li><input checked="" type="checkbox"/> Jan to see if IDB changes are really needed or can be avoided. - Before next telecon</li> <li><input checked="" type="checkbox"/> Charles Dixon to send to LFR and THR teams the minimal QAP needs to support the FSW patching activities - Before next telecon</li> <li><input checked="" type="checkbox"/> CNES to organize a QAP-related telecon with LFR and THR team before next meeting</li> <li><input checked="" type="checkbox"/> LFR and THR teams: to send to Charles Dixon (with copy to Desi Raulin) the needs for QAP support - Before next telecon</li> <li><input type="checkbox"/> THR team to think about who will update the documentation related to FSW patching</li> <li><input checked="" type="checkbox"/> ROC and THR teams to plan with the support of Simone Thjis the run of TNR on EM2 (for investigating timestamp anomaly)</li> <li><input checked="" type="checkbox"/> ROC (Xavier) sends a message to MOC/SOC to keep them informed about plan - Before next telecon</li> <li><input type="checkbox"/> ROC (Xavier/Diane) to write a first "RPW FSW patching plan" detailing the needs, actors and planning - Before next telecon</li> <li><input type="checkbox"/> Xavier to see if joint effort is possible about QAP support for LPP and LESIA</li> </ul>
2.	<ul style="list-style-type: none"> <li>• Deltas might be needed w.r.t. to the current planning (see planning in point 2. in <a href="#">(2 021-03-17) RPW FSW Patching Telecon</a>), especially: <ul style="list-style-type: none"> <li>◦ Feasibility of delivering THR FSW patch on June 2021 needs to be confirmed with THR team</li> <li>◦ TDS should be on time to deliver a first patch on June 2021</li> </ul> </li> </ul>	<ul style="list-style-type: none"> <li><input type="checkbox"/> LFR team to refine the date of delivery for its patch in 2022 - End of 2021</li> <li><input checked="" type="checkbox"/> Xavier to organize with THR team a meeting about THR FSW upgrades</li> <li><input checked="" type="checkbox"/> Xavier to see with THR team about current planning readiness status</li> </ul>
3.	<ul style="list-style-type: none"> <li>• Next meeting planned on June 25 at 10AM (CEST)</li> </ul>	
4.		

## Attached items

- [FSW\\_may2021.pdf](#)