

Meeting Minutes - Mi, 05.12.2012, 14:00-15:00

Participants: Solveigh Matthies, Ludwig Hechler, Udo Krause, Harald Bräuning, Alexander Schwinn (Protokoll)

1. Pre-Discussion FESA-Workshop

- Till next monday all notes of all presenters will be collected in the CERN Wiki. After that, all necessary actions will be discussed and arranged. Since not all GSI-people have access there, a snapshot of the CERN Wiki-Page was copied to the GSI-Wiki (See Workshop Agenda)
- Like at CERN, a demo of the new release will be done when it is ready. (Online presentation of all fixes / new features)
- Udo will talk to the AP-team, regarding the necessary work for the FESA DB-integration.
- The optional GSI value-item-postfix "_unit" will be used as before, in addition to the "unit" element which only will appear in the database (used by LSA).

2. Cry-Ring Workshop

Solveigh Udo and Ludwig participated at the Cry-Ring workshop in the mid of November. They reported about the ongoing activity & further plans.

- Nicolas Winkler will summarize the workshop, provide some first schedule and invite to the next meeting.
- The idea is to replace the old hardware-controllers with SCU's and control all devices with the use of FESA-classes.
- Most power supplies there need to be controlled via an DIO/AIO cards.
- The Experimentators would like to have the Cry-Ring operational in 2014. However since the Cry-Ring was approved as TestBench for the Accelerator-Controls-Group, this date is not fixed.
- The Cry-Ring does not emit any radiation-dose which could harm humans. So work will not be interrupted by operational-tests of sub-parts.

3. Two Problem-Cases in FESA (Setting-Sync.)

- Alex showed the two cases, originally provided by Udo and Ludwig to the group.
 - **Case1:** Two RT-Actions to configure HW in the same cycle, and a client sends new setting-data for this cycle after the first RTAction has finished. (Inconsistency!)
 - **Case2:** Measurement property should return the acq.-value and the desired set-value.(HW-Set + HW Get in different RT-Actions, same cycle). Again, client sends new value after first RTAction. Only possible to solve with additional field?
- Harald stated that both cases can not happen if transactional settings are used
- It would be good to have the option to trigger the setting-sync for the RTAction by "hand" in order give the class-developer the possibility to decide when it will be done. (currently setting-sync for RT-Action's is enforced before execution of the user-code)
- Alex will talk to Stephane about that next monday

4. ACU-Power Supplies current state

- Matthias Wiebel finished the work on the preliminary Interface-part of the classes. They can be used now by the AP-team
- Implementation of the RT-Part can be started whenever the new release is ready.
- Ludwig asked the power-supply team when they will deliver a approach to control four power supplies with one ACU. However the power-supply team did not react yet.

5. Preparations next release

- Next week Alex or Solveigh will help Harald to get the current FESA-trunk-version to run on his home-folder on the new asl-cluster. So he can already start to test the new navigator.
- ... ongoing work