

## MICE Experiment Management Office

16<sup>th</sup> December 2014; 14:00 GMT

**Members:** V. Blackmore, S. Boyd, P.M. Hanlet, K. Long, D. Rajaram

**Apologies:** D. Adams, A. Bross, A. Nichols, -R. Preece, C. Rogers

### Notes

#### 1. Introduction: KL

#### 2. Minutes and actions: All

- **KL:** to send list of candidates to SB for discussion on Monday. Agree to follow up with another MOM discussion.

**Done.** MOM list being populated. SB needs to follow up with another MOM discussion; action changed to SB organising the follow-up.

- **SB:** Find rules on shift working and on call for users.

**Stands.** Shift working guide has been obtained. Need now to understand consequences. Likelihood is that only the MOM, which is an on-call position, will be affected.

#### 3. Actions/recommendations from RLSR/MPB: All

Present version of spreadsheet posted on the wiki. We went through the recommendations and actions and updated parts of the table.

#### 4. Report/actions from MIPO: PMH

Consideration of replacement of lead in radiation shutter with LiH. First pass of engineering with the revised waveguide layout.

#### 5. S/w&C progress against milestones: DR

Status summarised in <http://micewww.pp.rl.ac.uk/projects/memo/wiki/2014-12-16-MEMO-C>

KL asked re progress against schedule. DR: offline no issues to report re progress against schedule. However, online tracker DAQ unable to be read out with new trigger. Issue being investigated by Y. Kharadzhev. DR will update when MIPO meets again.

PMH explains that 1553 crate uses an out-of-date controller. D. Adey wants to move to a new version. Also DA seeks to upgrade to a newer computer with an appropriate interface. PMH is following these developments and will report at the next meeting.

#### 6. C&M progress against milestones: PMH

- identified needs for 21 Jan (BeamLine (BL), PID, and Tracker IOCs; State Machines (SM) for: TKU, TKD, PID BL; RC)
- Trackers:
  - agreement with D.Adey as to what needs to be done – simplified user interface to: 1) initialize, 2) calibration, 3) start/stop run
  - E.Overton – working on superceeding part of J.Leaver's control code
  - awaiting DL to complete hooking up ITCs and MKSs – have temporary solution
  - completed control of Wiener PS's
  - switched to CAEN VME interface for all crates – David working on code changes
  - C.Heidt used Yordan's code to use with AFE temperatures/heaters
  - D.Adey to add this code

- SM states defined
  - working version of Tracker Upstream (TKU)
  - EMR:
    - networked all devices in rack
    - working on power switch
    - CAEN HV controller failed, sent back to CAEN; should be back now
    - still need discussions with Francois as to final control system
  - BL IOC is complete, awaiting testing
7. **Status of Step I publications: VB**
- Pion-contamination paper: A bug has been found in reading the raw data. DR and Y. Kharadzov addressing the issue. DR reports that YK believes that there is corruption in some of the data. Some runs can be used. Corruption happened online at the event building stage. Timetable for resolution of this issue is not given. VB will report on progress at the next meeting.
  - EMR beam-test paper: F. Drielsma and Y. Kharadzov have developed a quantitative analysis of the EMR performance and particle identification. This will be used to replace one section in the present draft paper. Some more work needed to be sure that the electron distribution sampled is representative of that which will be present in the experiment. VB has agreed a deadline for a revised draft of 05Jan15.
8. **Preparations for analysis at Step IV: CR**
- To include status of preparation of first Step IV paper and cooling-demo design paper.  
No report as CR unavailable.
9. **Planning for commissioning and operations: SB**
- To include MOM recruitment, preparations for on-call and shift rotas, documentation and liaison with ISIS.
- 2015 MOM recruitment is going OK, remaining unfilled slots are being filled. Will start working on 2016 rota soon.
- On-call: s/w people are ahead of the game (see DR report). The other detector and DAQ groups will be asked to work on a rota asap.
- Documentation development plan is being made. 21Jan15 run will serve as a deadline for completion.
- Shift-tool is now “in beta”. Seems fine. Has now been given to P. Kyberd and J Pasternak to test.
10. **DONM**  
**Agreed:** Thursday 15<sup>th</sup> January 2015 14:00.
11. **AoB**  
None.

## Summary of actions

- **SB:** Find rules on shift working and on call for users.  
Not sure of the status.