

MICE Experiment Management Office

24th March 2015; 14:00 GMT

Present: S. Boyd, V. Blackmore, P.M. Hanlet, K. Long, D. Rajaram, C. Rogers

Apologies: D. Adams, A. Bross, A. Nichols, R. Preece

Notes

1. Introduction: KL

Probably the principal issue is the debrief on the weekend's running and the actions that result.

2. Minutes and actions: All

- **PMH:** Investigate us of job-card system for C&M with RP.

Superseded. Noticed this is now an agenda item (since last time. No need to record in two places!

- **SB:** Ensure that the Serbs and Chinese have correct list of collaborators in CHEESE.

Stands.

- **KL:** Continue to work with sleeping partners to ensure full shift pool.

Ongoing: Progress in working with NIKHEF group. Other sleeping partners still need to be contacted.

- **SB:** Seek to establish Detector Oncall Call.

Stands.

3. Report/actions from MIPO: PMH

4. Planning for commissioning and operations: SB

- To include:

– Status of operations in 2014(03):

- * Summary of weekend running on 21/22Mar15;

W/e running went relatively well. There are a few procedural and other issues that need to be addressed. Repeated TDC-board crashes were the principal issue.

The beam-stop was not open for some of the running on Sunday 22May15 morning. This issue will be addressed via the alarm handler which will flag a close beam-stop as a fault condition.

Jobs on the "active operations jobs list" are being addressed. Hope to deal with most of the in next weekend's running.

Monday meeting has been minuted on the wiki. We agreed to consider this to be sufficient documentation on the w/es running.

- * Progress on revision of run plan for Step IV;

CR has documented the run request that came out of the planning meeting on Wednesday 18Mar15. We agreed that CR would complete his document and then KL, CR and SB would meet to draft the full document required to be sent to the EB for discussion.

- * Revision of shift analysis; Shift options analysis posted on the meeting page. All are asked to read and comment.

– Status of MOM rota;

No update. Presently only two MOM slots are open, each in early 2016. SB will fill as the time approaches.

- Preparations for on-call;
Detector On Call (DOC) is the only slot that needs to be resolved. The BLOC and SOC rotas still need to be defined.
- Status of documentation and liaison with ISIS;
No update. Documentation is not too bad but needs to be completed.
Liaison with ISIS is going through the MICE/ISIS meeting. Need to get a screen in MCR to flag alarms in MICE. P. Franchini and PMH are working on this.
Behind the scenes DA and SB are working on a regular meeting between MICE and ISIS to coordinate in areas of mutual interest.

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

- To include:
 - Progress against milestones;
See notes uploaded. No additional points noted.
 - Consideration of processing time issues.
YK's implementation of a faster processing of the TOF reconstruction works. It has been used it to produce a TOF calibration. Need to put it in MAUS.
DR: Work with AD to define a timeline to get the MAUS speed-up done.

6. C&M progress against milestones: PMH

- To include:
 - Progress against milestones;
Updates to several systems to bring them back online have been made. Work with M. Tucker on the vacuum started.
Much progress on Run Control made over the weekend. Test-run mode works well. Need to finish the “special run” mode where parameters are loaded from the CDB.
TargetMon needs to be updated; requires input from M. Robinson. ISIS monitoring now is working once more. Some updates still to do on ISIS Mon.
All interfaces between DATE and Run Control have been completed. As soon as the FPGA trigger is accepted for production, then scalars can once again be recorded in EPICS.
Beam line run control done. Detector run control milestone has slipped.
We discussed the need to find an organisation that will allow PMH to focus on completing the controls systems needed for Step IV. Organisation lies between PMH and PF. **PMH:** Make a plan for maintaining the online-computing “estate” and resolving ongoing issues with P. Franchini with a view to freeing PMH time for control-system development.
 - Investigation of use of job-card system.
No report this week.

7. Status of Step I publications: VB

- Pion-contamination paper:
No news on EMR as F. Drielsma is moving and has been working to resolve a geometry issue in s/w.
- EMR beam-test paper:
Pion contamination paper is not progressing well. VB will forward an email from Paul Soler. The “second bump” is most likely caused by electrons showering in the KL. Removing these leaves insufficient data in the tails of the distributions to extract a value for the pion contamination.

8. Preparations for analysis at Step IV: CR

- To include:
 - Status of analysis tools etc.
 - Status of preparation of first Step IV paper; and

– Status of cooling-demo design paper (including placement of secondary absorber).

See notes uploaded.

Field-mapping analysis results indicate that survey measurements of the FC have some error. This is now becoming critical since we have to position the magnets on the beam line. For the SS Maria has not yet sent the survey information that relates the magnetic axis to the fiducial points on the magnet.

KL: Initiate a magnet positioning meeting in the very near future.

9. **DONM**

7th April 2015; 14:00 BST

10. **AoB**

PMH: What is the status of OnRec in the MLCR?

DR: The OnRec was working over the w/e, but the viewing was not working except via the WWW browser. DR says that the viewer has now been fixed.

Summary of actions

- **SB:** Ensure that the Serbs and Chinese have correct list of collaborators in CHEESE.
- **KL:** Continue to work with sleeping partners to ensure full shift pool.
- **SB:** Seek to establish Detector Oncall Call.
- **DR:** Work with AD to define a timeline to get the MAUS speed-up done.
- **PMH:** Make a plan for maintaining the online-computing “estate” and resolving ongoing issues with P. Franchini with a view to freeing PMH time for control-system development.
- **KL:** Initiate a magnet positioning meeting in the very near future.