

MICE Experiment Management Office

22nd July 2014; 14:00 BST

Phone details: <http://mice.iit.edu/phonebridge.html>

Present: V. Blackmore, A. Bross, P.M. Hanlet, K. Long, C. Rogers

Apologies: D. Adams, S. Boyd, A. Nichols, R. Preece

Notes

1. Introduction: KL

KL explained he had to leave shortly for a meeting with R. Roser. A. Bross will take over the chair at that point.

2. Minutes and actions: All

Notes agreed.

- **MOM:** draft short MICE Note on results of April and June 2014 runs;
Half done. April run MICE Note ready (A. Dobbs). R. Bayes has a draft of the June run summary. Since SB is not at the meeting KL to chase.
- **KL:** Check with RP and A. Grant whether resource analysis has started based on the first iteration;
Done. Brief discussion with RP. First iteration had been discussed between CR and RP/A. Grant. Still need to feed into overall schedule in a consistent manner. Hope for comments from RP under agenda item below.
- **CR:** Set up regular meeting with RP and AG to review S/w&C schedule. CR will report progress at the MEMO.
Done. CR met with RP and A. Grant last Friday to discuss schedule and to define regular meetings. Some issues related to the details of the schedule were identified and are being resolved. The regular meetings will be on Friday mornings as required.
- **KL:** Take forward negotiations for additional support for the C&M project;
Initiated/stands. KL has discussed with D. Wark and C. Brew. Presently no PPD personnel available with right skills and degree of availability. Need to consider CSD or a hire. KL to continue negotiations.
- **CR:** Discuss with PMH the idea of a more frequent, targeted C&M meeting;
Done. Discussed by CR/PMH which had agreed to start scheduling regular meetings with SG. CR favours broadening the group invited to include other controls contributors. Composition of invitee group still being discussed. Report on progress next meeting (KL to add agenda item).
- **KL/CR:** Clarify the SLA required for the servers supporting the FC activity in R9.
Done. Agreed cover at the next-business-day level for controls except when data taking where the on-call cover with ensure immediate attention. **Note added:** need to document with the other SLAs, action CR.

3. Report/actions from MIPO: PMH

Principal issues discussed at the MIPO related to the preparation of papers and talks for the August review of MAP and MICE.

4. **S/w&C schedule summary and status of integration with construction plan: CR/RP**

RP unable to attend the meeting. It was noted that the S/w&C schedule-integration meetings would take place as required on Friday mornings. The first of these meetings took place last week.

5. **Status of commissioning (magnets and detectors) and operations planning documents: SB/VB**

Status of P. Soler's detector-commissioning document is not known. JPa will give an update on his magnet/beamline commissioning document at the ad-hoc MIPO meeting which is scheduled for tomorrow. For operations document, SB and VB have written a document that gives two scenarios for the duration of runs based on assuming that 10% of triggers will yield good muons. This leads to 100,000 good muons in two hours. They have assumed that a change of absorber will take 10 days. The results are presented in two tables:

- If both solenoid and flip more are commissioned before User Run 2 then will have time to do full emittance-momentum matrix at 5 beta values (three μ^-), flip and solenoid mode, LiH and wedge;
- Delay by one user run in commissioning would allow no wedge absorber studies, but, the rest of the programme could be carried out;

It has been confirmed that ISIS will run to Target Station 2 in January 2016. This means that ISIS will be available to MICE.

The RFCC could arrive Nov16 to Jan17. PRY and frame will be ready before. Note that "worst case" for PRY is Jan16. So, RFCC could be installed immediately.

6. **Status of Step I publications: VB**

- Pion-contamination paper:

Nothing to report. There will be a meeting on Thursday. The group is adding the KL to the analysis. M. Bogimilov has produced a MICE Note on the KL.

- EMR beam-test paper:

On hold until R. Yasfandarov has completed his thesis; defence is 29Jul14. Work will pass to F. ??.

7. **Status of Step IV/V analysis: VB**

ABr reported that there is a re-design of the vacuum vessel for the RFCC in which the cavity vessel bolts to the CC cryostat. This produces a module which is 5 cm longer. Issue of whether the optics of the channel will be compromised and the need to re-layout the RF waveguides identified. VB will study the optics issues.

8. **DONM: Tuesday 5th August 2014; 14:00 BST**

9. **AoB**

SS1 vacuum leak confirmed to be the same as that measured at Wang.

Summary of actions

- **MOM:** draft short MICE Note on results of June 2014 run;
- **KL:** Chase preparation of June 2014 run summary (R. Bayes);
- **KL:** Take forward negotiations for additional support for the C&M project;
- **KL:** Add MEMO agenda item on C&M meeting configuration;
- **CR:** Document the SLA required for the C&M servers including those supporting the FC activity in R9;