

## MICE Experiment Management Office

16<sup>th</sup> June 2015; 14:00 BST

**Present:** P.M. Hanlet, K. Long, R. Preece, C. Rogers, C. Whyte  
**Apologies:** D. Adams, V. Blackmore, S. Boyd, A. Bross, A. Nichols, D. Rajaram

### Notes

#### 1. Introduction: KL

- No specific introduction.

#### 2. Minutes and actions: All

- **KL:** Continue to work with sleeping partners to ensure full shift pool.
  - **Ongoing:** suggest to drop from MEMO; followed in EB.
- **DR:** Work with AD to define a timeline to get the MAUS speed-up done.
  - **Stands.**
- **DR:** Get YK to document online data structure.
  - **Stands.**
- **KL:** Verify that the requirement for PPS training for personnel being allowed to take a shift is controlled access only, i.e. search and secure is not required.
  - **Done.** Policy to train shift personnel in controlled access and MOM (and other named people) in full search discussed with A. Stevens. Deemed to be OK; needs to be documented along with our other procedures.
- **DR:** Ensure consisted code versioning, archival and retrieval across online system.
  - **Stands.**
- **PMH:** Add task to create automatic checking job to ensure completeness and consistency of archived CAM data to "non-urgent" CAM task list.
  - **Done.**

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

- MIPO focused on the RF work-package and the RF expertise. A Xilinx programmer has been identified at DL. A. Bross described the requirements of the RF system. One set of couplers will be tested at the MTA. Two LiH discs can be procured from Y12. Final specifications from cooling demo are being prepared by J. Pasternak et al.
- Re RF manpower: CW believes that the needs are clear. Believe that so long as S. Griffiths has the manpower he needs to deliver the electrical systems at DL and at RAL.

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- **KL:** to push through meeting with SS; we need: PMcI, SS, CW, RP, KL, KR.
4. **Commissioning and operations: SB**
    - Documentation required for Step IV operation sign-off. This is being progressed by those responsible for the different aspects.
    - In SB's absence VB comments from the MOM chair:
      - Have been running when possible. Data for J. Pa taken as part of the u/s beam-line optimization;
      - TOF calibration needs to be redone when u/s detectors are moved.
      - "Only" 1 in 4 spills now have corrupted tracker data. Will be being debugged.
    - **KL/RP:** 15:00 daily commissioning and ops meeting; starting tomorrow.
  5. **S/w&C progress against milestones: DR**
    - No report this time.
  6. **C&M progress against milestones: PMH**
    - SSU and SSD QPSs are now built. Ground-fault protection being prepared, but not yet at RAL.
    - Run Control:
      - ISIS beam-loss monitors now read correctly;
      - Date is sending Spill count, this makes beam-loss sigma calculation wrong;
      - C-API for writing to CDB to be tested tomorrow;
      - USS state machine running;
        - Requires some instrumentation to be connected before it can be completed. DL is fixing this.
      - DSS state machine is ready, but it needs the instrumentation connections to be made;
      - FC state machine being completed;
      - Power circuits for the compressors are being completed. Monitoring of the compressors for the He purification being completed.
    - CL1 application to get addition CAM manpower:
      - Presently with HR; expect to have pushed it through this week or early next.
  7. **Status of Step I publications: VB**
    - Pion-contamination paper:
      - No update on pion paper.
    - EMR beam-test paper:
      - F. Drielsma has sent v3 of note to wise-people. Can then be sent to the collaboration. Paper draft is in preparation. Will be sent to wise-people before the collaboration meeting.
  8. **Preparations for analysis at Step IV: CR**
    - CR preparing beam-based alignment estimate for the collaboration meeting. J. Pasternak has sent cooling-demo specification circulated. Will be presented in detail at CM42.

**9. DONM**

Propose joint MIPO/MEMO for 30Jun15; 14:00

**10. AoB**

- None.

**Summary of actions**

- **DR:** Work with AD to define a timeline to get the MAUS speed-up done.
- **DR:** Get YK to document online data structure.
- **DR:** Ensure consisted code versioning, archival and retrieval across online system.
- **KL:** to push through meeting with SS; we need: PMcI, SS, CW, RP, KL, KR.
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