

MIPO Meeting Notes: 11 Mar. 2014 14:00 GMT

Attending: KL, RP, PMH, MP, JPa, PG, PS

Absent: AG, AN

Invited:

Agenda:

1. Actions from previous meeting
 2. Report from MEMO – PMH
 3. MAP Schedule Update – AB
 4. PRY Progress
 - (a) Tender action – AB
 - (b) Drawing review – AN/JT
 5. Assumptions Document – RP
 - (a) Kick off
 - (b) Areas to discuss
 - i. Maintenance Cryo-coolers etc
 - ii. Spares Mechanical/Electrical
 - iii. Cryogenics Normal operations/Commissioning
 6. MPB and RLSR Preparations – RP
 - (a) Report timescale
 - (b) Agenda and Presentations
 7. AOB
 8. DONM – 25th March
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Minutes:

1. Actions from previous meeting
 - **JPa:** document support tree integration – *in progress*
 - **KL/ABr:** write down commissioning diagram (JP,PMH,ABr w/KL,RP) – *complete*

- **AN/RP:** acceptance criteria for equipment & design/implementation acceptance – *in progress:* AN working on it
- **RP/PMH:** make certain integration of survey teams happens – *complete*
- **PMH:** ensure that bore of DS is surveyed - discuss with TH/AN
– *in progress:* request made
- **RP:** - talk with KR to arrange visit to FNAL for RF testing – *complete:* schedule being re-evaluated at MTA
- **RP:** get PRY information from JT – *stands:* JT snowed under
- **RP:** invite Maurizio to attend magnetic mitigation meeting – *in progress*
 - email sent
 - MB wants more detail of simulations
 - PS will follow up with MB
- **RP:** who pays for new stand or additional shielding – *in progress*
 - agrees stand alone box

2. Report from MEMO – PMH

3. MAP Schedule Update – ABr

- no MAP schedule updates
- issue with SS1 – details to follow

4. PRY Progress

(a) Tender action – ABr

- requisition will be posted today
- 3 vendors have expressed interest
- expect to complete bidding in 1 week
- still problem with steel order - \$400k
- still awaiting JFE
- deadline Friday; if nothing, will except 1008 steel; impacts tracker cryostate

(b) Drawing review – AN/JT

- JT's presentation will be given at VC next week

5. Assumptions Document – RP

(a) Kick off – **ACTION: RP** write initial document and get feedback before end of week

- i. Maintenance Cryo-coolers etc
 - CryoMech comes once/year

- suggest sending MICE
- who pays? – Common Fund
- ii. Spares Mechanical/Electrical
- iii. Cryogenics Normal operations/Commissioning

6. MPB and RLSR Preparations – RP

- RLSR is management and schedule/MPB is progress on construction
- KL will speak with Charlotte Thursday regarding schedule
- ABr – what goes in RLSR?
- MP – reminds that committee wants an integrated form
2 weeks to integrate US/UK milestones to coherent plan
need clarification from AG
- how does this interaction between US & UK happen to discuss?
- need Step IV decision tree for reduced B_{FC}
- KL will update MPB document to reflect these
- MPB – ask Derun to write RFCC section

- (a) Report timescale
 - contribution deadline 4th April, 29th April is meeting
 - Step V vs Step VI – decision point in 2016
- (b) Agenda and Presentations

7. AOB

- (a) magnet error budget
 - Should SS magnets use DCCTs?
 - DL will install, PMH will monitor
 - ABr – need to better understand magnetic error budget, total error budget is 1 part in 10^3 ,
so potentially need each component to be $< 10^{-4}$
 - DCCTs w/calibration & corrections are \$1k
 - MP – is this really required? Need to fully understand problem rather than react to requests.
Note that this is changing design specifications
 - **PMH:** follow up with Darryl VT thresholds
 - **PMH:** follow up with Ian using DCCTs in control loop
- (b) DONM – 25th March

Summary of Actions (incomplete old and new):

- **JPa:** document support tree integration – *in progress*
- **AN/RP:** acceptance criteria for equipment & design/implementation acceptance – *in progress*
- **PMH:** ensure that bore of DS is surveyed - discuss with TH/AN
– *in progress*
- **RP:** get PRY information from JT – *stands*
- **RP:** invite Maurizio to attend magnetic mitigation meeting – *in progress*
- **RP:** who pays for new stand or additional shielding – *in progress*
- **RP** write initial assumptions document and get feedback by end of week
- **PMH:** follow up with Darryl VT threshols
- **PMH:** follow up with Ian using DCCTs in control loop