

Operations Mtg – 30 May 2013

In attendance: Linda Coney (UCR), Adam Dobbs (Imperial), Chris Rogers (RAL), Ryan Bayes (Glasgow), Henry Nebrensky (Brunel), Chris Hunt (Imperial), Domizia Orestano, Rhys Gardener (Brunel), John Nugent (Glasgow)

- **EMR Shifter Training Plan – Ryan/Linda**
 - o 9 July – 8 August
 - o Target people want make changes to target system – DS likely to be running – would like to
 - o **ACTION(30 May):** Ryan start ball rolling on planning/arranging for shifter training – recruit in particular

- **Operations and safety lessons learned – Henry**
 - o Formal route for errors is reporting to SHE who then review it, we find out solutions and learn from what happened to make us all safer
 - o Have two events with improper use of magnets
 - o D2 in DSA – collaborator working on DS in far corner, goal was to run up current in D2 for hardware check, Method Statement said make sure noone present – put up sign and lock DSA. Discovered person was actually in DSA – saw standing, individual was not signed in to the DSA.
 - Error: person in DSA was not signed in
 - Complication: person in DSA would not have seen magnet on light because it is located on the other side of D2
 - Complication: physical space is tight between end of DS and D2 on exit route from this location
 - o **Lessons learned/mitigation:** need to make use of DSA sign-in sheet – improve training, changed Method Statement to require full search of DSA area, magnet hardware being augmented to have magnet-on lamps on both sides
 - o D1 in ISIS – MICE personnel were running D1 to measure current reading on PS matched that in the magnet
 - Originally planned to do this comparison at power supply
 - Put tensor barrier up around MICE magnets in ISIS
 - Put magnet being powered signs up
 - Then decided would be easier to make measurements in ISIS at the magnet
 - Found personnel inside the barrier put up by the magnets, one individual was standing on magnet support frame near magnets that were about to be powered
 - Error: personnel ignored barriers
 - Complication: personnel involved were from different groups
 - **Lessons learned/mitigation:** this is currently moving through SHE and MICE expect a response with advice/suggestions. Additional magnet-on lamps have been installed on other side (so both sides) of Q123. Modifications were made to Method

Statement. It seems like a good policy to put up the taller light-weight fences near Q123. Must coordinate with ISIS crew – this was done, but perhaps needs more.

- Note: is good to pay close attention/follow the RAMS that we have written.
- These are found on the MICO web page at:
<http://mice.iit.edu/mico/doc/>
- Beam Stop – wanted to open it to give access to surveyor when ISIS not running and personnel working in Hall
 - Got Method Statement and started using – this doc says only open when Hall in control of PPS and only open remotely due to radiation hazard. However, in this case, no radiation risk because no ISIS running. Did not want run remotely due to potential for people in Hall to be affected. Decided to run locally for this case.
 - **Lessons learned/mitigation:** There may be exceptions to the documentation. Modifying MS to explain the exception, explain solution, and proceed sensibly is ok. Make sure all personnel involved in doing the work need to understand the RAMS.
- **ACTION(30 May)** – Henry will add notification on RAMS website stating that they need be reviewed every 2 years.
- MOM did not sign into DSA – was not trained/told to do this.
 - Error: incomplete training
 - **Lessons learned:** need to make sure MOMs (and all other personnel) are appropriately trained for access into Hall areas
- **Discussion: new rack room – All**
 - Contact person/people – Luke Fry, Jason Tarrant
 - What racks go in there?
 - Stuff from Hall,
 - Does online group need add racks to list?
 - Services? Network ports
 - Network ports
 - Corollary – will online group need additional network capability? Likely – how much?
 - Power
 - AC
 - Water cooled equipment?
 - UPSs needed?
 - Cable lengths?
 - Compressed air for diffuser? Not in rack?
 - Local fire detection/protection? As done with tracker hardware
 - Environmental monitoring?
 - Will the compressed air receiver system move out of trench into RR2?
 - **ACTION(30 May):** Linda talk with Luke to see what he has on his list and send round info to ops/online

- **G4Beamline error – Milorad – no report – will move to CM session**
- **Review of issues/milestones – see below.**

18 April 2013

ACTION(18 April) – Ian discuss with Andy Nichols what other work in Hall is anticipated for EMR run time period – can we really run 5 days/week for 4 weeks this summer – check on FC work, RF TIARA work – **(30 May) EMR run shifted to arrive in September, ISIS user run in October**

ACTION (18 April) – Ian, Paul Kyberd, Linda – locate/assign shifters
Imperial has new people – Melissa + Chris + Sofie, new student at Warwick, Glasgow, Milan, Como – **(30 May) Ryan Bayes taking over on this with Paul K.**

ACTION(18 April) – investigate possibility/schedule training run in May/June ISIS run – **(30 May) training run will be in ISIS user run from 8 July – 8 August – Ryan will start planning/recruiting**

- **Magnet Mapping – Maria Leonova**

ACTION(18 April) – Maria will talk with Steve V to clarify if using laser tracker in survey

ACTION(18 April) – need details on what happen with SS at RAL – do we power in R9? Do we have necessary infrastructure? Can we turn it on to 1T with Gauss-line-limit? How do we make sure we have same field measurement at Wang and at RAL? Coordinate Hall probe acquisition with Felix. Maria will be point person working with Alan, Felix, Victoria, Andy, Alain on this.

MOM Training – Linda

- o **ACTION(18 Apr):** Linda implement idea of weekly checklist for things that only occasionally need monitoring – **(30 May) in progress – will continue with daily walkthrough for Ryan’s first week – modify to combination of daily/weekly for second week.**

ACTION(18 Apr) – Alain – make MOM 2013 shift schedule public so gaps can be filled

- **issues from Ops issue tracker**
 - o **Beamline** – pneumatic PA – install in next shutdown, Pierrick test in May when at RAL – **(30 May) not tested in May due to reprioritization. There is detailed plan listed in Ops issue tracker #823.**
 - o **Beamline** - phone in sync – spoken to RAL phones, will coordinate with Alan Stevens – should be done in August shutdown after EMR run – (???)

deadline) – **(30 May)** need have phone experts come look at it – will be at least end of July

- **Beamline** – Magnet status panel – **(30 May)** it came back, was installed, not working properly, reflects status of magnet-on lamps, not all lamps present, when get all lamps will complete the wiring – all LEDs worked except for D2 – seems like may be a problem between magnet and panel but might be resolved when all magnet-on lamps available. Also reads out search status of different areas – not working. Shows DSA search but not ISIS search. This feature not needed anymore.
 - **Beamline** – Magnet on lamps – deadline 1 July – **(30 May)** full system installed on Q123, D1 – missing lamps now on Q789, D2. Hardware on order – will be installed.
 - **Beamline** – Door on Q123 rack – deadline 31 Aug – may rearrange cables to fix the problem – **(30 May)** stands
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 - **Safety** – lock on neutron mon panel – (30 May) Francis Burge said she is happy for us to get our own lock. **ACTION(30 May): Ryan will chase up with Andy**
 - **Safety** – list of regular safety checks – Andy/Henry – making slow progress – **(30 May)** – stands – **Henry will talk with Andy**
 - **Safety** – update PPS search guide – about half done, needs modifications due to recent changes in PPS – (8 July 2013) – **(30 May)** part dealing with mimic is done, needs actual hardware info finished off and controlled access procedure
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 - **Documentation** – POMPOMs – change deadline to Dec 2013 – **(30 May)** short form instructions were sent to Linda for uploading, longer one is about 2/3 written that **Henry will be finishing**
 - **Documentation** – elog improvement – Ian – two parts – one is better for MOM checklist – making progress during MOM shift – should be done by end of MOM shift – other half is creating new categories/better organizing the system – can reintroduce new categories w/o eliminating old categories – does create a search issue – maybe leave as disabled – wants problem (new, new-info, fixed) – new deadline (18 May) – **(30 May)** update at CM36
 - **Documentation** – Linda – move MICO page info to micemine – **(30 May)** stands – deadline moved to 15 July after CM36
- **items for next meeting at CM**
- **Milorad** – g4beamline glitch
 - elog
 - new rack room/control room
 - shifter training
 - how prepare for RF TIARA equipment/Hall use