



MICE CM39

Readiness for Step IV

- *Installation sequence and schedule considerations*
- *Logistics, staffing and local planning*
- *Remaining work and open issues*

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Sequence and schedule considerations



- *It's very clear:*
 - *MICE's top-level milestones and schedule have been defined for some time and need not be repeated here*
 - *The four principal, unavoidable in-series operations are:*
 1. *The critical hardware item is the South side PRY support, which must be installed first*
 2. *Then the three magnets can be installed*
 3. *Then the North side PRY*
 4. *Then the final LH2 connections*
 - *All other significant work may be done in parallel to some extent*
- *Our job is to provide a flexible way of working, with sufficient resources to meet the overall milestones.....*



Logistics, staffing and local planning



- *Working patterns*
 - *Because of space and safety constraints, generally three areas in the MICE Hall can be worked on in parallel:*
 1. *The beamline area*
 2. *Rack Room Two*
 3. *South & West mezzanines (LH2 and CCR compressors)*
 - *Assuming that each area minimally needs two people, we need six in total for the core installation team; we have three now*
 - *Two more staff have been interviewed and selected, one mechanical and one electrical, with experience on Diamond*
 - *We also have the full-time Hall Manager, who is rather 'hands on'*
 - *And of course the contributions of external project staff*
 - *Normal working week applies, with overtime at 20 hour/month within STFC guidelines*
 - *DL electrical supervisory staff have agreed on alternate presence at RAL, ensuring near 100% coverage*
 - *Detail planning is by Wednesday meetings – with more in-depth monthly infrastructure meetings*



- *Storage and handling*
 - *Continues to be a problem, but we have:*
 - *R9 and a possible extension of it*
 - *An open area at the top of RAL site, which we will use to store PRY components*
 - *Short-period use of building R24*
 - *Quite important to remember the we cannot rely at all on the RAL rigging crew during August 2014 to Feb 2015, as they will be fully occupied during the ISIS moderator change*
 - *We will need to be self-contained*
 - *Will rent a three tonne forklift and have trained two drivers*
 - *And we have four qualified crane drivers*

Principal remaining work and open issues



Absorber windows

- *We must ship these from the US in the next few months*
- *Solid absorber(s)*
 - *Presumably the admin. Problems are now solved*
- *EMR*
 - *Upgrade to rack for safety reasons in October – rack being purchased*
- *TOF1*
 - *Re-mount w.r.t. PRY*
- *Radiation shutter*
 - *Did somebody tell me we don't need to install it?*
- *Air conditioning*
 - *We'll have to face up to sorting it out for step IV – not costed though*
- *And the PRY of course.....*

