

# Magnetic shielding meeting: 2013-02-06: 15:00 GMT

## Norton Room, R1 (phone conference details circulated)

**Present:** CMacW, JT, KL, IT, MG, HW, JW, CP, PS, JC, AN, AG

### 2. Actions:

- **KL:** Liaise with ISIS to set up joint meeting after Christmas.  
Still need to finalise the date of the joint MICE/ISIS meeting

### 2. Status of magnetic model of MICE Hall:

**PS**

- Work on presentation has taken time away from model development.
- Discussion at DL was valuable. Agreed that MG will look at rack and R9, K. Marinov is working on shielding of the tracker.
- In parallel, PS will continue to develop the MICE Hall model.
- PS notes that JT is making a number of MICE Notes to define his work. PS proposes to make a note on the West Wall. All support PS's proposal.

### 3. Design and detailing of West Wall, MLCR extension and Room of Requirement:

**JT**

- JT has circulated second document detailing the routing of several reference hoses in the CAD model. Comments requested by next Tuesday.
- We agree to asking for the direction of travel (West Wall and Rack Room 2) to be agreed. Detailed documents on design, hose routing and magnetic modelling will follow.
- Discussion of HV rack under the south-mezzanine stairs. Still need to review the field in this neighbourhood.

### 4. Partial return yokes: magnetic analysis and design

**HW**

- Engineering effort phase 1 is being finalised. Slides will be presented at the CM. Have cost estimate, timeline and assembly instructions;
- Part-drawings have been produced and sent to China to verify cost estimate and timeline.
- Automatic simulation which adjusts the currents to achieve the fields specified in the TRD is almost working. Hope is that this can be ready for the MICE CM.

### 5. VC and collaboration meeting presentations

**All**

- CM35: sent to and published by Chris Rogers.
  - Introduction – KL
  - Modelling – PS
  - Racks and MLCR – JT
  - Return yoke – HW
  - Measurements – CMacW
  - Schedule considerations – KL
- CMacW requests that IT does the presentation on the measurements;

## 6. Schedule and plans, discussion

**CMacW**

- CMacW has now gone through 2/3 of Gantt and has added resources. KL and CMacW need to discuss in advance of the collaboration meeting.

## 7. DONM:

20Feb13; 15:00 GMT

Propose 28Feb13 for MICE/ISIS magnetic field meeting – may be revised

## 8. AoB

- Need to review date of meeting when we re-start after CM35 because of the usual Wednesday clashes;

## Summary of actions:

- **KL:** Liaise with ISIS to set up joint meeting after Christmas.