Conference Room 1, R1 (phone conference details circulated)

Present: PS, JT, RP, KL, PH, HW, CMacW, TH, VF, JW, CW, IM, JC, AG

- 1. Actions:
 - **PS:** Update geometry and add quads;
 - Quads not yet attacked. Progress noted below. Stands.
 - MC: Make prioritised list of items to be added to the magnetic model;
 Superseded.
 - **AN,KL:** How to add effort (perhaps B.Sheppard);
 - Underway; Jim Clarke et al will visit Roy Preece on the 10th September;
 - PS, MC: Send transverse forces to mailing list;
 - Stands. MC has made progress on calculation, results are expected soon;
 - JT: evaluate cost and complexity of shielding compressors at south wall
 Stands.
 - IM: Evaluate cost and complexity of shielding compressors at west wall
 Discussed under agenda item below;
 - MC: evaluate effect of racks on field in RF area;
 - In hand;
 - RP/AG: evaluate the installation of the RF amplifier
 - Done; see paper;
 - **TH, JT, IM, MC, AG, RP:** Write paper for presentation to the TB for positioning of the racks behind north wall;
 - Agreed:
 - Finalise the report by 05Sep12;
 - Review at our meeting on 05Sep12;
 - Send AN for TB on 07Aug12.
 - Discussed on agenda below;
 - IM: Check content and limit on operation of the substation;
 - Action stands; need to make our own assessment. Most likely need to study field;
 - **PS, MC:** Consult C. Rogers on version management scheme;
 - PS spoke with CR; have not yet set it up, but plan to use launchpad using Bazarre. Action stands.

2. Status of review of items in Hall and contacts with system owners: LF/MOM

- Email from LF:
 - I have sent it to all of the system owners that I have contact details for, more specifically those that are on the outlook directory.

3. Status of magnetic model of MICE Hall

PS

- See slides;
- Problems with model transmitted to Vector Fields. They reported some fixes to make performance better. With these modifications PS has made additional studies with the magnetic model;

- Plan for next steps presented.
- 4. Discussion of options:

- Racks:
 - Behind north magnetic shield wall;
 - RP: took us through the paper which was circulated.
 - Comments requested from all by the end of the UK working day tomorrow (Thursday 06Sep12).
 - On the mezzanine level to the north east;
 - Back-up scenario at the moment;

- Compressors:

- Along west wall;
 - Confirmation of fields from modellers would be valuable to be added to the west-wall paper;
 - Siting of water plant needs to be resolved;
 - Input from JT on service routes for high-pressure hoses;
 - Present information is 20.1m max length for cryomech high-pressure hoses;
 - Again, comments are solicited by end of the UK working day tomorrow;
- Present scheme, i.e. inside south magnetic shield wall;
 - Not considered a viable option at the moment.

- ISIS plant room:

- KL plans to take reports to D. Findlay to ask whether we can study the plant room option.
- Partial return yokes: HW
 - See slides;
- Igloo:
 - Closure of ends of shield wall.
 - On hold for the moment.

5. Exposure of equipment to magnetic field CMacW, RP

- No report this week;
- JC reminds us of ITER contacts. Idea was discussed once more. Need to work out a plan which might involve ITER;

6. List of specific items to check

PS

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- LH2 delivery systems
- Q9 power supply
- HV rack
- Control rack for compressors, vacuum etc.
- Vacuum pumps

- Substation
- Equipment on the roof
- 6. AoB

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- IM: asks what information is available from tests at Wang NMR.
 - Action: RP: check with SS team what the experience is;

Summary of actions:

- **PS:** Update geometry and add quads;
- **AN,KL:** How to add effort (perhaps B.Sheppard);
- **PS, MC:** Send transverse forces to mailing list;
- JT: evaluate cost and complexity of shielding compressors at south wall
- MC: evaluate effect of racks on field in RF area;
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- **RP:** check with SS team what the experience is;