

## *RAT in Point 8* Réunion Avancement Travaux

HARDWARE COMMISSIONING COORDINATION - WEEK 8

19<sup>th</sup> February 08:30 2889-R-009

Present: AB/CO: M.Koratzinos, R.Lauckner, R.Schmidt  
AB/PO: H.Thiesen  
AT/ACR: R.Rabehl  
AT/MEL: V.Chareyre, R.Flora  
TS/HDO: J.Etheridge, A.Vergara

### **Sector 78**

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- Cooldown progress: Currently at 57° K in the magnets. Minor problems since last meeting delayed progress slightly. Best estimate is for reaching 20° K by end of week.
- 600A short-circuit test installation (required for PIC1): DFBAO is o.k DFBAN is missing 2 short circuits.
- The first cooldown of a DFB last Friday was started.
- ELQA will be performed at 20 K, probably by Thursday or Friday. Some other activities are programmed in parallel, such as cabling.
- Powering Procedures Tests (PPT) worked well, some optimisation of the software still ongoing (e.g. PM data into MTF). A test similar to PIC1 for one octuple circuit took 20min, for the RB circuit 40min. Next tests planned for Friday 23/2. Following week PIC1 will start.
- DFBX right pt 8 in 8-1: access should be ok since there are no warm magnet powering tests this week.
- DFBX left pt8 in 7-8: request for small intervention, should be possible this week.
- Request for CV intervention in TI8 by F.Moro: J.Etheridge asked for details to evaluate the risk.
- J.Etheridge: Two RATs at the same time difficult for the safety coordinators
- D2 left pt8, problem with support (reported last week): has been secured by a temporary fix.
- The PC setup can start as soon as possible (before the planning date)
- R. Schmidt: format of Antonio's planning chart is clear and appropriate. He urges to use it in the future.
- From now on, please refer to the latest planning on <http://hcc.web.cern.ch/hcc/schedules.html>

## Open Issues

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### AC non-conformity

- 29.01.07 Installation of UPS PIC boxes (E.Barbero)
- 13.11.06 Non-conformity of the crates of cryo instrumentation (inrush current) (A.Suraci: ready next year)
- 13.11.06 Non-conformity of the AC cabling of the crates under the magnets. This concerns ACR, MEL & VAC.

### DC cabling

- 19.01.07 Warm Magnet cable positioning to be changed to avoid "antenna" effects (M.Condemine, J.C.Guillaume)
- 22.11.06 Pre-connection of 120A cables in LSSR7 (TS/EL) - PC Non conformities (H.Thiesen)

### Instrumentation Cabling

- 12.01.07 Cryo-instrumentation cables: 2 LSS8L connectors (A.Suraci-J.C.Guillaume)
- 10.01.07 Continuity error with cable 1813004A and a wrong housing of 1702440 which should be replaced (D.Bozzini)

### Cryogenics

- 12.02.07 Cryo-leaks in dipole 3002 and SSS349 (F.Millet)
- 16.01.07 Vac-Cryo Interlock tests - window of 1 day needed (P.Cruikshank-F.Millet)

### Safety

General remark: written communication in advance to announce operations!!!

- 23.11.06 Water leak on the tunnel concrete wall to be fixed (C33L8).

### Preparation of powering test

- 30.11.06 EI\_QA performed on C16L8. ICC test showed reversed sequence of V-taps on circuit RCBV16.L8B1 (D.Bozzini)

### AOB

- 08.01.07 Re-installation of 3 BLMs interfering with pumping groups (B.Dehting)
- 13.11.06 BPM connection in Q2 (R.Jones) - waiting for Inner Triplet to be repaired

## Closed Issues

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Mobile camera installed, tested, fully operational (K.Kershaw)	16.01.07
DFBXG Temperature sensors repaired (R.Rabehl)	16.01.07

Warm magnet transport stuck in the arc 78.	15.01.07
Connection of the NC Magnets in LSS8R (J-C.Guillaume)	15.01.07
DFBX Pumping of Current Leads insulation vacuum (S.Feher, P.Chambouvet)	15.01.07
QPS - 2 cables need repair (R.Denz-D.Tommasini)	12.01.07
DFBXG non-conformity on the current lead heater cables 1821322 and 1821323 (P.Chambouvet-J-C.Guillaume)	12.01.07
Cryo-instrumentation cables: 2 LSS8L + 1 LSS7R to be pulled (A.Suraci-J-C.Guillaume)	15.01.07
Bad positioning of the 13 kA power cable <i>cosses</i> corrected (J-C.Guillaume-P.Denis)	11.01.07
Cryo-instrumentation cables at DFBX inversion sorted out (A.Suraci)	10.01.07



**Next RAT meeting**

**Wednesday, February 21<sup>th</sup> 8:30 @ P8 2889-R-009**

A. Vergara  
M. Koratzinos