

## *RAT in Point 8* Réunion Avancement Travaux

HARDWARE COMMISSIONING COORDINATION - WEEK 9

26 February 2007 08:30 2889-R-009

Present: AB/CO: M.Koratzinos, R.Schmidt, A. Castaneda, M. Zerlauth,  
AT/ACR: F. Millet, J-P. Tapponnier, M. Fathallah  
AT/MEL: S. Le Nour, P. Chambouvet  
AT/MCS: S. de Rijk  
AT/VAC: P. Cruikshank  
TS/HDO: A.Vergara, J. Etheridge, R. Saban  
TS/CSE: S. Grau, G. Fontanini

### **Sector 78**

---

- R. Saban showed a new improved web interface that displays latest values of parameters. For instance look at [http://hcc.web.cern.ch/hcc/cryogenics/cryo\\_systems.php](http://hcc.web.cern.ch/hcc/cryogenics/cryo_systems.php)
- CRYO: to reach liquification of He somewhere in the tunnel will take one day, but it will take approx. 10 days for 10T of He to be liquefied.
- CRYO: request to please return unwanted cryo access cards.
- VAC: problem with insertion vacuum in 78 with a turbo pump down and at the same time a cabling problem (inversion of two gauges). This caused unwanted interlock signals, although thought it was masked off. Will resolve problem today. Look at attached file or in [\\cern.ch\dfs\Users\h\hardcom\PreparationCoolDownSector78\RAT\\_Minutes\sector78-vacinterlock26-2-07.ppt](\\cern.ch\dfs\Users\h\hardcom\PreparationCoolDownSector78\RAT_Minutes\sector78-vacinterlock26-2-07.ppt)
- S. Grau Needs to perform access tests in RA83 today till Monday.
- M. Zerlauth: 2 days of interlock commissioning (PIC1) at 120A completed. Most time in the procedure is taken by postmortem. 600A commissioning comes next.
- G. Fontanini: Intervention close to DFBA involving drilling/welding will be needed in sector 81. Duration: 15 days; to start in 15 days.
- Open issues: "check" means that they might not be open issues any more. HC team will investigate.
- Next meeting Friday 2 March.

### **Open Issues**

---

## AC non-conformity

- 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. Missing still for 81.

## DC cabling

- 19.01.07 Warm Magnet cable positioning to be changed to avoid "antenna" effects (M.Condemine, J.C.Guillaume)

## Instrumentation Cabling

- 10.01.07 Continuity error with cable 1813004A and a wrong housing of 1702440 which should be replaced (D.Bozzini) check

## Cryogenics

## 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) check

## AOB

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

## Closed Issues

---

Vac-Cryo Interlock tests - window of 1 day needed (P.Cruikshank-F.Millet) check Friday	26.02.07
Cryo-instrumentation cables: 2 LSS8L connectors (A.Suraci-J-C.Guillaume) ok	12.01.07
Cryo-leaks in dipole 3002 and SSS349 (F.Millet) ok	12.02.07
Installation of UPS PIC boxes (E.Barbero)	29.01.07
Pre-connection of 120A cables in LSSR7 (TS/EL) - PC Non conformities (H.Thiesen)	22.11.06
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

**Friday, 2 March 8:30 @ 2889-R-009**

A. Vergara  
M. Koratzinos