

*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, A. Castaneda,  
AB/PO: H. Thiesen  
AT/ACR: F. Millet  
AT/MEL: P. Chambouvet, R. Flora, S.Feher, V. Chareyre  
TS/HDO: A.Vergara, R. Saban

## Sector 78

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- CRYO: reported by R. Saban: the upload software problems persisted yesterday; one sensor was found with a hardware fault. Cooling of DBFAN was done yesterday; DFBAO will be cooled today starting 14:00. Voltage tap tests will be done this afternoon. Slight confusion as to when the cooling down to reach 4.5 and eventually 1.9K will commence: either Friday afternoon or Monday morning.
- A. Vergara reminded people that there will be one lights system cut for 15 minutes each side of IP8 today.
- A. Vergara: RR77 powering tests: short circuit on DFB side to check assembly of the short circuit.
- ELQA: DFBA finished
- DC cable water leak saga: two types of seals; the problematic one (made of rubber) was installed in point 4, right of 8 and possible left of 8. All rubber seals will be changed, both on the DFB side and the converter side.
- Calibration of current measuring devices in the converters: This is an operation that should take place every year during LHC operation. Needs to be done for all amperages, but for the 60A and 120A converters it requires disconnecting the DC cables. Will start from UA83 converters; attention is needed as interlock is in place for 120A.
- V. Chareyre: DFB voltage tabs checking: DFBNA: one voltage tap open (but on the outside, somewhere on the LEMO cabling) DFBAO: will be done this afternoon.
- Next meeting Monday, 5 march 2007 in 2889-R-009

## Open Issues

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### 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

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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

**Monday, 5 March 8:30 @ 2889-R-009**

A. Vergara  
M. Koratzinos