

RAT in Point 8 Réunion Avancement Travaux

HARDWARE COMMISSIONING COORDINATION - WEEK 10

7 March 2007 08:30 2889-R-009

Present: AB/CO: M.Koratzinos, R.Schmidt, M. Zerlauth
AB/PO: H. Thiesen, D. Nisbet
AT/MEL: V. Chareyre
AT/MCS: S. De Rijk
AT/ACR: A. Suraci, F. Millet
TS/HDO: A.Vergara, R. Saban
TS/CV: F. Moro

Sector 78

- CRYO: (F.Millet) Most magnets now at 5K. Reported problems: Some level gauges do not work (8 on UA83, 5 on RR77). Also, He guards (overpressure to avoid pollution of the helium system) in tunnel need to be commissioned.
- Intervention for repair of gauges today. No circuit tests or any other electrical tests before intervention is over (estimate: the whole day today)
- F. Moro: preventive change of all joints in water cooled cables. Estimate 2 days of work.
- F. Moro: preventative repairs are needed on the ventilation system in UA83 that runs on top access tunnel. Not possible before, say, June since it will block tests.. Need an evaluation of how high the risk is to decide when to repair.
- V. Chareyre: Galvanic insulation will be fixed today (problem reported during RAT of 5 March). Request to also check that the other galvanic insulations are o.k.
- M. Zerlauth: PIC1 tests performed Monday on 12 circuits on DFBN. Bugs/unstable equipment were found in PM data. Cards were re-programmed by Reiner. Most problems solved, still some timing accuracy problems. The DCCTs of the QPS system are now operational. When the power converter is switched on and goes to minimum stable current, transients provoke a quench signal in the QPS, at least on some circuits. Problem should not be there when the magnets are connected due to the inductive load. This will be tested for all circuits, and possibly an intervention such as disconnecting the DCCTs during PIC1 might be required.
- Next meeting Thursday 8 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

Thursday, 8 March 8:30 @ 2889-R-009

R. Schmidt
M. Koratzinos