

RAT in Point 8 Réunion Avancement Travaux

HARDWARE COMMISSIONING COORDINATION - WEEK 14

2 April 2007 08:30 in 2889-R-009

Present: AB/CO: R. Schmidt, M. Zerlauth, A. Castaneda,
M. Koratzinos
AB/MEL: V. Chareyre, D. Bozzini, B. Flora, G. Kirby,
P. Chambouvet
AB/OP: S. Redaeli, M. Gruwe
AB/PO: V. Montabonnet
AT/ACR: R. Rabehl, P. Gomes, F. Gigquel, E. Millet
AT/MCS: M. Modena
TS/HDO: M.P. Casas, M. Pojer, B. Perea, A. Vergara, J.
Etheridge
PH/LBC: N. Neufeld
IT/DI: P.S. Anderssen

Sector 78

- R. Schmidt reported on CRYO progress since last meeting: A micro power cut occurred last Friday at 16:46. Nearly all equipment tripped. An extra problem of a network failure delayed the restart of cryogenic operations. Mobile vacuum pumps also stopped. The combined interventions and collaboration of many groups resulted in the system coming back to pre- power cut conditions at 4:30 Saturday, apart from the cold compressors that still need permanent presence of experts to operate.
- Quench heater power supplies need to be locked in the "OFF" position. No padlocks are available. The yellow form ("Demande de separation du réseau") needs to be prepared and signed, the equipment will be switched off and the power cables to the crates will be disconnected.
- One 120A circuit is requested to be available for the sequencer (with a short circuit at the level of the power converter) in the DFBMC.
- P.S. Anderssen: A network intervention to install three patch cables is needed for SX8 and UX85. This morning is ideal time for this intervention, but it is not clear if resources will be available.
- Access issues: The hardware commissioning team takes over the responsibility of the sector from the CRYO team today. They should be consulted on all access issues. J. Etheridge has asked for a written access procedure (action: R. Schmidt and A. Vergara)

- **16-5234:** This is the number for Hardware Commissioning coordination, to be informed/consulted at all times.
- Liquid level control issues for the DFBMs and Q4: Level gauges need to be understood, tests will be carried out this morning.
- PIC1 on DFBMA and DFBMC done, converters off, cables on DFBMC /Q5 connected.
- Q4, D2 cables (on DFBMA) will be connected this morning.
- 6 converters (120A) of DFBMA can be pre-tested this afternoon, after we get the correct cryogenic conditions for current leads and cryostats.
- Q5: more tests to be done this morning by D. Bozzini / V. Chareyre to better understand the non-conformities that have been reported.
- Next meeting Tuesday, 3 April.

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

Tuesday, 3 April 8:30 in 2889-R-009

R. Schmidt
M. Koratzinos