

RAT in Point 8 Réunion Avancement Travaux

HARDWARE COMMISSIONING COORDINATION - WEEK 6

9th February 08:30 2889-R-009

Present: AB/BT: J.Uythoven
AB/CO: R.Lauckner, R.Schmidt
AB/OP: R.Giachino
AB/PO: R.Genand, H.Thiesen
AT/ACR: F.Millet, R.Rabehl, A.Suraci
AT/MCS: G.De Rijk, D.Tommasini
AT/MEL: D.Bozzini, P.Chambouvet, R.Denz, S.Feher
TS/HDO: B.Perea, R.Saban, M.Solfaroli, A.Vergara

Sector 78

- Access to sector 7-8 will be set back to CRYO-COOL mode from next Monday (12/02). The cryo-access card will be needed for accessing the sector from Point 8. UA83 will remain open. No card will be needed for accessing the tunnel from Point 7 but the access to the sector 7-8 will be blocked by a fence and a panel at the level of Q6. Any personnel passing the panel must have a cryo-card.
- The Powering Procedure Tests will be done on Wednesday (14/02)
- Some works in the DFBXs were not completed because access to some parts were blocked by a signal cable tray. The US collaboration will try to complete the works on the DFBXG today and DFBXH next week.
- Davide Tommasini informs about a leak in the IFS of one arc SSS. Some ice has appeared. The issue is under investigation.
- Davide Bozzini reports about the partial discharge observed during the ELQA at 80K in one of the circuits. It resulted to be a problem with the electronics of cryogenics. Paulo Gomes has been informed.
- Davide also explains that the list of ten circuits whose resistance will be constantly monitored during the rest of the cool-down has been sent to MPP. Today, the corresponding current leads will be instrumented and results will be recorded from Monday. All these circuits are in the DFBA. Reiner will disconnect the instrumentation cables of the quench detector in those circuits since the injection of current would trigger the quench detector. These circuits will therefore pass their PIC1 tests after it is completed for the others.

Sector 81

Warm Magnets (Jan)

- The tests yesterday on the warm magnets started around 17:00.
- The three compensators were powered successfully and worked correctly during the night.
- For the transfer line magnets:
 - One MBIA tripped yesterday. It did not go through the night test
 - There is no current reading for two correctors
 - Two magnets have the wrong polarity. Labels need to be corrected and relabeled
 - Some controls problems have to be solved
- The tests will continue today. Antonio will remove the safety set up once they are completed. The access to the tunnel will be open from Monday.

Current Leads (Pascal)

- Pascal informs that the on-call service for the leads starts tonight.

Open Issues

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

16.01.07 Vac-Cryo Interlock tests - window of 1 day needed (P.Cruikshank-F.Millet)

22.11.06 Instrumentation and remote control not fully stable (P.Gayet - 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.Dehning)

13.11.06 BPM connection in Q2 (R.Jones) - waiting for Inner Triplet to be repaired

Closed Issues

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>coses</i> corrected (J-C.Guillaume-P.Denis)	11.01.07
Cryo-instrumentation cables at DFBX inversion sorted out (A.Suraci)	10.01.07

Milestones: Test Schedule

Week 45	Interconnections
End week 46 [18.11.06]	Leak Test
End week 47 [24.11.06]	Pressure Test

Week 47-48	EE sensor tests in RR77
Week 48 & 49	Purge and filling
Week 49	Dry Run
Week 49	Short Circuit tests of 60 A
Week 49 [07.12.06]	Diesel Tests
Week 49	ELQA-TP4B (Phase I)
Week 50	Flushing
Week 50 [15.12.06]	ELQA-TP4B (Phase II)
Week 02 [15.01.07]	ELQA-TP4B (Phase III)
Week 03	Cool Down Sector 78
Week 05	Preparation for Powering Tests
Week 08	Decision on DFBs clamps disconnection from Sector 78 (to use them in Sect45 and Sect81)



Next RAT meeting

Monday, February 12th 8:30 @ P8 2889-R-009

Antonio Vergara