Réunion Avancement Travaux

HARDWARE COMMISSIONING COORDINATION

February 06, 2007, 8:30 in CCC

Present: Boris Bellesia, Alejandro Castañeda, Claude Dehavay, Robert Flora, David Nisbet, Ivan Romera, Jacques Toullieux.

SCT in UA67 and UJ67

- AC: -
- DC cables:
  - Little ducts between UA and RA were not closed during the 24hr run. This could have influenced the cable temperatures. Action to be discussed with AB-PO / TS-EL and TS-HDO.
  - Hardware problem of the temperature acquisition system (available only for the first 8h).
  - Rack RYLC03 not labeled by TS-EL. Baptiste has been informed.
- Power converters:
  - The 24h heat run: Today 05.02: DONE
  - Further tests on RB (Active Filter) during tomorrow morning.
  - Polarity Checks foreseen for tomorrow (07.02).
- PIC and CCC: -
- Cooling and Ventilation:
  - Today (06.02) filter cleaning of the water cooled cables circuits.
- WIFI: -
- WorldFIP:-
- Energy Extraction: -

AOB:

- AUG: 9th Feb. 07:
  - EE-QPS team will need ONE person in the tunnel during the AUG.
  - PIC team will need ONE person in the tunnel during the AUG.
- 24h run resume:
  - 05 Feb.
    - 9:05: START
    - 9:08: RCBCH10.R6B1 down, there is a permit fault. Expert called, an on site check is necessary; 380V power missing
10:20: Some power converters tripped due to a low water flow - RB, RQD, RQF, RQ8/9/10.
10.30 restarted power converters

- 06 Feb
  - 09:30 Stop the 24 hours run.
  - 09:45 Restart all power converters for TS/EL and AT/MEL
  - 10:14 Set current to nominal - TS/EL tests
  - 11:11 Change current from nominal to ultimate for AT/MEL tests.
  - 11:36 Stop all power converters.

Open Issues

- 05.02 Little ducts between UA and RA not closed during the 24hr
- 05.02 Rack RYLC03 not labeled by TS-EL.
- 02.02 NC opening on the bad connection on the 6kA racks
- 29.01 Access to the tunnel during AUG
- 08.01 EE fan rotation problem – all ring

Heat Runs and Test Schedule

- 08.01 600A and 13kA EE-system IST.
- 08.01 RB IST. ON GOING
- 11.01 120A powering tests.
- 15.01 2-kA powering tests.
- 15.01 600A powering tests.
- 17.01 600A EE powering tests.
- 22.01 PIC-PC-QPS Interface tests.
- 23.01 RQD&F powering tests.
- 24.01 RB powering tests.
- 25.01 CCC tests for preparing 8hr run
- 26.01 120A-600A-2kA 8h heat run.
- 30.01 RQD/F-RB 8h heat run.
- 05.02 24h heat run test.
- 07.02 Polarity test.
- 09.02 AUG&UPS.

Closed Issues

- 29.01 Slightly higher resistance of a conical junction
- 31.01 too high cable connection temp. of RQ8/9 during 8hr run
- 21.12 Aluminum panel for the cables ducts/ shipping and install.
- 31.01 Identified cause: too high water temp. during 8hr run
- 26.01 Dirty filters to be cleaned in the 13kA water cooled cables
- 29.01 Minor problems in the monitoring system of the EE
PREPARATION SCT in RR73 and UJ76

- ACCESS Information:
  - From Tomorrow (07.02) MORNING unlimited access to UJ76-RR73.
- AC: Simon Brown will link the ECR1 on Wednesday 07.02
- DC cables
  - Baptise will start the cabling of the UJ76 on Wednesday
  - Jean-Claude will start positioning the cable for the fire detection system on Wednesday 07.02
- Power converters:
  - The modules will be put in place on Wednesday 07.02
- PIC and CCC: -
- Cooling and Ventilation: -
➢ WIFI:
  ▪ Wednesday (07.02) morning: zone verification

➢ WorldFIP:
  ▪ Due to access restrictions from point 6 to the working area, delays have been accumulated; schedule:
    • PO segments ready Thursday 8 at 12:00 AM
    • QPS segments: ready Friday 9 at 12:00 AM

➢ Energy Extraction:
  ▪ The WorldFip loops which must be installed by the QPS team on their segment.
  ▪ Equipotential connection: to be verified (intervention by J. Toullieux)

➢ Cleaning: today (02.02) in RR73; Friday (19.02) in UJ76

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Thursday February 8
RAT meeting
8:30 in Point 7

Boris