

RAT Réunion Avancement Travaux

HARDWARE COMMISSIONING COORDINATION

February 22, 2007, 8:30 in CCC

PREPARATION SCT in RR73 and UJ76

TODAY – 23.02 – 8hr run

- AC:
 - Ready for the power consumption measurements at 3.00 pm.
- DC cables:
 - During 8hr run thermo-verification of the cable connection of PC-power cables will be done and hot spots identified.
- Power converters:
 - ~~600A converters in UJ76 to be finished today~~ DONE
 - Non-conformity discovered in the water cooling circuits: the filter is positioned at the exit of the PC. PC are not protected. Opening of a NC. Mirko will inform TS-CV
 - ~~Polarity checks will be performed today (22.02) only in RR73.~~ DONE
- PIC and CCC:
 - ~~CCC: Preparation of the 8hr run – Sequencer preparation and verification of the SET of the DAY.~~ OK
 - Today (23.02) 8hr run
- Cooling and Ventilation:
 - ~~Eletta position to be changed to allow the water circuit valve opening.~~ DONE
- WIFI: -
- WorldFIP: -
- Energy Extraction:
 - Hardware problem on one 600A switch. Solved
 - General positioning problem of the water cooled cables of the EE in odd points. A nc report will be available in the next days. Btw in point 7, due to the fact that in point 6 the two beams do not cross, the position of the water cooled cables of the EE is correct – from DFBAM (such as in DFBAF in point3) the chimney from with the current flows out is DFBAM.7L7.2 (instead of xxx.1).

➤ ACCESS Information:

- Access free to UJ76 and RR73./ Access to the LSSR7 and RR77 ONLY with LHCCOOL CARD.

Open Issues

- 22.02 Polarity tests do not include the warm-magnets cables
- 22.02 Verification of the EE water cooled cables of the odd points
- 22.02 Wrong filter position in the PC cooling circuits
- 08.02 Temporary WIFI cable to be replaced by TS/EL – IT/DI



Heat Runs and Test Schedule

- 07.02 ~~Water circuit filters cleaning in RR73~~
- 12.02 ~~ERD1 powering, FGCs configuration and first tests in RR73~~
- 13.02 ~~120A (RR73) powering tests~~
- 14.02 ~~600A (RR73) powering tests~~
- 14.02 Full power ventilation test
- 15.02 ~~600A-EE interlock and powering tests~~
- 15.02 ~~600A-EE interlock tests~~
- 20.02 ~~600A (UJ76) powering tests~~
- 21.02 ~~Water circuit filters cleaning in UJ76~~
- 22.02 Polarity test
- 23.02 8h heat run in RR73 and UJ76
- 26.02 PIC interface test
- 26.02 Water circuit filters cleaning in RR73/UJ76
- 27.02 CCC test for 24h run
- 28.02 24h heat run test
- 28.02 Electrical services-I_nom-I_max
- 28.02 EE-QPS test at I_max
- 01.03 AUG&UPS.

Closed Issues

- | | | |
|-------|---|-------|
| 08.02 | 13kA-2000 mm ² -water cooled cables reversed | 23.02 |
| 14.02 | Eletta in RR73 must be repositioned | 23.02 |
| 16.02 | Water flow in UJ76 affected the PPT. STOPPED. | 20.02 |
| 16.02 | WiFi not available in UJ76. | 20.02 |
| 14.02 | AB-PO software updating on 600A conv. | 20.02 |
| 14.02 | 2 control cables of the DQS too short | 19.02 |
| 12.02 | LEM reversed: cables to be tightened | 16.02 |
| 08.02 | Fire detection system completed. Reception to be done | 16.02 |

Feb. Moday 26
RAT meeting
9:00 in Point 7

Boris&Mirko

Open Issues SCT in UA67 and UJ67

- 13.02 ~~Report on the AUG-~~
- 12.02 ~~PM generated but stacked in local~~
- 12.02 Few labels missing for cables identification
- 05.02 Little ducts between UA and RA not closed during the 24hr
- 02.02 ~~RSF2.A67B1 and RSF2.A67B2 PIC cables to extend~~
- 02.02 NC opening on the bad connection of the "plages" on the 6kA racks
- 08.01 EE fan rotation problem – all ring