

## **RAT** Réunion Avancement Travaux

### HARDWARE COMMISSIONING COORDINATION

November 27, 2006, 8:30 in point 5

Present: Claude Dehavay, Knud Dahlerup-Petersen, Julien Kis, Jean-Pierre Malod-Dognin, David Nisbet, Mirko Pojer, Rosario Principe.

### **SCT in RR57 and UJ56**

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- Cooling and ventilation:
  - On Friday, 23.11, last cables should have been connected in UJ56. Water circulation may start today at 11.30. A reception of the circuit is planned for early afternoon.
  - Ventilation in UJ56 is working.
- Cables DC:
  - ~~High voltage test without circulating water in UJ56 will be done tomorrow (24.11).~~ DONE
  - The high voltage test with water will be done this afternoon, after water circulation.
  - ~~Boulons missing in RR57.RQ4.R5B2. Julien will fix it today (23.11).~~ DONE
  - Connection chain on power converter RQT12.R5B1. (Ripples observed)
  - On rack RYMCA04: cable inversion from position 1.1 to 1.2.
- Energy extraction:
  - Functional test without current on 600 A have already been completed. The same test on 13 kA will be completed this afternoon, earlier than scheduled.
  - Warning: the 600A EE racks protections will not be removed until the installation activity is not completed (drilling, etc.). Work will proceed after the cleaning.
  - Concerning water conductivity in DQS, due to the highly impure water contained in the circuit at the reception, it is agreed that the insulation test will be done after some days of water circulation in the future.
- ~~Cleaning of the area: some plastic stuff again close to the DQR.~~ DONE
- AOB:
  - Fire detection: some supports were dismantled and need to be re-fixed

## Open Issues

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23.11	Ripples in RQT12R5B1 power converter.
23.11	Cables inversion on rack RYMCA04.
20.11	Problem with water conductivity in DQS: reason known, insulation test still to be performed.
13.11	DC cables high voltage test (RR57 done. Waiting UJ56)
13.11	Test de circulation ED (waiting UJ56)
22.11	Full power ventilation test in RR57 – Friday 8 <sup>th</sup> Dec. 8:30-12:00
22.11	Fire detection – awaiting certification

## Heat Runs and Test Schedule

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06.12	8-h heat run (not before wk 49)
07.12	Polarity Test
08.12	Full power ventilation tests
11.12	10am: 24-h heat run
12.12	UPS test.
13.12	Electric cut (AUG simulation).
14.12	13kA energy extraction test.

## Closed Issues

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13.11	Calibration rack connection	20.11
13.11	Elettas test. Done	20.11
13.11	Elettas Installation. Done	15.11
13.11	Detailed schedule SCT. Ready.	15.11
13.11	Fire Detection in the area. Ok.	15.11
13.11	13kA EE shielding.	16.11
13.11	High Voltage tests with and without water RR57	22.11
19.11	Eletta tests RR57	22.11
13.11	Balisage	22.11
22.11	Wi-Fi damaged cable has to be repaired	27.11
13.11	Ventilation in UJ56	27.11
22.11	DQS acousting shielding and cabling	27.11



## Dry-Run in UA83 and RR77

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Antonio informs that CV has been already asked to start the water circulation in UA83 for the dry-run in weeks 49 and 50. Some flexibles have to be connected and filters will be checked.

Same operations will be needed later for RR77



**Proposal of Short Circuit test inversion between RR73/UJ76 and  
UA67/UJ67**

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The point on the possibility of inversion of the point will be done on next RAT meeting at Point 5.



**Next RAT meeting,  
Wednesday November 29  
8:30 in point 5, room 3595/R-013.**

Mirko