

## **RAT** Réunion Avancement Travaux

### HARDWARE COMMISSIONING COORDINATION

November 2, 2006, 8:30 in CCC

Present: Boris Bellesia, Loic Bourgeois, Carlos Castillo, Mirco Coccoli, Claude Dehavay, Knud Dahlerup-Petersen, Sandor Feher, Robert Harrison, Robin Lauckner, Jean-Pierre Malod-Dognin, David Nisbet, Mirko Pojer, Ronaldus Suykerbuyk, Hugues Thiesen, Jeff Thomsen, Jacques Toullieux, Antonio Vergara, Markus Zerlauth

### **SCT in UA63**

---

---

#### **First 24 hours of the 24-hour heat run**

- The tests have run without major incidents. Ron and Carlos inform that due to a wrong manipulation, the sequencer was down for some hours yesterday (02.11). The failure was totally transparent for the converters since they were able to recover it without stopping the run. Only some data was lost in the journal.
- Knud informs that the last days have shown two problems that are under investigation:
  - Some problems with the temperature registration of the 13kA energy extraction facilities on Tuesday (31.10)
  - Non detection of the wrong connection in the DC line. The overheating should have been seen as it was for previous tests. Knud proposes to do these checks not at the beginning of the 8-hour heat run but at the end in order to allow the piece to warm up and be detectable.
- The action plan agreed for today is the following:
  - 9:00: Ramp down all the converters to 7 TeV operation current
  - 11:00: Shake all the cables of 600 A or less in order to check the reaction of the converter to badly connected/assembled cables.
  - 14:00: UPS tests. All the teams nominate somebody to be present in the area during these tests.
  - 14:30: End of UPS tests and end of the 24-h heat run.
  - 14:30: Some checks to be done on the RQD and RQF converters
  - 16:00: CV needs to intervene for proceeding to the fill of RR57 circuits.
  - The polarity tests are therefore postponed to tomorrow morning (03.11).

- Once the polarity tests are completed tomorrow the short-circuit tests will be considered as completed and the safety panels will be removed.
- The AUG test will be done tomorrow morning after the RAT meeting in SX6 (03.11 8:30). All teams involved should be present.

### Open Issues

---

09.10            Endurance tests of EE. Waiting date from IC

### Heat Runs and Test Schedule

---

24.10            8-h heat run: All converters except 13 kA – Done  
 30.10            8-h heat run: All converters -Done  
 01.11            24-h heat run - Done

### Closed Issues

---

05.10	Fire detection installed.	05.10
05.10	Short circuit parts in UA63.	10.10
09.10	Cleaning of the area.	10.10
09.10	"Tableau BT" tested. Conformity certificates ok.	10.10
09.10	Detailed schedule SCT in UA63 available.	10.10
09.10	Wifi operational.	10.10
09.10	"Balisage" of the UA63 in place.	11.10
09.10	Worldfip operational. Gateway operational.	11.10
10.10	Installation of the FGC completed.	10.10
09.10	EE, "test isolement" on the QF and QD. Done.	13.10
09.10	Water leakage on the RQF to be verified. Done.	13.10
09.10	ED water circuits balancing. Done.	13.10
09.10	Few modules 120 and 600A to be installed. Done.	13.10
09.10	Flashing boxes and "baches" for the short circuit parts.	13.10
17.10	PIC installation done.	17.10
09.10	Elettas calibration. Done.	19.10
20.10	Verification of $I_0$ .	20.10
16.10	Correction of cabling EE	17.10
16.10	PIC installation	17.10
16.10	Check of the elettas. Done.	23.10
23.10	Three Wi-Fi access points are operating	23.10
19.10	ABPO tests 600A with EE	24.10
	RQi converters tested	25.1



**Next RAT meeting**  
**Friday, November 3<sup>rd</sup> 8:30 in SX6**

Antonio Vergara