

RAT Réunion Avancement Travaux

HARDWARE COMMISSIONING COORDINATION

October 24, 2006, 8:30 CCC

Present: Maria Paz Casas-Lino, Carlos Castillo, Julien Kis, Robin Lauckner, Jean-Pierre Malod-Dognin, David Nisbet, Ronaldus Suykerbuyk, Hugues Thiesen, Jacques Toullieux, Antonio Vergara.

SCT in UA63

8-hour heat run with all the converters below 13kA has started without problems today at 8.49. Due to some problems in the 8-hour sequence, the heat-run will be done using the 24-hour sequence and operators will abort it after 8 hours. Carlos explains that the only difference between both sequences is the creation of XML files, which will be transparent for us.

Present situation

- Water filters needed to be cleaned yesterday after a lack of water flow experienced in the morning. CV solved the problem in the afternoon after TCR was informed. Problem is solved now.
- CV: demineralised water off on Thursday Oct 12. Off again on Friday and on Monday Oct 16. Same alarm: "debit de fuite". The analysis of the failure is ongoing. Philippe informs that the only possible explanation so far is the switching on of the Rose station. Knud says that this would be rather strange since the amount of water taken but this station is quite low (around 50 l.) and moreover it would not explain the double generation of the alarm in two different days. CV will keep investigating the issue. Phillipe asks Knud to inform CV when they intend to take water. No news.
- ABPO: all the 120 and 600A PC with and without EE have been tested, and only one (with energy extraction) is experiencing a minor problem which will not impede to include the convert in heat-run today.
- All converters except RB, ROF and RQD tested and ready for the heat-run.
- Jacques will make their measurements related with the heat-run at 14:00h.
- Julien informs that the changes in three cables of the energy extraction facilities have been already done. Tomorrow (25.10) four wrong connected AC cables of converters will be corrected.

- EE: All EE systems 600A already tested without current. These tests will be completed by next Wednesday, Oct 18. No news.
- EE: 13kA Interlock tests started yesterday after the water flow problem was solved.
- 13kA EE non-conformity: Knud informs that all the fans installed in the DQRs (including those of the areas already tested) turn in the wrong direction. Intervention will be carried out in all the stations for setting the sense of the spin properly. No news.
- Polarity tests in UA63: They are planned to start on Thursday (26.10). The 120A of UA83 will be carried out tomorrow (25.10) after *deconsignation* of the area and reprogramming of the FGC software.
- For comments: TSIC proposes a date for the "endurance tests" in point 5. December 4. No feed back from EE.
- It was proposed in the last HCC meeting to carry out the 24-hour heat run at ultimate and operational (instead of nominal) current. By operational it is understood the current in the different converters at 7 TeV operation. The heat load will be therefore lower than at nominal current for all the converters. HCC will get the current values from AB-ABP. Tables have been already asked to AB-ABP.
- HCC will start preparing the AUG and UPS failure tests. It is generally agreed that it would be use to make such tests for wherever possible.

Heat Runs and Test Schedule

24.10	8-h heat run: All converters except RB, ROF and RQD.
27.10	8-h heat run: All converters.
01.11	24-h heat run (pre-test 30.10).

Open Issues

09.10	Installation of the FCR (reduced size) by TSIC.
09.10	Ventilation caps on the cable ducts between UA and RA.
13.10	Wifi extra-box in the UJ.
13.10	ED pumping station off 3 times. Failure analysis.
16.10	13kA switch, EE tests.
19.10	ABPO tests 600A with EE.
23.10	Verification of I_0 . To be done after the 24-hour run.

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



Next RAT meeting
Wednesday October 25, 8:30 in point 6 (SX6)
Room 2685/1-002

Maria Paz Casas-Lino
Antonio Vergara