

HARDWARE COMMISSIONING COORDINATION

November 8, 2006, 8:30 in point 5

Present: Gert-Jan Coelingh, Knud Dahlerup-Petersen, Claude Dehavay, Julien Kis, Franck Moro, Jean-Pierre Malod-Dognin, Mirko Pojer, Rosario Principe, Rudiger Schmidt, Ronaldus Suykerbuyk, Jacques Toullieux.

SCT in UA63 and preparation of the runs in RR57 and UJ56

UA63

Although the 24-h heat run and the electric cut test in UA63 resulted to be successful on a thermal point of view and conclusive, there are few issues still open which require a close follow up:

1. Ventilation fans for the 13kA switch

All the fans installed in the LHC until now, need to be re-wired (inversion of phase). The inversion of phase provokes an inverted rotational sense during the operation of the system. A non-conformity file will be generated by the EE team, which will include the corrective actions foreseen and the schedule of the intervention.

2. Failure on the system 132 (600A EE)

An intervention has been scheduled by EE, in order to correct the balancing between the rapidity of the reaction (electronics) and the velocity of the mechanical response at the opening of the switch, which seems to be the origin of the alarms on the extraction system 132.

3. Faulty switch on the WorldFip/RadMon

New electric cut in the UA is scheduled for the next Friday Nov 17 in order to test the new switch. A "Note de coupure" will be prepared by TSEL. The electric cut will not interest the UW switch-board.

NB: Friday Nov 17, after the electric cut, the HC will proceed to the polarity test on the last PC.

4. RQD switch

EE and ABPO observed incoherence between the behaviour of the RQD switch in the tunnel and the result of the records in the post-mortem. Analysis ongoing.

Open Issues

09.10 Endurance tests of EE. Waiting for a date from IC.

08.11	Fans wiring on the 13kA switch (non-conformity file).
08.11	EE system 132 (scheduled by the end of the week 45).
08.11	WorldFip/RadMon switch test (scheduled Friday Nov 17).
08.11	Polarity test on the last PC ((scheduled Friday Nov 17).
08.11	RQD switch (incoherence with post-mortem).

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
17.11	Electric cut in UA63 (from 8h30 to 10h00).

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
01.11	24-h heat run completed.	02.11
02.11	UPS failure test. Completed.	02.11
03.11	Simulation of AUG in UA63. Done.	03.11

RR57 and UJ56

Cabling DC:

- All DC cabling installed and connectors mounted apart from MBB48 (yellow cable, ready by next Friday Nov 10).
- 3 elettas to be installed and cabled. Waiting for CV.
- Warm cables to be separated in order to improve the heat dissipation and avoid hot spots on the top of the converters. Scheduled by the end of the week, Friday Nov 13.
- The area should be ready for CV by Monday Nov 13.

Cabling AC:

- Installations ready to be operated. Certificates of conformity received. Waiting for the green light of the users (in writing, L. Borcier).
- DQS acoustic shielding: installation of the shielding ongoing, cabling will follow (3 days).

Cooling and ventilation:

- Ventilation in UJ56 ongoing. Completion date to be confirmed.
- Demi water: flexible hoses connexion to be installed (completion by Wednesday Nov 15) and tested (test de circulation from Thursday Nov 16, F. Moro).

WorldFip installation:

- WorldFip cabling ready in the area.
- The validation of the segments will start on Monday Nov 13.
NB: the 600A boucles are ready. The 13kA will be checked before the end of the week by EE.

Balisage of the area (scheduled by Monday Nov 13).

Energy extraction: the "test fonctionels" in this area will certainly take a little bit longer due to the training to be provided to the new-comers.

**Next RAT meeting
Monday November 13
8:30 in point 5, room 3595/R-013.**

Rosario