

RAT Réunion Avancement Travaux

HARDWARE COMMISSIONING COORDINATION

October 30, 2006, 8:30 in CCC

Present: Loic Bourgeois, María Paz Casas-Lino, Carlos Castillo, Knud Dahlerup-Petersen, Julien Kis, Robin Lauckner, Rudiger Schmidt, Ronaldus Suykerbuyk, Hugues Thiesen, Jacques Toullieux, Antonio Vergara.

SCT in UA63

New Issues

- The interlock tests for the 13kA circuits completed.
- On Friday (27.10) afternoon, a ripple problem was seen in the 600A converter RCS.A56.B1. It was caused by a bad contact connection of one cable lug. It has been repaired today (30.10) and the 8-hour heat run will start as expected.
- The 8-hour heat run with all the converters will start today after green light from David. The corrected 8-hour sequence of the sequencer will be used.
- There was a logging problem during the CCC tests last Friday (27.10) which has been already solved.
- It is decided to carry out the 24-hour heat run (after green light is received yesterday from all equipments) on Wednesday (01.11) from 10:00 at ultimate current. After 16 hours of test the current will be ramped down to the current values at 7 TeV (see below).
- Antonio proposes to simulate a double failure by switching from the UPS to the mains after the 24-hour run. The complete sequence of the run would be:
 - Wed 01.11 – 9:00: Communication test from CCC
 - Wed 01.11 – 10:00: Start of 24-h run at ultimate current.
 - Thu 02.11 – 2:00: 7 TeV operation current
 - Thu 02.11 – 11:00: Ramp down to i_{min_op} and switch UPS to mains. Check behaviour of the equipment. Switch from mains to UPS again.
 - Thu 02.11 – 12:00: End of the test.
- An 8-hour calibration run will be done tomorrow (31.10).
- The rest of polarity checks will be done on Thursday (02.11) afternoon.

- AUG Test: it is reminded to all the groups with equipment hanging on the AUG to inform about how are they going to evaluate the effect of the test on their equipment. HCC is trying to fix a date for this test.

Open Issues

09.10	Ventilation caps on the cable ducts between UA and RA.
12.10	Alarm <i>debit de fuite</i> – No news
23.10	Wrong spin of the DQR fan – No news
09.10	Endurance tests of EE. Waiting date from IC
25.10	Intervention on the ROESE station – no news
25.10	Check of all the water filters – Done

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
01.11	24-h heat run – Starting from 10:00

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	25.10

PC_NAME	I_NOMINAL	I_ULTIMATE	Typical LHC collision run
RPTE.UA63.RB.A56	11850	12840	11847.097
RPHE.UA63.RQD.A56	11870	12810	10478.112
RPHE.UA63.RQF.A56	11870	12810	10956.911
RPHGA.UJ63.RQ10.L6B1	5390	5820	3875.644
RPHGA.UJ63.RQ10.L6B2	5390	5820	4431.876
RPHGA.UJ63.RQ8.L6B1	5390	5820	2120.843
RPHGA.UJ63.RQ8.L6B2	5390	5820	3122.066
RPHGA.UJ63.RQ9.L6B1	5390	5820	4309.908
RPHGA.UJ63.RQ9.L6B2	5390	5820	3947.289
RPHH.UA63.RQ4.L6B1	3610	3900	2571.662
RPHH.UA63.RQ4.L6B2	3610	3900	2598.611
RPHH.UA63.RQ5.L6B1	3610	3900	3392.830
RPHH.UA63.RQ5.L6B2	3610	3900	3485.458
RP MBA.UA63.RQT12.L6B1	550	600	-175.929
RP MBA.UA63.RQT12.L6B2	550	600	-396.259
RP MBA.UA63.RQT13.L6B1	550	600	0.040
RP MBA.UA63.RQT13.L6B2	550	600	54.722
RP MBA.UA63.RQTL11.L6B1	550	600	83.586
RP MBA.UA63.RQTL11.L6B2	550	600	106.328
RP MB B.UA63.RCD.A56B1	550	600	528.000
RP MB B.UA63.RCD.A56B2	550	600	528.000
RP MB B.UA63.RCS.A56B1	550	600	-524.740
RP MB B.UA63.RCS.A56B2	550	600	-524.740
RP MB B.UA63.RQS.L6B1	550	600	550.000
RP MB B.UA63.RQTD.A56B1	550	600	550.000
RP MB B.UA63.RQTD.A56B2	550	600	550.000
RP MB B.UA63.RQTF.A56B1	550	600	550.000
RP MB B.UA63.RQTF.A56B2	550	600	550.000
RP MB B.UA63.RSD1.A56B1	550	600	-502.726
RP MB B.UA63.RSD1.A56B2	550	600	-499.672
RP MB B.UA63.RSD2.A56B1	550	600	-502.726
RP MB B.UA63.RSD2.A56B2	550	600	-499.672
RP MB B.UA63.RSF1.A56B1	550	600	321.200
RP MB B.UA63.RSF1.A56B2	550	600	306.289
RP MB B.UA63.RSF2.A56B1	550	600	321.200
RP MB B.UA63.RSF2.A56B2	550	600	306.289
RPLB.UA63.RCBCH10.L6B2	100	110	100.000
RPLB.UA63.RCBCH8.L6B2	100	110	100.000
RPLB.UA63.RCBCH9.L6B1	100	110	100.000
RPLB.UA63.RCBCV10.L6B1	100	110	100.000
RPLB.UA63.RCBCV8.L6B1	100	110	100.000
RPLB.UA63.RCBCV9.L6B2	100	110	100.000
RPLB.UA63.RCBYH4.L6B2	72	77	72.000
RPLB.UA63.RCBYH5.L6B1	72	77	72.000
RPLB.UA63.RCBYV4.L6B1	72	77	72.000
RPLB.UA63.RCBYV5.L6B2	72	77	72.000
RPLB.UA63.RCO.A56B1	100	110	100.000
RPLB.UA63.RCO.A56B2	100	110	100.000



Next RAT meeting
Tuesday October 31, 8:30 in SX6

Maria Paz Casas-Lino
Antonio Vergara