

RAT Réunion Avancement Travaux

HARDWARE COMMISSIONING COORDINATION

January 31, 2007, 8:30 in CCC

Present: Boris Bellesia, Claude Dehavay, Jean-Pierre Malod Dognin, Robert Flora, Baptiste Lebeau, Sandrine Le Naour, David Nisbet, Mirko Pojer, Ivan Romera, Jacques Toullieux.

SCT in UA67 and UJ67

- AC: -

- DC cables
 - Aluminum panel installation will be done for today (31.01).
 - Baptiste informed that during the 8h run of 30.01 the recorded temperatures were all below 45 degrees. (see PC paragraph!)
 - The conical junction of the RQD measured is about 20 mV instead of a normal value of 5 mV. By the way the 8h run will be performed. Today (31.01) TS-EL will re-do the connection.

- Power converters:
 - Today (30.01) second 8h run: all circuits again.
 - Infra Red Analysis showed very high temperatures (up to 250 degree in the worst case) on cable connection on the PC of the RQ9 and RQ8. ACTION: Expected verification from TS-EL (connection verification) and TS-CV (ventilation)
 - Further tests on the RB will be scheduled for after the 24H test as AB/PO are completing tests of the Active Filter on this circuit.
 - The 24h heat run test will be advanced to February, 5.
 - At the end (~16.00) of the 8hr run the too high water cooling circuit temperature provoked a trip of all convertors. (Investigating with TS-EL)

- PIC:
 - RSF2.A67B1 and RSF2.A67B2 used a 'bouchon' at the power converter level instead of the PIC cable: TS-EL will fix it by the end of the week.

- Cooling and Ventilation:
 - Investigation of the too high temperature of the cooling water circuit.

➤ WIFI: -

➤ WorldFIP: -

➤ Energy Extraction:

- Following a request by Noel, Emmanuel Garde (AB/PO) will be present tomorrow (Thursday 01.02) at 9am in UA67 to power the QF and QD circuits for supplementary tests of the 13kA EE system.

AOB:

- AUG: 9th Feb. 07:
 - EE-QPS team will need ONE person in the tunnel during the AUG.
 - PIC team will need ONE person in the tunnel during the AUG.
- It has been suggested that the PIC / EE-QPS / PC systems provide a short hand-book (just few lines) of the most common manipulations of their system to ease the CCC operator work.

Open Issues

31.01	Too high temp. of the cooling water circuit during 8hr run
31.01	too high cable connection temp. of RQ8/9 during 8hr run
29.01	Access to the tunnel during AUG
29.01	Slightly higher resistance of a conical junction
08.01	EE fan rotation problem – all ring
21.12	Aluminum panel for the cables ducts/ shipping and install.

Heat Runs and Test Schedule

08.01	600A and 13 kA EE system IST.
08.01	RB IST. ON GOING
11.01	120A powering tests.
15.01	2 kA powering tests.
15.01	600A powering tests.
17.01	600A-EE powering tests.
22.01	PIC-PC-QPS Interface tests.
23.01	ROD&F powering tests.
24.01	RB powering tests.
25.01	CCC tests for preparing 8hr run
26.01	120A-600A-2kA 8h heat run.
30.01	ROD/F-RB 8h heat run.
05.02	24h heat run test.
07.02	Polarity test.
09.02	AUG&UPS test.

Closed Issues

26.01	Dirty filters to be cleaned in the 13kA water cooled cables	29.01
29.01	Minor problems in the monitoring system of the EE	29.01
10.01	QPS racks connection	29.01
24.01	Eletta in RQ4 to be repaired	25.01
17.01	Broken thermostat on 13 kA EE	26.01
17.01	Broken thermostat on 13 kA EE	25.01
19.01	HV Insulation test of the DQS poles	21.12
19.01	Cleaning of filters by CV (planned for 17.01)	12.01
19.01	Power cut in ERD-R13	12.01
17.01	Loosen bolts on RCBYH4.R6B1 and RCBYV4.R6B2 PCs.	15.01
12.01	Water circuit in RR73 (next SCT)	10.01
10.01	Problem with the CYNETO3	08.01
10.01	Database update for ECR LHC-RPH-EC-0001	12.01
18.12	PC powering	10.01
18.12	Cooling station test by Roese	10.01
18.12	ERD rack powering	09.01
18.12	Elettas calibration	08.01
18.12	Ventilation station	08.01
21.12	HV Insulation test of the DQS poles	08.01
18.12	EOD rack powering	23.12
18.12	Cleaning of the areas	21.12
18.12	Water circulation	21.12
18.12	HV test with circulating water	21.12
18.12	Water-cooled cables supports	21.12
18.12	WorldFip cabling for PO	21.12
18.12	CYNETO1 and CYNETO2 powering	21.12
18.12	Connection of cable extremities on DQS	21.12
18.12	Electrical protection IP2 on LEMs	21.12



Friday February 2
RAT meeting
8:30 in CCC

Boris