

RAT Réunion Avancement Travaux

HARDWARE COMMISSIONING COORDINATION

February 08, 2007, 8:30 at Point 7

Present: Pal Anderssen, Boris Bellesia, Alejandro Castañeda, Serge Chalaye, Knud Dahlerup-Petersen, Claude Dehavay, Sandor Feher, Robert Flora, David Hay, Baptiste Lebeau, David Nisbet, Mirko Pojer, Ivan Romera, Jacques Toullieux

SCT in UA67 and UJ67

- AC:
 - AUG test will be performed tomorrow (09.02), starting from 15.00; affected areas: LSS5-A56-LSS6-A67-LSS7L.
 - Access limited to UA67 for EE and PIC teams.
- DC cables:
 - Rack RYLC03 not labeled by TS-EL. To be done today (08.02)
- Power converters:
 - Further tests on RB (Active Filter): today and tomorrow (09.02) morning.
 - Polarity Checks will be finished tomorrow (08.02).
- PIC and CCC:
 - RSF2.A67B1 and RSF2.A67B2 PIC cables extension verification (08.02).
- Cooling and Ventilation:
 - Elettas calibration on RB and RQ10: today (08.02)
- WIFI: -
- WorldFIP: -
- Energy Extraction: -

AOB:

- See in attachment the 24hr run summary

Open Issues

05.02	Little ducts between UA and RA not closed during the 24hr
05.02	Rack RYLC03 not labeled by TS-EL.
02.02	RSF2.A67B1 and RSF2.A67B2 PIC cables to extend
02.02	NC opening on the bad connection on the 6kA racks
29.01	Access to the tunnel during AUG
08.01	EE fan rotation problem – all ring

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	PIG-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.

Closed Issues

29.01	Slightly higher resistance of a conical junction	02.02
31.01	too high cable connection temp. of RQ8/9 during 8hr run	02.02
21.12	Aluminum panel for the cables ducts/ shipping and install.	02.02
31.01	Identified cause: too high water temp. during 8hr run	02.02
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	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 CYNET03	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	CYNET01 and CYNET02 powering	21.12
18.12	Connection of cable extremities on DQS	21.12
18.12	Electrical protection IP2 on LEMs	21.12



PREPARATION SCT in RR73 and UJ76

- ACCESS Information:
 - Access free to UJ76 and RR73.
 - Access to the LSSR7 and RR77 ONLY with LHCCOOL CARD
- AC:
 - ERD1 transformer in RR73 will be powered on Monday (12.02)
- DC cables
 - Baptise started the cabling of the UJ76
 - Jean-Claude will finish by midday (08.02) the positioning of the cable for the fire detection system.
- Power converters:
 - The modules will be put in place on Monday (12.02) morning and ready to be test in the afternoon.
- PIC and CCC:
 - PIC cabling in RR73 will be checked today (08.02)
- Cooling and Ventilation:
 - Today (08.02): 1st water cooling circuit filter check – RR73.
 - Wednesday (14.02): Full power ventilation test
 - Friday (16.02): 2nd water cooling circuit filter check – UJ76.
- WIFI:
 - Temporary Installation in place (08.02). TS-EL must cable the zone.
- WorldFIP:
 - Several damaged connectors replaced.
 - Due to access restrictions from point 6 to the working area, delays have been accumulated; schedule:
 - PO segments ready Thursday 8 at 12:00 AM
 - QPS segments: ready Friday 9 at 12:00 AM
- Energy Extraction:
 - The WorldFip loops must be installed by the QPS team on their segment.
 - 2 cables have been discovered inverted on the 600A EE (they are turning on the floor). A re-positioning has to be done by TS/EL at the end of the first week of tests.

- HV test has been successfully performed towards ground and between poles (up to 2kV).
 - On Tuesday (13.02) the systems will be ready for the switch test.
 - ~~Equipotential connection: to be verified (intervention by J. Foulieux)~~- OK
- Cleaning: ~~today (02.02) in RR73~~; Friday (19.02) in UJ76
- AOB: ODH installation in UJ76 has been checked, while the one in RR73 will continue in the next days (transparent for the other activities).

Open Issues

- 08.02 Fire detection system to be completed
 08.02 Temporary WIFI cable to be replaced by TS/EL
 08.02 Cables reversed on 600A EE



Heat Runs and Test Schedule

- 07.02 Water circuit filters cleaning in RR73
 12.02 ERD1 powering, FGCs configuration and first tests in RR73
 13.02 120A (RR73) powering tests
 14.02 600A (RR73) powering tests
 14.02 Full power ventilation test
 15.02 600A-EE interlock and powering tests
 15.02 600A-EE interlock tests
 16.02 Water circuit filters cleaning in UJ76
 19.02 8h heat run for 120A&600A in RR73
 20.02 600A (UJ76) powering tests
 23.02 8h heat run for 600A in UJ76
 26.02 PIC interface test
 26.02 Water circuit filters cleaning in RR73/UJ76
 27.02 CCC test for 24h run
 28.02 24h heat run test
 01.03 Electrical services-Inom-Imax
 01.03 EE-QPS test at Imax
 01.03 AUG&UPS.
 05.03 Polarity test

Monday February 12
RAT meeting
8:30 at Point 7

Boris&Mirko