

## **RAT** Réunion Avancement Travaux

### HARDWARE COMMISSIONING COORDINATION

January 29, 2007, 8:30 in Point 6

Present: Boris Bellesia, Claude Dehavay, Jean-Pierre Malod Dognin, David Nisbet, Ivan Romera, Jacques Toullieux, Eric Veyrunes

### **SCT in UA67 and UJ67**

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- AC: -
  
- DC cables
  - Aluminum panel installation not done.
  - Jean-Charles Pierret informed that Friday was the last day of work at CERN. J.C. Guillaume is looking for a substitute.
  - A conical junction of one of the main circuit showed a slightly higher resistance. Waiting for formal information of TS-EL.
  
- Power converters:
  - ~~8hr run for : all circuit included (also RB — ROD/F).~~ DONE
  - Tomorrow (30.01) second 8h run of the main circuits.
  - The 24h heat run test will be advanced to February, 5.
  
- PIC:
  - During the PC 8hr run of the 26.01:
    - All circuits connected to the PIC during the heat run with the exception of RSF2.A67B1 and RSF2.A67B2 (due to two interlock cables that need to be extended).
    - During the heat run, ALL power converters were powered, RSF2.A67B1 and RSF2.A67B2 used a 'bouchon' at the power converter level instead of the PIC cable (as PO did up to now in all other areas).
  
- Cooling and Ventilation:
  - Intervention of TS-CV foreseen for today (29.01) to clean the filters of the 13 kA – converter and cable side.
  
- WIFI:-

- WorldFIP:
  - ~~QPS segment has been completed and R. Denz will connect his racks. DONE~~
  
- Energy Extraction:
  - Minor problems in the monitoring system for RQF/D and RB to be solved today (29.01)
  
- AOB:
  - AUG meeting: Possible date 9<sup>th</sup> Feb. 07. To be confirmed by TS-IC and AT-MCS.
  - EE people will need ONE person in the tunnel during the AUG.
  - A second 8h heat run will be performed tomorrow (30.01) including all the main circuits

## Open Issues

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29.01	Access to the tunnel during AUG
29.01	Slightly higher resistance of a conical junction
29.01	Minor problems in the monitoring system of the EE
26.01	Dirty filters to be cleaned in the 13kA water cooled cables
08.01	EE fan rotation problem – all ring
21.12	Aluminum panel for the cables ducts/ shipping and install.

## Heat Runs and Test Schedule

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

## Closed Issues

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10.01	QPS racks connection	29.01
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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 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



**Tuesday January 30  
RAT meeting  
8:30 in CCC**

**Boris**