

RAT Réunion Avancement Travaux

HARDWARE COMMISSIONING COORDINATION

August 30, 2006, 8.30 – UA43 and UJ43

Present: Carlos Castillo, Noel Fournier, Julien Kis, Jean-Pierre Malod-Dognin, Robin Lauckner, Rosario Principe, Hugues Thiesen, Markus Zerlauth.

SCT in UA43 and UJ43. 24hrs-run first synthesis.

New Issues UA43 and UJ43

- 24 hours heat run from **28.08 14h27** to **29.08 14h54**
 - 28.08, **13h45**. OP launches the procedure to bring the PCs to I-Ultimate... but RQD, RQF and RB, PC permit fault;
 - **13h55** converters ramping up again;
 - **14h27** all converters in I-Ultimate;
 - No news by nite... everything ok apart a filter blocked (RD), but no consequences, flow rate sufficient to run;
 - 29.08 8h45 all converters at I-Nominal. Everything ok.
 - 14h00 no news, some 24 hours run with no surprises. Temperatures stables (max value 66°C).
 - Decided to continue the test in order to perform other thermal measurement on the PCs (demand AB/PO).
 - 14h54 test interrupted (manually, impossible to stop the PCs remotely (WorldFip rack off in US).

- Request of ABPO and ATMEL for complementary tests on the RB.
- Further tests on the Q6 too, due to the current warning appeared during the 24-h run.
- One magnet with jumper installed today in RA47 (to be coordinated with the tests on the RB).
- Remember HCC Thursday afternoon, 31.08 15h30, room 30/7-012.

Agenda:

1. First review of the results of the 24-h heat run :

- a. Converters' current and temperatures (Hugues);
 - b. Power absorbed: active power, total value and by system (Gerard);
 - c. Temperatures in the transformers and useful data on the secondary circuit ERD (Gerard) ;
 - d. Flow rates and temperatures demineralised and chilled water (Joaquim) ;
 - e. Air temperatures in UA43 and, in particular, in the AHU (Joaquim) ;
 - f. Cables temperature (Julien);
 - g. Energy extraction systems (Noël, Gert, Sandrine),
 - h. etc.
2. Status of the works in RR53 (EL, CV, coordination IC)

Open Issues

- 08.29 Complementary tests on the RB (energy extraction and AB/PO)
- 08.29 Analysis on the Q6 (current warning)

Heat Runs and Test Schedule

- First test from CCC – Done (09.08)
- First 8h heat run (120A - 600A) – Done (10.08)
- Second 8h heat run) – Done (24.08)
- 24h run – du 28.08 à 14h27 au 29.08 à 14h54 - Done
- Dry run 4 weeks - from 11.09

Closed Issues

07.24	All power converters already installed	07.26
07.31	Connection of the power converters to the electrical network	08.03
07.31	Balisage Installed	08.02
08.02	Visual protection and cameras in FCR installed	08.07
08.02	Equipment in FCR is ready and operational.	08.08
08.10	Cleaning of the area around DQS	08.10
07.24	WorldFIP address verification.	08.02
07.24	Gateway configuration and updating of the AB/CO database.	08.02
07.28	Water-cooled cables insulation tests with water completed	08.03
07.31	120 A converters tested	08.04

07.31	600 A converters tested		08.08
08.02	<i>Manchettes de diffusion d'air</i> installation – Installed.		08.08
08.07	Cleaning of the blocked water filters		08.08
08.02	Connection of the water-cooled cables completed and verified		08.09
08.07	All elettas tested and OK		08.09
08.08	Water balancing completed		08.10
07.24	Missing energy extraction cables installed		08.09
08.03	Communication with the energy extraction systems recovered		08.09
08.10	1 st 8h-run done, 120A and 600A tested.		08.10
08.10	Problems of PIC with the Ethernet network fixed.		08.10
08.11	Current sensors 600A installed and wired.		08.16
08.11	DQR flow switch out of order. Solved.		08.16
08.14	RQF scaffolding dismantled. Done.	08.16	
08.15	Interlock test RQF and RQD. Done.		08.18
08.18	Interlock test RB. Done.		08.21
08.25	Magnet with jumper installed in RA43. Done.		08.25
08.28	24 hours heat run in UA43 and UJ43 completed.		08.29