

RAT Réunion Avancement Travaux

HARDWARE COMMISSIONING COORDINATION

December 1, 2006, 8:30 in point 5

Present: Claude Dehavay, Julien Kis, Jean-Pierre Malod-Dognin, Sandrine Le Naour, David Nisbet, Mirko Pojer, Jacques Toullieux.

SCT in RR57 and UJ56

- Cables DC:
 - ~~Threshold setup of the ELETTAS. DONE~~
- Power converters:
 - Ripples on power converter RQT12.R5B1. Still under investigation, possibly an interference from a close power converter.
- Energy extraction:
 - Functional test without current on 13 kA: some problem of cabling. Cables are too short; a temporary solution has been found, but an intervention to change them has to be foreseen.
 - ~~600A EE IST with current: interrupted, waiting for the WIFI. Terminated. Thermal and voltage sensors have been installed.~~
- ~~WIFI: Problems in RR57, close to 600A EE system. An intervention is planned for this afternoon. DONE~~
- AOB:
 - A WorldFIP card had to be replaced due to an incorrect time synchronization.

Open Issues

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|-------|--|
| 23.11 | Ripples in RQT12R5B1 power converter. |
| 22.11 | Full power ventilation test in RR57 – Friday 8 th Dec. 8:30-12:00 |
| 22.11 | Fire detection – awaiting certification |

Heat Runs and Test Schedule

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|-------|--------------------------------|
| 01.12 | Squeeze test |
| 06.12 | 8-h heat run |
| 07.12 | Polarity Test |
| 08.12 | Full power ventilation tests |
| 11.12 | 10am: 24-h heat run |
| 12.12 | UPS test. |
| 13.12 | Electric cut (AUG simulation). |
| 14.12 | 13kA energy extraction test. |

Closed Issues

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| 13.11 | Elettas Installation. Done | 15.11 |
| 13.11 | Detailed schedule SCT. Ready. | 15.11 |
| 13.11 | Fire Detection in the area. Ok. | 15.11 |
| 13.11 | 13kA EE shielding. | 16.11 |
| 13.11 | Calibration rack connection | 20.11 |
| 13.11 | Elettas test. Done | 20.11 |
| 13.11 | High Voltage tests with and without water RR57 | 22.11 |
| 19.11 | Eletta tests RR57 | 22.11 |
| 13.11 | Balisage | 22.11 |
| 22.11 | Wi-Fi damaged cable has to be repaired | 27.11 |
| 13.11 | Ventilation in UJ56 | 27.11 |
| 22.11 | DQS acousting shielding and cabling | 27.11 |
| 23.11 | Cables inversion on rack RYMCA04 | 29.11 |
| 20.11 | Problem with water conductivity in DQS | 29.11 |
| 13.11 | DC cables high voltage test | 29.11 |
| 13.11 | Test de circulation ED (waiting UJ56) | 29.11 |
| 29.11 | WIFI problems | 01.12 |
| 29.11 | ELETTAS threshold setup | 01.12 |



Dry-Run in UA83 and RR77

CV informs that operations in UA83 needed for the Powering Procedure Test (dry-run) have already been started (some flexibles have to be connected and filters checked). It is important to know that water can circulate in the area apart the water-cooled cables, where operations are on going.



Proposal of Short Circuit test inversion between RR73/UJ76 and UA67/UJ67

The inversion of the point is confirmed. Test will start on second week of January (first working week!).



**Next RAT meeting,
Wednesday December 6
8:30 in CCC.**

Mirko