

RAT Réunion Avancement Travaux **Point2 - UA23-UJ23**
HARDWARE COMMISSIONING COORDINATION



NEXT RAT meeting UA23-UJ23
Friday 6.07
8:30 in CCC-874



July 04-07-2007 8:30 in **ALICE meeting room - SX2 - 6619**

Present: Maria Paz Casas Lino, Valerie Montabonnet, Jacques Toullieux

Short Circuit Tests in UA23

- **AC (TS-EL): -**
- **DC (TS-EL):**
 - **Cooled Cables (TS-EL):**
Connections to the PC completed for all the circuits with exception of RB.
 - **Non Cooled Cables (TS-EL):**
Two signal cables of the 600A LEMs and 1 Eletta cable have been replaced last Monday 2nd July.
- **Cooling and Ventilation (TS-CV): -**
- **Control cables (TS-EL): -**
- **Contrôle (AB-CO): -**
- **PIC (AB-CO): -**
- **Energy extraction (AT-MEL):**
 - 13 kA IST:
13 kA IST (part without current) has been completed last Tuesday 3rd July.
 - 13 kA interlock test:

The interlock test for RQD and RQF has begun this morning 4th July.

- 600 A IST: Completed.
- 600 A – EE interlock test: Completed. The definitive AMS cards have been installed last Monday 2nd July.

In one system the breaker had to be replaced and in another cleaned. Before the 8h run planned for next Friday both systems have to be re-powered. Gert proposal is to do so when the check of polarity in their voltage-drop measurements is carried out.

The probes for the heat run are to be installed before Friday 6th July (heat run).

- o **WIFI (IT-CS): -**

- o **Convertisseurs (AB-PO):**

- PO foresees to complete in time the required powering for the 8h heat run of next Friday 6th July. The inner triplet circuits are to be confirmed on Friday morning since PO is waiting for some cables to be replaced.

An interruption in the planning during week 29 and 30 has been announced by AB/PO.

- o **8h run circuits < 13kA:**

- It will take place next Friday 6th July, beginning at 9:00.
- Tuesday 5th July a pre-test will take place at 14:00.

- o **Système MKI (AB-BT):-**

- o **Co-activities:**

- **Note that next Thursday 5th July at 14:00 a pre-test for the heat run will take place and no activities are to be carried out in the UA23, UJ23 and RA23 during the period of the pre-test.**
- **Note that next Friday 6th July, a 8h heat run is to be done and no activities are to be carried out in the UA23, UJ23 and RA23.**
- Installation works for the MKI in the UA23 will be done during the SCT period. Emmanuel Paulat has given his agreement to

Hubert but pointing out that the MKI team doing the work must remain in his area.

- The tests for the MKI will begin after the SCT, therefore it is not possible to investigate the interferences of the MKI power converters (pulsed) to the superconducting magnets power converters in the area.

- An intervention from TS/EL in the racks VY, GY et TY in parallel with the powering tests have agreed with safety (Emmanuel P.

"Uniquement pour de la connectique et par du personnel habilité H0B0. Prévoir protections auditives pour les intervenants. A vérifier cependant par TS/EL que les racks équipés et sous tension n'ont pas de connecteurs nus accessibles. Ceux que nous avons vus avec Baptiste ne posaient pas de problème."

Boris and Maria Paz for the HCC



Open Issues SCT in UA27

- 19.06 Due to the burnt out of the transfo EMT6/0627 and the high temperatures registered during the UA27 heat run, it has been decided to repeat the 24h heat run. Waiting for AC input to know when the transfo will be ready.
- 06.06 Electrical departures EBD in UA27 – 67 and 47 to be tested by TA-EL (Jacques agrees with Knud the best moment)
- 04.06 ROX.R2 has been powered with a PIC by-pass / PC side. – interlock test postponed to PIC1 test.

Closed Issues

- 04.06 Water Fault on RQTF.A23B1 / B2
- 22.05 PIC cable of RX circuits
- 31.05 Too high resistance of the conic junction of the RB
- 22.05 RX circuits still to be done – Problem of AC distribution
- 22.05 PIC cables of IPQ (Q4-Q10) to be repaired
- 22.05 **Pressure test in SX2 on 24.05**
- 25.04 The Roess station has been filled up but it was not possible to follow the procedure. Knud is waiting for the supplier enterprise to come and check this and the other stations.



SCT in UJ33

13kA EE: JUNCTION TEST: performed in R37 side – still to be performed in R34 – The mobile 1400A converter had a fault during the test. Knud has required the presence of Hugues to restart the converter safely.

Before the heat run, a verification on the LEMs is to be done for those circuits where there have been modifications.

Open Issues SCT in UJ33

- 20.04 Re-routing of the DC cables.
 - 20.04 24hr heat run NOT PASSED – to be repeated
 - 20.04 13kA in RA34 and 37
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Open Issues SCT in RR73 and UJ76

- 08.02 Temporary WIFI cable to be replaced by TS/EL – IT/DI
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Open Issues SCT in UA67 and UJ67

- 02.02 RSF2.A67B1 and RSF2.A67B2 PIC cables to extend
- 02.02 NC opening on the bad connection of the “plages” on the 6kA racks
- 08.01 EE fan rotation problem – all ring – **ON GOING**