

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



**NEXT RAT meeting UA23-UJ23**  
**Tuesday 10.07**  
**8:30 in ALICE meeting room - SX2 - 6619**



July 06-07-2007 8:30 in CCC

Present: Boris Bellesia, Maria Paz Casas Lino, Alejandro Castañeda, Valerie Montabonnet, Ivan Romera, Jacques Toullieux

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**Yesterday the pre-test for the 8h heat run was passed without problems.**

**The circuits < 13 kA were included in the SOC, with exception of RTQX2.L2, RTQX1.L2 and RQX.L2.**

**Today the 8h heat run started at 9:15.**

**Short Circuit Tests in UA23**

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○ **AC (TS-EL): -**

The polarity test has been advanced to next week, Thursday 12<sup>th</sup> July.

○ **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): -**

○ **Cooling and Ventilation (TS-CV): -**

○ **Control cables (TS-EL): -**

○ **Contrôle (AB-CO): -**

○ **PIC (AB-CO): -**

- For next 8h heat run, "bouchons" at the power converter level, or a dummy box at the DQS level, are to be installed for circuits RTQX2.L2, RTQX1.L2 and RQX.L2 (decision to be taken)

○ **Energy extraction (AT-MEL):**

- 13 kA IST:

13 kA IST (part without current) has been completed.

- 13 kA interlock test:

The interlock test for RQD and RQF has been done, 4<sup>th</sup> July.

- 600 A IST: Completed.

- 600 A – EE interlock test:

Completed. The definitive AMS cards have been installed last Monday 2<sup>nd</sup> July.

○ **WIFI (IT-CS): -**

○ **Convertisseurs (AB-PO):**

- By the beginning of next week, PO foresees to have completed all the powering tests except for RB.A12

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

○ **8h run circuits < 13kA:**

Yesterday, 5<sup>th</sup> July, the pre-test for the 8h heat run was passed without problems.

The circuits < 13 kA were included in the SOC, with exception of RTOX2.L2, RTOX1.L2 and RQX.L2.

Today, 6<sup>th</sup> July, the 8h heat run started at 9:15.

○ **Système MKI (AB-BT):-**

○ **Co-activities:**

- On 6<sup>th</sup> July, during the 8h heat run, no activities are to be carried out in the UA23 and in the UJ23 and RA23 no activities are to take place close to the powered areas.
- 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

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- 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 RQX.R2 has been powered with a PIC by-pass / PC side. – interlock test postponed to PIC1 test.

### Closed Issues

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- 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

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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

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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**

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

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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 – <b>ON GOING</b>