

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



**NEXT RAT meeting UA23-UJ23**  
**Thursday 28.06**  
**8:30 in ALICE meeting room - SX2 - 6619**



June 21-06-2007, 8:30 in **ALICE meeting room - SX2 - 6619**

Present: Boris Bellesia, Davis Nisbet, Ivan Romera, Jacques Toullieux

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**Short Circuit Tests in UA23**

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○ **AC (TS-EL):**

- Problem found on the circuit breaker EMD203.
- Technical Inspection done.
- "Mises sous tension" done.

○ **DC (TS-EL):**

- **Cooled Cables (TS-EL):**

Isolation test finished.

Connections to the PC completed for all the circuits with exception of RQD, RQF and RB.

TS/EL will connect the cables to RQD and RQF before next Monday 25<sup>th</sup> June.

- **Non Cooled Cables (TS-EL):**

Two 600A DC cables to be replaced because too short. The replacement will not affect the SCT. The work will be done during the 2week of stop of the tests – w29-30

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

- **Eletta calibration done yesterday 25.06**

○ **Control cables (TS-EL):**

Done.

○ **Contrôle (AB-CO):**

- World Fip:
  - Ready for QPS
  - All the segments ready for PO since yesterday 19<sup>th</sup> June:
    - Segment A UA23 (Pit side).
    - Segment B UA23 towards UJ23.
    - Segment C UA23 towards UJ23.

○ **PIC (AB-CO):**

Today – 26.06: Pic interface tests on 120A and 600A noEE

○ **Energy extraction (AT-MEL):**

- 13 kA IST:  
Efforts are put in sector 7-8.  
A possible delay in the planning has been announced for 13kA system due to reduction of resources in summer and due to the efforts put on sector 7-8.  
The list of non conformities given to TS/EL will be fixed by next Monday 25<sup>th</sup> June.
- 600 A IST: Done.
- 600 A – EE interlock test:  
It will not begin before next week.  
Software problem on the 600A EE sys.

○ **WIFI (IT-CS):**

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○ **Convertisseurs (AB-PO):**

- powering of 120 A and 600A NOEE circuits completed
- IST on the 6kA PCs.
- Inner Triplet circuits will start next week

An interruption in the planning from week 29 to week 31 has been announced by AB/PO. It means a delay of three weeks. The SCT UA23 planning has been adjusted to this request and is waiting for an official answer from planning.

○ **Système MKI (AB-BT):**

Connection tests done.

○ **Co-activities:**

- An intervention of CV on the DQS is foreseen for next Friday 22<sup>nd</sup> June.
- 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.

## 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.                                      |
| 14.06 | The possibility of repeating the AUG-UPS test is open. It is requested a real AUG-UPS test in which the water circulation is not prevented to be cut. The reason is that the water circulation cut triggers the opening of the switches in the 13kA EE system. |
| 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 IPO (Q4-Q10) to be repaired  |
| 22.05 | <b>Pressure test in SX2 on 24.05</b>   |
| 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:
  - The 18.06 the IST with a portable PC (1400A) was performed in RA34. The test in RA37 will be done as soon as the converter is ready. Waiting for PO input. Water must be circulated 3 days before the tests.

### 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 – **ON GOING**