

**RAT** Réunion Avancement Travaux **RR17/UA23-UA27/UJ33**  
HARDWARE COMMISSIONING COORDINATION



**NEXT RAT meeting**  
**Tuesday 24.07 at 8:30**  
**Point 1**



July 20-07-2007 8:30 in CCC

Present: Boris Bellesia, Remy Grimand, Valerie Montabonnet, Ivan Romera

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**Heat runs general schedule:**

**UA23:** 6<sup>th</sup> August: 9:00-17:00 – **8hr heat run**

**UA27-UA23:** 9<sup>th</sup> August 17:00 – 10<sup>th</sup> August 17:00 – **24hr heat run**

**RR17-UJ16:** 14<sup>th</sup> August: 9:00-17:00 – **8hr heat run**

**RR17-UJ16:** 17<sup>th</sup> August 17:00 – 18<sup>th</sup> August 17:00 – **24hr heat run**

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**UJ33: 24hr heat run**

- The 24hr heat run has been successfully performed. The re-routing of the cables was successful. The temperatures measured in the UJ33 are now in line with the ones recorder in the other LHC short circuit test zones and the so the temperature inside the FGC and 600A EE racks.

The detailed summary of the heat run will be presented at the HCC meeting on the 2<sup>nd</sup> of August.

One open issue has been found of the DC cables:

The cables of the converter RPMBB.UJ33.RSS.A23B1 are close to the current leads of the circuit RSS.A23B2 and viceversa. During next week TS-EL will invert the two circuits at the PC side. The cabloteque will be modified.

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**Short Circuit Tests in UA23 – UA27**

- **AC (TS-EL):**
  - All the departures in the two zones are condemned.
  - Transformer in UA27 has been sent to the builder premises. Tomorrow will be inspected.
- **Cooling and Ventilation (TS-CV):**
  - Air distribution modification DONE
- **PIC (AB-CO):**
  - PIC cable to extended; cable number: 1205472
- **Energy extraction (AT-MEL):**
- **WIFI (IT-CS): -**

- **Convertisseurs (AB-PO):**
  - On W30 IST of RB converter will be finished on W31
- **Système MKI (AB-BT):-**

### **Short Circuit Tests in RR17-UJ16**

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- **AC (TS-EL):**
  - Deconsignation of the electrical departures of the two areas will be done Friday 20<sup>th</sup> with AB-PO
- **DC (TS-EL):**
  - **Cooled Cables (TS-EL):** Connected and tested W28
  - **Power Cables (TS-EL):** Connected W28
- **Cooling and Ventilation (TS-CV):**
  - Filter cleaning and Eletta regulation on Friday 20<sup>th</sup>
- **Control cables (TS-EL): -**
- **Contrôle (AB-CO): -**
- **PIC (AB-CO): -**
- **Energy extraction (AT-MEL):**
  - 13 kA IST: starting from Monday 23<sup>rd</sup>
  - 600 A IST: starting from Monday 23<sup>rd</sup>
- **WIFI (IT-CS): -**
- **Convertisseurs (AB-PO):**
  - From Monday 23<sup>rd</sup>: FGC configuration
  - Problem on the circuits of the rack RYLC01 in UJ16 : Normally in these rack only the position 1.1 should be used. In this case also in the position 1.2 cables are attached. Verification with TS-EL is needed.
- **Co-activities:**
  - Safety inspection with John on Monday at 9:00 in Point 1
  - Up to this Friday 20<sup>th</sup> TS-EL has a cabling campaign ongoing. The "mise sous tension" of Friday has been agreed with Baptiste L.: No current in the DC cables up to next week.



**Maria Paz/Boris**

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### **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.  |

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**Open Issues SCT in UJ33**

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20.04 Re-routing of the DC cables. - **DONE**  
20.04 24hr heat run NOT PASSED – **DONE**  
20.04 13kA in RA34 and 37 - **DONE**

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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**