

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

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**NEXT RAT meeting**  
**Thursday 09.08 at 14:00**  
**in CCC**



August 06-08-2007 08:30 in CCC

Present: Maria Paz Casas Lino, Alex Castaneda, Knud Dahlerup-Petersen,  
Hubert Gaillard, Gruwe Magali, David Nisbet, Jacques Toullieux.

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**Heat runs general schedule:**

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

**UA23:** 9<sup>th</sup> August 14:00 – 10<sup>th</sup> August 14:00 – **24hr heat run**

**UA23:** 13<sup>th</sup> August 9:00 **AUG**

**RR17-UJ16:** 15<sup>th</sup> August: 9:00-17:00 – **8hr heat run**

**RR17-UJ16:** 20<sup>th</sup> August 9:00 – 21<sup>th</sup> August 9:00 – **24hr heat run**

**RR17-UJ16:** 21<sup>st</sup> August 9:30 **AUG**

**Short Circuit Tests in RR17-UJ16**

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- **AC (TS-EL): -**
- **DC (TS-EL): -**
- **Cooling and Ventilation (TS-CV):**
  - Eletta regulation of the RR17 was foreseen for today morning at 9:00. (to be confirmed)
  - Water problem in UJ16 fixed
  - ~~Problem on the water circuit of the 6kA converters in RR17. The beginning of the reparation intervention is scheduled for tomorrow afternoon (31.07); the needed time for the intervention will be estimated tomorrow – at least 1.5 days. The intervention implies water cut for the whole RR17. DONE~~
- **PIC (AB-CO):**
  - Second PIC interface tests will be carried out on 8.08
- **Energy extraction (AT-MEL):**
  - Grounding of the DQR was foreseen to be done today 06.08 in the morning )to be confirmed)
- **WIFI (IT-CS): -**
- **Convertisseurs (AB-PO):**
  - ~~Powering test of the 600A~~ DONE
  - Tuesday 07.08: Powering of the 6kA of the DFBL
  - Installation of the 120A modules in RR17 this week
  - DFBX circuits on going.
- **24h heat run:**

- In the previous minutes the 24h heat run was foreseen for the 20<sup>th</sup> August at 17:00. It was pointed out during the meeting that it would be better to start it in the morning so that the 21<sup>st</sup> August we can also carry out the AUG test. Hubert will verify that there is not any problem preventing us to begin at 9:00.
- o **Co-activities:**
  - No Interconnection works are foreseen during the remained SCT.

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## Open Issues SCT in RR17-UJ16

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30.07          Minor prob. with a temp. prob of 13kA EE sys – **AT-MEL**




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## Short Circuit Tests in UA23 – UA27

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- o **Pre-test ok** – minor problem with the DQS
- o **8h Heat run (6<sup>th</sup> August):**
  - The test began at 9:50 for all circuits except RB.A12 which was added to the test around 10:30.
  - RB.A12 had some internal water problems at the beginning that were quickly solved.
  - It was not possible at the beginning of the test to give the PC permit by using the PIC SU. Alexandro gave the PC permit directly.
  - When starting the test for RB.A12, the current at Stand by state was over 800A (Configuration to be verified)
- o **24h Heat Run(9<sup>th</sup> August):**
  - It had been requested a TS/EL cabling campaign in the UA23 during the 7<sup>th</sup>, 8<sup>th</sup> and 9<sup>th</sup> August. This would imply to start the 24h heat run too late in the afternoon 9<sup>th</sup> August. It was agreed to start the heat run at 14:00 instead of 17:00. After the 8h run the power converters in UA23 will be locked until the beginning of the 24h heat run.
- o **AC (TS-EL):**
  - Transformer in UA27 is foreseen to arrive at CERN the 13rd August. It is foreseen to be operational after undergoing several tests, on week 35 or beginning week 36.
- o **Cooling and Ventilation (TS-CV):**
  - Air distribution modification DONE in both zones
- o **PIC (AB-CO):**
  - ~~PIC cable to extended; cable number: 1205472~~ DONE
- o **Energy extraction (AT-MEL):**
  - Communication problem with the DQS from the CCC during pre-test of the 8hr run

- WIFI (IT-CS): -
- Convertisseurs (AB-PO):
  - ~~IST of RB converter~~ ONGOING DONE
- Système MKI (AB-BT):-
- Balisage:
  - A flashing light lengthen had been removed and used to plug a vacuum pump with the consequent delay in the start of the 8h run 6<sup>th</sup> August and extra-work for Gerard Pastor. Hubert will contact the responsible person of the vacuum pump.

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### Open Issues SCT in UA23

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06.08            Next week the DQS 6kA cables are to be prepared.

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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 transformer 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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04.08            13kA: bad DC cabling of the water cooled cables in R37! **(TS-EL)** Knud pointed out it would be preferable to carry out the correction in the DFB side to avoid repeating the tests. Waiting for an answer from Baptiste

04.08            No fixed AC connection for the DQR racks – cables disconnected from the net to free the plug for other activities in the tunnel – not acceptable. **(TS-EL)** Jack will take care of the problem.

04.08            Eletta cabling in the tunnel side (both R34 and R37) to be checked **(TS-EL)**. Eletta calibration pending **(TS/CV)**

04.08            In two racks of 600A electronic filter to be changed – they have been broken during the re-routing of the cables. **TS/EL** is to remove the cables so that the replacement of the filters can be done. Waiting for an answer from Baptiste

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

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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**