

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



NEXT RAT meeting
Monday 03.09 at 08:30 in Point 2 – Alice Conf. Room



August 28-08-2007 14:00 in **in Point 1 – Bld. 3190-R-002**

Present: Esther Barbero, Boris Bellesia, Maria Paz Casas Lino, Alejandro Castaneda, Knud Dahlerup-Petersen, David Nisbet, Ivan Romera, Jacques Toullieux.

All teams involved in the SCT are invited to prepare a list of open issues sorted by underground areas to be followed if not reported in the list below.

General schedule:

UA27: 4th September 9:00 – 5th September 9:00 **24hr heat run**

UA23-UA27: 5th September 9:30 **AUG**

Open Issues RR17-UJ16

- **DC (TS-EL):** -
 - Interlock cables for DC_CABLE_WATER are inversed in the circuit RQ10, RQ8 and RQ6 in RR17. A date for the intervention is still to be fixed.
- **EE sys:**
 - Minor prob. with a temp. prob of 13kA EE sys – **AT-MEL**
- **Co-activities:**
 - The squeezing test in RQ10 is to take place on Wednesday 29.08 from 11:30 to 13:00. During this time it has been agreed with installation that no activities will take place close to the HCM of the DFBAB. Done



Open Issues UA23

- **AC (TS-EL):**
 - Works on the transformer in UA27 as foreseen. It is expected to have the transformer ready for at the end of week 35.
- **Cooling and Ventilation (TS-CV):**-
 - Demineralized water temperature during the heat run was lower than usual.
- **Convertisseurs (AB-PO):** -

- The squeezing test in UA27 will take place either during the heat run or just after the AUG the 5th September.



Open Issues UA27

- **AC (TS-EL):**
 - 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.
 - 06.06 Electrical departures EBD in UA27 – 67 and 47 to be tested by TS-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.



Open Issues UJ33

- 04.08 13kA: bad DC cabling of the water cooled cables in R37! (**TS-EL**). The correction will be done in the DFB side to avoid repeating the tests. Waiting for a date of intervention 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 In two EE racks of 600A electronic filter to be changed – **TS/EL** will remove the cable to let **AT/MEL** replace the filters on w38
- 20.07 The DC cables of the converter RPMBB.UJ33.RSS.A23B1 are closed to the current leads of the circuit RSS.A23B2 and vice versa. TS-EL will invert the two circuits at the PC side on w38.

PIC general view: Open Issues

- UA67
 - 1605210 & 1605211 : these cables do not reach the converter and have to be **extended at the power converter side**. (RSF2.A67B1 and RSF2.A67B2)
- UA87 (not recently verified - maybe the corrections are already done)
 - Cable number: 1809776
Cable Description: CIPCM.R8#C-PC.RC BYHS5.R8B1+B2+VS5.R8B1+B2
Location 1: CYCIP02=UA87
Location 2: RYLB03=UA87
Remarks: **Isolation damaged at cable end, connector to be re-done**
 - Cable number: 1821114
Cable Description: CIPCA.R8#B2-DQQDG.(RQ8+RQ9).R8B1&B2
Location 1: CYCIP03=UA87
Location 2: DYPG08=UA87
Remarks: **Wrong connector. Should be a 12 pin-connector instead of a 8 pin-connector**

- RR13 (not recently verified - maybe the corrections are already done)
 - o Cable number: 1106240
Cable Description: CIPCA.L1#B2-PC.RQ8.L1B1&RQ8.L1B2
Location 1: CYCIP01=RR13
Location 2: RQ8.L1B1=RR13
Remarks: Wrong connector. Should be a 12 pin-connector instead of a 8 pin-connector
 - o 1118453 & 1118454: Missing profibus connector. Place 90 degrees connectors at the UJ14 side and straight connectors at the RR13.

TS-CV general view: Open Issues

- UA63-UA67 / UA43-UA47 / UA83-UA87
 - o Ventilation duct modification in agreement with AT-MEL for a better ventilation of the 600A EE rack.