RAT Réunion Avancement Travaux

HARDWARE COMMISSIONING COORDINATION

February 22, 2007, 8:30 in CCC

PREPARATION SCT in RR73 and UJ76

TODAY – 23.02 – 8hr run

- AC:
  - Ready for the power consumption measurements at 3.00 pm.

- DC cables:
  - During 8hr run thermo-verification of the cable connection of PC-power cables will be done and hot spots identified.

- Power converters:
  - 600A converters in UJ76 to be finished today DONE
  - Non-conformity discovered in the water cooling circuits: the filter is positioned at the exit of the PC. PC are not protected. Opening of a NC. Mirko will inform TS-CV
  - Polarity checks will be performed today (22.02) only in RR73 DONE

- PIC and CCC:
  - CCC: Preparation of the 8hr run – Sequencer preparation and verification of the SET of the DAY: OK
  - Today (23.02) 8hr run

- Cooling and Ventilation:
  - Eletta position to be changed to allow the water circuit valve opening: DONE

- WIFI: -

- WorldFIP: -

- Energy Extraction:
  - Hardware problem on one 600A switch. Solved
  - General positioning problem of the water cooled cables of the EE in odd points. A nc report will be available in the next days. Btw in point 7, due to the fact that in point 6 the two beams do not cross, the position of the water cooled cables of the EE is correct – from DFBAM (such as in DFBAF in point3) the chimney from with the current flows out is DFBAM.7L7.2 (instead of xxx.1).
ACCESS Information:

- Access free to UJ76 and RR73. Access to the LSSR7 and RR77 ONLY with LHCCOOL CARD.

Open Issues

22.02 Polarity tests do not include the warm-magnets cables
22.02 Verification of the EE water cooled cables of the odd points
22.02 Wrong filter position in the PC cooling circuits
08.02 Temporary WIFI cable to be replaced by TS/EL – IT/DI

Heat Runs and Test Schedule

- 07.02 Water circuit filters cleaning in RR73
- 12.02 ERD1 powering, FGCs configuration and first tests in RR73
- 13.02 120A (RR73) powering tests
- 14.02 600A (RR73) powering tests
- 14.02 Full power ventilation test
- 15.02 600A-EE interlock and powering tests
- 15.02 600A-EE interlock tests
- 20.02 600A (UJ76) powering tests
- 21.02 Water circuit filters cleaning in UJ76
- 22.02 Polarity tests
- 23.02 8h heat run in RR73 and UJ76
- 26.02 PIC interface test
- 26.02 Water circuit filters cleaning in RR73/UJ76
- 27.02 CCC test for 24h run
- 28.02 24h heat run test
- 28.02 Electrical services-I_nom-I_max
- 28.02 EE-QPS test at I_max
- 01.03 AUG&UPS.

Closed Issues

- 08.02 13kA-2000 mm²-water cooled cables reversed
- 14.02 Eletta in RR73 must be repositioned
- 16.02 Water flow in UJ76 affected the PPT. STOPPED.
- 16.02 WiFi not available in UJ76.
- 14.02 AB-PO software updating on 600A conv.
- 14.02 2 control cables of the DQS too short
- 12.02 LEM reversed: cables to be tightened
- 08.02 Fire detection system completed. Reception to be done

Feb. Monady 26
RAT meeting
9:00 in Point 7

Boris&Mirko
### Open Issues SCT in UA67 and UJ67

<table>
<thead>
<tr>
<th>Date</th>
<th>Issue Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>13.02</td>
<td>Report on the AUG</td>
</tr>
<tr>
<td>12.02</td>
<td>PM generated but stacked in local</td>
</tr>
<tr>
<td>12.02</td>
<td>Few labels missing for cables identification</td>
</tr>
<tr>
<td>05.02</td>
<td>Little ducts between UA and RA not closed during the 24hr</td>
</tr>
<tr>
<td>02.02</td>
<td>RSF2.A67B1 and RSF2.A67B2 PIC cables to extend</td>
</tr>
<tr>
<td>02.02</td>
<td>NC opening on the bad connection of the “plages” on the 6kA racks</td>
</tr>
<tr>
<td>08.01</td>
<td>EE fan rotation problem – all ring</td>
</tr>
</tbody>
</table>