**RAT** Réunion Avancement Travaux

HARDWARE COMMISSIONING COORDINATION

December 6, 2006, 8:30 in CCC

Present: Carlos Castillo Trello, Julien Kis, Robin Lauckner, Jean-Pierre Malod-Dognin, David Nisbet, Edward Nowak, Mirko Pojer, Aleksander Skala, Jacques Toullieux.

**ECR on “Inversion of Power Converter notation B1 and B2 for RQ4-RQ10” (EDMS No. 804188)**

The ECR was applied on the RQ converters in RR57 (see attached summary of changes) with the exception of the converter identification labels: temporary converter id. labels were put in place while the final labels are produced.

**SCT in RR57 and UJ56**

The 8h heat run test has been started around 9.15 with no major problems. Before giving the green light for the test, people from Cooling and Ventilation have been informed of the test campaign and TS/CSE has confirmed that the Fire Detection System is working properly, even if the certification will be issued after few more tests to be performed on Thursday, 7.

**Open Issues**

22.11 Fire detection – awaiting certification
01.12 Short cables on 13 kA EE to be changed later on (temporary solution in place)

**Heat Runs and Test Schedule**

01.12 Squeeze test DONE (all the power converters involved have been tested)
06.12 8-h heat run
07.12 Fire detection test
08.12 Full power ventilation tests in RR57 – from 8:30 till 12:00
11.12 10am: 24-h heat run
12.12 UPS test.
13.12 Electric cut (AUG simulation).
13.12 Polarity Test
14.12 13kA energy extraction test.
Closed Issues

<table>
<thead>
<tr>
<th>Date</th>
<th>Task Description</th>
<th>Date</th>
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<tbody>
<tr>
<td>13.11</td>
<td>Elettas Installation. Done</td>
<td>15.11</td>
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<td>13.11</td>
<td>Detailed schedule SCT. Ready.</td>
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<tr>
<td>13.11</td>
<td>Fire Detection in the area. Ok.</td>
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<td>13.11</td>
<td>13kA EE shielding.</td>
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<td>13.11</td>
<td>Calibration rack connection</td>
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<td>13.11</td>
<td>Elettas test. Done</td>
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<td>13.11</td>
<td>High Voltage tests with and without water RR57</td>
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<td>19.11</td>
<td>Eletta tests RR57</td>
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<td>13.11</td>
<td>Balisage</td>
<td>22.11</td>
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<td>22.11</td>
<td>Wi-Fi damaged cable has to be repaired</td>
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<tr>
<td>13.11</td>
<td>Ventilation in UJ56</td>
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<td>22.11</td>
<td>DQS acousting shielding and cabling</td>
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<td>Cables inversion on rack RYMCA04</td>
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<td>Problem with water conductivity in DQS</td>
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<td>DC cables high voltage test</td>
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<td>Test de circulation ED (waiting UJ56)</td>
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<td>29.11</td>
<td>WIFI problems</td>
<td>01.12</td>
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<td>29.11</td>
<td>ELETTAS threshold setup</td>
<td>01.12</td>
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<td>23.11</td>
<td>Ripples in RQT12R5B1 power converter.</td>
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</table>

Dry-Run in UA83 and RR77

CV informs that operations in UA83 needed for the Powering Procedure Test (dry-run) have already been started (some flexibles have to be connected and filters checked). It is important to know that water can circulate in the area apart the water-cooled cables, where operations are on going.

Proposal of Short Circuit test inversion between RR73/UJ76 and UA67/UJ67

The inversion of the point is confirmed. Test will start on second week of January (first working week!).

Next RAT meeting,
Thursday December 7
8:30 in CCC.

Mirko
# ANNEX 1 _ Changes in power converter notation, in agreement with the Engineering Change Request (EDMS No. 804188)

<table>
<thead>
<tr>
<th>OBJECT_ID</th>
<th>OLD PC NAME</th>
<th>RACK LOCATION</th>
<th>NEW PC NAME</th>
<th>OLD ERD</th>
<th>NEW ERD</th>
<th>OLD UPS</th>
<th>NEW UPS</th>
<th>PIC CABLE</th>
<th>EOD LABELS OK</th>
<th>ERD LABELS OK</th>
<th>FINAL PC LABEL OK</th>
<th>OLD FIP ADDRESS</th>
<th>NEW FIP ADDRESS</th>
<th>DC EARTH CHECKED</th>
<th>INTERLOCK CABLE INVERSED</th>
<th>CONVERTER POSITION (U = UPPER, L = LOWER)</th>
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|---------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|
| RPHH    | 2        |          |          |          |          |          |          |          |          |          |          |          |
| RPHGA   | 4        |          |          |          |          |          |          |          |          |          |          |          |
| RPHGB   | 2        |          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |