

RAT Réunion Avancement Travaux **SCT** in **UJ33**

HARDWARE COMMISSIONING COORDINATION

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NEXT RAT meeting
Wednesday 21.03
8:30 in CCC
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March 19th, 2007, 8:30 in CCC

Present: Matteo Solfaroli, Boris Bellesia, Knud Dahlerup-Petersen, Claude Dehavay, Jacques Toullieux, Jean-Pierre Malod-Dognin, Delphine Jacquet.

Boris Bellesia will be on holiday from today up to Thursday morning. Every issue should be addressed to Matteo Solfaroli (160611) or Blanca Perea (165098).

SCT in UJ33

- AC:
 - ~~Yesterday a power distribution problem with the DQS system occurred and solved. DONE~~
- DC cables:
 - During the morning (Monday 19.03) *temperature sensors* are been positioned in the ducts for the heat runs. The powering of the cables has to be stopped. This operation will take 2 hours.
 - *Re-cabling* of the DQS zone – RA38 – will start today.
 - WorldFip cable in 600A EE racks to be replaced (see WorldFip paragraph).
- Power converters:
 - All the Power Converters of the DFBL have been tested and the works on the PC of the DFBA will start this morning.
 - List of the converters that have the "**green light**" to be tested this week are the following (the short circuits of the cables starting from these converters end over the place of the DFBA):

PC NAME	RACK NAME
DFBAE - 600A w/o EE	
RPMBA.UJ33.RQTL7.L3B2	RYMCA02
RPMBA.UJ33.RQTL7.L3B1	RYMCA02
RPMBA.UJ33.RQTL8.L3B2	RYMCA03
RPMBA.UJ33.RQTL8.L3B1	RYMCA03
RPMBA.UJ33.RQTL10.L3B2	RYMCA04
RPMBA.UJ33.RQTL10.L3B1	RYMCA04
RPMBA.UJ33.RQTL11.L3B2	RYMCA05
RPMBA.UJ33.RQTL11.L3B1	RYMCA05
RPMBA.UJ33.RQT12.L3B2	RYMCA06
RPMBA.UJ33.RQT12.L3B1	RYMCA06
RPMBA.UJ33.RQT13.L3B2	RYMCA07
RPMBA.UJ33.RQT13.L3B1	RYMCA07
RPMBA.UJ33.RQS.L3B2	RYMCA01
600A DFBAE w EE	
RPMBA.UJ33.RQS.A23B1	RYMCA01
RPMBB.UJ33.RSS.A23B2	RYMCA01
RPMBB.UJ33.RSS.A23B1	RYMCA01
RPMBB.UJ33.ROD.A23B2	RYMCA02
RPMBB.UJ33.ROD.A23B1	RYMCA02
RPMBB.UJ33.ROF.A23B2	RYMCA03
RPMBB.UJ33.ROF.A23B1	RYMCA03
RPMBB.UJ33.RQTL9.L3B2	RYMCA04
RPMBB.UJ33.RQTL9.L3B1	RYMCA04

- Cooling and Ventilation: -
- WIFI: -
- WorldFIP:
 - C.Dehavay reported that he evaluated with Knud the possibility to change the worldFip cable that cross the racks the 600A EE internally (they are at least 3). This operation should be performed by TS/EL before the 8h run foreseen on 4th April.
- Energy Extraction:
 - ~~600A EE IST: on going the second set (DFBAE).~~ DONE
 - 600A Interlock tests have been completed on Friday.
 - Knud requested to re-fix the cables of the 13kA EE System in RA38. Batiste confirmed later that the contractor will start Monday 19th March. The works should last for 4 days. The cabling of the system in RA32 are ok – no further interventions needed.

- ~~The functional tests of the 13kA EE System in RA34 are finished – no problems encountered. DONE~~
 - The set up for the electro-Magnetic compatibility (13kA EE sys – rest of the equipments working in the tunnel) test will be performed and this test will be performed on 2nd of April.
 - 13kA EE sys Interlock test will be performed after the 24hr run (after the 10.04). To power the DQS the two possible solutions are:
 - ◆ Bring to the DQS zone a portable converter – original proposal
 - ◆ Extend the cables of the 2 circuits arriving on the DFBL up to the DQS: more than 40m of extension for each cable are needed.
 - Further discussions will follow – Jean-Claude/Knud/David.
- Balisage:
- Visualization of the short circuit for the DFBA circuits has been put in place.
 - Balisage for the 120A is already done.
 - ~~For Monday (19.03) balisage needed on the DFBAE. DONE~~
- Installation:
- The installation team (Huber) will attend the first RAT meeting every week to inform about the activities:
 - Warm magnets are being transported and placed in the tunnel during this week (w11).
 - Works on the DSL line (leak tests & connection)
 - Next week (Friday 23.03): DFBL installation in UJ33
 - Installation of the ventilation door in UJ33 should be carried w13. To be confirmed by Hubert.
- AOB:
- The DFBL will be installed on Friday 23th of March in the UJ33. The arrival is supposed to be at 4pm. No current should be in the tunnel.

Open Issues

15.03	Too short WorldFip cables in 600A EE sys racks
15.03	Connection of the 13kA switches to power
13.03	Re-fixing of the cables of the 13kA EE System in RA38
13.03	Temperature sensors positioning in the ducts for the heat runs
08.03	13kA water cooled cables to be installed
08.03	Definition of the powering strategy for the heat runs

Closed Issues

13.03	WorldFip QPS segments to be validated	15.03
08.03	Powering of the PIC racks (CYCIP01 - CYCIP02)	13.03
08.03	PIC system IP address verification	13.03
08.03	Grounding missing (DQR, DJRB box, Roese Station)	13.03
08.03	Missing cable: link between Roese Station and CCC	13.03
08.03	Cable 48 wires to be replaced on the DJPC	13.03

Boris/Blanca/Matteo



Open Issues SCT in RR73 and UJ76

01.03	Leakage in the two water cooled cables in RR73 (Baptiste)
01.03	Disconnections of the cables from the EE in RR73 (Baptiste)
01.03	AU unexpected during 24hr run. TS-EL investigating
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

Open Issues SCT in UA67 and UJ67

13.02	Report on the AUG
12.02	PM generated but stacked in local
12.02	Few labels missing for cables identification
05.02	Little ducts between UA and RA not closed during the 24hr
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