

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

HARDWARE COMMISSIONING COORDINATION

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NEXT RAT meeting
Monday 19.03
8:30 in CCC
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March 15, 2007, 8:30 in CCC

Present: Boris Bellesia, Knud Dahlerup-Petersen, Claude Dehavay, Magali Gruwe, Jean-Claude Guillaume, David Nisbet, Blanca Perea Solano, Laurette Ponce, Matteo Solfaroli, Jacques Toullieux.

SCT in UJ33

- AC:
 - Yesterday a power distribution problem with the DQS system occurred and solved.
- DC cables:
 - Starting from Monday 19.03 *temperature sensors* will be positioned in the ducts for the heat runs. This activity has to be stopped from the 20.03 to 28.03 due to powering planning.
 - *Re-cabling* of the DQS zone – RA38 – will begin on Monday 19.03.
- Power converters:
 - 6/13 PC w/o EE have been tested.
 - List of the converters that have the “**green light**” to be tested tomorrow (16.03) and Monday (19.03) are the following (the short circuits of the cables starting from these converters end over the place of the DFBL):

PC NAME	RACK NAME	I RATED [A]
DFBLC - 600A w/o EE		
RPMBA.UJ33.RQS.R3B1	RYMCA08	600
RPMBA.UJ33.RQTL7.R3B2	RYMCA09	600
RPMBA.UJ33.RQTL7.R3B1	RYMCA09	600
RPMBA.UJ33.RQTL8.R3B2	RYMCA10	600
RPMBA.UJ33.RQTL8.R3B1	RYMCA10	600
RPMBA.UJ33.RQTL10.R3B2	RYMCA11	600
RPMBA.UJ33.RQTL10.R3B1	RYMCA11	600
RPMBA.UJ33.RQTL11.R3B2	RYMCA12	600
RPMBA.UJ33.RQTL11.R3B1	RYMCA12	600

RPMBA.UJ33.RQT12.R3B2	RYMCA13	600
RPMBA.UJ33.RQT12.R3B1	RYMCA13	600
RPMBA.UJ33.RQT13.R3B2	RYMCA14	600
RPMBA.UJ33.RQT13.R3B1	RYMCA14	600
600A DFBLC w EE		
RPMBA.UJ33.RQS.A34B2	RYMCA08	600
RPMBB.UJ33.RSS.A34B2	RYMCB05	600
RPMBB.UJ33.RSS.A34B1	RYMCB05	600
RPMBB.UJ33.ROD.A34B2	RYMCB06	600
RPMBB.UJ33.ROD.A34B1	RYMCB06	600
RPMBB.UJ33.ROF.A34B2	RYMCB07	600
RPMBB.UJ33.ROF.A34B1	RYMCB07	600
RPMBB.UJ33.RQTL9.R3B2	RYMCB09	600
RPMBB.UJ33.RQTL9.R3B1	RYMCB09	600

- PIC and CCC:
 - ~~Alejandro confirmed that everything is fine for the PIC: the racks (CYCIP01=UJ33 and CYCIP02=UJ33) have been powered and the IP address verified by Pat. DONE~~
- Cooling and Ventilation: -
- WIFI: -
- WorldFIP:
 - ~~QPS segments still remain to be validated. DONE~~
- Energy Extraction:
 - ~~Lem protection in place DONE~~
 - 600A EE IST: on going the second set (DFBAE).
 - 600A Interlock tests started yesterday; today to be the last 6 systems should be tested. Knud pointed out that some of the 600A EE system could be possibly re-tested in the next weeks. These interventions must be announced at least half day before in order to visualize properly the zone concerned.
 - 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 almost finished – no problems encountered.
 - Knud reported that, in some of the 600A EE racks the WorldFip cables are too short and the cross the rack internally. (Action Jean-Claude in the coming weeks)
 - A Electro-Magnetic compatibility (13kA EE sys – rest of the equipments working in the tunnel) test will be performed in the coming weeks.

- 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 DFBL and DFBL circuits have been put in place.
 - For Monday (19.03) balisage needed on the DFBAE.
- 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:
 - Machine Profile for the heat runs:
 - Jean-Claude has provided the table for the machine profile in UJ33. The table contains only the thermal load under the floor of the connection between the UP33 and the RA32. More details have to be added.
 - **Exceptionally** today (15.03) powering interlock test for the six system of 600A EE on RQ6.L3B1(B2) - RQ6.R3B1(B2) – RQTL9.L3B1(B2) are allowed.

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
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