

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

HARDWARE COMMISSIONING COORDINATION

◆ ◆ ◆
NEXT RAT meeting
Thursday 29.03
8:30 in CCC
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March 21st, 2007, 8:30 in CCC

Present: Boris Bellesia, Alejandro Castaneda, Claude Dehavay, Remy Grimand, Matteo Solfaroli, Jacques Toullieux.

SCT in UJ33

➤ HEAT RUNS:

- Jean Claude Guillaume has provided the table of the *facteur de utilisation* – attached excel file - of the cables to be used for the heat runs:
 - Two 8hr runs will be performed (2nd and 3rd of April) to have a good evaluation of the heat up of the UJ-UP33 before the 24hr run – Next week a detailed procedure will be given.
 - During the heat runs, Baptiste will check the cable temperature each 30min.
 - The 24hr run is foreseen for the week15 the 10.04.

➤ AC: -

➤ DC cables:

- ~~WorldFip cable in 600A EE racks will be replaced this afternoon (see WorldFip paragraph).~~ DONE
- A cable installation is foreseen in the tunnel for week 14th. On 28th of March Jean Claude and Emmanuel Paulat will be in the tunnel in order to evaluate the situation. A person from HCC is required.
- Jean Claude informed that the 13kA water cooled cables will be available from week 16th in the right part and from week 17th in the left one. Knud pointed out that it means a delay of 2 or 3 weeks.

➤ Power converters:

- Polarity check will start from Thursday (29.03)

- PIC and CCC:
 - Interface test will be performed by the PIC team on Tuesday (26-27.03)
 - CCC tests
- Cooling and Ventilation:
 - Validation of the system will be performed tomorrow (27.03) and during the morning of the 28.03.
- WIFI: -
- WorldFIP:
 - WorldFip cables which had to be corrected in the QPS racks have been validated.
- Energy Extraction:
 - Verification of the interface among QPS WorldFip and 600A EE systems – today 26.03.
 - The equipment for the electro-Magnetic compatibility. The set up will be next week; in this case the tunnel (up to R37) should be closed for 1 hour. The test will be performed on Monday 2nd of April.
 - 13kA EE sys Interlock test will be performed after the 24hr run (after the 10.04). To power the DQS the possible solutions are:
 - ◆ Bring to the DQS zone one portable converter, in this case only 2000A could be reached;
 - ◆ Bring to the DQS zone two portable converters (Knud has one and David Nisbet the other one), in this case 4000A could be reached;
 - ◆ Extend the cables of the near circuits. Cables of two circuits can be extended from the DFBM (meaning about 40 m) but the other four cables should be extended for about 120m. Jean Claude pointed out that this solution is probably too complicated and too expensive.
 - From J.C. Guillaume:
 - Les distances entre la DFBAF et les aimants/DFBM sont les suivantes:
 - 1) DFBD: 60m
 - 2) MCBWV5: 150m
 - 3) RQT5.R3: 140m
 - La section utilisée est de 1x240mm². Sans le coût du câbles, on arrive à 12KCHF (pause et dépause). Le coût évoluera selon le type de câble réellement installé.

- Nous n'avons pas ce type de câble récupéré en stock.
- Balisage: -
- Installation:
 - Works on the DSL line (leak tests & connection)
 - Installation of the ventilation door in UJ33 should be carried out w13. This issue will be confirmed by Hubert.
- A.O.B.:
 - Friday 23.03 the PIC team went to UA67 to verify the PIC and discovered that the cables coming to the converters RSF2.A67B1 and RSF2.A67B2 are still without extension.

Open Issues

21.03	Mag. Interference test (13kA EE) - 02.04 – Access restriction
15.03	Connection of the 13kA switches to power
08.03	13kA water cooled cables to be installed in W16
08.03	Definition of the powering strategy for the heat runs

Closed Issues

15.03	Too short WorldFip cables in 600A EE sys racks	21.03
13.03	Re-fixing of the cables of the 13kA EE System in RA38	19.03
13.03	Temperature sensors positioning for the heat runs	19.03
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