

## **RAT** Réunion Avancement Travaux

### HARDWARE COMMISSIONING COORDINATION

February 20, 2007, 8:30 at Point 7

Present: Pal Anderssen, Boris Bellesia, Knud Dahlerup-Peterse, Jean-Pierre Malod-Dognin, David Nisbet, Lasse Normann, Mirko Pojer, Jacques Toullieux

### **PREPARATION SCT in RR73 and UJ76**

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- ACCESS Information:
  - Access free to UJ76 and RR73.
  - Access to the LSSR7 and RR77 ONLY with LHCCOOL CARD.
- AC: -
- DC cables
  - ~~UJ76 cabling: finished for Today (16.02).~~
  - INEO will work in the RA73 – cabling work.
- Power converters:
  - ~~On 600A converters a software update must be implemented.~~  
DONE
  - 600A with EE powering started yesterday (19.01) – 2 days.
  - 600A converters in UJ76 are going to be powered this afternoon (20.02)
  - Polarity checks will be performed Thursday (22.02) in both areas.
- PIC and CCC:
- Cooling and Ventilation:
  - Today afternoon (20.02) water circulation in UJ76
  - Eletta position to be changed to allow the water circuit valve opening
- WIFI:
  - The WIFI connection in UJ76 will be available by Monday morning (19.01)
  - A definitive WiFi Connection in RR73 will be installed in the next months
- WorldFIP:
  - Due to access restrictions from point 6 to the working area, delays have been accumulated; schedule:

- ~~QPS segments: ready Friday 9 at 12:00 AM. Connections for system qualification already in place. Qualification to be done by Friday (16.02) to start the test on Monday (19.02).DONE~~

➤ Energy Extraction:

- 13kA EE IST accumulated few days of delay due to the too short monitoring cables,
- 600A EE IST on going, ready for next week – Monday (19.02)
- Eletta in RR73 is obstructing the opening of a valve of the water circuit. Eletta must be repositioned. (Action TS-CV, Frank advised)
- ~~Two controller cables of the DQS must be replaced because too short. (Action TS-EL today – 16.02) DONE~~
- The 2 inverted 13kA-2000 mm<sup>2</sup>-water cooled cables have been discovered. (Action TS-EL, Baptiste advised)
- Thursday the Temperature sensors of the EE will be installed

➤ Fire detection:

- ~~System working; the reception is planned for this morning DONE.~~

➤ Cleaning: ~~today (02.02) in RR73; Friday (19.02) in UJ76~~

➤ AOB:

- It has been decided to perform the 8hr run of both zones RR73 and UJ76at the same time on Friday 23.02.
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### Open Issues

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14.02	Eletta in RR73 must be repositioned
08.02	Temporary WIFI cable to be replaced by TS/EL
08.02	13kA-2000 mm <sup>2</sup> -water cooled cables reversed in the tunnel



### Heat Runs and Test Schedule

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07.02	<del>Water circuit filters cleaning in RR73</del>
12.02	<del>ERD1 powering, FGCs configuration and first tests in RR73</del>
13.02	<del>120A (RR73) powering tests</del>
14.02	<del>600A (RR73) powering tests</del>
14.02	<del>Full power ventilation test</del>
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

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
01.03	Electrical services-Inom-Imax
01.03	EE-QPS test at Imax
01.03	AUG&UPS.
05.03	Polarity test

### **Closed Issues**

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16.02	Water flow in UJ76 affected the PPT. STOPPED.	20.02
16.02	WiFi not available in UJ76.	20.02
14.02	AB-PO software updating on 600A conv.	20.02
14.02	2 control cables of the DQS too short	19.02
12.02	LEM reversed: cables to be tightened	16.02
08.02	Fire detection system completed. Reception to be done	16.02

**Tuesday Thursday 22**  
**RAT meeting**  
**8:30 in CCC**

**Boris&Mirko**

### **Open Issues SCT in UA67 and UJ67**

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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 on the 6kA racks
08.01	EE fan rotation problem – all ring