

## **RAT** Réunion Avancement Travaux

### HARDWARE COMMISSIONING COORDINATION

February 12, 2007, 8:30 at Point 7

Present: Boris Bellesia, Alejandro Castañeda, Knud Dahlerup-Petersen, Baptiste Lebeau, Jean-Pierre Malod-Dognin, David Nisbet, Ivan Romera, 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:
  - ~~ERD1 transformer in RR73: already 'sous tension'; equipments will be connected today (12.02).~~ DONE
- DC cables
  - UJ76 cabling: finished for Friday.
  - ~~In RR73 a LEM (600 A) was reversed; the change has already been done, but the cables have to be tightened.~~ DONE
  - Jean-Calude asked if the 8hr runs of RR73 and UJ76 could be done at the same time due to personnel problems.
- Power converters:
  - IST on 120A and 600A w/o EE done.
  - On 600A converters a software update must be implemented
  - Friday (16.02) "mise sus tension" UJ76
  - The 600A modules will be put in place on Today (14.02) morning and ready to be test in the afternoon.
- PIC and CCC:
  - PIC interface test in RR77. LHCCOOL card must be requested in point 8, cryo-control room.
- Cooling and Ventilation:
  - Today (14.02): Full power ventilation test
  - Today (14.02): Elettas calibration in collaboration with TS/EL.
  - Friday (16.02): 2<sup>nd</sup> water cooling circuit filter check – UJ76.
- WIFI:
  - Temporary Installation in place (08.02). TS-EL must cable the zone.

- 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).
- Energy Extraction:
  - 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, Baptiste advised)
  - The 2 13kA-2000 mm<sup>2</sup>-water cooled cables have been discovered inverted. A re-positioning has to be done by TS/EL. (Action TS-EL, Baptiste advised)
  - Knud will inform tomorrow HC (15.02) when 600A EE tests will be completed in order to let AB-PO start with their tests.
- Fire detection:
  - System working; the reception is planned for this morning (14.02).
- Cleaning: ~~today (02.02) in RR73~~; Friday (19.02) in UJ76
- Balisage: ~~it will be put in place today~~ DONE
- AOB:
  - ODH installation in UJ76 has been checked, while the one in RR73 will continue in the next days (transparent for the other activities).

## Open Issues

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14.02	AB-PO software updating on 600A conv.
14.02	2 control cables of the DQS too short
14.02	Eletta in RR73 must be repositioned
12.02	LEM reversed: cables to be tightened
08.02	Fire detection system completed. Reception to be done
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	600A (RR73) powering tests
14.02	Full power ventilation test
15.02	600A-EE interlock and powering tests
15.02	600A-EE interlock tests
16.02	Water circuit filters cleaning in UJ76
19.02	8h heat run for 120A&600A in RR73
20.02	600A (UJ76) powering tests
23.02	8h heat run for 600A in 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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**Friday February 16  
RAT meeting  
8:30 at Point 7**

**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