

RAT Réunion Avancement Travaux

HARDWARE COMMISSIONING COORDINATION

December 6, 2006, 8:30 in CCC

Present: Carlos Castillo Trello, Julien Kis, Robin Lauckner, Jean-Pierre Malod-Dognin, David Nisbet, Edward Nowak, Mirko Pojer, Aleksander Skala, Jacques Toullieux.

ECR on "Inversion of Power Converter notation B1 and B2 for RQ4-RQ10" (EDMS No. 804188)

The ECR was applied on the RQ converters in RR57 (see attached summary of changes) with the exception of the converter identification labels: temporary converter id. labels were put in place while the final labels are produced.

SCT in RR57 and UJ56

The 8h heat run test has been started around 9.15 with no major problems.

Before giving the green light for the test, people from Cooling and Ventilation have been informed of the test campaign and TS/CSE has confirmed that the Fire Detection System is working properly, even if the certification will be issued after few more tests to be performed on Thursday, 7.

Open Issues

22.11	Fire detection – awaiting certification
01.12	Short cables on 13 kA EE to be changed later on (temporary solution in place)

Heat Runs and Test Schedule

01.12	Squeeze test DONE (all the power converters involved have been tested)
06.12	8-h heat run
07.12	Fire detection test
08.12	Full power ventilation tests in RR57 – from 8:30 till 12:00
11.12	10am: 24-h heat run
12.12	UPS test.
13.12	Electric cut (AUG simulation).
13.12	Polarity Test
14.12	13kA energy extraction test.

Closed Issues

13.11	Elettas Installation. Done	15.11
13.11	Detailed schedule SCT. Ready.	15.11
13.11	Fire Detection in the area. Ok.	15.11
13.11	13kA EE shielding.	16.11
13.11	Calibration rack connection	20.11
13.11	Elettas test. Done	20.11
13.11	High Voltage tests with and without water RR57	22.11
19.11	Eletta tests RR57	22.11
13.11	Balisage	22.11
22.11	Wi-Fi damaged cable has to be repaired	27.11
13.11	Ventilation in UJ56	27.11
22.11	DQS acousting shielding and cabling	27.11
23.11	Cables inversion on rack RYMCA04	29.11
20.11	Problem with water conductivity in DQS	29.11
13.11	DC cables high voltage test	29.11
13.11	Test de circulation ED (waiting UJ56)	29.11
29.11	WIFI problems	01.12
29.11	ELETTAS threshold setup	01.12
23.11	Ripples in RQT12R5B1 power converter.	05.12



Dry-Run in UA83 and RR77

CV informs that operations in UA83 needed for the Powering Procedure Test (dry-run) have already been started (some flexibles have to be connected and filters checked). It is important to know that water can circulate in the area apart the water-cooled cables, where operations are on going.



Proposal of Short Circuit test inversion between RR73/UJ76 and UA67/UJ67

The inversion of the point is confirmed. Test will start on second week of January (first working week!).



**Next RAT meeting,
Thursday December 7
8:30 in CCC.**

Mirko

ANNEX 1 _ Changes in power converter notation, in agreement with the Engineering Change Request (EDMS No. 804188)

OBJECT_ID	OLD PC NAME		RACK LOCATION	NEW PC NAME	OLD ERD	NEW ERD	OLD UPS	NEW UPS	PIC CABLE	EOD LABELS OK	ERD LABELS OK	FINAL PC LABEL OK	OLD FIP ADDRESS	NEW FIP ADDRESS	DC EARTH CHECKED	INTERLOCK CABLE INVERSED	CONVERTER POSITION (U = UPPER, L = LOWER)	REMOTE RESET OK
321110	<u>RPHGA.RR57.RQ7.R5B1</u>	<u>RPHGA</u>	RR57	<u>RPHGA.RR57.RQ7.R5B2</u>	106	107	105	105	OK	OK	OK		13	6	OK	OK	L	OK
321111	<u>RPHGA.RR57.RQ7.R5B2</u>	<u>RPHGA</u>	RR57	<u>RPHGA.RR57.RQ7.R5B1</u>	107	106	105	105	OK	OK	OK		6	13	OK	OK	U	OK
321156	<u>RPHGA.RR57.RQ9.R5B1</u>	<u>RPHGA</u>	RR57	<u>RPHGA.RR57.RQ9.R5B2</u>	110	111	105	105	OK	OK	OK		15	8	OK	OK	L	OK
321157	<u>RPHGA.RR57.RQ9.R5B2</u>	<u>RPHGA</u>	RR57	<u>RPHGA.RR57.RQ9.R5B1</u>	111	110	105	105	OK	OK	OK		8	15	OK	OK	U	OK
321077	<u>RPHGB.RR57.RQ5.R5B1</u>	<u>RPHGB</u>	RR57	<u>RPHGB.RR57.RQ5.R5B2</u>	103	102	104	104	OK	OK	OK		18	19	OK	OK	L	OK
321078	<u>RPHGB.RR57.RQ5.R5B2</u>	<u>RPHGB</u>	RR57	<u>RPHGB.RR57.RQ5.R5B1</u>	102	103	104	104	OK	OK	OK		19	18	OK	OK	U	OK
321184	<u>RPHH.RR57.RQ4.R5B1</u>	<u>RPHH</u>	RR57	<u>RPHH.RR57.RQ4.R5B2</u>	115	116	104	104	OK	OK	OK		12	5	OK	OK	U	OK
321185	<u>RPHH.RR57.RQ4.R5B2</u>	<u>RPHH</u>	RR57	<u>RPHH.RR57.RQ4.R5B1</u>	116	115	104	104	OK	OK	OK		5	12	OK	OK	L	OK
	<u>RPHGB.RR57.RQ6.R5B1</u>	<u>RPHGB</u>	RR57	NA											OK		L	
	<u>RPHGB.RR57.RQ6.R5B2</u>	<u>RPHGB</u>	RR57	NA											OK		U	
	<u>RPHGA.RR57.RQ8.R5B1</u>	<u>RPHGA</u>	RR57	NA											OK		L	
	<u>RPHGA.RR57.RQ8.R5B2</u>	<u>RPHGA</u>	RR57	NA											OK		U	
	<u>RPHGA.RR57.RQ10.R5B1</u>	<u>RPHGA</u>	RR57	NA											OK		L	
	<u>RPHGA.RR57.RQ10.R5B2</u>	<u>RPHGA</u>	RR57	NA											OK		U	

	qty
RPHH	2
RPHGA	4
RPHGB	2