

26 April 2007 08:30 in 2889-R-009

Present: AB/CO: A. Castaneda, M. Koratzinos, R. Schmidt,  
M. Zerlauth  
AB/PO: H. Thiesen, V. Montabonnet, Y. Thurel  
AB/OP: M. Gruwe  
AT/MEL: D. Bozzini, V. Chareyre, K.H. Mess , S. Feher  
AT/MTM: A. Siemko, S. Sanfilippo  
AT/ACR: R. Rabehl, P. Gomes  
TS/HDO: R. Saban, B. Perea, A. Vergara, M. Pojer,  
MP. Casas Lino, J. Etheridge, M. Solfaroli  
TS: P. Ciriani

## Sector 78

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- R. Saban reported on cryo status: arc magnet temperatures stable.
- EIQA and powering: progress during yesterday and programme for today can be found in:  
<https://twiki.cern.ch/twiki/bin/view/HCC/BlogEntryPoint8x2007x04x25x18x38?point=8>.
- A lexicon of the procedure and the tests that need to be performed for the 60A circuits follows:
  - 1) **EIQA** - Electrical quality assurance: continuity, insulation, transfer function measurement
  - 2) **PCC** - Power converter configuration (with current up to 10A)
  - 3) **PNO** -Powering to nominal:
    - a. **PNO1**: Current cycle up to 30A
    - b. **PNO2**: Current cycle up to nominal current
    - c. **PNO3**: Provoke PC failure for testing crowbar protection
- D. Bozzini: there were tests yesterday to shed light to the problem of interference with temperature readings during EIQA tests. Investigation is ongoing.
- Instrumentation cable in circuit RCBV22.L8B1 was replaced and will be checked by EIQA today (see relevant open issue in this document).

- M. Zerlauth: PNO3 sequencer procedure will be ready by tomorrow morning. The rest of the sequencer procedures need to be consolidated and will be ready Monday.
- D. Bozzini: the EIQA team was able to test 16 (60A) circuits yesterday. Might even be able to finish all 60A circuits by tomorrow afternoon.
- DFBs: DFBAO currently owned by the EIQA team. DFBAN, DFBMH will be given today to R. Rabehl for boil-off tests (level gauge calibration). Some aluminium screens have been fitted to DFBAO chimneys. These are (passive) heat conductors that should help increase the temperature at the top of the chimneys. Ventilation in the tunnel is now running at nominal setting. R. Rabehl will report on the effect the screens tomorrow.
- Next meeting Friday, 27 April at 8:30 in 2889-R-009

M. Koratzinos

## Open Hardware Commissioning Issues in SECTOR 78

REGION	ISSUE
SECTOR 78	
	QPS voltage tap problem in quadrupole 33R7 - Another tap will be used instead. Attention because the damaged tap might be floating on the conductor.
	Non-conformity of the crates of cryo instrumentation (inrush current) (A.Suraci)
	Securing of the ventilation units
	Four circuits in Q5 suffer a breakdown at around 450V due to a weak insulation. The four circuits are RCBCVS5.L8B1, RCBCHS5.L8B2, RCBCHS5.L8B1 and RCBCVS5.L8B2. Insulation towards ground and other circuits is OK.
	Continuity error in the instrumentation cable routing the voltage-taps of the DOC circuit RCBV22.L8B1 from the IFS interface box of the SSS in 22L8 to the PC rack RYLA.A22L8. <a href="https://edms.cern.ch/document/812304/1">https://edms.cern.ch/document/812304/1</a>
	EI_QA performed on C16L8. ICC test showed reversed sequence of V-taps on circuit RCBV16.L8B1 (D.Bozzini) check
	BPM connection in Q2 (R.Jones) ? waiting for Inner Triplet to be repaired
	MB1055 magnet to be changed before powering above 2kA RB.A78
	Inner Triplet in Point 8 to be repaired
	Water leak on the tunnel concrete wall to be fixed (C33L8).

Closed hardware commissioning issues in sector 78 can be found at <http://hcc.web.cern.ch/hcc/activities/activities.php?region=S78>.