

Combined Beam Dump Project and HC Coordination meeting

April 3, 2007, 10:00 - Building 865-1-D17

Present: Alain Antoine, Laurent Ducimetiere, Carlos Fernandez Robles, Mirko Pojer.

INTERFERING ACTIVITIES

- DFBA transport/installation during next weeks:
 - DFBAK-HCM: already in place.
 - DFBAK-LCM: the transport will be probably done on Wednesday 4.
 - DFBAL-LCM/HCM: transport from Thursday 19th till Monday 23rd april.

These transports will be confirmed in advance to AB/BT group, so that work can be planned accordingly and changes dealt with.

INSTALLATION STATUS

- Vacuum components installation: all junction modules between MKDs are in place. Bake-out will start on Thursday 5 and finish by the end of w.15. **[action J.M. Jimenez]**
- The junction modules between MKDs in RA67 will be installed next week (w.15) **[action J.M. Jimenez]**
- The installation of the MKD magnets will start on w.16 and it will last 3 weeks (cabling included). The holes for the supports have been checked.
- The beam dump line in tunnel TD62 is almost completed; the last bellow missing is ready for installation.
- Power distribution for MKB controller in UA67: still waiting for the reception report to be issued by Norisko.
- The assembly of the missing distribution racks is the following:
 - for MKBs in UA63, it is already completed;
 - for MKDs in UA63, the assembly of the rack will start this week (w.14) and will last 2 weeks;
 - for MKDs in UA67, the assembly will be carried out starting from w.16.
- According to the previous point, the reception of the racks in UA63 could be carried out on w.18 **[action AB/BT & SC/GS]**.
- Optical fibres for pulsing not yet completed **[action K. Loukili – TS/EL]**; almost 90% has been installed, including those necessary for the ongoing tests. Some communication problems have been detected between UA63 and UA67, which could be due to a cable inversion **[action TS/EL and AB/BT]**.

- BPM installation: BPMSD will be installed this week. BCTFD will be installed this week (w.13). **[AB/BI]**
- Mounting supports for the second beam: holes positions have already been checked for 6L; next week (w.13) they will be checked for 6R. **[AB/BT]**
- BLMs to be installed around MKBs: the integration drawing for MKBs in RA63 have been edited. Checking is on going. **[action W. Weterings to check with ICL]**
- Vacuum pipe on Q4: a mechanical verification will be carried on in the following days to check if the section is straight, and then the installed pipe must be measured to give the installed tolerance.
- Ground connections have been verified for all the magnets and for the racks by Norisko (report to be issued!!!). The ground connections between local earth plane and earth need to be done, plus final checks after *deconsignation* by TS/EL **[action E. Carlier]**
- Mismatch between the TCDS and the last MSD on each side: a solution has been proposed, which considers the use of standard bellows plus a transition part. A proposition will be made before Easter by A. Rossi.
- All HT circuits have been closed at the generator side.

TEST ACTIVITY

- *Low-level control tests_comm*:
 - The programming of the addresses for AUL is missing (to be done after PDC installation).
 - Coupling between MKD63 controls and MKB67 controls is on going.
 N.B.: The communication tests between UA63 and UA67 will last 2 weeks.

SAFETY

- J. Weber has given his opinion on the safety measures put in place for the HV tests:
 - the tunnel should be closed near to the magnets under test – flashing lights and panels for information, and people to contact in case of tunnel passage, should be put in place;
 - the circulation of people needing to access the tunnel should be done through the UAs (K. Foraz reminded that transport and geometers could need to pass through the tunnel, which will be coordinated by HCC); the transformers and racks will be delimited with plastic red & white chains.

PLANNED INTERVENTIONS IN THE AREA

- The bake-out of the whole MKDs-to-MKD6 sector will be completed by w28.

- Smoothing of the MSD is foreseen for this week (w.12).
- A cabling campaign (including fire detection system) is foreseen for w16 to w19.
- A water maintenance intervention has been scheduled for the w18 to w20 (demineralised water, cryogenic services and iced water will be affected).
- Test of the MSD foreseen for w.21-22.
- Cool-down of sector 5-6 for mid August.
- Cool-down of sector 6-7 for mid October.

Open Issues

20.03	Mismatch between TCDS and MSD	AT/VAC&AB/BT
13.03	Mounting supports for second beam (on drawings) (6R)	AB/BT
13.03	BLMs integration	AB/BT&ICL
13.03	Grounding of instrumentation/after <i>deconsignation</i>	AB/BT
27.02	TCS: installation after dump line	
27.02	Vacuum tube between carbon window and TDE	AB/ATB
27.02	VMTAB bellows are needed for w18	AB/BT
20.02	VAC: bake-out of 6L	AT/VAC
20.02	VAC: bake-out of 6R	AT/VAC
20.02	TDE in UD68 ready for end of June	
20.02	BPM installation	AB/BI
20.02	Vacuum pipe on Q4	AT/VAC-AB/BT
20.02	Safety inspection by Norisko on PDC for MKD63 and MKB63	
20.02	Optical fibers for pulsing	K. Loukili-TS/EL

Closed Issues

27.03	Safety inspection by Norisko on power distr.rack (MKB67)	20.02
27.03	Grounding of instrumentation/before <i>deconsignation</i>	13.03
27.03	Mounting supports for second beam (on drawings) (6L)	13.03
27.03	Place for storing MKDs in UX65	20.03
20.03	Grounding of magnets	13.03
13.03	Intermediate bellows availability	27.02
13.03	Interference between vacuum support and MKD	L. Ducimetiere 27.02
27.02	Space in UJ62 and UJ67 for installation of spare TDE (and transport equipment) – late installation of that part of dump line	20.02

Completed tests

- *Low-level control tests_comm:*
 - AS-I test: security monitor programming done for MKD and MKB.
 - MPI networks are working for MKDs and MKBs in UA63.

- For PROFIBUS-DP in UA63, the network connection of the generators for the MKB is properly working, as well as that for the generators for the MKD.
- All retriggering lines are installed and tested.

**Next meeting:
Tuesday April, 10
10:00 building 865.**