

## ***Combined Beam Dump Project and HC Coordination meeting***

March 27, 2007, 10:00 - Building 865-1-D17

Present: Etienne Carlier, Francesco Castronuovo, Carlos Fernandez Robles, Katy Foraz, Brennan Goddard, Mirko Pojer, Jan Uythoven, Wim Weterings.

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### INTERFERING ACTIVITIES

- DFBAAs transport/installation during next weeks:
  - DFBAK-LCM/HCM: ~~transport has been delayed to w.14.~~ Probably further delayed.
  - DFBAL-LCM/HCM: transport from Thursday 19<sup>th</sup> till Monday 23<sup>rd</sup> 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: the junction modules between MKDs are still to be installed – supports are missing. The supports should be available for installation by Thursday (29.03); in this case, the bake-out will be done during the week-end, to finish by Monday 2<sup>nd</sup>. **[action J.M. Jimenez]** The jackets for the bake-out around the MKDs ceramics chambers are already in place. The holes for the supports of the magnets have been checked and found to be correct.
- The beam dump line in tunnel TD62 is almost completed; the last bellow missing is ready for installation.
- The idea of storing the MKD magnets in the UX65, to gain some time while waiting for VAC, has been abandoned since the crane would still be needed to move them to the tunnel and no time could be gained.
- Power distribution for MKB controller in UA67: the electrical reception of the racks has been carried out by Norisko. The report should be issued soon. For the inspection of the racks for the MKDs in UA63 could be carried out in three weeks. **[action AB/BT & SC/GS]**.
- Optical fibres for pulsing not yet completed **[action K. Loukili – TS/EL]**; almost 80% has been installed, including those necessary for the ongoing tests.
- BPM installation: all the BPMSA, BPMSB, BPMSE and the 4 BTVD have been already installed. 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:*
  - AS-I test: security monitor programming done for MKD and MKB;
  - the programming of the addresses for AUL is missing (to be done after PDC installation);
  - 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.
  - Coupling between MKD63 controls and MKB67 controls is on going.
  - All retriggering lines are installed and tested.

### 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-MKDs 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

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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 by w-13	AT/VAC
20.02	VAC: bake-out of 6R by w-15	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 power distr. Racks for MKDs	
20.02	Optical fibers for pulsing	K. Loukili-TS/EL

### Closed Issues

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27.02	Safety inspection by Norisko on power distr.Racks (MKBs)	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

**Next meeting:  
Tuesday April, 3  
10:00 building 865.**