

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

March 6, 2007, 9:45 - Building 865-1-D17

Present: Alain Antoine, Boris Bellesia, Laurent Ducimetiere, Katy Foraz, Brennan Goddard, Mirko Pojer, Jan Uythoven, Wim Weterings.

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### MEETING ORGANISATION

The meeting time will be shifted slightly to 10:00 on Tuesdays.

### INTERFERING ACTIVITIES

- DFBA transport/installation during next weeks:
  - DFBAK-LCM: transport from Thursday 15<sup>th</sup> till Friday 16<sup>th</sup> march;
  - DFBAK-ATM: transport from Thursday 15<sup>th</sup> till Friday 19<sup>th</sup> march;
  - DFBAK-HCM: transport from Thursday 29<sup>th</sup> till Monday 2<sup>nd</sup> april;
  - DFBAK-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 two valves between the MKDs are already in place, but the junction modules are missing. These are already at CERN and tests are on going (they should be finished by the end of the week). The new supports will be available by the end of the week, possibly on Thursday; bake out will be started next week (w12), to finish by Sunday 25<sup>th</sup>. **[J.M. Jimenez]**

The availability of the intermediate bellows (VMZAT, VMZAS, VMZAU) has been checked. **[J.M. Jimenez]**
- Cabling for MKD in UA67 has been completed.
- Power distribution for MKB controller: the racks will be completed by this week (w.11) **[A. Antoine]**; the electrical reception will be carried on starting from Monday next week (w12) **[AB/BT & SC/GS]**.
- Optical fibres for pulsing will be completed by w.11 **[action K. Loukili – TS/EL]**.
- BPM installation: problems of floor marking have been discovered, which delayed the installation. 4 over 6 of the BPMSA will be installed starting from w.11. BCTFD will be installed starting from w.12. **[AB/BI]**
- Mounting supports for the second beam: work to be done on drawings to check holes positions. **[AB/BT]**

- BLMs to be installed around MKBs: no drawing available for the moment. **[action W. Weterings to check with ICL]**
- Vacuum pipe on Q4: Q4 has to be measured to check the space for the 4 mm-thick pipe (on the contrary corrective actions have to be foreseen. **[action W. Weterings to check with TS/SU for scan]**)
- Ground connections have to be verified for all the equipment and particularly for the magnets to be powered soon (MKDs on 6L and MKBs on 6R). **[action E. Carliere]**

### TEST ACTIVITY

- The issue of safety has been raised concerning the second part of the low level control tests. After the communication tests, the remaining tests are performed with high voltage possible in the magnets. Due to co-activities in the area, also the general safety measures have to be revised. As a consequence:
  - the planning has been modified in accordance to the separation of the low level control tests in "comm." and "HV" part;
  - Safety Commission has been invited to the next meeting (20<sup>th</sup> March).
- *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, and that for a half of the generators for the MKD is working as well (half missing).

### MTF

- A list of possible steps for the commissioning of the Beam Dump System to be inserted in MTF is under discussion. Steps will be defined as "per magnet" and not "per system".

### Planned interventions

- A campaign for fire detection system cabling is foreseen for w14 to w17.
- A water maintenance intervention has been scheduled for the w18 to w20 (demineralised water, cryogenic services and iced water will be affected).
- Cool-down of sector 5-6 for mid August.
- Cool-down of sector 6-7 for mid October.

## Open Issues

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13.03	Grounding of instrumentation/magnets	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
27.02	Intermediate bellows availability	AT/VAC
20.02	VAC: bake-out of 6L by w-12	AT/VAC
20.02	VAC: bake-out of 6R by w-13/14	AT/VAC
20.02	TDE in UD68 ready for end of May	
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	
20.02	Optical fibers for pulsing (compl. W11)	K. Loukili-TS/EL

## Closed Issues

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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 March, 20  
10:00 building 865.**