LHC Beam Operation Committee

Notes from the meeting held on 28th February 2012

**1. 2012 BI Commissioning Plans – F. Roncarolo (**[**slides**](https://lhc-beam-operation-committee.web.cern.ch/lhc-beam-operation-committee/minutes/Meeting30-28_02_2011/BI.LBOC_28-02-12.pdf)**)**

F. Roncarolo presented the BI plans for beam commissioning, mapping it on the plan presented by J. Wenninger at the previous meeting. The requirements and plans of BI fit rather well into the overall plan, and the time requirements are essentially met. The BI plan is split into 7 phases corresponding to the shifts allocated in the commissioning plan to BI work. It starts with the basic work to re-commissioning the main systems (including new features) and ends with 50 ns beam checks. For details refer to the slides.

J.Wenninger commented that pars of the last tests (periods 6&7) may have to be re-scheduled after the first stable beams, as they may require beam conditions that cannot be met at the corresponding commissioning stage This is mostly related to collimator setup and validation for the required intensities.

**2. Machine Checkout 2012 – J. Wenninger (**[**slides**](https://lhc-beam-operation-committee.web.cern.ch/lhc-beam-operation-committee/minutes/Meeting30-28_02_2011/LHC-MachineCheckout.LBOC.Feb12.pptx)**)**

J. Wenninger gave a first outline of the machine checkout that will start in week 10. The activities will be coordinated by R. Giachino and M. Albert from BE-OP-LHC. Meeting will be organized every evening at 17:00 to define the program of evening/night as those as usually the most productive periods. Since there are still activities planned in points 2 and 8 for vacuum, BI and collimators, it is likely that there will be interruptions for access on days. In addition the experiments may still be accessing their caverns. The aim of the week is to be able to run all systems (PCs, collimators, RF etc) through the full machine cycle, to arm the beam permit loops, to test the dump and the MKIs. It is planned to send beam to the downstream TEDs, probably in the second half of the week.

**3. Plans for the DSO tests – M. Tavlet (**[**slides**](https://lhc-beam-operation-committee.web.cern.ch/lhc-beam-operation-committee/minutes/Meeting30-28_02_2011/2012-02-28_DSOtests_LBOC_mt.pptx)**)**

M. Tavlet presented his plan for the DSO tests that will take place Thursday 1st from 8:00 to 11:45 and Friday from 08:00 to 17:00. The tests will start with TI2/8 on Thursday morning. At the end of the tests on Thursday the TEDs will be consigned (in beam position) for the tests on Friday. On Friday at least one intrusion test will be performed in each point. The tests will be interrupted for a VIP visit ~ 11:00. At the end of the tests, the TEDs will be put back into the chains.

M. Lamont wondered if the allocated time is sufficient. Marc answered that the tests should fit within the predefined time.

B. Gorini asked to receive all details in order to inform the experiments.

**Next meeting**

Tuesday, 06/03/2012: **LBOC meeting (15:30 in 874-1-011)**.

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Reported by Jorg Wenninger