

## Minutes of 5th Collimation Remote Commissioning Meeting, 5th of September 2014

**Participants:** C.Bracco (CB), R.Bruce (RB), R.Giachino (RG), D. Jacquet (DJ), S.Redaeli (SR), B.Salvachua (BS) and G.Valentino (GV).

### Following up of previous actions and general summary

- **Temperature sensors (AM):** to be addressed.
- **Test of configuration DB (DJ, GV, BS):** COLLFLATS (detailed flatness data) is filled for most of the new collimators, on-going. BPM data needs to be updated, now we have default values.
- **List of available collimators in the tunnel (AM):** only IR3 collimators:
  - TCLA.6L3.B2
  - TCLA.6R3.B1
  - TCLA.7L3.B2
  - TCLA.7R3.B1
  - TCLA.A5L3.B2
  - TCLA.B5L3.B2
  - TCP.6L3.B1
  - TCP.6R3.B2
  - TCSG.4L3.B2
  - TCSG.4R3.B1
  - TCSG.5L3.B1
  - TCSG.5R3.B2
  - TCSG.A5L3.B2
  - TCLA.A5R3.B1
  - TCLA.B5R3.B1
  - TCSG.A5R3.B1
  - TCSG.B5L3.B2
  - TCSG.B5R3.B1
- **Availability of test stand in bld. 272 (AM):** ok. SR proposed a **talk in the Collimation Working Group (GV)**. This will be used just for tests on BPM software, not for OP.
- **HWC note and MPS note (BS):** S.Chemli has released 3 documents on HWC of collimators: HWC commissioning note, MPS procedures and Requirement Tolerances. SR points out that the **commissioning of the 5th axis** is not included in these documents and asks for an action on AM to prepare the procedures and to tests all collimators with motors on the 5th axis.
- **Update of logging parameters (BS):** BS asked M.Donze about any extra parameters that need to be logged. Next week they will review the list, in particular the expert parameters might have changed. SR points out that M.Donze should synchronize all properties of the Post Mortem DATA (**action BS, MD**).

- **Send functions to collimators:** There are no devices associated with the MCS-Collimation RBA role. A.Masi (STI) have to configure this and create the Access Tables. Meanwhile, W.Sliwinski declared the LHCCollimator class into LENIENT so that we can continue the tests. BS has removed all Critical Parameters from all LHC Collimators, so that we can also trim the functions. With this a continous RAMP at 4TeV was launched yesterday (see LHC COLL logbook):  
<http://elogbook.cern.ch/eLogbook/eLogbook.jsp?shiftId=1056854>  
<http://elogbook.cern.ch/eLogbook/eLogbook.jsp?shiftId=1056883>  
 after few ramps the collimator TCSG.B5R3.B1 failed, loosing steps. AM intervened in the tunnel, there was a problem with the cable. After that it was re-included in the sequence. Another collimator stopped TCLA.B5R3.B1, but after clearing the error it was inserted again in the sequence. AM corrected the maximum length between 2 points in a function and set it to 5000sec.
- **Modification of Alarm display:** action BS follow with Georges-Henri but no action for the moment.
- **Movement of collimators in Tunnel:** O.Aberle says that this was discussed in the framework of LS1 activities which are coordinated at the LS1 meeting with Katty and J.Coupard. In addition there is also a written sign.
- **Collimation applications (GV):** There is a problem with the ordering of the java libraries (external to collimation), this makes some versions to work on some consoles and not in others. (follow up by OP).
- **Preparation of the note collecting changes on the operational settings:** SR proposed GV and BS to collect information for a note on the history of collimator settings. GV will check first the note from Jorg on the Operational Conditions.
- **Generation of functions with LSA:** SR suggests to compare the functions generated with LSA with the import of Roderik to check that the optics is ok. RB will send the values at injection to BS and DJ. The ultimate check can be to import the top level parameters from RB, generate the functions accordingly and compare them with the imported files. DJ also proposes to check the import of part of a function, this can only be done now that we don't have critical parameters.
- RG points out important dates for commissioning:
  - Sector tests : Jan-Feb 2015
  - Transfer line tests: 22nd November 2014

### Main goals for the next weeks:

- Monitor of the logging
- Execution of several consecutive RAMPs with 6.5TeV functions (over the weekend with a break of 2 hours within each ramp)
- Monday: check import of functions
- Compare LSA generated ramp and imported ramp
- RBAC roles