**Presence list**

*Present:* Antonio Perin, Mirko Pojer, Ivan Romera, Scott Rowan, Gerard Willering, Sandrine Le Naour, Matteo Solfaroli, Arjan Verweij, Sandor Feher, Markus Zerlauth, Jean-Philippe Tock, Per Hagen, Michele Modena

## Approval of minutes

A few minor comments on the minutes of last week were given, after which the minutes were approved.

## General information

* CSCM will start in S6-7 this week. If all goes well the first powering starts this week.

## MP3 presence in the CCC during HWC

Sandrine shows in a short presentation the list she made for the MP3 presence in the CCC as can be seen on <https://twiki.cern.ch/twiki/bin/view/MP3/HWC2014>. The group “MP3” that has signature rights includes 14 persons at this moment.

The HWC will start on the 11th of August with consecutively planned:

* 5 weeks of only 1 day shift
* 5 weeks with 1 morning (7h to 15h) and 1 evening shift (13h to 21h)
* 11 weeks with 1 morning, 1 evening and 1 weekend shift.

Sandrine proposes to have each week 1 MP3 referent that will act as contact person for the LHC engineer in charge. 4 other persons will work with him. The referent has to be available most of the time. In this way all participating MP3 members will be directly involved in HWC every 2-3 weeks.

**Action for all**: Send Sandrine your availability for the next period, by writing the number of days per week you are available in the table on above mentioned site.

## RB hardware commissioning procedure

Sandrine shows the final version of the RB HWC procedure that will update EDMS [874713](https://edms.cern.ch/document/874713/).

Matteo has two generic comments on the 60 A circuits. PNO.A1 can be done upon approval of PNO.D1, which is contrary to what was done before. Arjan comments that the sequence including approval needs to be applied for all circuits. Markus indicates that this takes away flexibility for the operators. Matteo says that performing the tests sequentially for the 60 A circuits is OK, but if it is done for all circuits it will indeed limit flexibility. Arjan insists that a quench in A1 should be analysed first and then A1 should be repeated before D1 starts. Although it is not required for safety, the tests are more structured and plateau quenches will be avoided. Mirko sees no strong reason to wait for all approval signatures to be signed before launching a next test. The MP3 insist on the topic and Mirko and Matteo accept this fact.

Mirko asks if after the changes in the procedures the discharges of PNO.D1 are indeed for all the circuits performed similarly so the same sequence can be used. This needs to be verified.

The type of analysis as indicated in Table 3.2 includes many tests. In table 3.3 the tests required during different HWC campaigns and after technical stops have been listed. Mirko does not like that the value of current of 11080 is indicated for the PNO.B2 test, since this should be referring to the parameters document. Mirko would like to add the PCC to the list of tests after a technical stop of more than 2 weeks.

PLI2.F1 is not in MTF, which is strange, since it has been executed multiple times in 2008. At least the name should be in MTF.

In PLIS there is an on-board QPS snapshot.

Mirko indicates that the EE test in PNO.B2 is done from I\_PNO+I\_DELTA, which is not consistent with the procedure for other circuits where often the discharge starts at I\_PNO. Sandrine indicates that 5 to 6 cycles (and hence the sequence program) will be changed in these updated procedures. Markus would like to have a list of changes per sequence.

## IPQ procedures updated version

Gerard walks through the latest version of the IPQ procedure that will update EDMS [874884](https://edms.cern.ch/document/874884). A few inconsistencies in the document are pointed out that will be changed after the meeting for a next round of revision. The document will be placed on the MP3 [twiki](https://twiki.cern.ch/twiki/bin/view/MP3/HWCProceduresInfo) and it will be sent for approval to EDMS.

## AOB/Next meeting

The next meeting will be held on the 30th of July.

Minutes prepared by Gerard Willering, TE-MSC