

LHC RF Meeting

14th July 2006

Participants: Thomas Bohl, Edmond Ciapala, Pierre Maesen, Daniel Valuch.

Corrections to meeting of 7th July 1006.

✚ MTF is the acronym for Manufacture and Test Folder (not Measurement and Test Folder)

1. ACS Modules and SM18 (Pierre)

✚ **Module 5:** Is in the assembly area, awaiting tests of the alignment system with SU.

✚ **Module 1:** Now cold in the bunker, measurements will be done next week.

✚ **Module names:** We now have official names for the modules, following the suggestion of C. Nicou:

Module 1 : AFRICA
Module 2 : AMERICA
Module 3 : ASIA
Module 4 : EUROPA
Module 5 : OCEANIA

✚ **MTF data** – A discussion with Z. Zahariev will take place next week. The layout structure for accessing the database will be discussed - geographical (preferred from the installation viewpoint) or functional?

2. APW (Thomas)

✚ **Bakeout and Tests:** All six APWs are baked and tested, ready for installation.

3. LLRF - ACS RF signal distribution & measurement (Daniel)

✚ **Cavity Controllers distribution** (16 crates in Faraday cages): 20 needed (incl. 4 spares) are being manufactured. Delivery is late due to supply delays with certain attenuators.

✚ **ACS HOM distribution** (in the ACS racks, 1 crate/2 cavities): Will be assembled as soon as all the splitters and attenuators (just delivered) have been tested.

✚ **Other systems** – Work is progressing on: **Vector Sum** (2 crates in ACS racks), **UX45 to SR4 signal multiplexing** (1 system per beam), **ACS HOM power meter crates** (in the ACS racks, 2 crates, i.e. 1 per 8 cavities) and **Klystron signal distribution** (1 per klystron).

These will be reported in a future meeting, with a general overview of all the systems.


4. UX45/RUX45 installation status

✚ **LSS planning:** Work in P4 has slowed due to priority being put on P8. The current “LSS Planning”, EDMS as document **753875** remains in work, access still not allowed.

✚ **QRL eXtensions.** Some welding work remains to be done. This prevents other work; we will try to determine exact dates for completion of the work.

✚ **Floor painting:** Again we need to check that this remains possible for the beginning of August.

5. AoB

 **MTF for hardware commissioning:** A first explanation has been provided by Blanca Perea Solano (TS/HDO - hardware commissioning team). The aim is to document procedures for the various hardware commissioning tests, on all equipment and to archive the results. Again the layout structure has to be agreed (by us) and put in EDMS (by the HWC team).

Next Meeting: Friday **28th July** at 08:45 in the JBA room. (**No meeting Friday 21st July**)

E. Ciapala, 18th July 2006.