

# **WARM MAGNETS COMMISSIONING POINTS: 2(TI2LHC) - 4**

HARDWARE COMMISSIONING COORDINATION (16.10.2007 30/6-041)

◆ ◆ ◆  
**NEXT RAT meeting**  
**To be scheduled**  
◆ ◆ ◆

Present: Pal Andersen, Maria Paz Casas Lino, Pierre Dahlen, Delphine Gerard,  
Jacky Mazet, Hugues Thiesen.

Excused: Jeremie Bauche

**Point 4 – Contact HCC person: María Paz Casas / Boris Bellesia /  
Matteo solfaroli**

---

---

## **Points Discussed During the Meeting**

### **Readiness of each system:**

- **WorldFip (Claude Dehavay) – OK**
- **Grounding (Jerome Pierlot) –** The grounding of the cables support in front of MGMWH.A5L5 is not connected at present to the general earth.

Besides Delphine has requested the installation of a similar support in 4R that would need also the corresponding grounding. Delphine will contact Jerome to have these groundings connected on Friday 19<sup>th</sup> October. Maria Paz will contact Sebastien Pelletier on Wednesday 17<sup>th</sup> October morning to verify if he can install this support before Friday.

- **Balancing (Frank Moro) –** The balancing has been confirmed by Franck Moro. Nevertheless during the VIC that took place on Monday 15<sup>th</sup> October, some cut valves were found in not an open position. See picture below:



Maria Paz asked Franck Moro to confirm the correct balancing. Franck and Serge Deleval will make the verification on Wednesday 17<sup>th</sup> October. Nominal water flow was guaranteed by Friday 19<sup>th</sup> October.

- **AC Distribution (Simon Brown/Jerome Pierlot) – Ok**
- **DC Distribution+Interlock cables and connectors (JC Guillaume)-** The DC connections to the magnets pointed out by Delphine in the previous meeting, will be done, according to Sebastien Pelletier on Wednesday 16<sup>th</sup> October by TS/EL. Maria Paz will contact Sebastien to follow the work.

The WIC cables which are not long enough to be connected to the WIC racks in 4R, and pointed out by Pierre after the previous meeting, are still without a solution. Sebastien informed Maria Paz that the required work will be done on Wednesday 17<sup>th</sup> October. Maria Paz will contact Sebastien to follow the advancement of the works.

- **WIC (Pierre Dahlen): -**
- **Magnets (Delphine):** The cover in two magnets is still to be installed. Delphine guarantees their installation before starting the tests. See picture below:



- **Wi-Fi (Pal Anderssen):** OK
- **VIC (Emmanule Paulat):** During the VIC the safety measures to be taken were agreed. In addition the grounding missing and suspicious valves position mentioned in the paragraphs above were pointed out.
- **Inspection (Guy Salomon/Arnaud Baton):** The mail below summarises the requirements before starting the tests:

Bonjour,

Pour faire suite à ma visite, et avant l'émission du rapport définitif, je vous transmet mon rapport provisoire.

Les soucis en RA43 concernent le capot de l'aimant le plus à gauche dont le capot ne protège pas contre les risques de contacts directs ni contre les court-circuits en cas de chute sur le capot actuellement en place.

Le poteau à proximité n'est pas relié à la terre (présence de la tresse de terre, mais n'est pas relié à la liaison équipotentielle)

En RA47, le soucis majeur concerne le capot de l'aimant le plus à droite. N'étant pas en place à ce jour, il m'a été impossible de prendre position mais il faudra appliquer les même disposition que pour le capot posant soucis au RA43 concernant le risque de court-circuit et contre les contacts directs.

Le reste des observations ne présentent pas un danger.

En vous souhaitant bonne réception.

Cordialement,

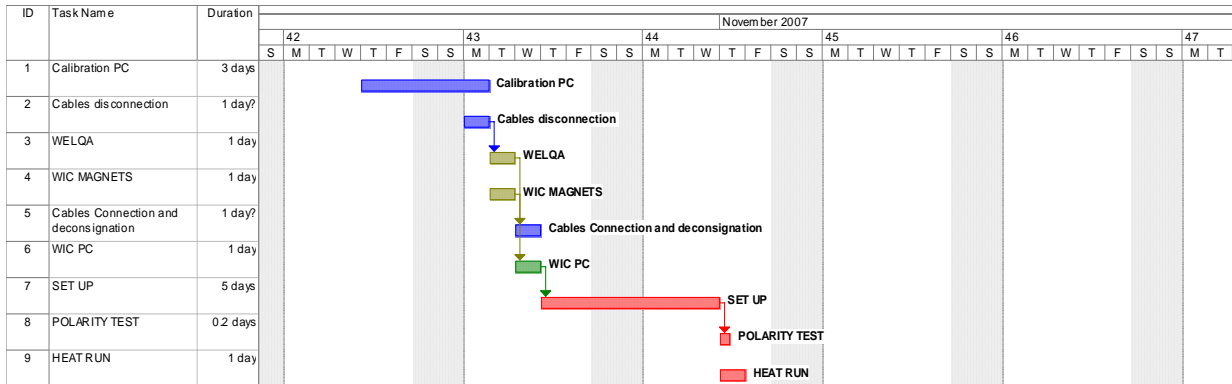
Arnaud Baton pour Guy Salomon (TS/HDO)

## Special access rights in 4 right

For access to 4R before and during the warm magnets tests it will be necessary to get the permit from (Boris Bellesia or Matteo Solfaroli). Boris and Matteo will specify where to get the require tokens to access the area

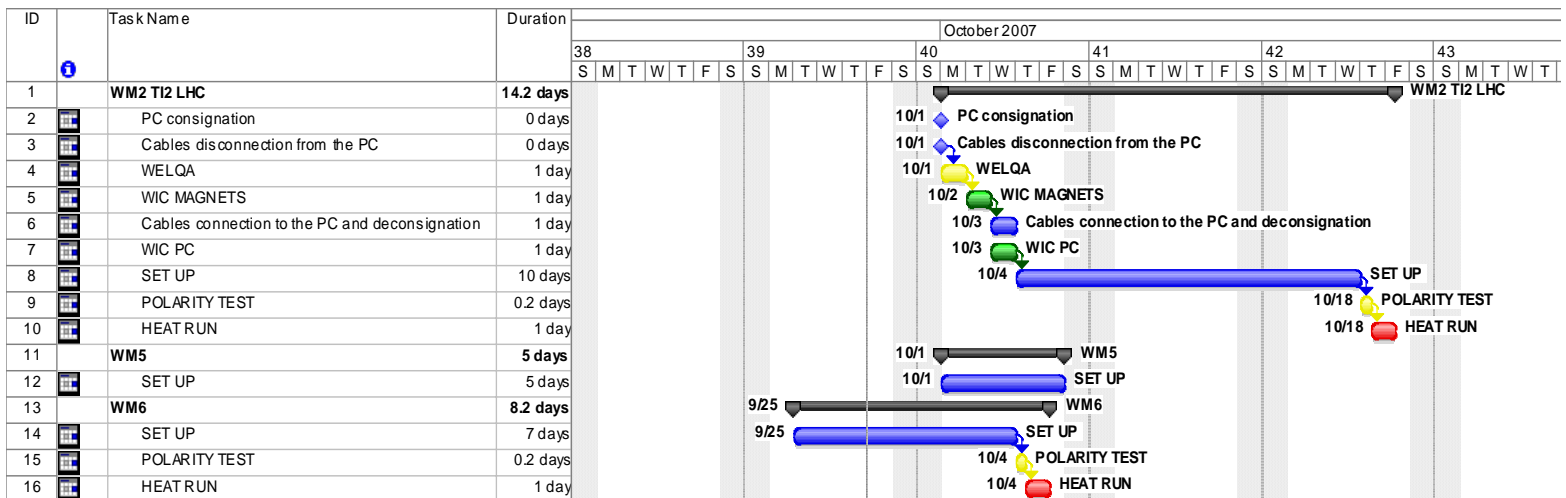
## Tests planning:

- So far the planning is kept as foreseen. If there is any problem preventing the start of the tests on Monday 22<sup>nd</sup> October, Maria Paz will send a mail next Friday.
- Jacky Mazet will ask the consignment of the warm magnet circuits in point 4 for Friday afternoon. Afterwards Hugues will follow the disconnection of the cables from the converters.
- Monday 22<sup>nd</sup> the ELQA will take place followed by WIC magnets and the re-connection of the cables to the power converters.
- Jacky will ask the deconsignation of the circuits for Tuesday morning.



## Point 2 – Contact HCC person: María Paz Casas / Carlos Fernandez

- The planning follows the schedule below:



- Jacky Mazet and Jeremie Bauche will ask the consignment of the warm magnets circuits TI2-LHC for Thursday 18<sup>th</sup> October morning.
- Jacky Mazet and Jeremie Bauche will remove after the consignment the electrical covers of the magnets.
- Jacky and Jeremie will ask for the consignment of the circuits for Thursday 18<sup>th</sup> October 13:30h.
- At 14:00 the heat run will begin. The polarity test will take place in parallel.

**Maria Paz for the Hardware Commissioning Coordination**