Meeting Notes

Subject: WP6a - Cluster F upgrade for cold powering tests - meeting #61


Meeting date: 09/03/2022

- **WCC:**
  - MM, FD, SF will meet concerning testing the WCC water cooling circuits.

- **ACC:**
  - Pulling activity almost complete – connections at 2 kA circuit energy extractor to finalise.

- **Cabling:**
  - Phase 2 cabling ongoing – GG expects completion by 18 March – RAS.
  - Swinging arm installation – SF confirms emergency stop to be moved to other side of pillar. GG will lead the modification. SF & PCa will install arm next week.

- **PPI cage:**
  - On-site meeting 9/3/2021 – PCr, HT, PCa, S.Yammine – confirmation of < 12.5 mm mesh size – as load switch cages. HT will clarify with J.Gascon if cage roof can be suppressed.

- **Support frames:**
  - DFX vertical support: Delivered. PCa recommends to assemble in final position (floor fixing) after EN/EL works – PCr to check with Y.Leclercq.
  - Cable chain – MCu & ER performed handling trials 4 March. Lifting and horizontal displacement ok. Incorrect load distribution during lowering resulted in some minor damage to cable chain – procedure to update. Next test (after GG works) to be performed with MgB2 cable load.

- **PPI & busbars Cu parts:**
  - 18 kA busbar: raw material blocked on ferry fire. Post meeting: alternative supply sources being checked by A. Dallocchio.
  - Patch panel parts – partial delivery soon. Post meeting: parts at goods reception 10 March.
  - Flexibles (busbar to DFHX) – mid-March
  - Busbar cooling plates – HT confirms proto test ok. Series production delivery late April
• DFX:
  o UK delivery postponed due to bellows damage – delivery expected beginning April.

• Cryo connections:
  o Welding support MME (DFX + jumper, DFHX + gas return to bayonet) – upcoming meeting with MME.
  o CRG works around the CFB will start 21st March.
    ▪ Transfer line ‘bayonet to GMS’ to be slid under PPI frame.

• Planning & resources:
  o Link to the F2 planning by SF https://cernbox.cern.ch/index.php/s/JpD6V6Z2TRl3prV
  o DFHX/DSHM assembly planning to be consolidated by WP6a.

• Next meeting:
  o Next meeting 16/03/22 at 13:45. Indico site https://indico.cern.ch/category/12845/
  o Zoom https://cern.zoom.us/j/63062581561?pwd=TIE0c2w4emRIk3pwSThOSGJDaVRPZz09

P. Cruikshank, 10/03/2022