

## Meeting Notes

Subject: WP6a @ Cluster F2 - Assembly & installation sequence of cold powering systems - meeting #2

Present: P.Cruikshank (PC), F.Di Ciocchis (FdC), M.R.Curylo (MRC), S.Spathopoulos (SS), E.Richards (ER), Y.Leclercq (YL)

Meeting date: 21/04/2022

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- DFHX:
  - PC asked SS to implement a 3<sup>rd</sup> scenario by keeping the cables straight (instead of the inclined or curved configuration) to see how much extra-length could fit.
  - PC asked about the origin of 25m cable extra-length, SS replied that it was an input from JF.
  - PC pointed out that the maximum SC Link bending radius is 1.5m if it's achieved in a controlled manner, 2m otherwise.
  - PC pointed out that the 4-day duration is too long, we should try to be more optimistic.
    - PC said that we could prepare the workstation area in advance to reduce the time.
    - PC asked SS to involve MC, MRC and ER to get more reasonable numbers.
  - PC stated that the cryo-vessel is now in a semipermanent position and won't be moved in the next 12 months.
  - SS asked confirmation about the available space around the cryostat.
    - PC said that the layout is recently changed but the racks around are movable. He said to contact RB to get the latest layout.
    - PC underlined that the vertical part of the Busbars might not be there when we position the DFHX.
    - PC suggested to pre-check the position of the Busbars and current leads by surveying them so that we can check if they are aligned.
    - PC pointed out that we could manufacture plastic replica models of the Busbars to avoid damaging the actual models during the alignment process.
  - PC agreed to procure the wheels. He pointed out that we could reuse the wheels for another cryostat since they are installed for a short timeframe.
- DFX:
  - YL commented that the top flange is now installed
    - YL underlined that the design of this interface is not ideal and it should be redesigned
- AOB
  - MRC underlined that the SC Link test will be performed tomorrow
  - PC presented the spool/unspool tests
    - YL said that next week they will try to see how much load the anti-pulling system can withstand
- Next meeting:
  - Next meeting 28/04/22 at 11:00. Indico site <https://indico.cern.ch/event/1151977/>
  - Zoom <https://cern.zoom.us/j/64254018121?pwd=WHF6Rml2T01uM1RjTmhlOWtoZDliZz09>

