Minutes of the LIU-PSB Technical Coordination Meeting 1 on 5th February 2019

*Agenda (*https://indico.cern.ch/event/791976/*)*

1. *Communication: Project re-organisation (G.P. Di Giovanni)*
2. *PSB LS2 Activities (D. Hay)*
3. *Roundtable*

Present: A. Akroh, M. Atanasov, E. Cano Gonzalez, F. Chapuis, J.-F. Comblin, J. Devine, M. Dole, A. Findlay, E. Fortescue-Beck, J. Ferreira Somoza, M. Haase, D. Hay, M. Hourican, G. Kotzian, B. Mikulec, A. Newborough, F. Pozzi, W. Weterings

1. Communication: Project re-organization (G.P. Di Giovanni)

G.P. Di Giovanni reported about the reorganization of the project, as LIU is now moving into its installation and towards the commissioning phase (Annex 1).

He presented the mandate of the LIU-PSB Technical Coordination Meetings (TCMs) and explained that Technical Coordination Meetings and Commissioning WGs have been established for each machine.

G.P. Di Giovanni concluded by presenting the new organigram setting forth the LIU structure.

The meeting will be hold on a **bi-weekly basis in room 37-R-022 from 9.00 to 10.00**.

A preliminary list of participants has been compiled (Annex 2). G.P. Di Giovanni will send an email to the LIU-PSB-WP-Holder to make sure none has been overlooked.

J. Ferreira Somoza commented on the difficulties of TE-VSC group to send a representative to attend all the new meetings across the different machines. **B. Mikulec** and **G.P. Di Giovanni** replied that it is a common issue for many groups and that they appreciate any effort to maximize the attendance to the meeting. In case of conflict with other activities preventing the participation to the meeting, it is recommended to send information on the status of the work via email. In case of urgent issues involving TE-VSC, or any other group, the plan is to schedule in the agenda punctual reports.

2. PSB LS2 Activities (D. Hay)

D. Hay presented an overview of the PSB LS2 planning and ongoing activities (Annex 3).

The EN-EL consolidation works for the surface buildings could not be completed in December 2018 and have to be re-scheduled. **J. Devine** commented that they identified almost all the slots for the work and they will be inserted in the new PSB schedule. **D. Hay** thanked EN-EL for the excellent work done in the tunnel: The safety and the lighting in the tunnel have remarkably

improved thanks to the work done. **J. Devine** mentioned that a minor installation for the vacuum storage room has been recently requested and will be done soon.

Another left-over from the activities in December 2018 is magnet powering and field measurement tests of the BT2.KFA20, which will be postponed to the IST period, due to a SF6 cable insulation leak, now repaired.

Power converter refurbishment in B361, BHP, advanced as planned.

Dismantling of the PSB sector 1L1 is ongoing as planned. Several highly irradiated equipment has been removed. The next step is to remove BI.SMH and BHZ152. B. Mikulec asked about the alignment of the BHZs when put back. **A. Newborough** said that the current plan is to re-install them as they were. **Action for F. Antoniou to investigate if a different alignment of the BHZ will be beneficial for the post-LS2 operation.**

Decabling and cabling campaign advancing as planned.

Finemet installation:

- BRF1 and BRF2 have been cleaned up and the new structure put in place.
- Cavities in 6L1 have been removed. **J. Ferreira Somoza** added that also the vacuum chambers had to be removed to ease the (de-)cabling activities.
- **M. Haase** said that the next step is to clean up 5L1 and 13L1.

Renovation of the PSB cooling system. The work is starting today.

In summary all activities are currently advancing as planned with some slight faster pace in a few cases. The upcoming major works are the continuation of (de-)cabling activities, the survey measurement of the transfer lines, the clean-up of the RF and the removal of the remaining elements in 1L1.

3. Roundtable

A. Findlay reported that nobody has currently requested the injection RF timings. This is generally needed for BE-BI equipment. **B. Mikulec** said that it would be better to ask also other groups. This will require some cables to be pulled. **Action for B. Mikulec and G.P. Di Giovanni to link the relevant experts to A. Findlay to make sure that the request for such a signal is not forgotten.**

A. Findlay reported that two old phase BPMs for RF were supposed to be removed, so the cables have been disconnected, but they probably will stay, as their removal is not yet planned in the schedule. The BPMs are in 1L5 and 11L1. In case they stay BE-BI should terminate them in order to reduce the machine impedance. **Action for B. Mikulec and G.P. Di Giovanni to discuss with BE-BI the best course of actions.**

J. Ferreira Somoza mentioned that all vacuum chambers have been received and so the TE-VSC workflow is clear.

D. Hay reported that the Equipment Readiness document for LIU-PSB and Linac4-to-PSB connection, EDMS 1850459, has been updated thanks to the feedback from different experts. It will be released soon in view of the LIU Workshop mid February.

Minutes by *G.P. Di Giovanni* on 5th February 2019