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Towards a Baseline Installation Schedule

Eugene Tanke
Systems Engineer

www.europeanspallationsource.se

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What has been done so far

- An ACCSYS Installation, Testing and Commissioning (ITC) **Sequence** for Beam in 2019 has been developed and was presented at ACC TB12
- This ITC sequence is backed by more than 600 activities and milestones in MS Project
  - Since TB12 significant detail has been added related to activities required in the Klystron Gallery
- The list of Ready For Installation (RFI) milestones is now close to complete
  - This list forms the interface between the ITC Sequence and the official planning tool P6 (Primavera)
- ESS-0025640, which defines phases related to Installation, Testing and beam Commissioning, has been approved

Proposed path towards a Baseline Installation Schedule

- Use the ITC sequence as a guide for developing the resource loaded P6 installation plan and baseline
- In order to go forward with this, we would like to have 2 questions answered by the ACC TB

Q1: Does the ACC TB agree with the proposed beam commissioning sequence?

- The beam commissioning sequence was already presented at TB12:
  - ISrc-LEBT
  - ISrc-LEBT-RFQ-MEBT
  - ISrc-LEBT-RFQ-MEBT-DTL1
  - ISrc-LEBT-RFQ-MEBT-DTL1-DTL2-DTL3-DTL4
  - ISrc-LEBT-RFQ-MEBT-DTL1-DTL2-DTL3-DTL4-DTL5-SC Linac-HEBT-Dump
  - ISrc-LEBT-RFQ-MEBT-DTL1-DTL-SC Linac-HEBT-A2T-Target

- This sequence is a starting point; adjustments could be applied later as needed and if feasible through the appropriate change control process

Q2: Does the ACC TB agree with installing the last 2 MBL cryomodules untested?

- The reason for doing this was also presented at TB12:
  - Seen their delivery schedule, the time it takes to test them and the time it takes to complete subsequent required activities prior to beam, beam on target by June 2019 is highly unlikely
  - Even without these 2 cryomodules, the nominal beam energy would be 470 MeV on target