



Welcome to the HL-LHC BPM final design review

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Previous Review

- Conceptual HL-LHC BPM Design Review
 - Held on 17th May 2018
 - <https://indico.cern.ch/event/725045/>
- Summary & Actions presented to HL-TCC
 - 15th November 2018
- Documented in LHC-BPMSQTB-ER-0001
 - <https://edms.cern.ch/document/LHC-BPMSQTB-ER-0001>

Previous Review Resulted in:

- Agreed responsibility share between BE-BI, EN-SMM TE-VSC and TE-MSD for the mounting of the cold BPMs as per Memorandum EDMS [2105453](#)
- BPM Functional Specification as per EDMS [2394486](#)
 - Currently under review
- Design improvements
 - including BPM design check in a series of Vacuum Design Acceptance Meetings
- Detailed manufacturing studies

Aim of the Review today

- Confirm readiness to
 - ✓ start CERN internal manufacturing of fully compliant pre-series
 - ✓ hand over the design to BINP for preparing the production
 - ✓ Prepare for a Production Readiness review in Q1 2021
- Freeze the interfaces and integration aspects impacting all of these BPMs

Review Charge

- Does each BPM design meet the functional requirements?
- Is each BPM design sound and optimised for ease of production and cost?
- Is the BPM integration within each cryo-assembly well defined?
- Does the procurement and mechanics production plan promise a successful delivery?
- Are the project budget and schedule clear and in line with the HL-LHC project?

Reviewers & Contributors

Review Panel:

- M. Zerlauth (chair)
- V. Baglin
- P. Fessia
- T. Lefevre
- M. Bozzolan (scientific secretary)

Contributors:

- BE-BI: Gerhard Schneider, Dmitry Gudkov, Michal Krupa
- TE-VSC: Cedric Garion
- BINP: Alexander Krasnov

A big thank-you to you all!