

17IND02 SmartCom – Newsletter I/2019

Work and achievements in 2018

Laying the foundation for project communication

- Website for the project to disseminate the latest outputs to academic and industrial stakeholders (<https://www.ptb.de/empir2018/smartcom/home/>)
- Central email address for exchange and distribution of information (smartcom@ptb.de)
- Start to set up a network of collaborators in industry and projects in industrial digitalization

First steps in the definition of a universal format for the transfer of metrological data (to be continued in 2019)

- Analysis of directives regarding the reporting of measurement values
- Draft of a representation of measurement data that is digitally applicable and in accordance to the directives

Essential steps in the definition of a digital calibration certificate (DCC, to be continued in 2019)

- Development of a top-level XML structure for a machine-readable DCC comprising administrative data and measurement data
- Review of current and future requirements from the new ISO 17025
- Review of current and future requirements for calibration certificates as recommended by national accreditation bodies

Work planned for 2019

- Preparation of publicly available documentation and XML schemes on metrologically accurate data exchange and realization of DCCs
- Reinforcing the collaboration with partners from industry and other projects in industrial digitalization
- Organisation of International DCC Summit #1 in June 2019 aiming at implementing an ISO 17025 conform digital calibration certificates