

Inofficial translation; original: German

Physikalisch-Technische Bundesanstalt

Der Präsident



SELF-DECLARATION ON QUALITY MANAGEMENT

The Physikalisch-Technische Bundesanstalt (PTB) in Braunschweig and Berlin is the National Metrology Institute and the supreme technical authority of the Federal Republic of Germany for metrology. It comes under the auspices of the Federal Ministry of Economics and Technology.

Derived from the state's fundamental responsibility for the uniformity of metrology, PTB has a mandate which is of constitutional status. Its tasks result from its charter. They are based on laws, ordinances, and directives. The central task of PTB is to realize, to maintain and to disseminate the legal units in compliance with the International System of Units (SI). PTB thus is at the top of the metrological hierarchy in Germany.

PTB operates an integrated quality management system which covers the fields of activity "Research", "Measurements" and "Advising" in four interlinked fields of business: *Fundamentals of Metrology*, *Metrology for Economy*, *Metrology for Society* and *International Affairs*.

Due to the quality management system of PTB, the legal requirements as well as the requirements of **DIN EN ISO/IEC 17025** are complied with to the fullest extent and, thus, also the principles of **DIN EN ISO 9001**. All fields of activity of PTB comply with the **Recommendations of the Deutsche Forschungsgemeinschaft to ensure good scientific practice**. In addition, the requirements of **ISO Guide 34** are fulfilled for reference materials in the field of chemistry.

PTB fulfils the requirements for conformity assessment bodies and is Notified Body 0102 in accordance with European directives. Thereby, the requirements of **DIN EN 45 011** and the relevant standards of the **DIN EN ISO/IEC 17000** series are fulfilled.

All the requirements are the basis of an internal self-assessment ("review") process whose aim it is to permanently improve and maintain the high quality of PTB's services. This process is supported by the Kuratorium (Advisory Board) of PTB whose members are leading figures from economy, science and ministries. The permanent evaluation of the current spectrum of tasks and the focus on future questions have priority here.

PTB cooperates with other National Metrology Institutes - at the international level within the framework of the Metre Convention and the Organisation Internationale de Métrologie Légale (OIML), and at the European level with the European Association of National Metrology Institutes (EURAMET) and the Western European Legal Metrology Cooperation (WELMEC) - with the aim of ensuring the worldwide coherence of the measurement units.

In addition, PTB has signed a multilateral agreement (CIPM-MRA) for the mutual recognition of the national measurement standards and the respective result reports. It is based on an intensive exchange of research results, on comprehensive international comparison measurements, on the disclosure of results and measurement capabilities, and on the annual assessment of the quality management system by international experts from EURAMET.

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