

# Aspects of Applied Metrology

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## key words

metrology, parameters, measurements, standards, standards, reliability, certainty, accuracy

Modern studies of various phenomena and processes, and the development of efficient production and technological equipment and instruments require the use of methods and means of measuring physical, chemical, etc. parameters with high reliability, certainty, accuracy and reproducibility. Their achievement is impossible without a system of metrological support based on the results of research, comparative or comparative tests of standardization and the use of standards of measures, weights and other recorded parameters recognized by international authorized measuring and calibration laboratories. Permanent improvement of methodological support is achieved primarily through cross-comparative tests and calibrations. Thus, the metrological support system allows manufacturers and consumers of technical objects of various purposes anywhere in the world, including in space and in the ocean, to create and evaluate their properties and characteristics on the basis of uniform internationally prescribed and recognized principles. So, the effectiveness of the implementation of production processes controlled by technological parameters is achieved.

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