

“TASKS OF STANDARDIZATION IN THE FIELD OF METROLOGY”

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Abstract: Metrology is a scientific and technical field that supports the system of specific measurements, indications and standards. Standardization refers to the regulation of this field and the creation of guidelines, rules and requirements for measurements, specifications and standards.

The main tasks of standardization include:

Key words :completeness, processes, organizational problems, organizational structures

-Ensuring the order of measurements and displays: Standards determine the methods of measurement and displays, tools and the procedure for their use. This is necessary for the correctness, accuracy and uniformity of measurement processes.

- Layering and impact minimization: Standards help minimize measurement errors and uncertainties. In this process, the necessary standards and methods are provided so that errors can be quickly and accurately identified, corrected, and corrected processed.

-Training and training of qualified personnel: Standards are also important in the training of personnel in the field of metrology. Standards help ensure learning and adherence to the skills used in performance measurement and analysis.

- Quality and production assurance: standardization plays an important role in ensuring the quality of products and services. Standards provide parameters, specifications and requirements that define quality and completeness. It helps to provide users with high quality products and services.

- Resolve organizational problems and manual requirements: Assist in solving organizational problems and manual requirements in the field of standards, metrology. These will be the main guides for manuals, laboratories, measuring centers and other organizational structures.

- International cooperation and recognition: The role of standardization in ensuring cooperation between countries with the same standards is also important. Through international standards and standardization systems, information exchange and work units can be ensured between different countries.

The tasks of standardization in the field of metrology provision, ensuring order in measurements, indications and standards, layering and minimization of impact, training of personnel, quality assurance, solving organizational problems and manual

requirements, and international includes cooperation and recognition. These tasks of standardization are important in ensuring correct and efficient business processes in the field of metrology. Adherence to standards minimizes problems with measurements, displays and standards, increases skills and improves quality assurance. Also, international standards open up effective ways of working units and information exchange between countries.

These standardization tasks in the field of metrology are carried out by governments, industry experts and standardization organizations, and other organizations and industry representatives in the field can also apply.

The tasks of standardization, the correct implementation in the field of measurements, indications and standards, the improvement of the quality of production in the field of metrology information and measurement and indication processes, quality assurance and work units provides important results such as ensuring recognition.

It is also necessary to adapt to innovations and developments in the field of standards, measurements and indications, thus the standardization process must be constantly updated to meet new requirements and technologies.

Standardization based on these tasks will be of great importance in the development of work in the field of metrology and the provision of high-quality products and services.

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