

REGULATION OF PROCESS «CONTROL OF MONITORING AND MEASURING DEVICES»

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Introduction. Today improve the competitiveness of domestic production enterprises is an urgent matter of national importance, because the economy is closely linked to increased requirements for product quality as one of the main factors ensuring the competitiveness of products and services in the developed world.

To successfully run a business, you need to work on the rules of the world market not only in terms of production technology, but also in the management of the enterprise.

Aim. Our research has focused on the issue of regulation of process «Control of monitoring and measuring devices». Since Ukraine joined the World Trade Organization, certificates of compliance with ISO gaining relevance. Solving problems of quality control should be provided quality management system in accordance with the requirements of ISO 9001: 2015 (ISO 9001: 2015).

Development, implementation and certification of quality management system the company is not only demanding clients but also becomes a tool for optimizing internal processes, which in turn leads to higher product quality, reduce costs and increase in profits.

Materials and methods: experimental and theoretical methods: logical analysis, the hypothetical synthesis of theoretical generalizations; empirical methods (observation, comparison).

Results and discussion. Internal results received by the organization from implementing a quality management system directly depend on the efforts it is making to improve its activity.

External benefits the organization receives when certifies its quality management system by an independent competent authority for certification.

Important elements of quality assurance is the production processes at the plant, each of which is characterized by a number of parameters which often involved measuring equipment.

These settings should be changed only set limits to support the process in specified operating conditions and to provide relevant product characteristics.

Parameters process, semi-finished and finished products should be measured. Measuring in production intended for information on the status of the process.

Metrological support system must solving measuring tasks, provide reliable information about production values processes.

As a result, industrial production and its metrological support having significant flow measurement, background information about the quality of the final product. Obviously, the production efficiency and product quality level is largely determined by how efficiently the company uses information on the production process.

Conclusions. A quality assurance and metrological support of production are interrelated and determine the required accuracy of all the properties and conditions at each stage of the production process. Metrological provision of production covers all stages of the product life cycle, from the stage of research and experimental development activities, including:

- analysis of measurements;
- establishing a rational range of measured values and the use of measuring instruments (working and reference) due accuracy;
- providing verification and calibration of measuring instruments (W);
- Development of methods of measurement for the standards of accuracy;
- metrological examination of design and technological documentation;
- implementation of necessary regulations (national, sectoral and enterprise standards);
- accreditation for technical competence of staff;
- metrological supervision.

Current legislation in the field of metrology quality assurance requires all companies to control product quality during production, commodity, planning, and ensure efficient use of measuring instruments that are used.

In addition, the law established the responsibility of heads of enterprises for the selection of the right measurement technology and for its timely verified.

Metrological support system must solving measuring tasks, provide reliable information about production values processes.

Most of the enterprises undertaken to organize and improve metrological support of production can be divided into two groups:

- Measures cover organizational issues related to the organization of work on performance measurement, creation of documentation for processing and use of the information received, ensuring the training of qualified personnel in the field of measurement and further improve their skills.
- Measures relating to the logistics supply sides consider necessary BT, to ensure their proper operation, repair and calibration VT.

In view of the above, in the course of our research thesis project we plan to develop SOPs for the management of measuring equipment, analysis and systematization of possible errors during the process and develop proposals to minimize the risks of the process.