

PROTOCOL
on Conducting Coordinated Policy in the Sphere of Ensuring
Uniformity of Measurements

1. This Protocol was developed in accordance with Section X of the Treaty on the Eurasian Economic EAEU and defines the principles of implementation by the member States of agreed policies in the area of traceability to ensure comparability of measurements and results of assessment (confirmation) of conformity with the technical regulations of the EAEU and measurements of quantitative indicators of the products.

2 . Definitions used in this Protocol are as follows:

"attestation of measurement methodologies (methods) " means research and demonstration of compliance of methodologies (methods) of measurement with metrology measurement requirements ;

"Unit value" means the value of fixed size, which is conventionally assigned a numerical value of one, and which is used to quantify the units homogeneous with it;

"unity of measurements" means the state of measurements in which the results of these measurements are expressed measurement units allowed for use in the member States and accuracy of measurements indicators do not go beyond the established boundaries;

"Dimension" means the process of experimentally obtaining one or more quantitative values of the quantity that can reasonably be attributed to the quantity;

"Calibration of a measuring means" - a set of operations that establish the relation between the values obtained by using the measurement means and quantity value reproduced using the standards of units of the same kind, in order to determine the actual metrological characteristics of measuring means;

"International System of Units (SI) " means a system of units adopted by the General Conference on Weights and Measures , based on the International System of units and includes the names and designations, set of prefixes, their names, designations and rules;

"Methodology (method) of Measurement" - a set of specific operations described in the measurement, the implementation of which provides the measurement results with the established parameters of accuracy;

"Metrological traceability" means property of a measurement result whereby the result can be correlated with national (primary) standard through a documented unbroken chain of calibrations and verifications;

"Metrological expertise" - analysis and evaluation of the correctness and completeness of the application of metrological requirements , rules and regulations related to the unity of measurements;

"National (primary) standard" means the standard unit of value, recognized by a member State for use in public or economic activity as a basis for attributing values of other standards of quantity units of the same kind;

"Verification of measurement tools" means a set of operations performed in order to confirm the conformity of measuring tools to the mandatory metrological requirements;

"Reference methodology (method) of measurements" means the methodology (method) of measurements used to obtain measurements that can be used to assess the accuracy of the measured quantity values obtained by other methodologies (methods) of measurement for the quantities of the same kind, as well as calibration of means of measurements or for characterization of reference samples;

"Comparison of standards" means the establishment of the relationship between the measurements during playback and transmission of unit of measurements by standards of units of one level of accuracy ;

"Measuring device" means the technical means for measuring, that has metrological characteristics;

"Standard model" means the material (substance) with established performance measurement accuracy and metrological traceability, sufficiently homogeneous and stable

with respect to certain properties in order to use it in the measurement or estimation of qualitative properties in accordance with the intended use;

"approval of a type of a measuring device" means the decision of a public authority of the member State in the field of ensuring unity of measurements on permission to apply of an approved type of measuring device on the territory of a member State on the basis of positive test results;

"approval of the type of standard sample " means the decision of a public authority of the member State in the field of ensuring unity of measurements on the permission to apply the standard sample type on the territory member State on the basis of positive test results;

"value scale" means an ordered set of values of the quantity serving as a reference for measuring the corresponding value;

"unit of value standard " means a technical device (set of tools) intended for reproduction, storage and transmission of unit size or value scale.

3 . Member States shall conduct a coordinated policy in the field of ensuring uniformity of measurements through the harmonization of legislation of member States in the area of traceability and concerted action that ensure:

1) the establishment of mechanisms of mutual recognition of work in the area of ensuring uniformity of measurements through the adoption of rules for mutual recognition of the results of work to ensure uniformity of measurement;

2) the use of standards of unit value, measurement devices, reference materials and certified methodologies (methods) for which member States provided metrological traceability obtained their results using the International System of Units (SI) , national (primary) and standards (or) to international standards units;

3) the mutual provision of information in the area of ensuring uniformity of measurements, contained in the existing information funds of member States;

4) application of the coordinated procedures of work in the area of ensuring uniformity of measurements.

4. Member States shall take measures aimed at the harmonization of the legislation of member States in the area of ensuring uniformity of measurements in relation to

establishment of the requirements to measurements, value units, standards of value units, and scales of values, measurements devices, reference samples, methodologies (methods) of measurements based on the documents adopted by international and regional organizations on metrology and standardization.

5. Member States shall carry out mutual recognition of the results of work in the area of ensuring uniformity of measurements, conducted by the public authorities or legal persons of member States authorized (notified) in accordance with the legislation of its state to perform activities in the area of ensuring uniformity of measurements according to the approved procedures for conducting this works and rules of mutual recognition of works to ensure uniformity of measurements.

Recognition of the work in the area of traceability is performed with respect to measuring instruments manufactured in the territories of member States.

6. To ensure metrological traceability of measurement results, value unity standards, reference samples of the member States to national (primary) standards and the International System of Units (SI), the member States shall organize the work on establishment and improvement of standards of value units, identification and development of nomenclature of standard samples, establishment of the equivalence of value unit standards of member States through their regular comparisons.

7. Normative legal acts of the member States, regulatory and international instruments , international treaties of the member States in the area of ensuring uniformity of measurements, certified methodologies (methods) of measurement, measuring devices in the regulated areas of the member States , information on value unity standards and value scales, approved types of standard samples and approved types of measuring devices form information funds of the member States in the area of ensuring uniformity of measurements.

Maintenance of information funds is carried out in accordance with the legislation of the member States, mutual provision of information contained in the information funds is organized by public authorities of the member States referred to in paragraph 5 of this Protocol, in the manner prescribed by the Commission.

8. Member States shall authorize with the relevant functions the state authorities in the area of ensuring uniformity of measurements, who hold consultations aimed at coordinating the positions of the member States, and shall coordinate and carry out works in the area of ensuring uniformity of measurements.

9. Commission approves the following documents:

1) the list of off-system value units used in the development of technical regulations of the EAEU , including their relations with the International System of Units (SI);

2) the rules of mutual recognition of works to ensure uniformity of measurements;

3) the orders of conducting works in the area of ensure uniformity of measurements, including :

procedures for metrological examination of draft technical regulations of the EAEU, the draft list of standards the use of which, on a voluntary basis, ensures compliance with the technical regulations of the EAEU, the draft list of standards containing rules and methods of research (tests) and measurements, including the rules of sampling necessary for the application and enforcement of the technical regulations of the EAEU and of conformity assessment of objects of technical regulating;

procedure of organization of inter-laboratory comparison tests (inter-laboratory comparisons);

procedure of metrological attestation methodology (method) of measurement;

procedure of attestation of methodology (method) of measurement considered as reference methodology (method) of measurement;

procedure for approval of the type of measuring device;

procedure for approval of the of standard sample;

procedure of organization of verification and calibration of a measuring instrument;

4) the procedure for mutual provision of information in the area of ensuring uniformity of measurements, contained in the information funds of the member States .