

Pursuant to Article 13 of the Metrology Law (Official Gazette of Republic of Macedonia No. 55/2002 and 84/2007), the Minister of Economy hereby adopts a

RULEBOOK ON THE CONDITIONS FOR ESTABLISHMENT, CONSERVATION AND MAINTENANCE OF THE NATIONAL MEASUREMENT STANDARDS AND CONDITIONS FOR RECOGNITION OF THE REFERENCE MEASUREMENT STANDARDS AS NATIONAL MEASUREMENT STANDARDS

Article 1

This Rulebook shall prescribe the closer conditions for establishment, conservation and maintenance of the national measurement standards and conditions for recognition of the reference measurement standards as national measurement standards.

Article 2

The system of national measurement standards in the Republic of Macedonia shall be based on establishing national measurement standards as measurement units of the International System of Units (SI), in order to ensure traceability of as many as many as possible calibrations and measurements.

The Metrological Council of the Metrology Bureau shall establish an expert body for assessment of the priorities and needs for establishment of a national measurement standard for the certain measurement unit.

Article 3

The national measurement standards shall:

- be measurement standards with highest accuracy and ensure minimum uncertainty for a certain physical quantity;
- ensure dissemination of the measurement units, in the required area of physical quantity, with minimum uncertainty;
- ensure economical and continuous working of the metrology system, in accordance with the national needs and capabilities.

Article 4

With regard to national measurement standards, the Metrology Bureau shall plan and ensure traceability of the measurements at international level and the dissemination of the measurement units of each physical quantity.

Article 5

The Metrology Bureau can recognise, with a decision, an established reference measurement standard, as a national measurement standard, upon prior expert opinion of the Metrological Council within the Metrology Bureau.

The Metrology Bureau shall enforce the procedure for recognition of the reference measurement standards as national on the basis of a request and an elaboration, both submitted by a legal entity that is bearer of a reference measurement standard.

Article 6

For recognition of a national measurement standard, the legal entity that establishes, conserves and maintains the measurement standard should:

- have accreditation for performing calibration, needed for maintenance of measurement traceability in accordance with the appropriate standard;
- have laboratory premises, measurement standards, auxiliary equipment, needed for maintenance of the metrological properties;
- have at disposal expert staff for providing measurement traceability, measurement methods, measuring instruments and IT equipment;
- have technical literature of the appropriate field of metrology;
- have a complete review of the condition of the immediate, short-term and long-term needs for performing calibration on the highest level in the Republic of Macedonia and world wide;
- maintain the level of measurement uncertainty in the measuring range of the physical quantity, for which it has been accredited;
- have a complete strategy for development of the calibration activity in its own metrological laboratory, according to the needs in the Republic of Macedonia;

The legal entity should receive accreditation from the appropriate accreditation body, which is signatory of an appropriate agreement for mutual recognition of accreditation certificates.

Article 7

The bearer of the national measurement standard should conserve the measurement standard and maintain its traceability by means of:

- periodical calibrations of the national measurement standard with international or national measurement standards of other countries of higher level;
- inter-comparison of the national measurement standard;
- regular maintenance of the needed auxiliary equipment for the measurement standard.

Article 8

With the measurement standards equipment, the bearer of the national measurement standard should:

- make calibrations of measurement standards on second hierarchical level;

- take part in the drafting of the national hierarchical charts of the measurement traceability ;
- be active in the field of metrology that is connected to the appropriate physical quantity, follow the world trends, adjust to them in coordination with the Bureau;
- follow the metrology needs in the Republic of Macedonia;
- take part in international projects in metrology and inter-comparisons, within the frames of its capabilities;
- fulfil it's obligations, indicated in the Contract concluded with the Metrology Bureau.

Article 9

The bearer of the national measurement standard should use the national measurement equipment, with status of a national measurement standard, for:

- dissemination of measurement unit;
- maintenance of measurement traceability;
- inter-comparison and cooperation in international and national projects;
- research activities connected to improving of metrological properties;

Article 10

The bearer of the national measurement standard shall conclude a insurance contract from damages that could be inflicted to a third party as a result of his activities, in order to insure the national measurement standard and other equipment needed for maintenance of measurement traceability, in case of defects or damage during the usage or transport.

Article 11

The Bureau shall monitor the performance of the activities as well as the realisation of the obligations of the bearer of the national measurement standard. On the basis of the submitted documentation by the bearer of the national measurement standard and the performed check of the quality system, as well as the inter-comparison results, if the Bureau evaluates that the conditions of this Rulebook have not been met, the decision for recognition of the national measurement standard and the contract referred to in Article 12 of this Rulebook, and upon prior expert opinion of the Metrology Council, it shall repeal the decision for the national measurement standard.

Article 12

The Bureau and the bearer of the national measurement standard shall conclude a contract that lays down:

- the manner of financing of the activities, related to the national measurement standard;
- the owners relations regarding the equipment, if it is co-financed by the Bureau;
- the insurance, that must be concluded by the bearer of the national measurement standard;
- the documentation, that the bearer of the national measurement standard must submit to the Bureau;
- the best measurement capacities;
- the procedure for informing the Bureau about the changes, related to performance of the activities and the fulfilment of the obligations of the bearer of the national measurement standard, provided in the provisions of this Rulebook;
- the list of experts referred to in Article 6, indent 3 of this Rulebook, with mandatory indication of the responsible person for the laboratory and deputy thereof;
- the manner of extension of the contract;
- and the other conditions provided in this Rulebook.

The document for accreditation of the calibration laboratory shall be an integral part of the contract.

Article 13

This Rulebook shall enter into force on the eighth day from the day of its publication in the Official Gazette of the Republic of Macedonia.

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Skopje

Minister,
Fatmir Besimi