

# COOMET Strategy for 2020-2025

## 1. Introduction

COOMET is a forum of metrologists of Euro-Asian region and other regions, national metrology institutions of which are members of COOMET. COOMET is officially recognized as a regional metrology organization (RMO) and a regional legal metrology organization (RLMO). Currently COOMET members include national metrology institutions of 21 countries.

Cooperation within COOMET and its outcomes allow member countries to succeed in meeting metrological challenges, faced by a national economy in the globalized market, which is necessary to facilitate and accelerate the international exchange of goods and services.

In order to enhance the effectiveness of COOMET as a RMO, a comprehensive analysis of the results and better understanding of the fields of cooperation, their structuring and prioritizing, formulation of the policy framework, new strategic tasks and fields in today's rapidly changing environment are required.

In the process of COOMET development it's now high time to analyze and sum up its experience and results of cooperation over the past years and to conceptualize further development areas in view of many influencing factors, including objective trends of development of human society, globalization of the world economy and needs for internal organizational development.

It's necessary to recognize and assess the place and role of COOMET in the system of RMOs, to improve the methodology and organization of activities of steering, structural and working bodies of COOMET, to predict for the medium term relevant tasks of cooperation in its most important fields. There is also a need to define possible ways for COOMET transformation at the structural and organizational levels, possible ways of addressing economic and other problems related to the activities of the organization, including the issues of the institutional status of the organization.

This Strategy shall serve a basis for the activities of all participants of cooperation within COOMET for a common interpretation of the objectives, development areas and tasks of our RMO, for the development of the fields of interaction of COOMET with international, regional and national metrology organizations, a basis for drawing up COOMET plans and programs of cooperation.

## 2 Vision of COOMET

Efficient, representative, competent regional metrology organization, recognized by the international community.

## 3 Mission of COOMET

Raising the level of metrology development, support and expansion of an integrated measurement infrastructure for countries in the Euro-Asian region and other interested countries that makes it possible for every national metrological institute to promote innovation, competitiveness, trade, consumer safety, sustainability and ensuring international recognition.

#### 4. Strategic tasks

In order to implement the Vision and Mission COOMET shall address seven strategic tasks:

##### **A. Facilitation of international recognition of national measurement standards**

Traceability to measurement standards plays a crucial role in different areas of economy and social activities, and its role is ever-expanding in the context of globalization.

Confidence in measurements in COOMET countries is guaranteed exactly by national metrology institutes (NMIs) and designated institutes (DIs) of COOMET member countries, which confirm the equivalence of the national base of measurement standards of the state through participation in the implementation of the CIPM MRA. This field is one of the priority areas for COOMET, as for a RMO. Facilitation of the redefinition of the International System of Units (SI) in COOMET member countries is also an integral part of international recognition of national measurement standards.

The following actions to achieve Task A are determined:

- **A.1.** Participation of NMIs and DIs of COOMET member countries in the implementation of the CIPM MRA;
- **A.2.** Participation of COOMET in JCRB activities;
- **A.3.** Participation in the update of CIPM MRA documents and update of the COOMET publications concerning the issues of the CIPM MRA implementation;
- **A.4.** Facilitation of the SI redefinition in COOMET member countries.

##### **B. Facilitation of recognition of QMS of NMIs/DIs of COOMET member countries**

One of the significant fields of cooperation within COOMET includes works on the establishment, maintenance and development of QMS of NMIs/DIs of COOMET member countries. This activity is aimed at the implementation of the requirements of the CIPM MRA in terms of introduction and application of QMS in accordance with the requirements of ISO/IEC 17025, ISO 17034.

The following actions to achieve Task B are determined:

- **B.1.** Facilitation of the introduction of international standards (ISO/IEC 17025:2017 and ISO 17034:2016) into working practices of NMIs and DIs of COOMET member countries;
- **B.2.** Conduct of peer reviews of QMS of NMIs and DIs of COOMET member countries;
- **B.3.** Training of auditors and technical experts for peer reviews of QMS of NMIs and DIs of COOMET member countries;
- **B.4.** Development of special requirements (criteria) for QMS of NMIs and DIs.

##### **C. Support of COOMET member countries in gaining the status of membership in the Metre Convention**

Being a full member of the Metre Convention allows countries:

- to increase confidence in measurements and tests, performed in the country;
- improve the quality and competitiveness of manufactured products and rendered services and increase the level of confidence in the results of their quality proof;
- create a technical basis for participation in international arrangements on the conformity assessment of products, works and services.

Economic viability of participation in the Metre Convention is justified by the processes of globalization of the international market of products and services, among the conditions of which is ensuring confidence in performed measurements and tests. Participation in the Metre Convention makes it possible to remove technical barriers in trade, minimize costs for the confirmation of conformity of mutually supplied products. Being a member of the Metre Convention allows NMI and DI of COOMET member countries to participate in the activities of Consultative Committees of the International Committee for Weights and Measures (CC CIPM).

The following actions to achieve Task C are determined:

- **C.1.** Informing of National bodies for metrology of COOMET member countries about the benefits of joining the Metre Convention on behalf of COOMET President;
- **C.2.** Increased participation of representatives of NMIs/DIs of COOMET member countries in the activities of CIPM CCs.

#### **D. Facilitation of international practice in legal metrology**

Dissemination of international practice in legal metrology, promoted by OIML and other RLMOs, is an important area of the COOMET activity as a regional legal metrology organization in COOMET member countries.

Strategic objectives of cooperation:

- preparation of COOMET recommendations on the basis of OIML publications for their subsequent implementation in national documents (standards) of COOMET member countries in order to harmonize technical requirements for measuring instruments and approaches to their metrological control;
- removal of technical barriers in selling measuring instruments;
- bringing national legal metrology systems of COOMET member countries in conformity with international recommendations;
- foster the exchange on legal metrology between the COOMET member countries.

The following actions to achieve Task D are determined:

- **D.1.** Preparation of a COOMET Plan for the translation of OIML publications into Russian;
- **D.2.** Application of publications of OIML, WELMEC and other RLMOs in working practices of COOMET member countries;
- **D.3.** Holding of training seminars and conferences under the auspices of COOMET on the issues of legal metrology.

#### **E. Facilitation of advanced training and knowledge transfer in COOMET member countries**

Effective knowledge management (gathering, development, sharing of best practices in metrology and their application), and promoting its dissemination in COOMET member countries, including countries and economies with emerging metrology systems (CEEMS), is an important area of COOMET activity.

The following actions to achieve Task E are determined:

- **E.1.** Holding of training seminars, conferences, competitions, roundtables under the auspices of COOMET;
- **E.2.** Preparation of the information about the possibilities of holding traineeships for experts from NMIs and DIs of COOMET member countries and monitoring of their participation;
- **E.3.** Ensuring access of countries with emerging metrology systems (CEEMS) to training activities and traineeships.

## **F. Organization of innovative scientific research in the field of metrology**

This is a prospective area, since organization and implementation of scientific projects have been neglected within COOMET. Making proposals on the fields of innovative research in metrology of NMIs/DIs of COOMET member countries and implementation of the appropriate scientific projects within COOMET will contribute to enhanced cooperation between NMIs/DIs of COOMET member countries and other RMOs in the field of research and development. Assessment of potential funding sources and requirements of internal and external donors for implementation of such projects will allow to draw up a more large-scale Program of innovative scientific research within COOMET.

The following actions to achieve Task F are determined:

- **F.1.** Making proposals on the fields of innovative research of NMIs/DIs of COOMET member countries in metrology and implementation of the appropriate scientific projects;
- **F.2** Development of scientific cooperation of COOMET NMIs/DIs with NMIs/DIs of other RMOs;
- **F.3.** Making proposals on the inventory of bilateral scientific projects, implemented in NMIs/DIs of COOMET member countries.

## **G. COOMET internal development and external representation**

This task is aimed at improvement and enhanced efficiency of the COOMET operation as a regional organization. In order to meet it the following shall be provided: internal organizational development (with regard to both steering bodies of COOMET (COOMET Committee, Presidential Council) and structural bodies and Secretariat), visibility of COOMET activities at national and international levels, increased awareness of the trends and progress of international cooperation in metrology, establishment of effective relationship with various interested metrology organizations, exchange of information within COOMET, dialogue among the participants of cooperation about the objectives of COOMET (which may be corrected as a result of internal and external events), institutionalization of COOMET. This task is of great importance for enhancing the relevance and effectiveness of COOMET activities as an active participant of the international metrology system, which is crucial for understanding and representation of interests of NMIs/DIs of COOMET member countries at the international level.

The following actions to achieve Task G are determined:

- **G.1.** Addressing the issue of the institutional status of COOMET
- **G.2.** Performance of works on the improvements of activities of COOMET steering and structural bodies;
- **G.3.** Carrying out activities for promoting/greater visibility of COOMET activities and its relevance at the national and international level;
- **G.4** Enhancing mutually beneficial cooperation of COOMET with external metrology organizations.