

2022 | COOMET DIRECTORY

as of 31 March 2022



This edition of the COOMET Directory was prepared by the acting COOMET Secretariat and published in two versions, Russian and English, the official languages of COOMET. The information about metrology infrastructure in the COOMET Member Countries was updated and kindly provided to the COOMET Secretariat by these countries.

Your questions or remarks concerning the material given in the Directory are welcome to coomet@belgim.by

The electronic version of the COOMET Directory is available:

- on the COOMET web-portal at www.coomet.net
- and on the COOMET website at www.coomet.org

COOMET Secretariat:
Belarusian State Institute of Metrology (BelGIM)
Starovilensky trakt, 93
220053, Minsk, Republic of Belarus
Phone/Fax: +375 17 378 75 40
Email: coomet@belgim.by



CONTENTS

Information about COOMET	5
Memorandum of understanding (document COOMET D1/2020)	8
COOMET structure	14
COOMET Structure (scheme).....	15
COOMET President and Secretariat.....	16
COOMET Vice-Presidents	17
COOMET Committee Members	19
Heads of COOMET Structural Bodies.....	24
National COOMET Secretariats	27
Rules of Procedure	29
Rules of Procedure (document COOMET D2/2021)	30
COOMET projects	36
Proposed COOMET Project.....	37
Agreed COOMET Project.....	39
COOMET Project Progress/Final Report	41
Organizational Scheme of COOMET Projects	43
Representatives of Member Countries in the COOMET Structural Bodies	44
(COOMET structural bodies members)	44
ARMENIA.....	45
AZERBAIJAN.....	47
BELARUS	48
BOSNIA and HERZEGOVINA.....	49
BULGARIA.....	50
CHINA.....	51
CUBA.....	52
GEORGIA	54
GERMANY.....	55
KAZAKHSTAN	57
KYRGYZSTAN.....	58

LITHUANIA	60
MOLDOVA	61
RUSSIA.....	63
SLOVAKIA	66
TAJIKISTAN.....	67
TURKEY	68
UKRAINE	69
UZBEKISTAN	71
Information on the organization of metrological activities of COOMET member countries.....	72
Additional information.....	136
COOMET Publications	137
COOMET Committee Meetings	142
Acronyms for the names of National Bodies for Metrology, NMIs and DIs of COOMET member countries....	144
Acronyms for the names of international and regional metrology organizations	146



INFORMATION ABOUT COOMET

COOMET is a regional organisation originally establishing cooperation of national metrology institutions of the countries of Central and Eastern Europe. It was founded in June, 1991 and renamed as **Euro-Asian Cooperation of National Metrological Institutions** in May, 2000. COOMET is officially recognized as a regional metrology organization (RMO) and a regional legal metrology organization (RLMO). COOMET is open for any metrology institutions from other regions to join as associate members.

Currently the members of COOMET are metrology institutions of *Armenia, Azerbaijan, Belarus, China* (Associate Member), *Bosnia and Herzegovina* (Associate Member), *Bulgaria, Georgia, Germany* (Associate Member), *Kazakhstan, Kyrgyzstan, Cuba* (Associate Member), *Lithuania, Moldova, Russia, Slovakia, Tajikistan, Turkey* (Associate Member), *Uzbekistan* and *Ukraine*.

Vision of COOMET

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

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.

The objectives of COOMET are as follows:

- assistance in effectively addressing the problems relating to uniformity of measures, uniformity of measurements and the required accuracy of their results;
- assistance in promoting cooperation of national economies and eliminating technical barriers in international trade;
- harmonisation of activities of metrology services of Euro-Asian countries with similar activities in other regions.

The basic activity of COOMET is cooperation in the following areas: measurement standards of physical quantities, legal metrology, quality management systems, information and training.

COOMET countries cooperate in the following subject fields: acoustics, ultrasound, vibration; electricity and magnetism; flow measurement; ionising radiation and radioactivity; length and angle; mass and related quantities; photometry and radiometry; physical chemistry; thermometry and thermal physics; time and frequency; reference materials; general questions concerning measurements (general metrology); legal metrology; quality management systems; information and information technology; training and raising proficiency level of experts; joint scientific research in the field of metrology.

In its activities COOMET is guided by **the Memorandum of Understanding (MoU)** and **Rules of Procedure**.

The supreme body of COOMET is **the COOMET Committee** consisting of Heads of national metrology institutions from COOMET Member Countries, or their representatives. The Committee organises and promotes cooperation. The Committee meets at least once a year.

The COOMET President is elected by the Committee from among its Members for a three year period with an option of one more term of office. The President provides **the COOMET Secretariat** by using resources of his/her own institution.

The President proposes candidates of **COOMET Vice-Presidents** from among the Members of the Committee for further approval by the Committee. The President, Vice-Presidents and Head of the COOMET Secretariat constitute **the COOMET President's Council**, which decides upon the COOMET policy, interacts with international and regional metrology organisations, coordinates cooperation in the period between the Committee meetings and distinguishes problems to be discussed at these meetings.

Organisation of work in the basic fields and directions of cooperation is the major task of **the Structural Bodies of COOMET (the Joint Committee, Technical Committees, and Quality Forum)**.

The Joint Committee consists of the Chairs of the Technical Committees on the types of measurements (Acoustics, Ultrasound, Vibration; Electricity and magnetism; Flow measurement; Length and angle; Mass and related quantities; Photometry and radiometry; Physical chemistry; Ionizing radiation and radioactivity; Thermometry and thermal physics; Time and frequency), as well as the Chairs of the Technical Committee on General questions concerning measurements (General Metrology) and the Technical Committee on Reference materials.

The Committee Members appoint their representatives to the Structural Bodies of COOMET (**Technical Committees, Quality Forum**), which become official Structural Bodies members. Those official Structural Bodies members propose a candidate for the position of **the Chair of a Structural Body** for its further approval by the COOMET Committee.

The Structural Bodies can establish **Subcommittees (SCs)** for working on routine tasks of cooperation and **Working Groups (WGs)** within corresponding SCs/TCs for carrying out specific work on COOMET projects.

The official languages for the COOMET meetings and documents are **Russian** and **English**.

COOMET has no financial assets of its own.

By its scope of cooperation COOMET belongs to organisations of a multi-purpose type.

The activities of COOMET are carried out with **the Strategy for 2020-2025. Strategic tasks:**

- A. Facilitation of international recognition of national measurement standards.
- B. Facilitation of recognition of QMS of NMIs/DIs of COOMET member countries.
- C. Support of COOMET member countries in gaining the status of membership in the Metre Convention.
- D. Facilitation of international practice in legal metrology.
- E. Facilitation of advanced training and knowledge transfer in COOMET member countries.
- F. Organization of innovative scientific research in the field of metrology.
- G. COOMET internal development and external representation.

The implementation of these tasks is carried out by COOMET Development Programmes for a period of three years approved by the COOMET Committee.

An important prerequisite of COOMET effectiveness is the collaboration in all fields of activities. Jointly realised projects are the core elements of **the COOMET Working Programme**.

Nowadays the main attention is paid to the cooperation in the field of measurement standards, in particular to the implementation of the CIPM Arrangement on Mutual Recognition of National Measurement Standards and Calibration and Measurement Certificates Issued by National Metrology Institutes (CIPM MRA). Therefore, the majority of the COOMET projects are dedicated to the preparation of information on calibration and

measurement capabilities (CMC), participation in key comparisons of national measurement standards organised by CIPM and organisation of regional comparisons of measurement standards, as well as creation and implementation of Quality Management Systems of the National Metrology Institutes and Designated Institutes of COOMET Member Countries.

The subjects of cooperation of COOMET Member Countries in the field of **legal metrology** encompasses a broad range of problems, starting with harmonisation of the national requirements in the area of legal metrology in the Member Countries and ending with such applied problems as testing of software for measuring instruments, control of prepackages.

COOMET activities in the field of **information support and training** are also substantially related to the implementation of the CIPM MRA (e.g. in developing software for the CMC database and comparisons of measurement standards of the NMIs and Designated Institutes of COOMET Member Countries). It is also aimed at the exchange of training programmes for experts in the area of metrology, development of exchange programmes for experts in COOMET countries, determination of criteria for assessing scientific papers of young metrologists, etc. An important activity is holding (once every two years) of the competition "The Best Young Metrologist of COOMET".

COOMET is a member of the Joint Committee of the Regional Metrology Organisations and the BIPM (JCRB) and keeps close relations with OIML according to the Agreement with the International Bureau of Legal Metrology (BIML) signed in 1993.

COOMET cooperates with the following Regional Metrology Organizations:

- European Association of National Metrology Institutes (EURAMET),
- Asia-Pacific Metrology Programme (APMP),
- Intra-African Metrology System (AFRIMETS),
- Inter-American Metrology System (SIM),
- GULF Association for Metrology (GULFMET).

Based on mutual interests, COOMET also cooperates with metrology organisations such as:

- European Cooperation in Legal Metrology (WELMEC),
- Asia-Pacific Legal Metrology Forum (APLMF),
- Euro-Asian Council for Standardization, Metrology and Certification (EASC),
- National Conference of Standards Laboratories International (NCSLI),
- International Measurement Confederation (IMEKO).

COOMET is a joint forum of metrologists of Euro-Asian region, effectively working regional metrology organisation which successfully fulfils its tasks according to approved long term programmes. Cooperation within COOMET and its outcomes allow its 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.



MEMORANDUM OF UNDERSTANDING



DOCUMENT COOMET D1/2020

MEMORANDUM OF UNDERSTANDING

The National Metrology Institutions on behalf of which this Memorandum has been signed **considering**

- the territorial proximity of the Countries and their mutual economic relations;
- the need to permanently improve metrological services for the benefit of economic and scientific relations;
- the similarity of their structures and the operational principles of their National Metrology Services;
- their combined experience and the results of their previous bilateral and multilateral cooperation;
- their willingness to more closely cooperate with international and regional metrology organisations

declare their intention to cooperate in the field of measurement standards of physical units, calibration, legal metrology, quality management systems, information technology and training in the field of metrology within the COOMET organisation given below.

Section 1 – COOMET Members

COOMET is an organisation for the Euro-Asian cooperation of National Metrology Institutions (from the countries of Central and Eastern Europe, Asia and nearby countries) and is open to the National Metrology Institutions of countries from other regions to join it.

Section 2 – COOMET Objectives

The objectives of COOMET are as follows:

1. To contribute to effectively solving problems of the uniformity of measures, uniformity and required accuracy of measurements.
2. To contribute to establishing closer cooperation between the national economies and removing technical barriers to international trade.
3. To harmonise the activities of Metrology Services on the basis of international arrangements.

Section 3 – COOMET Tasks

The tasks of COOMET are to strengthen the links between the National Metrology Institutions interested in solving common problems and to create effective mechanisms in order to:

- achieve compatibility of measurement standards and harmonise the requirements imposed on measuring instruments and methods for their metrological control;
- recognise the equivalence of national certificates authenticating the results of metrological activities;
- exchange information on the current status of National Metrology Services and their development;
- collaborate in developing metrological projects;
- promote the exchange of metrological services.

Section 4 – Principal fields of cooperation within COOMET

The principal fields of cooperation within COOMET include:

- realisation of the CIPM Arrangement on Mutual Recognition of National Measurement Standards and Calibration and Measurement Certificates Issued by National Metrology Institutes (CIPM MRA);
- establishment and maintenance of primary standards of units and scales of physical quantities;
- dissemination of units from primary standards to working measuring instruments;
- participation in the CIPM key comparisons of national measurement standards and carrying out of regional comparisons of measurement standards;
- development of new measurement methods and new types of high accuracy measuring instruments;
- solution of problems of general metrology, including problems of the theory of measurement and uncertainties, system of units, terminology;
- establishment of a system of gathering and dissemination of information on metrology and measurement techniques, information technology;
- definition, collection, evaluation and certification of reference data used in metrology;
- creation and use of reference materials of composition and properties of substances and materials;
- harmonisation of requirements for measuring instruments subject to metrological control, as well as methods for their testing taking into consideration international recommendations;
- preparation of conditions for mutual recognition of results of metrological control and metrological supervision;
- implementation of calibration and recognition of its results according to the rules and procedures set up by international organisations;
- creation and implementation of Quality Management Systems of National Metrology Institutes;
- training and raising proficiency level of experts;
- improvement of the activities of the Organisation and its structural bodies.

Section 5 – Structure of COOMET and working procedures

1. The COOMET body initiating and supporting cooperation is the Committee. It consists of the Heads of National Metrology Institutions of the COOMET Member Countries or persons appointed by them, one representative from each institution. The Committee ensures that the activity of COOMET is pursued in accordance with its objectives and contributes to accomplishing its tasks.
2. The Committee elects the President from among its Members, for a period of three years, with the eligibility to be re-elected for one subsequent term of office.
3. Each Committee Member accompanied by experts may take part in its meetings. Only Committee Members may vote.
4. The Committee may invite observers from other international or regional organisations to take part in their meetings.
5. The Committee meets as often as required but at least once per year.
6. At the suggestion of the President, the Committee approves nominees for the positions of Vice-Presidents from among its Members. The President, Vice-Presidents and Head of the COOMET Secretariat form the President's Council, which develops the policy of cooperation within COOMET, interacts with international

and regional metrology organisations, organises cooperation between the Committee meetings and prepares questions to be considered at these meetings.

7. A year before scheduled election of a new COOMET President the COOMET Committee nominates a candidate which after mutual approval becomes a Member of the President's Council having a status of President Elect. After the expiry of a three-year period of presidency, the COOMET President keeps the status of Former President for one more year. At the end of this year the President Elect becomes an active COOMET President.
8. In case, the Active COOMET President is not able to fulfil his obligations resulting from this position, the President's Council shall appoint among its members an Acting COOMET President until the new COOMET President has been elected according to the established order.
9. The Committee decides on its own Rules of Procedure and on those of other COOMET bodies.
10. As a rule the COOMET Secretariat is provided by the National Metrology Institute of the COOMET President.
11. The Secretariat assists the President and the President's Council in the management of COOMET and ensures contacts between the Committee Members, as well as between the Committee, structural and working bodies of COOMET.
12. Following the decision of the COOMET Committee the following COOMET Structural Bodies are established for the purpose of initiating work in the major fields and directions of cooperation: Joint Committees, Technical committees (TC), Councils, Forums), which constitute the Organizational structure of COOMET.

The scope of objectives, tasks and working and collaboration procedures of a COOMET structural body (CSB) is specified in relevant Regulations approved by the COOMET Committee.

The organizational structure of COOMET can include COOMET structural bodies of the 1st level (CSB-I) and of the 2nd level (CSB-II). CSB-II are subordinate to CSB-I.

Each COOMET Structural Body is headed by a Chairperson appointed by the COOMET Committee for a period of 4 years with the possibility to once extend the term of office for the same period.
13. Structural Bodies may establish working bodies:
 - Subcommittees (SCs) in order to address the permanent tasks of collaboration;
 - Working Groups (WGs) within relevant SCs/TCs in order to carry out routine work on COOMET projects, as well as appoint field coordinators.
14. Terms of reference and staff of a SC are defined by the corresponding Structural Body. The Chairperson of a SC is appointed by the COOMET Committee for a period of 4 years with the possibility to once extend the term of office for the same period.
15. Organizational and financial matters are managed by structural and working bodies individually taking into account the hierarchy of the COOMET bodies.
16. National Metrological Institutions that are Members of COOMET may invite other institutions in their countries to cooperation, at their own discretion, for working on a project

Section 6 – Languages

1. The languages of the Committee meetings are English and/or Russian.
2. Documents of wide dissemination to be received and sent by the Secretariat and official publications of COOMET shall be edited both in English and Russian.
3. Final reports written after completion of projects, aside from COOMET publications, may be in English, French, German or Russian. The authors of the report are given the choice of a language sufficiently understood by those to whom they wish to convey their information or considerations.
4. In other cases, any language the cooperating partners consider adequate for their communication may be used.

Section 7 – Rights

In order to achieve the objectives of COOMET, each Member of the Organisation will have the following rights:

- to have access, upon agreement, to national standards of other Members of COOMET;
- to seek cooperation and assistance in solving metrological problems;
- to propose projects for joint work and participate in their implementation;
- to receive information on the results of activities of COOMET Bodies.

Section 8 – Obligations

In order to achieve the objectives of COOMET, each Member of the Organisation will accept the following obligations:

- to provide the Committee, upon its request and within reasonable limits, with information on projects carried out and planned in accordance with the scope of the COOMET activities;
- to provide COOMET Members with assistance and services upon mutual agreement;
- to participate in joint COOMET projects depending on its financial and technical resources, as well as its interest and competence;
- to maintain the confidentiality of any information on the results of type tests, verifications and calibrations of measuring instruments submitted by cooperating partners;
- to take into consideration the COOMET recommendations in the activity of its National Metrology Institutions and to promote the implementation of the results of COOMET projects in its country.

Section 9 – Cooperation with international and regional organisations

1. COOMET will make best use of the results of work of international metrology organisations and other organizations:
 - International Organisations within Metre Convention: General Conference on Weights and Measures (CGPM), International Committee for Weights and Measures (CIPM) and International Bureau of Weights and Measures (BIPM);
 - International Organisation of Legal Metrology (OIML), International Committee for Legal Metrology (CML) and International Bureau of Legal Metrology (BIML);
 - International Measurement Confederation (IMEKO), etc.,

as well as other organisations of interest to metrology such as ISO, IEC, CODATA, and will follow their recommendations in its activities.

2. COOMET intends to cooperate, as far as there is mutual interest, with regional metrology organisations and other organisations:
 - European Association of National Metrology Institutes (EURAMET),
 - European Cooperation in Legal Metrology (WELMEC),
 - Asia-Pacific Metrology Programme (APMP),
 - Asia-Pacific Legal Metrology Forum (APLMF),
 - Euro Asian Council for Standardization, Metrology and Certification (EASC),
 - Intra-African Metrology System (AFRIMETS),
 - Inter-American Metrology System (SIM),
 - GULF Association for Metrology (GULFMET) etc.

Section 10 – Validity of Memorandum

1. This Memorandum will come into operation on the date of its signing by at least four Signatories and remain open for further participants.
2. This Memorandum may be amended at any time by written agreement between at least three quarters of the Signatories.
3. If a Member on behalf of which this Memorandum has been signed, for any reason whatever, intends to terminate its participation in COOMET, it will notify the President of the COOMET Committee of this intention not later than six months in advance.
4. This Memorandum is concluded for a term of five years. Unless within this five year period revision or termination is proposed to the COOMET Committee by at least one third of the Signatories this Memorandum of Understanding will remain in effect for another five year period.

Section 11 – Limitations

1. Decisions of COOMET have an exclusively recommendatory nature.
2. The Secretariat's activities are financed at the expenses of the Party presiding in the COOMET Committee. On a voluntary basis, other COOMET Members can render financial support to the Secretariat, the President's Council and other COOMET bodies for the implementation of specific tasks.
3. This Memorandum does not limit the rights and obligations of the COOMET Members arising from other bilateral or multilateral cooperation agreements.

Done in Warsaw on 12 June 1991

in English and Russian,

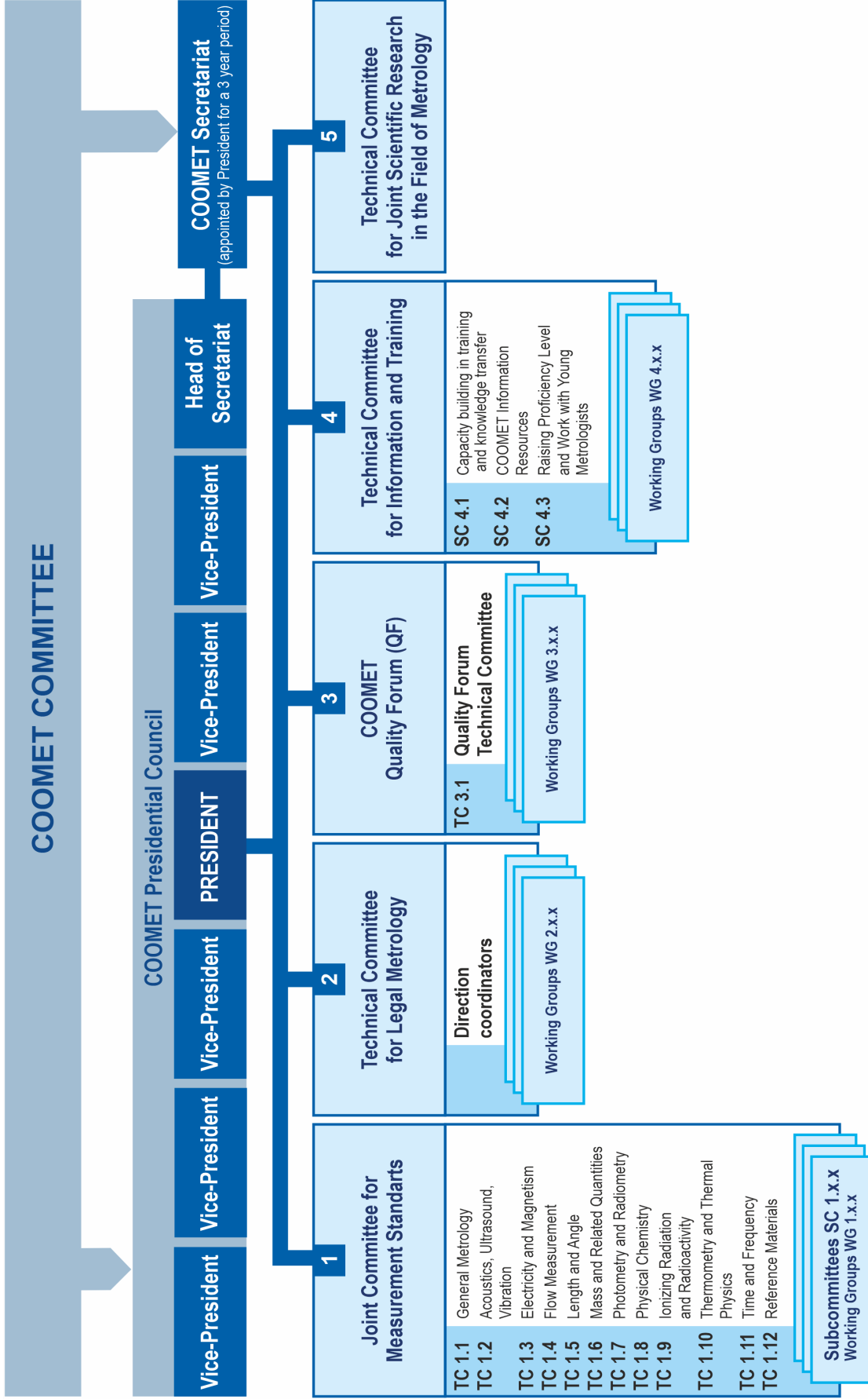
*updated and amended at the 10th COOMET Committee Meeting in Almaty, Kazakhstan, on 25–26 May, 2000;
at the 12th COOMET Committee Meeting in Havana, Cuba, on 6–7 May, 2002;
at the 15th COOMET Committee Meeting in Vilnius, Lithuania, on 8–9 September, 2005;
at the 16th COOMET Committee Meeting in Braunschweig, Germany, on 4–5 September, 2006,
at the 19th COOMET Committee Meeting in Baku, Azerbaijan, on 20–21 May, 2009;
at the 22th COOMET Committee Meeting in Cholpon-Ata, Kyrgyzstan, on 18–19 April, 2012,
according to the results of the electronic voting among COOMET Committee members (Minutes № COOMET E-01-2020).*



COOMET STRUCTURE



COOMET STRUCTURE





COOMET PRESIDENT AND SECRETARIAT



COOMET President

Dr. Valery Hurevich

Director

Belarusian State Institute of Metrology (BelGIM)

Starovilensky Trakt, 93, 220053, MINSK

Tel: +375 17 374 55 01

Fax: +375 17 244 99 38

Email: coomet@belgim.by

COOMET Secretariat

Belarusian State Institute of Metrology (BelGIM)

Starovilensky Trakt, 93, 220053, MINSK

HEAD OF SECRETARIAT

Nadezhda LIAKHOVA

Tel/Fax: +375 17 378 75 40

Email: coomet@belgim.by

ASSISTANTS

Svetlana KAZAK

Tel/Fax: +375 17 378 75 40

Email: skazak@belgim.by

Olga SHEMAGONOVA

Tel/Fax: +375 17 378 75 40

Email: shemagonova@belgim.by





COOMET VICE-PRESIDENTS



Mr. Evgeny LAZARENKO

Vice-President,

Responsible for cooperation in the field of measurement standards and joint scientific research

Telephone: +7 495 547 52 77

Email: elazarenko@rst.gov.ru



Mr. Frank LIENESCH

Vice-President,

Responsible for the cooperation in the field of legal metrology

Telephone: +49 531 592 9090

Email: Frank.Lienesch@ptb.de



Ms. Nino MIKANADZE

Vice-President,

Responsible for the cooperation in the field of development and peer review of quality management systems

Telephone: +995 32 261 77 57

Email: nino_mikanadze@yahoo.com



COOMET VICE-PRESIDENTS



Prof. Pavel NEYEZHMAKOV

Vice-President,

Responsible for the cooperation with regional metrology organizations. Information and knowledge transfer

Telephone: +38057 700 34 22

Fax: +38057 700 34 47

Email: pavel.neyezhnikov@metrology.kharkov.ua



Mr. Zhanat BEGAYDAROV

Vice-President,

Responsible for the cooperation with countries with emerging metrology systems

Telephone: +7 7172 28 29 01

Email: cmt@ksm.kz



COOMET COMMITTEE MEMBERS



ARMENIA AM

Mr. Kamo MOVSIKYAN

Chief Metrologist

Closed Joint-Stock Company "National Body for Standardization and Metrology" (CJSC "NBSM")

Komitas Ave. 49/4, 0051, YEREVAN

Telephone: +374 10 23 26 00 (118), +374 95 00 69 79

Email: info@metrology.am, movsisyan@metrology.am



AZERBAIJAN AZ

Mr. Elchin ABBASOV

Head of Legal Metrology Department

Legal entity of public law "Azerbaijan Institute of Metrology" (AzMI)

Elchin Isagzadeh settlement, 7th Kondalan street, AZ 1029, BAKU

Telephone: +994 12 514 96 09

Email: elcin.abbasov@metrology.gov.az



BELARUS BY

Dr. Valery HUREVICH

Director

Belarusian State Institute of Metrology (BelGIM)

Starovilensky Trakt 93, 220053, MINSK

Telephone: +375 17 374 55 01

Email: coomet@belgim.by



Bosnia and Herzegovina BA

Dr. Zijad DZEMIC

Director General

Institute of Metrology of Bosnia and Herzegovina (IMBIH)

Branilaca Sarajeva 25, 71000, SARAJEVO

Telephone: +387 (0) 33 568 902

Email: [zijad.dzemic\(at\)met.gov.ba](mailto:zijad.dzemic(at)met.gov.ba)

COOMET Committee Members (continuation)



BULGARIA BG

Mrs. Snezhana SPASOVA

President

Bulgarian Institute of Metrology (BIM)

Blvd. G.M. Dimitrov, 52-B, 1797, SOFIA

Telephone: +359 2 9702 773

Email: s.spasova@bim.government.bg



CHINA CN

Dr. Yuning DUAN

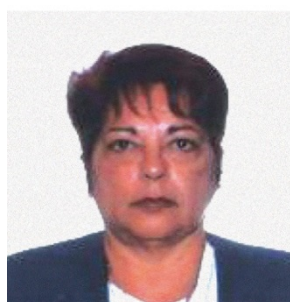
Vice-Director

National Institute of Metrology (NIM)

No. 18, Bei San Huan Dong Lu, Chaoyang Dist, BEIJING

Telephone: +86 10 645 24 202

Email: duanyun@nim.ac.cn



CUBA CU

Dr. Nancy FERNÁNDEZ Rodríguez

Director General

Cuban National Bureau of Standards (NC)

Calle E No. 261 entre 11 y 13 Vedado, LA HABANA 10400

Telephone: +537 830 08 79 / +537 30 00 22

Email: nc@ncnorma.cu



GEORGIA GE

Ms. Nino MIKANADZE

Director

Institute of Metrology GEOSTM

Chargali str. 67, 0178, TBILISI

Telephone: +995 32 261 77 57

Email: nino_mikanadze@yahoo.com



GERMANY DE

Mr. Frank Lienesch

Head of Division 9 "Legal and International metrology"

Physikalisch-Technische Bundesanstalt (PTB)

Bundesallee, 100, 38116, BRAUNSCHWEIG

Telephone: +49 531 592 9090

Email: Frank.Lienesch@ptb.de

COOMET Committee Members (continuation)



KAZAKHSTAN KZ

Mr. Zhanat BEGAYDAROV

Deputy Director General

**Kazakhstan Institute for Standardization and Metrology
(RSE "KazStandard")**

Center of Measurement Standards, Mangilik Yel Avenue 11,
010000, NUR-SULTAN

Telephone: +7 7172 28 29 01

Email: cmta@ksm.kz



KYRGYZSTAN KG

Mr. Almazbek BAYALIEV

Head of Metrology Directorate

**Center of Standardization and Metrology under
the Ministry of Economy and Finances of the Kyrgyz Republic (CSM)**

Panfilova str., 197, 720040, BISHKEK

Telephone: +996 312 66 03 43

Email: a.bayaliev@nism.gov.kg



LITHUANIA LT

Mr. Gintaras VALUŠIS

Director

**State Research Institute Center for Physical Sciences and Technology
(FTMC)**

Savanorių avenue 231, LT-02300 VILNIUS

Telephone: +370 5 264 9211

Email: metrology@ftmc.lt



MOLDOVA MD

Mr. Alexei PIANIH

Acting Director

National Institute of Metrology

28, E. Coca str., MD 2064, Chisinau

Telephone: +373 22 903 101

Fax: +373 22 903 111

Email: office@inm.gov.md

COOMET Committee Members (continuation)



RUSSIA RU

Mr. Evgeny LAZARENKO

Deputy Head

Federal Agency on Technical Regulating and Metrology (Rosstandart)

Presnenskaya Naberezhnaya, 10, building 2, 123112, MOSCOW

Telephone: +7 (495) 547-52-77

Email: elazarenko@rst.gov.ru



SLOVAKIA SK

Mr. Maroš Kamenský

Director General

Slovak Institute of Metrology (SMU)

Karloveska str., 63, 842 55 BRATISLAVA

Telephone: +421 2 602 94 204

Email: maros.kamensky@smu.gov.sk



TAJIKISTAN TJ

Mr. Mansur Hudzhavali SAFARZODA

Deputy Director

Agency on Standardization, Metrology, Certification and Trade Inspection under the Government of the Republic of Tajikistan (Tajikstandard)

N. Karabaev str., 42/2, 734018, DUSHANBE

Telephone: +992 37 233 61 75, +992 90 450 23 45

Email: smansur78@mail.ru



TURKEY TR

Dr. Mustafa CETINTAS

Director

TÜBİTAK Ulusal Metroloji Enstitüsü (UME)

Baris Mah., Dr. Zeki Acar Cad. No. 1 41470 GEBZE Kocaeli

Telephone: +90 262 679 5000

Email: mustafa.cetintas@tubitak.gov.tr

COOMET Committee Members (continuation)



UKRAINE UA

Prof. Pavel NEYEZHMAKOV

Director General

National Scientific Centre "Institute of Metrology" (NSC "IM")

Mironositskaya str., 42, 61002, KHARKOV

Telephone: +38 057 700 34 22, +38 057 700 34 23

Email: pavel.nevezhnikov@metrology.kharkov.ua



UZBEKISTAN UZ

Mr. Lazizbek SAIDORIPOV

Director

Uzbek National Institute of Metrology (UzNIM)

333 A, 333 B, Farobiy str., 100174, TASHKENT

Telephone: +998 71 2020011 (1200); +998 78 1502600

Email: saidoripov@nim.uz



HEADS of COOMET STRUCTURAL BODIES

Structural body	Chair	Telephone/Fax/Email
Joint Committee for Measurement Standards (JCMS)	Dr. Anna CHUNOVKINA All-Russian Scientific Research Institute of Metrology named after D.I. Mendeleev (VNIIM) 19 Moscovsky Prospect 198005 SAINT PETERSBURG, RUSSIA	+7 812 251 83 07 +7 812 713 01 14 A.G.Chunovkina@vniim.ru
TC 1.1 General Questions Concerning Measurements (General Metrology)	Dr. Anna CHUNOVKINA All-Russian Scientific Research Institute of Metrology named after D.I. Mendeleev (VNIIM) 19 Moscovsky Prospect 198005 SAINT PETERSBURG, RUSSIA	+7 812 251 83 07 +7 812 713 01 14 A.G.Chunovkina@vniim.ru
TC 1.2 Acoustics, Ultrasound, Vibration	Mr. Aleksandr KOSTEROV Acting Chair State Enterprise "Scientific-Research Institute for Metrology of Measurement and Control Systems" (DP NDI "Systema") 6 Kryvonis Str., 79008 LVIV, UKRAINE	+38 032 239 93 23 kosterov@dndi-systema.lviv.ua
TC 1.3 Electricity and Magnetism	Mrs. Marina YARMOLOVICH Belarusian State Institute of Metrology (BelGIM) 93 Starovilensky Trakt, 220053 MINSK BELARUS	+375 17 365 15 10 yarmolovich@belgim.by
TC 1.4 Flow Measurement	Mr. Roman KORNEEV Acting Chair All-Russian Scientific Research Institute of Flow Metering (VNIIR-branch of VNIIM) 7a, 2 Azinskaya Str., 420088, KAZAN, RUSSIA	+7 843 272 12 02, +7 917 898 93 59 nio1@vniir.org
TC 1.5 Length and Angle	Mr. Alexander KOSTRIKOV National Scientific Centre "Institute of Metrology" (NSC "IM") 42 Mironositskaya Str., 61002 KHARKOV, UKRAINE	+38 057 704 97 99 +38 057 700 34 47 oleksandr.kostrikov@metrology.kharkov.ua
TC 1.6 Mass and Related Quantities	Mrs. Iryna KOLOZINSKA National Scientific Centre "Institute of Metrology" (NSC "IM") 42 Mironositskaya Str., 61002 KHARKOV, UKRAINE	+38 057 704 97 22 +38 057 700 34 47 Irina.kolozinskaya@metrology.kharkov.ua
TC 1.7 Photometry and Radiometry	Mr. Anatolii BESCUPSCHII National Institute of Metrology (INM-MD) E. Coca str., 28, MD 2064, CHISINAU, MOLDOVA	(+373) 22 903 141 (+373) 79 908 908 anatolii.bescupschii@inm.gov.md

Structural body	Chair	Telephone/Fax/Email
TC 1.8 Physical Chemistry	Dr. Leonid KONOPELKO All-Russian Scientific Research Institute of Metrology named after D.I. Mendeleev (VNIIM) 19 Moscovsky Prospect 198005 SAINT PETERSBURG, RUSSIA	+7 812 315 11 45 +7 812 327 97 76 fhi@b10.vniim.ru L.A.Konopelko@vniim.ru
TC 1.9 Ionising Radiation and Radioactivity	Dr. Nikolay MOISEEV All-Russian Scientific Research Institute of Metrology named after D.I. Mendeleev (VNIIM) 19 Moscovsky Prospect, 198005 SAINT PETERSBURG, RUSSIA	+7 812 323-96-14 N.N.Moiseev@vniim.ru
TC 1.10 Thermometry and Thermal Physics	Prof. Anatoly POKHODUN All-Russian Scientific Research Institute of Metrology named after D.I. Mendeleev (VNIIM) 19 Moscovsky Prospect 198005 SAINT PETERSBURG, RUSSIA	+7 812 315 52 07 +7 812 713 01 14 A.I.Pokhodun@vniim.ru
TC 1.11 Time and Frequency	Dr. Vitaliy PALCHIKOV All-Russian Scientific Research Institute of Physico-Technical Measurements (VNIIFTRI) 141570 MENDELEEVO, Moscow Region RUSSIA	+7 495 660 57 24 palchikov@vniiftri.ru
TC 1.12 Reference Materials	Dr. Sergey MEDVEDEVSKIKH All-Russian Scientific Research Institute of Metrology named after D.I. Mendeleev (VNIIM) 19 Moscovsky Prospect 198005 SAINT PETERSBURG, RUSSIA	+7 912 241 80 51 uniim@uniim.ru
TC 2 Legal Metrology	Dr. Yuriy KUZMENKO State Enterprise "All-Ukrainian State Research and Production Centre of Standardization, Metrology, Certification and Consumer Protection"(SE "Ukrmetrteststandart") 4 Metrologichna Str., 03680 KYIV, UKRAINE	+38 044 526 53 69 tc2coomet@ukrcsm.kiev.ua
Quality Forum (QF)	Ms. Nino MIKANADZE Institute of Metrology GEOSTM Chargali str, 67, 0178, TBILISI GEORGIA	+995 32 261 77 57 +995 32 261 35 00 nino_mikanadze@yahoo.com
TC 3.1 Quality Forum Technical Committee	Ms. Nino MIKANADZE Acting Chair Institute of Metrology GEOSTM Chargali str, 67, 0178, TBILISI GEORGIA	+995 32 261 77 57 +995 32 261 35 00 nino_mikanadze@yahoo.com

Structural body	Chair	Telephone/Fax/Email
TC 4 Information and Training	Prof. Pavel NEYEZHMAKOV National Scientific Centre "Institute of Metrology" (NSC "IM") 42 Mironositskaya Str., 61002 KHARKOV UKRAINE	+38 057 700 34 22 +38 057 700 34 47 pavel.neyezhnikov@metrology.kharkov.ua



NATIONAL COOMET SECRETARIATS

Country & Code		Name, NMI	Telephone/Email
ARMENIA	AM	Mrs. Ruzanna SARYAN CJSC "National Body for Standardization and Metrology" (CJSC "NBSM")	+374 95 53 39 26 info@metrology.am
AZERBAIJAN	AZ	Mr. Azer GURBANOV Legal entity of public law "Azerbaijan Institute of Metrology" (AzMI)	+994 12 514 96 05 /107 azer.gurbanov@metrology.gov.az
BELARUS	BY	Ms. Nadezhda LIAKHOVA Belarusian State Institute of Metrology (BelGIM)	+375 17 378 75 40 coomet@belgim.by
BOSNIA and HERZEGOVINA	BA	Mr. Haris MEMIC Institute of Metrology of B&H	+387 33 568 919 haris.memic@met.gov.ba
BULGARIA	BG	Ms. Galina NAYDENOVA Bulgarian Institute of Metrology (BIM)	+359 2 970 27 70 g.yordanova@bim.government.bg
CHINA	CN	Ms. Sophia LI National Institute of Metrology (NIM)	+86 10 64524260 +86 10 64218703 limw@nim.ac.cn
CUBA	CU	Mr. Nelson Julian VILLALOBOS HEVIA National Research Institute on Metrology (INIMET)	+537 7862 05 36 villalobos@inimet.cu
GEORGIA	GE	Ms. Natalia SIDAMONIDZE Georgian National Agency for Standards and Metrology (GEOSTM)	+995 599 77 51 44 geostm@geostm.ge
GERMANY	DE	Mr. Moritz ACKERMANN Physikalisch-Technische Bundesanstalt (PTB)	+49 531 592 8219 moritz.ackermann@ptb.de
		Mrs. Katrin HOFFMANN Physikalisch-Technische Bundesanstalt (PTB)	+49 531 592 8215 katrin.hoffmann@ptb.de
KAZAKHSTAN	KZ	Ms. Zhanar YELEUISSIZOVA Kazakhstan Institute of Standardization and Metrology (KazStandard)	+ 7 7172 98 06 38 zh.eleusizova@ksm.kz
KYRGYZSTAN	KG	Ms. Elmira ABASBEKOVA Center for Standardization and Metrology under the Ministry of Economy and Commerce of the Kyrgyz Republic (KYRGYZSTANDART)	+996 312 66 01 17 frequency@nism.gov.kg
LITHUANIA	LT	Mr. Emilis URBA State Research Institute Center for Physical Sciences and Technology (FTMC)	emilis.urba@ftmc.lt
MOLDOVA	MD	Mr. Teodor BIRSA National Institute of Metrology (INM-MD)	+373 22 903 104 +373 78 613 300 coomet@inm.gov.md

Country & Code		Name, NMI	Telephone/Email
RUSSIA	RU	Mr. Sergey KOMISSAROV All-Russian Scientific Research Institute of Metrological Service (VNIIMS)	+7 495 781 90 81 komissarov@vniims.ru
SLOVAKIA	SK	Mr. Roman FIRA Slovak Institute of Metrology (SMU)	+421 2 602 94 232 fira@smu.gov.sk
TAJIKISTAN	TJ	Mrs. Musalama KHUDOIEVA Agency on Standardization, Metrology, Certification and Trade Inspection under the Government of the Republic of Tajikistan (Tajikstandard)	+992 77 700 74 75 coomet-tj@mail.ru mkhudoieva@inbox.ru
TURKEY	TR	Mr. Enver SADIKOGLU TÜBİTAK Ulusal Metroloji Enstitüsü (UME)	+90 262 679 50 00 add. 2044 or 3101 enver.sadikoglu@tubitak.gov.tr
UKRAINE	UA	Mrs. Yuliya BUNYAYEVA National Scientific Center "Institute of Metrology" (NSC "IM")	+38 057 704 98 31 coomet@metrology.kharkov.ua
UZBEKISTAN	UZ	Mr. Marat YUNUSOV Uzbek National Institute of Metrology (UzNIM)	+998 71 2020011 (1214) coomet@nim.uz



RULES OF PROCEDURE



DOCUMENT COOMET D2/2021

RULES OF PROCEDURE

The Rules of Procedure presented below amend the description of the COOMET structure and activities which are part of the Memorandum of Understanding and were adopted in accordance with Article 9, Section 5 of the Memorandum and should promote the effective solution of cooperation problems in the shortest time possible according to established procedures using modern information technology and communication facilities.

1. COOMET MEMBERS AND COOMET COMMITTEE MEMBERS

1.1. From each state only one national metrology institution on behalf of which the Memorandum of Understanding was signed, can be a member of COOMET.

1.2. Each COOMET member must inform COOMET President about appointment of the Committee member from its party.

1.3. The Committee shall elect its President by secret ballot by a simple majority of votes.

1.4. A COOMET member, not represented at two consecutive Committee meetings without giving a reason for the absence, shall be considered as having terminated his/her participation in COOMET.

Decision on the termination of participation of a COOMET member in COOMET is to be made by open voting based on a simple majority of votes at the next COOMET Committee meeting.

2. COOMET PROJECTS

2.1. GENERAL

For each collaborative project a COOMET project form must be completed and sent to the COOMET Secretariat, which will arrange for its distribution to all Committee members and to the Chair of the relevant TC. This will enable all COOMET members to keep themselves informed of areas of possible cooperation providing them with an opportunity to offer their assistance.

Three separate forms are available¹:

- PROPOSED COOMET PROJECT FORM
- AGREED COOMET PROJECT FORM
- COOMET PROJECT PROGRESS/FINAL REPORT FORM

Proposals for COOMET collaboration projects can be made at any time.

The collection of agreed COOMET projects will represent the Working Program of COOMET.

Committee members will monitor COOMET projects to ensure they are in agreement with COOMET aims and tasks and are conducted in accordance with the adopted procedures.

¹ Notes for the completion of the Forms are given in Annexes 1-3 to the Document COOMET D2/2021 "COOMET Rules of Procedure" (see pages 36-41 of Directory)

COOMET cooperation can be extended to involve projects initiated by institutions from non-member countries, by the mutual consent of the interested parties. The interest in such projects shall be confirmed by the Committee member of at least one COOMET member country.

2.2. SUBJECT FIELDS

The project should belong to one of the following subject fields:

- Acoustics, Ultrasound, Vibration;
- Electricity and Magnetism;
- Flow Measurement;
- Ionising Radiation and Radioactivity;
- Length and Angle;
- Mass and Related Quantities;
- Photometry and Radiometry;
- Physical Chemistry;
- Thermometry and Thermal Physics;
- Time and Frequency;
- Reference Materials;
- General Questions Concerning Measurements (General Metrology);
- Legal Metrology;
- Quality Management Systems;
- Information and Information Technology;
- Improvement of COOMET Performance.

2.3. PROPOSED COOMET PROJECT

The proposer of a project shall fill in the form (Annex 1, see page36), and send it to the COOMET Secretariat through the COOMET Committee member of his/her country. The COOMET Secretariat shall register the project and distribute the form of the proposed project to the Chair of the relevant TC (who shall inform the Chair of the SC about the project, as required), as well as to all COOMET Committee members who will inform the proposer and the COOMET Secretariat of their interest within a period of no more than three months. If COOMET Members show no interest in the fulfilment of the proposed project, it can remain in the list of proposed COOMET projects for up to one year (proposed projects, related to comparisons of measurement standards, can remain in the list of proposed COOMET projects for up to two years).

When the timeframe for keeping the project in the List of proposed COOMET projects runs out and no COOMET Committee member shows his/her interest in the proposed COOMET project, the COOMET Secretariat removes it from the List (yet the information about the project remains in the database of COOMET projects) and notifies the proposer and the Chair of the relevant TC about it.

2.4. AGREED COOMET PROJECT

An agreed COOMET project form (Annex 2, see page 38) is used when agreement has already been reached by a certain number of partners to undertake a specific collaborative project.

It is only through the receipt of this form that COOMET members will be advised of the agreement of the participants of cooperation to perform works under the COOMET project.

The Working Group set up for accomplishing the project shall be composed of the persons stated in the form.

Once completed the agreed COOMET project form shall be sent by the coordinator to the Chair of the relevant SC/TC and to the COOMET Secretariat. The COOMET Secretariat sends the form to Committee members and includes the project in the COOMET Working Program and database of projects.

In performing projects on carrying out comparisons related to the implementation of the Arrangement on Mutual Recognition of National Measurement Standards and Calibration and Measurement Certificates Issued by National Metrology Institutes (CIPM MRA), the information in Box 6 in the form of the agreed project shall in addition contain the following data: comparison type, supported CMC, piloting NMI of the comparison, registration in the KCDB (except for the pilot ones).

If there are any refinements/changes in the project title and/or members of the Working Group in the process of project implementation, the coordinator shall prepare and send an updated form of the agreed project to the Chair of the relevant SC/TC and to the COOMET Secretariat. The COOMET Secretariat shall send the updated form to Committee members and make the corresponding amendments to the COOMET Working Program and database of projects.

The coordinator of the Working Group shall inform the relevant SC/TC on progress in implementing the project.

2.5. COOMET PROJECT PROGRESS/FINAL REPORT

A progress report form (Annex 3, see page 40) is used by coordinators for reporting the progress on implementing agreed COOMET projects.

A final report form must be prepared when a project has been completed (Annex 3).

In the final report form the results obtained should be presented and possible applications stated. It is desirable to indicate the advantages of undertaking the work collaboratively through COOMET.

The final report form is not deemed as a publication.

Collaborators are encouraged to publish their work through usual channels, mentioning that it was undertaken in cooperation within COOMET.

The coordinator shall send the completed final report form to the Chair of the relevant SC/TC and the COOMET Secretariat.

The COOMET Secretariat sends the form to Committee members and makes appropriate amendments to the database of COOMET projects.

2.6. EXCLUSION OF COOMET PROJECTS

According to suggestions of the Chairs of TCs the COOMET Secretariat excludes the projects recognised as unpromising and irrelevant from the Working Program, however retaining the information about these projects in the database of COOMET projects.

The COOMET Secretariat sends the information about the exclusion of a project from the Working Program to Committee members.

3. REPORTS ON THE ACTIVITIES OF COOMET BODIES

3.1. The coordinator of the Working Group sends the form of the project progress report to the Chair of the relevant SC/TC annually by 15 January.

The Chair of the SC/TC can request the coordinator of the Working Group to submit a report on the progress with the project one month before the meeting of the SC/TC.

3.2. The Chair of the SC prepares the Annual Report on the SC activities and forwards it to the Chair of the relevant COOMET structural body (CSB), to which the SC is subordinate, annually by 31 January.

The Chair of the CSB draws up the Annual Report on the CSB activities and forwards it to the COOMET Secretariat and to the Chair of the CSB of the 1st level (if it exists for this CSB) annually by 31 January.

3.3. Based on the reports of the SCs/TCs the Chairs of COOMET structural bodies prepare Annual Reports on the activities of the headed COOMET bodies and forward them to the COOMET Secretariat annually by 15 February and present them at COOMET meetings.

The COOMET Secretariat includes the CSBs reports in a suite of working documents of the COOMET Committee meeting.

The Chairs of CSBs arrange for publication of the Annual reports on the pages of their CSBs on the COOMET information resources.

3.4. Annual reports of COOMET Structural Bodies should have the following sections:

- general characteristic of the cooperation in the corresponding subject field including information on specific activities and/or projects being carried out and on the participants involved in cooperation, as well as challenges (e.g. related to the organization and conduct of comparisons), if any, and prospects for the development of cooperation in the subject field of cooperation, assigned to the CSB;
- results of the last meetings of the COOMET structural bodies and subordinated SCs/TCs;
- results of implementation of the COOMET Strategy and COOMET Development Program (regarding the CSB activities), as well as of the Working Program of the CSB;
- review of the projects completed and information on the use of the results obtained;
- problems of cooperation with international and regional organisations in the corresponding field of cooperation;
- activities for the implementation of international agreements (e.g., CIPM MRA, etc.);
- information on the prospective place and date for the following meetings of the COOMET structural bodies and subordinated SCs/TCs (if any);
- proposals for the resolutions of the COOMET Committee meeting.

The total volume of the report should not exceed three to five pages.

3.5. The COOMET Secretariat prepares the Annual Report on COOMET activities based on the reports submitted by the COOMET structural bodies, and distributes it to the Committee members annually by 15 March and/or includes it in a suite of working documents of the COOMET Committee meeting.

4. COMMITTEE MEETINGS - CONVOCATION AND PROCEDURE

4.1. The President will decide on the place and date of the meeting, taking into consideration the proposals formulated by the Committee members during the last meeting or received in due course.

For valid reasons a COOMET Committee meeting may be held online, provided that voting by Committee members on the items of the agenda and simultaneous interpretation during the meeting are arranged.

4.2. If a Committee member cannot take part in a meeting, he/she can send an official representative to the meeting, transferring him the right to vote. The Committee member shall send a written confirmation of the official representative's authority addressed to the President before the Committee meeting.

4.3. A Committee meeting can be divided in two sessions, if necessary: a working session only for Committee members or their official representatives and a plenary session, open to other participants.

4.4. A Committee meeting shall be convened in writing by email. The President shall notify Committee members about the dates of the meeting at least ten weeks in advance and also send the preliminary draft agenda with the request to inform the President about any additions or refinements to the draft within a three week period.

4.5. The final draft agenda shall be sent to Committee members at least four weeks in advance of the meeting.

4.6. The agenda shall be approved by the Committee at the beginning of the meeting.

4.7. A quorum will be constituted by more than half of the Committee Members.

4.8. The Committee will attempt to reach agreed decisions whenever possible by consensus amongst all COOMET Committee members or their official representatives present at the meeting; meanwhile consensus is understood to be "general agreement of COOMET Committee members or their official representatives, present at the meeting when the decision is made".

If consensus cannot be reached, decisions shall be made based on the results of voting – by a simple majority of valid votes cast; meanwhile different points of view shall be recorded in the Minutes. Abstentions are regarded as invalid votes, not as votes cast. In the event of equality of votes, the President shall have the casting vote.

4.9. The resolutions of each Committee meeting shall be included in the Minutes of the meeting. Draft Minutes shall be circulated by the COOMET Secretariat to all Committee Members within 2 months of the meeting. In order to speed up the realisation of the resolutions adopted at the Committee meeting, it is recommended to the COOMET Secretariat to prepare draft resolutions of the meeting at the end of the meeting or within two weeks after the meeting.

The approval of the Minutes of the corresponding Committee meeting is performed by Committee members by e-mail during 1 month after their receipt from the COOMET Secretariat. If no written objections are received from Committee members within a month, the Minutes are regarded as approved and final. The Minutes shall be signed by the President and Head of the COOMET Secretariat.

4.10. The President shall convene extraordinary Committee meetings if this is in the interest of the organization or if one fifth of the Committee members collectively demand such meetings in writing stating the purpose and the reasons.

4.11. Between the meetings the Committee can discuss any questions by correspondence involving all Committee members as well as solve problems of cooperation through the Presidential Council, the meetings of which are convened by the President as required, but not less than once a year between the COOMET Committee meetings.

4.12. In justified cases e-voting on important issues related to the activities of the organization can be held among Committee members between Committee meetings based on the decision of the Presidential Council.

To hold e-voting the COOMET Secretariat shall prepare a voting Ballot with the list of questions and answer options, which is sent to Committee members by email or posted on the COOMET information resources with the appropriate notification to Committee members.

The timeframe for voting is set by the President.

The COOMET Secretariat must provide a written confirmation of the receipt of the completed voting ballot to the COOMET member.

The answer having a simple majority of valid votes cast is taken as the result of voting for each question of the ballot. Abstentions are regarded as invalid votes. If a Committee member votes negatively on the issue put to a vote, the reason for such a decision shall be stated.

The results of the e-voting shall be presented by the COOMET Secretariat in the form of a Record (Summary voting record shall be given as a mandatory annex to the Record) and treated as Committee's resolutions.

The Record based on the results of the e-voting shall be prepared and sent to Committee members within no longer than 14 calendar days of the date when the voting was completed.

4.13. Similar rules may be followed by all structural and working bodies of COOMET. The rules, governing the work of CSBs and working bodies subordinate to them, shall be given in the Regulations on CSBs.

5. AMENDMENTS TO THE RULES OF PROCEDURE

These Rules of Procedure can be amended only by the consent of at least half of the Committee members.

The Rules of Procedure were agreed during the first COOMET Committee Meeting, in Warsaw, on 12 June 1991, in English and Russian,

updated and amended at the 10th COOMET Committee Meeting in Almaty, Kazakhstan, on 25–26 May, 2000;

at the 12th COOMET Committee Meeting in Havana, Cuba, on 6–7 May, 2002;

at the 15th COOMET Committee Meeting in Vilnius, Lithuania, on 8–9 September, 2005,

at the 16th COOMET Committee Meeting in Braunschweig, Germany, on 4–5 September, 2006,

at the 18th COOMET Committee Meeting in Kharkov, Ukraine, on 15–16 May, 2008,

at the 19th COOMET Committee Meeting in Baku, Azerbaijan, on 20–21 May, 2009,

at the 20th COOMET Committee Meeting in Astana, Kazakhstan, on 21–22 April, 2010,

at the 23th COOMET Committee Meeting in Nizhny Novgorod, Russia, on 5–6 June, 2013,

at the 31st COOMET Committee meeting (15–17 June 2021, online)



COOMET PROJECTS (NOTES FOR THE COMPLETION OF FORMS)



PROPOSED COOMET PROJECT

Annexes 1 to the Document COOMET D2/2021 "COOMET Rules of Procedure"

PROPOSED PROJECT COOMET		
1 Reference No.:	2 Subject Field:	
3 Field of cooperation:		
4 Partners:		
5 Subject:		
6 Description:		
7 Additional remarks:		
8 Proposer's Name: Address: Telephone: Fax: Email:		
9 Proposer's signature:	10 Date:	11 Proposed starting date:
12 Signature of the COOMET Committee Member: Name: Signature:		

PROPOSED COOMET PROJECT

Box 1 Reference No.

It will be given by the COOMET Secretariat.

The proposed project number format: XXX/YY/ZZ

where XXX stands for the sequence number of the project, YY stands for the country code, ZZ stands for the two last digits of the year

Box 2 Subject Field

The subject field should be chosen from the list in item 2.2 of the Rules of Procedure.

Box 3 Field of cooperation

The field of cooperation should conform to one of the following

- comparisons;
- research;
- advice and training;
- traceability and calibration.

Box 4 Partners

Members of COOMET, who have already expressed their willingness to participate in the proposed cooperation, should be indicated by their initials. If specific institutions are involved, they should be indicated by full names together with the letters signifying their country

Box 5 Subject

The specific subject of the proposed cooperation should be defined in not more than 60 characters (including spaces).

Box 6 Description

Within the space provided a brief description of the proposed project should be given. Sufficient details should be provided for experts from other institutions so that they can assess their capabilities to join cooperation.

Box 7 Additional remarks

This box provides an opportunity for adding any additional remarks relevant to the proposed collaborative project, e.g. previous cooperation, advantages of implementation, etc.

Box 8 Proposer's name

The name, full postal address, telephone and fax numbers and e-mail of the person proposing the cooperation should be given, as well as the name of the institution.

Box 10 Date

The Form should be dated the day of signature.

Box 11 Proposed starting date

A proposed starting date should be given.



AGREED COOMET PROJECT

Annexes 2 to the Document COOMET D2/2021 "COOMET Rules of Procedure"

AGREED PROJECT COOMET		
1 Reference No.:	2 Subject Field:	
3 Field of cooperation:		
4 Working Group:		
5 Subject:		
6 Description:		
7 Additional remarks:		
8 Coordinator's name: Address: Telephone: Fax: Email:		
9 Date project agreed:	10 Starting date:	11 Expected completion date:
12 Coordinator's signature:		13 Date:

AGREED COOMET PROJECT

Box 1 Reference number

The letter "a" is added to the designation of an agreed project.

The agreed project number format: XXX/YY-a/ZZ

where XXX stands for the sequence number of the project, YY stands for the country code, ZZ stands for the two last digits of the year.

If a representative of the country, different from the country, which proposed the project, is appointed as the coordinator of the Working Group, the code in the number of the agreed project, designating the country, will be changed.

Boxes 2, 3 and 5, 6, 7 of the agreed COOMET project form should be complete the same way as the corresponding boxes in the proposed COOMET project form.

Box 4 Working Group

Names of experts forming the Working Group and names (or abbreviated names) of their institutions, as well as letters signifying their countries should be given.

Box 8 Coordinator's name, address, etc.

The name, address, telephone and fax numbers and e-mail of the person nominated by the Working Group as its Coordinator should be indicated, as well as the name of the institution.

Box 9 Date project agreed Ref. No.

Date on which an agreement was reached and the Reference No. of the proposed COOMET Project should be given.

Box 10 Starting date

The date it has been agreed to start the project.

Box 11 Expected completion date

An expected completion date must be given. For ongoing cooperation "ON-GOING" should be entered.

Box 13 Date

The form should be dated the day of signature.

FOR PROJECTS RELATED WITH COMPARISONS

Box 6 Description

A short description of the comparison with compulsory indication of the type of comparison, calibration and measurement capabilities (CMC) supported by the comparisons, as well as the piloting NMI of the comparisons and registration in the KCDB (except for the pilot ones) should be given in this box.



COOMET PROJECT PROGRESS/FINAL REPORT

Annexes 3 to the Document COOMET D2/2021 "COOMET Rules of Procedure"

COOMET PROJECT PROGRESS/FINAL REPORT	
1 Reference No.:	2 Subject Field:
3 Field of cooperation:	
4 Working Group:	
5 Subject:	
6 Progress:	
7 Coordinator's name: Address: Telephone: Fax: Email:	
8 Completion date:	
9 Coordinator's signature:	10 Date:

COOMET PROJECT PROGRESS/FINAL REPORT

Boxes 1-5

The content of the corresponding Boxes in the agreed COOMET project form should be reproduced.

Box 6 Progress

A brief description of the progress up to date should be entered in the space provided.

Box 7 The content of the corresponding box in the agreed COOMET project form should be reproduced (if necessary, contact details can be updated)

Box 8 Completion date

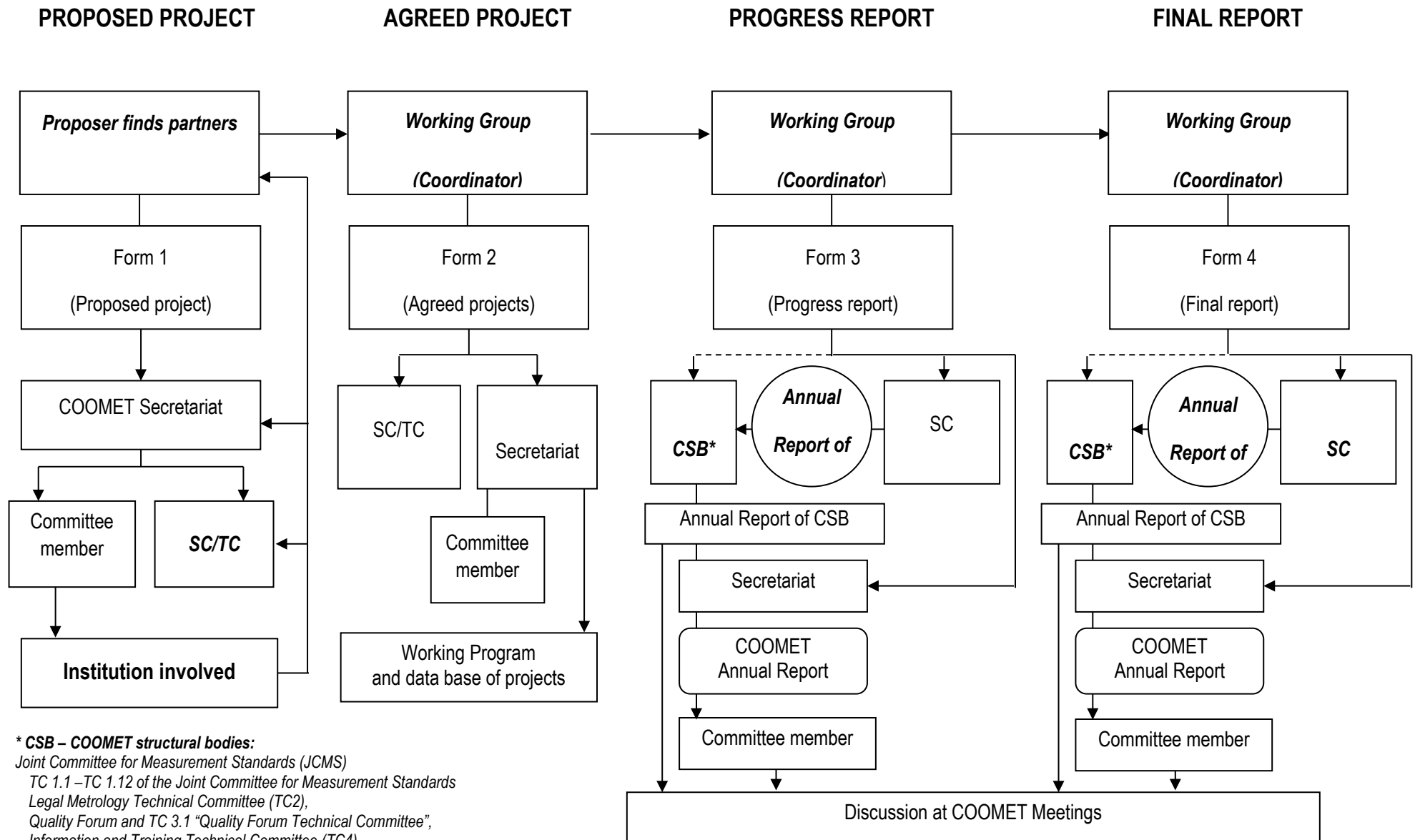
For a progress report (aimed at describing the status of works) an estimated completion date should be given. For ongoing cooperation "ON-GOING" should be entered in progress report forms. If the project comes to a close, a specific completion date should be given.

Box 10 Date

The Form should be dated the day of signature.

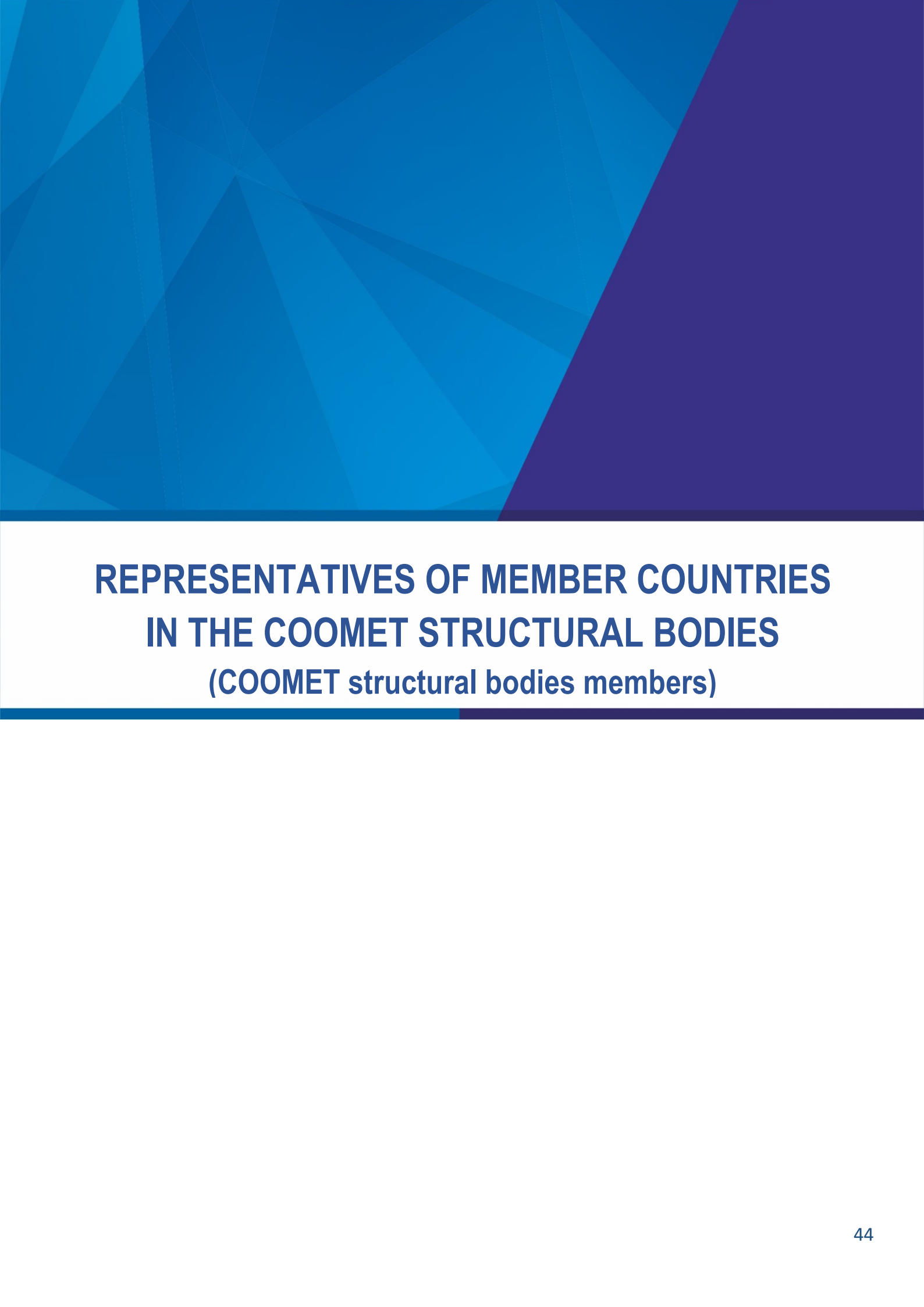


ORGANIZATIONAL SCHEME OF COOMET PROJECTS



*** CSB – COOMET structural bodies:**
 Joint Committee for Measurement Standards (JCMS)
 TC 1.1 –TC 1.12 of the Joint Committee for Measurement Standards
 Legal Metrology Technical Committee (TC2),
 Quality Forum and TC 3.1 “Quality Forum Technical Committee”,
 Information and Training Technical Committee (TC4)

A connection depicted by a dotted line should be followed when there are no SCs in a TC



**REPRESENTATIVES OF MEMBER COUNTRIES
IN THE COOMET STRUCTURAL BODIES
(COOMET structural bodies members)**



STRUCTURAL BODIES MEMBERS

ARMENIA

Structural body & subject field		Contact person	Phone, Email	Address
TC 1.1 "General Metrology"	GM	Mr. Kamo Movsisyan	+374 95 00 69 79 info@metrology.am movsisyan@metrology.am	1
TC 1.2 "Acoustics, Ultrasound, Vibration"	AUV	Mrs. Armenui Khachatryan	+374 93 80 02 32 info@metrology.am akhachatryan@metrology.am	1
TC 1.3 "Electricity and Magnetism"	EM	Mrs. Armenui Khachatryan	+374 93 80 02 32 info@metrology.am akhachatryan@metrology.am	1
TC 1.4 "Flow Measurement"	F	Mr. Vahag Poghosyan	+374 93 58 18 53 info@metrology.am v.poghosyan@metrology.am	1
TC 1.5 "Length and Angle"	L	Mr. Gagik Avetisyan	+374 41 96 99 99 info@metrology.am g.avetisyan@metrology.am	1
TC 1.6 "Mass and Related Quantities"	M	Mr. Avetis Gevorgyan	+374 55 11 50 99 info@metrology.am a.gevorgyan@metrology.am	1
TC 1.7 "Photometry and Radiometry"	PR	Dr. Aleksandr Vardanyan	+374 95 00 69 79 info@metrology.am a.vardanyan@metrology.am	1
TC 1.8 "Physical Chemistry"	QM	Dr. Garik Martirosyan	+374 93 27 95 99 info@metrology.am martirosyan@metrology.am	1
TC 1.9 "Ionising Radiation and Radioactivity"	RI	Mr. Khachik Grigoryan	+374 94 83 26 64 info@metrology.am grigoryan@metrology.am	1
TC 1.10 "Thermometry and Thermal Physics"	T	Dr. Garik Martirosyan	+374 93 27 95 99 info@metrology.am martirosyan@metrology.am	1
TC 1.11 "Time and Frequency"	TF	Mrs. Armenui Khachatryan	+374 93 80 02 32 info@metrology.am akhachatryan@metrology.am	1
TC 1.12 "Reference Materials"	RM	Dr. Garik Martirosyan	+374 93 27 95 99 info@metrology.am martirosyan@metrology.am	1
TC 2 "Legal Metrology"	LM	Mr. Kamo Movsisyan	+374 95 00 69 79 info@metrology.am movsisyan@metrology.am	1
Quality Forum QF member from the country (with voting rights)	AQ	Mrs. Seda Papyan	+374 91 40 07 57 info@metrology.am spapyan@sarm.am	1
TC 3.1 "Quality Forum Technical Committee"	AQ	Mrs. Seda Papyan	+374 91 40 07 57 info@metrology.am spapyan@sarm.am	1
TC 4 "Information and Training"	IT TR	Mr. Avetis Gevorgyan	+374 55 11 50 99 info@metrology.am a.gevorgyan@metrology.am	1
TC 5* "Innovative research in metrology"		Mr. Kamo Movsisyan	+374 95 00 69 79 info@metrology.am movsisyan@metrology.am	1

* Hereinafter, the TC 5 members appointed by the Committee Member from the country (according to the resolution of the 28th COOMET Presidential Council meeting) are indicated. The final decision on the reactivation of TC 5, the appointment of its Chair and approval of the TC5 membership will be made at the 33rd COOMET Committee meeting.

ADDRESS OF ORGANIZATION

1. Closed Joint-Stock Company "National Body for Standardization and Metrology" (CJSC "NBSM")

Address: 49/4 Komitas Ave., 0051 Yerevan, Republic of Armenia

Telephone: +374 10 23 26 00

E-mail: info@metrology.am

Web: www.metrology.am



STRUCTURAL BODIES MEMBERS

AZERBAIJAN

Structural body & subject field		Contact person	Phone, Email	Address
TC 1.1 "General Metrology"	GM	Mr. Elchin Abbasov	+994 12 514 96 05/108 elcin.abbasov@metrology.gov.az	1
TC 1.2 "Acoustics, Ultrasound, Vibration"	AUV	Mr. Ramiz Hasanov	+994 12 514 96 05/190 +994 50 682 04 02 (mob., Whats App) ramiz.hasanov@metrology.gov.az	1
TC 1.3 "Electricity and Magnetism"	EM	Mr. Maarif Zeynalov	+994 12 514 96 05/127 maarif.zeynalov@metrology.gov.az	1
TC 1.4 "Flow Measurement"	F	Mr. Gara Tagiyev	+994 12 514 96 05/190 gara.tagiyev@metrology.gov.az	1
TC 1.5 "Length and Angle"	L	Mrs. Tamilla Shabiyeva	+994 12 514 96 05/136 tamilla.shabiyeva@metrology.gov.az	1
TC 1.6 "Mass and Related Quantities"	M	Mrs. Tamilla Shabiyeva	+994 12 514 96 05/136 tamilla.shabiyeva@metrology.gov.az	1
TC 1.7 "Photometry and Radiometry"	PR	Ms. Shahla Musayeva	+994 12 514 96 05/140 shahla.musayeva@metrology.gov.az	1
TC 1.8 "Physical Chemistry"	QM	Mrs. Emma Nabiyeva	+994 12 514 96 05/133 ema.nabiyeva@metrology.gov.az	1
TC 1.9 "Ionising Radiation and Radioactivity"	RI	Ms. Shahla Musayeva	+994 12 514 96 05/140 shahla.musayeva@metrology.gov.az	1
TC 1.10 "Thermometry and Thermal Physics"	T	Mr. Ramiz Hasanov	+994 12 514 96 05/190 +994 50 682 04 02 (mob., Whats App) ramiz.hasanov@metrology.gov.az	1
TC 1.11 "Time and Frequency"	TF	Mr. Maarif Zeynalov	+994 12 514 96 05/127 maarif.zeynalov@metrology.gov.az	1
TC 1.12 "Reference Materials"	RM	Mr. Galib Hasanov	+994 12 514 96 05/134 galib.hesenov@metrology.gov.az	1
TC 2 "Legal Metrology"	LM	Mr. Elchin Abbasov	+994 12 514 96 05/108 elcin.abbasov@metrology.gov.az	1
Quality Forum QF member from the country (with voting rights)	AQ	Mr. Azer Gurbanov	+994 12 514 96 05/107 azer.gurbanov@metrology.gov.az	1
TC 3.1 "Quality Forum Technical Committee"	AQ	Mr. Azer Gurbanov	+994 12 514 96 05/107 azer.gurbanov@metrology.gov.az	1
TC 4 "Information and Training"	IT TR	Mr. Tamerlan Mammadov	+994 12 514 96 05/116 tamerlan.memmedov@metrology.gov.az	1
TC 5 "Innovative research in metrology"		Mr. Gara Tagiyev	+994 12 514 96 05/190 gara.tagiyev@metrology.gov.az	1

ADDRESS OF ORGANIZATION

1. Legal entity of public law "Azerbaijan Institute of Metrology" (AzMI)

Address: Elchin Isagzadeh settlement, 7th Kondalan Street, AZ 1029, Baku, Azerbaijan

Phone: +994 12 514 96 05

E-mail: info@metrology.gov.az

Website: www.metrology.gov.az



STRUCTURAL BODIES MEMBERS

BELARUS

Structural body & subject field	Contact person	Phone, Email	Address
TC 1.1 "General Metrology"	GM Mr. Maxim Shabanov	+375 17 373 51 06 shabanov@belgim.by	1
TC 1.2 "Acoustics, Ultrasound, Vibration"	AUV Mr. Andrei Kolchyn	+375 17 365 50 59 kolchyn@belgim.by	1
TC 1.3 "Electricity and Magnetism"	EM Mrs. Marina Yarmolovich	+375 17 365 15 10 yarmolovich@belgim.by	1
TC 1.4 "Flow Measurement"	F Mr. Aleksander Bardonov	+375 17 221 03 92 bardonov@belgim.by	1
TC 1.5 "Length and Angle"	L Mr. Vladimir Makarevich	+375 17 363 23 38 makarevich@belgim.by	1
TC 1.6 "Mass and Related Quantities"	M Mrs. Natalya Kamkova	+375 17 357 48 77 kamkova@belgim.by	1
TC 1.7 "Photometry and Radiometry"	PR Mrs. Olga Tarasova	+375 17 348 68 20 optic@belgim.by	1
TC 1.8 "Physical Chemistry"	QM Mrs. Ekaterina Filistovich	+375 17 348 88 20 filistovich@belgim.by	1
TC 1.9 "Ionising Radiation and Radioactivity"	RI Mr. Aleksandr Kiyko	+375 17 363 50 83 kiyko@belgim.by	1
TC 1.10 "Thermometry and Thermal Physics"	T Mr. Petr Krivonos	+375 17 354 24 68 krivonos@belgim.by	1
TC 1.11 "Time and Frequency"	TF Mr. Yuriy Shershun	+375 17 363 55 66 yshershun@belgim.by	1
TC 1.12 "Reference Materials"	RM Mrs. Ekaterina Filistovich	+375 17 348 68 20 filistovich@belgim.by	1
TC 2 "Legal Metrology"	LM Mr. Maxim Shabanov	+375 17 373 51 06 shabanov@belgim.by	1
Quality Forum QF member from the country (with voting rights)	AQ Mrs. Viktoryia Skachok	+375 17 363 57 99 po@belgim.by	1
TC 3.1 "Quality Forum Technical Committee"	AQ Mrs. Viktoryia Skachok	+375 17 363 57 99 po@belgim.by	1
TC 4 "Information and Training"	IT TR Mrs. Lidziya Hrechyna	+375 17 378 65 76 hrechyna@belgim.by	1
TC 5 "Innovative research in metrology"	Mr. Nikolai Bakovets	+375 17 365 24 24 bakovets@belgim.by	1

ADDRESS OF ORGANIZATION

1. Belarusian State Institute of Metrology (BelGIM)

Address: 93 Starovilensky Trakt, 220053 Minsk, Republic of Belarus

Telephone: +375 17 374 55 01

Fax: +375 17 244 99 38

E-mail: coomet@belgim.by

info@belgim.by

Website: www.belgim.by



STRUCTURAL BODIES MEMBERS

BOSNIA and HERZEGOVINA

Structural body & subject field	Contact person	Phone, Email	Address
TC 1.1 "General Metrology"	GM		
TC 1.2 "Acoustics, Ultrasound, Vibration"	AUV		
TC 1.3 "Electricity and Magnetism"	EM	Mr. Vladimir Milojević +387 33 568 924 vladimir.milojevic@met.gov.ba	1
TC 1.4 "Flow Measurement"	F		
TC 1.5 "Length and Angle"	L	Mr. Alen Bošnjaković +387 33 568 945 alen.bosnjakovic@met.gov.ba	1
TC 1.6 "Mass and Related Quantities"	M	Mr. Azmir Alić +387 33 568 948 azmir.alic@met.gov.ba	1
TC 1.7 "Photometry and Radiometry"	PR	Ms. Esmā Musić +387 33 568 914 esma.music@met.gov.ba	1
TC 1.8 "Physical Chemistry"	QM		
TC 1.9 "Ionising Radiation and Radioactivity"	RI	Ms. Vedrana Makarić +387 51 307 470 vedrana.makaric@met.gov.ba	1
TC 1.10 "Thermometry and Thermal Physics"	T	Mr. Semir Čohodarević +387 33 568 933 semir.cohodarevic@met.gov.ba	1
TC 1.11 "Time and Frequency"	TF	Mr. Osman Šibonjić +387 33 568 923 osman.sibonjic@met.gov.ba	1
TC 1.12 "Reference Materials"	RM	Ms. Aida Jotanović +387 33 568 925 aida.jotanovic@met.gov.ba	1
TC 2 "Legal Metrology"	LM	Mr. Haris Memić +387 33 568 919 haris.memic@met.gov.ba	1
Quality Forum QF member from the country (with voting rights)	AQ	Mr. Haris Memić +387 33 568 919 haris.memic@met.gov.ba	1
TC 3.1 "Quality Forum Technical Committee"	AQ	Mr. Haris Memić +387 33 568 919 haris.memic@met.gov.ba	1
TC 4 "Information and Training"	IT TR		
TC 5 "Innovative research in metrology"			

ADDRESS OF ORGANIZATION

1. Institute of Metrology of Bosnia and Herzegovina (IMBIH)

Address: Branilaca Sarajeva 25, 71000, Sarajevo, Bosnia and Herzegovina

Telephone: +387 33 568 901

Fax: +387 33 568 909

Email: info@met.gov.ba

Website: <http://www.met.gov.ba>



STRUCTURAL BODIES MEMBERS

BULGARIA

Structural body & subject field	Contact person	Phone, Email	Address
TC 1.1 "General Metrology"	GM Mrs. Antoaneta Yovcheva	+359 2 970 27 47 a.yovcheva@bim.government.bg	1
TC 1.2 "Acoustics, Ultrasound, Vibration"	AUV Mr. Marin Chushkov	+359 2 974 08 96 m.chushkov@bim.government.bg	1
TC 1.3 "Electricity and Magnetism"	EM Mrs. Antoaneta Yovcheva	+359 2 970 27 47 a.yovcheva@bim.government.bg	1
TC 1.4 "Flow Measurement"	F Mrs. Olga Ruseva	+359 2 970 27 74 o.ruseva@bim.government.bg	1
TC 1.5 "Length and Angle"	L Mr. Veselin Gavalyugov	+359 2 970 27 60 v.gavalyugov@bim.government.bg	1
TC 1.6 "Mass and Related Quantities"	M Mr. Vladimir Dikov	+359 2 970 27 49 v.dikov@bim.government.bg	1
TC 1.7 "Photometry and Radiometry"	PR Mr. Nikolay Aleksandrov	+359 2 974 08 96 n.aleksandrov@bim.government.bg	1
TC 1.8 "Physical Chemistry"	QM Mrs. Rositsa Chipanova	+359 2 970 27 20 r.chipanova@bim.government.bg	1
TC 1.9 "Ionising Radiation and Radioactivity"	RI Mr. Rosen Ivanov	+359 889 064 530 r.ivanov@bim.government.bg	1
TC 1.10 "Thermometry and Thermal Physics"	T Mrs. Snezhana Spasova	+359 878 289 238 s.spasova@bim.government.bg	1
TC 1.11 "Time and Frequency"	TF Mrs. Natasha Tosheva	+359 2 970 27 95 n.tosheva@bim.government.bg	1
TC 1.12 "Reference Materials"	RM Mrs. Lyudmila Dimitrova	+359 2 970 27 24 l.dimitrova@bim.government.bg	1
TC 2 "Legal Metrology"	LM Mrs. Hristina Sokolova	+359 2 970 27 99 h.sokolova@bim.government.bg	1
Quality Forum QF member from the country (with voting rights)	AQ Mrs. Galina Naydenova	+359 2 970 27 70 g.yordanova@bim.government.bg	1
TC 3.1 "Quality Forum Technical Committee"	AQ Mrs. Galina Naydenova	+359 2 970 27 70 g.yordanova@bim.government.bg	1
TC 4 "Information and Training"	IT Mr. Georgi Mollov	+359 898 488 040 g.mollov@bim.government.bg	1
TC 5 "Innovative research in metrology"	TR Mrs. Boryana Koleva	+359 2 970 27 81 b.koleva@bim.government.bg	1

ADDRESS OF ORGANIZATION

1. Bulgarian Institute of Metrology (BIM)

General Directorate "National Centre of Metrology" (GD NCM)

General Directorate "Measures and Measuring Instruments" (GD MMI)

Address: 52 B, G. M. Dimitrov blvd., 1797 Sofia, Bulgaria

Tel: +359 2 970 27 73/ +359 2 970 27 03/ + 359 2 970 27 39

Fax: +359 2 970 27 77, + 359 2 873 52 72/ +359 2 970 27 35/ + 359 2 970 27 18

Email: bim@bim.government.bg / GD_NCM@bim.government.bg / GD_MIU@bim.government.bg

Website: www.bim.government.bg



STRUCTURAL BODIES MEMBERS

CHINA

Structural body & subject field	Contact person	Phone, Email	Address
TC 1.1 "General Metrology"	GM		
TC 1.2 "Acoustics, Ultrasound, Vibration"	AUV Dr. Longbiao HE	+86 10 64526212 helb@nim.ac.cn	1
TC 1.3 "Electricity and Magnetism"	EM		
TC 1.4 "Flow Measurement"	F		
TC 1.5 "Length and Angle"	L		
TC 1.6 "Mass and Related Quantities"	M		
TC 1.7 "Photometry and Radiometry"	PR Dr. Ruoduan SUN	+86 10 64524814 sunrd@nim.ac.cn	1
TC 1.8 "Physical Chemistry"	QM Dr. Haifeng WANG	+86 10 64524975 +86 136 8124 4668 wanghf@nim.ac.cn	1
TC 1.9 "Ionising Radiation and Radioactivity"	RI		
TC 1.10 "Thermometry and Thermal Physics"	T		
TC 1.11 "Time and Frequency"	TF		
TC 1.12 "Reference Materials"	RM		
TC 2 "Legal Metrology"	LM Ms. Changqing CAI	caichq@nim.ac.cn	1
Quality Forum QF member from the country (with voting rights)	AQ Ms. Yingzi GU	guyz@nim.ac.cn	1
TC 3.1 "Quality Forum Technical Committee"	AQ Ms. Yingzi GU	guyz@nim.ac.cn	1
TC 4 "Information and Training"	IT Ms. Mengwan LI TR	+86 10 64524260 limw@nim.ac.cn	1
TC 5 "Innovative research in metrology"	Ms. Gao WEI	gaowei@nim.ac.cn	1

ADDRESS OF ORGANIZATION

1. National Institute of Metrology P. R. China (NIM)

Address: No.18, Bei San Huan Dong Lu, Chaoyang Dist. Beijing, 100029, China
 Tel: + 86 10 6452 4479
 Email: caij@nim.ac.cn; limw@nim.ac.cn
 Website: www.nim.ac.cn



STRUCTURAL BODIES MEMBERS

CUBA

Structural body & subject field		Contact person	Phone, Email	Address
TC 1.1 "General Metrology"	GM	Mrs. Rodes Yanet Valdivia Medina	+537 863 90 62 rodes@inimet.cu	1
TC 1.2 "Acoustics, Ultrasound, Vibration"	AUV			
TC 1.3 "Electricity and Magnetism"	EM	Mrs. Mirta Navarro Gonzalez	+537 862 30 41 mirta@inimet.cu	1
TC 1.4 "Flow Measurement"	F	Mrs. Regla Inchaustieta Ramos	+537 862 30 41 regla@inimet.cu	1
TC 1.5 "Length and Angle"	L	Mrs. Sorge David Morales Pino	+537 862 30 41 sorge@inimet.cu	1
TC 1.6 "Mass and Related Quantities"	M	Mrs. Irasema Frometa Planche	+537 862 30 41 irasema@inimet.cu	1
TC 1.7 "Photometry and Radiometry"	PR	Mrs. Sandra Pedro Valdés	+537 862 30 41 44 sandra@inimet.cu	1
TC 1.8 "Physical Chemistry"	QM	Mrs. Sandra Pedro Valdés	+537 862 30 41 44 sandra@inimet.cu	1
TC 1.9 "Ionising Radiation and Radioactivity"	RI	Mr. Gonzalo Walwyn Salas	+537 682 48 92 gonzalo@cphr.edu.cu	3
TC 1.10 "Thermometry and Thermal Physics"	T	Mr. Fran Javier Buzón González	+537 862 30 41 fankb@inimet.cu	1
TC 1.11 "Time and Frequency"	TF			
TC 1.12 "Reference Materials"	RM	Mrs. Sandra Pedro Valdés	+537 862 30 41 sandra@inimet.cu	1
TC 2 "Legal Metrology"	LM	Mrs. Elina Gonzalez Labrada	+537 830 07 96 elina@ncnorma.cu	4
Quality Forum QF member from the country	AQ	Mrs. María de los Ángeles Alvarez Alvarez (with voting rights)	+537 862 05 36 maria.angeles@inimet.cu	1
		Mrs. Niurka Gonzales Rodriguez (without voting rights)	+537 682 48 92 gonzalo@cphr.edu.cu	3
		Dr. Pilar Oropesa Verdecia (without voting rights)	+537 682 95 24 poropesa@centis.edu.cu	2
TC 3.1 "Quality Forum Technical Committee"	AQ	Mrs. María de los Ángeles Alvarez Alvarez	+537 862 05 36 maria.angeles@inimet.cu	1
TC 4 "Information and Training"	IT TR	Dr. C. Félix María Agüero Díaz	faguero@inimet.cu	1
TC 5 "Innovative research in metrology"		Mrs. Alejandra Hernandez Leonard	+537 862 30 41 alehl@inimet.cu	1

ADDRESSES OF ORGANIZATIONS

1. National Research Institute on Metrology (INIMET), Havana

Address: Consulado No.206, e/ Animas y Trocadero, Centro Habana, CP 10200 La Habana, Republic of Cuba
Telephone: +537 862 05 36
Fax: +537 867 69 66
Email: coomet@inimet.cu
Website: <http://www.inimet.cubaindustria.cu>

2. Center of Isotopes (CENTIS), Havana

Address: Ave. Monumental y Carretera La Rada, Km 3 ½, CP 32700, San José de las Lajas Mayabeque, Republic of Cuba
Telephone: +537 682 95 24
Fax: +537 682 78 50
Email: poropesa@centis.edu.cu
Website: <http://www.centis.cu>

3. Center for Radiation Protection and Hygiene (CPhR), Havana

Address: Carretera Cantera La Victoria II, km 2 ½ e/Monumental y Final, Municipio Guanabacoa, La Habana, Republic of Cuba
Telephone: +537 682 95 71
Fax: +537 682 95 73
Email: cphr@cphr.edu.cu
Website: <http://www.cphr.edu.cu>

4. Cuban National Bureau of Standards (NC), Havana

Address: Calle E No. 261 entre 11 y 13- Vedado, 10400 La Habana, Republic of Cuba
Telephone: +537 830 07 96
Fax: +537 836 80 48
Email: nc@ncnorma.cu
Website: <http://www.nc.cubaindustria.cu>



STRUCTURAL BODIES MEMBERS

GEORGIA

Structural body & subject field		Contact person	Phone, Email	Address
TC 1.1 "General Metrology"	GM			
TC 1.2 "Acoustics, Ultrasound, Vibration"	AUV	Ms. Maia Zardiashvili	+995 599 72 52 71 m.zardia@yahoo.com	1
TC 1.3 "Electricity and Magnetism"	EM	Mrs. Manana Gelovani	+995 32 260 66 29 elmetrology@gmail.com	1
TC 1.4 "Flow Measurement"	F	Mr. Soso Rogava	+995 32 260 66 29 soso.rogava@gmail.com	1
TC 1.5 "Length and Angle"	L	Mr. Vazha Sikharulidze	+995 32 261 25 30-221 vazhasikharulidze@yahoo.com	1
TC 1.6 "Mass and Related Quantities"	M	Mrs. Irma Rurua	+995 32 260 25 30-138 irmarurua@yahoo.com	1
TC 1.7 "Photometry and Radiometry"	PR	Ms. Maia Zardiashvili	+995 599 72 52 71 m.zardia@yahoo.com	1
TC 1.8 "Physical Chemistry"	QM	Ms. Izolda Garsevanishvili	+995 593 47 83 73 i.garsevanishvili@gtu.ge	1
TC 1.9 "Ionising Radiation and Radioactivity"	RI	Mr. Simon Sukhishvili	+995 32 261 73 22 s.sukhishvili@gmail.com	1
TC 1.10 "Thermometry and Thermal Physics"	T	Mr. Yuri Chelidze	+995 32 260 66 29 lurichelidze.geostm@yahoo.com	1
TC 1.11 "Time and Frequency"	TF	Ms. Maia Zardiashvili	995 599 72 52 71 m.zardia@yahoo.com	1
TC 1.12 "Reference Materials"	RM	Mr. Tengiz Philishvili	+995 32 261 25 30 temoexpert@yahoo.com	1
TC 2 "Legal Metrology"	LM	Mr. Paata Metreveli	+995 32 261 25 30-117 metrevelipaata@gmail.com	1
Quality Forum QF member from the country (with voting rights)	AQ	Ms. Nino Mikanadze	+995 32 261 77 57 nino_mikanadze@yahoo.com	1
TC 3.1 "Quality Forum Technical Committee"	AQ	Ms. Nino Mikanadze	+995 32 261 77 57 nino_mikanadze@yahoo.com	1
TC 4 "Information and Training"	IT TR	Ms. Natalia Sidamonidze	+995 599 77 51 44 n.sidamonidze@yahoo.com	1
TC 5 "Innovative research in metrology"				

ADDRESS OF ORGANIZATION

1. Georgian National Agency for Standards and Metrology (GEOSTM)

Address: Chargali str., 67, 0178, TBILISI, Georgia

Tel: +995 32 261 25 30

Email: geostm@geostm.ge

Website: www.geostm.ge



STRUCTURAL BODIES MEMBERS

GERMANY

Structural body & subject field	Contact person	Phone, Email	Address
TC 1.1 "General Metrology"	GM		
TC 1.2 "Acoustics, Ultrasound, Vibration"	AUV Dr. Thomas Fedtke	+49 531 592 1511 +49 531 592 69 1511 Thomas.Fedtke@ptb.de	1
TC 1.3 "Electricity and Magnetism"	EM Dr. Johann Meisner	+49 531 592 2320 +49 531 592 69 2320 Johann.Meisner@ptb.de	1
TC 1.4 "Flow Measurement"	F Dr. Bodo Mickan	+49 531 592 1331 +49 531 592 69 1331 Bodo.Mickan@ptb.de	1
TC 1.5 "Length and Angle"	L Mr. Thomas Ahbe	+49 531 592 5143 +49 531 592 5205 Thomas.Ahbe@ptb.de	1
TC 1.6 "Mass and Related Quantities"	M Dr. Wladimir Sabuga	+49 531 592 3230 +49 531 592 69 3230 Wladimir.Sabuga@ptb.de	1
TC 1.7 "Photometry and Radiometry"	PR Dr. Stefan Kück	+49 531 592 4010 Stefan.Kueck@ptb.de	1
TC 1.8 "Physical Chemistry"	QM Dr. Bernd Güttler	+49 531 592 3100 +49 531 592 3015 Bernd.Guettler@ptb.de	1
TC 1.9 "Ionising Radiation and Radioactivity"	RI		
TC 1.10 "Thermometry and Thermal Physics"	T Dr. Steffen Rudtsch	+49 30 3481 7650 +49 30 3481 7504 Steffen.Rudtsch@ptb.de	2
TC 1.11 "Time and Frequency"	TF Dr. Dirk Piester	+49 531 592 442 1dirk.piester@ptb.de	1
TC 1.12 "Reference Materials"	RM		
TC 2 "Legal Metrology"	LM Dr. Peter Ulbig	+49 511 1266-200 Peter.Ulbig@MEN.Niedersachsen.de	3
Quality Forum QF member from the country (with voting rights)	AQ Dr. Kai Stoll-Malke	+49 531 592 8330 Kai.Stoll-Malke@ptb.de	1
TC 3.1 "Quality Forum Technical Committee"	AQ Dr. Kai Stoll-Malke	+49 531 592 8330 Kai.Stoll-Malke@ptb.de	1
TC 4 "Information and Training"	IT Mr. Moritz Ackermann TR	+49 531 592 8219 +49 531 592 698219 moritz.ackermann@ptb.de	1

Structural body & subject field	Contact person	Phone, Email	Address
TC 5 "Innovative research in metrology"	Dr. Frank Lienesch (TC 5 member with voting rights)	Frank.Lienesch@ptb.de	1
	Dr. Wolfgang Schmid (official observer)	Wolfgang.schmid@ptb.de	1
	Mr. Moritz Ackermann (official observer)	Moritz.Ackermann@ptb.de	1

ADDRESSES OF ORGANIZATIONS

1. Physikalisch-Technische Bundesanstalt (PTB)

Address: Bundesallee 100, 38116 Braunschweig, Germany
 Phone: +49 531 592-0
 Email: info@ptb.de
 Website: www.ptb.de

2. Physikalisch-Technische Bundesanstalt (PTB) Berlin - Charlottenburg

Address: Abbestraße 2-12, 10587 Berlin, Germany
 Phone: +49 30-3481-0
 Email: info@ptb.de
 Website: www.ptb.de

3. Verification Authority of Lower Saxony (MEN)

Address: Goethestraße 44, 30169 Hannover, Germany
 Phone: +49 511 1266-0
 Email: Poststelle@MEN.Niedersachsen.de
 Website: www.men.niedersachsen.de



STRUCTURAL BODIES MEMBERS

KAZAKHSTAN

Structural body & subject field	Contact person	Phone, Email	Address
TC 1.1 "General Metrology"	GM Mr. Dulat Moldybayev	+7 7172 28 29 57 d.moldybayev@ksmr.kz	1
TC 1.2 "Acoustics, Ultrasound, Vibration"	AUV		
TC 1.3 "Electricity and Magnetism"	EM Mrs. Nagima Tuymekulova	+7 7172 28 29 42 n.tuymekulova@ksm.kz	1
TC 1.4 "Flow Measurement"	F Mr. Ulan Moldaganapov	+7 7112 21 11 20 u.moldaganapov@ksm.kz	1
TC 1.5 "Length and Angle"	L Mr. Dulat Moldybayev	+7 7172 28 29 57 d.moldybayev@ksm.kz	1
TC 1.6 "Mass and Related Quantities"	M Mrs. Marzhan Kopeyeva	+7 7172 28 29 51 m.kopeyeva@ksm.kz	1
TC 1.7 "Photometry and Radiometry"	PR Mrs. Natalya Vyrodova	+7 7172 28 29 56 n.vyrodova@ksm.kz	1
TC 1.8 "Physical Chemistry"	QM Mrs. Bibinur Zhanasbayeva	+7 7172 28 29 94 b.zhanasbayeva@ksm.kz	1
TC 1.9 "Ionising Radiation and Radioactivity"	RI		
TC 1.10 "Thermometry and Thermal Physics"	T Mrs. Kuralay Duysebayeva	+7 727 309 91 33 k.duysebayeva@ksm.kz	1
TC 1.11 "Time and Frequency"	TF Mr. Sultanbek Smagulov	+7 7172 28 29 93 s.smagulov@ksm.kz	1
TC 1.12 "Reference Materials"	RM Mrs. Olga Savinkova	+7 777 981 77 50 o.savinkova@ksm.kz	1
TC 2 "Legal Metrology"	LM Mrs. Karlygash Sattybayeva	+7 7172 28 29 32 k.sattybayeva@ksm.kz	1
Quality Forum QF member from the country (with voting rights)	AQ Mrs. Gulzhan Aitzhanova	+7 7172 28 29 56 g.aytzhanova@ksm.kz	1
TC 3.1 "Quality Forum Technical Committee"	AQ Mrs. Gulzhan Aitzhanova	+7 7172 28 29 56 g.aytzhanova@ksm.kz	1
TC 4 "Information and Training"	IT Mrs. Madina Musilimova	+7 7172 28 29 06 m.musilimova@ksm.kz	1
TC 5 "Innovative research in metrology"	TR Ms. Raushan Aimagambetova	+7 7172 98 06 39 r.aimagambetova@ksm.kz	1

ADDRESS OF ORGANIZATION

1. Republic State Enterprise "Kazakhstan Institute of Standardization and Metrology" (RSE "KazStandard")

Address: Center of Measurement Standards, Mangilik Yel Avenue 11, 010000, Nur-Sultan, Republic of Kazakhstan

Telephone: +7 7172 98 06 38

Email: info@ksm.kz, zh.eleusizova@ksm.kz

Website: <http://www.ksm.kz>



STRUCTURAL BODIES MEMBERS

KYRGYZSTAN

Structural body & subject field		Contact person	Phone, Email	Address
TC 1.1 "General Metrology"	GM	Mr. Almaz Bayaliev	+996 312 66 03 43 a.bayaliev@nism.gov.kg	1
TC 1.2 "Acoustics, Ultrasound, Vibration"	AUV			
TC 1.3 "Electricity and Magnetism"	EM	Ms. Elmira Abasbekova	+996 312 62 58 09 frequency@nism.gov.kg	1
TC 1.4 "Flow Measurement"	F	Ms. Marina Denisova	+996 312 66 12 52 m.denisova@nism.gov.kg	1
TC 1.5 "Length and Angle"	L	Mr. Almanbet Sopiev	+996 312 62 57 15 Lenght@nism.gov.kg	1
TC 1.6 "Mass and Related Quantities"	M	Ms. Ekaterina Kotova	+996 312 66 02 38 e.kotova@nism.gov.kg	1
TC 1.7 "Photometry and Radiometry"	PR			
TC 1.8 "Physical Chemistry"	QM	Ms. Olga Tabullo	+996 312 66 14 57 fizhim.bcis@gmail.com	1
TC 1.9 "Ionising Radiation and Radioactivity"	RI			
TC 1.10 "Thermometry and Thermal Physics"	T	Ms. Marina Denisova	+996 312 66 12 52 m.denisova@nism.gov.kg	1
TC 1.11 "Time and Frequency"	TF	Ms. Elmira Abasbekova	+996 312 62 01 17 frequency@nism.gov.kg	1
TC 1.12 "Reference Materials"	RM	Ms. Ekaterina Kotova	+996 312 66 02 38 e.kotova@nism.gov.kg	1
TC 2 "Legal Metrology"	LM	Ms. Sabyrgul Dzholdosheva	+996 312 62 05 35 (192) sabyrgul@inbox.ru	2
Quality Forum QF member from the country (with voting rights)	AQ	Ms. Ekaterina Kotova	+996 312 66 02 38 e.kotova@nism.gov.kg	1
TC 3.1 "Quality Forum Technical Committee"	AQ	Ms. Ekaterina Kotova	+996 312 66 02 38 e.kotova@nism.gov.kg	1
TC 4 "Information and Training"	IT TR	Mr. Almaz Bayaliev	+996 312 66 03 43 a.bayaliev@nism.gov.kg	1
TC 5 "Innovative research in metrology"		Mr. Almaz Bayaliev	+996 312 66 03 43 a.bayaliev@nism.gov.kg	1

ADDRESS OF ORGANIZATION

1. Center for Standardization and Metrology under the Ministry of Economy and Commerce of the Kyrgyz Republic (CSM)

Address: 197 Panfilov Str., 720040 Bishkek, Kyrgyz Republic
 Tel: +996 312 62 68 70, +996 312 62 57 34
 Fax: +996 312 66 13 67
 Email: metrolog@nism.gov.kg, nism@nism.gov.kg, metr_kg@mail.ru
 Website: www.nism.gov.kg

2. The Ministry of Economy and Commerce of the Kyrgyz Republic (MEC KR)

Address: 106 Chui Avenue, 720002 Bishkek, Kyrgyz Republic

Telephone: +996 312 62 05 35 add. 266 – general dept.

+996 312 62 41 73 – reception

+996 312 62 05 35 add. 333 – helpline

Fax: +996 312 66 18 37

Email: mail@mineconom.gov.kg

Web: <http://mineconom.gov.kg>



STRUCTURAL BODIES MEMBERS

LITHUANIA

(up-to-date country information has not been submitted to the COOMET Secretariat in 2022)

Structural body & subject field	Contact person	Phone, Email	Address
TC 1.1 "General Metrology"	GM		
TC 1.2 "Acoustics, Ultrasound, Vibration"	AUV		
TC 1.3 "Electricity and Magnetism"	EM	Mr. Andrius Bartašiūnas andrius.bartasiunas@ftmc.lt	+370 5 261 8065 1
TC 1.4 "Flow Measurement"	F	Dr. Nerijus Pedišius nerijus.pedisius@lei.lt	+370 3 740 1861 2
TC 1.5 "Length and Angle"	L	Mrs. Lilija Chaleckienė lilija.chaleckiene@ftmc.lt	+370 5 230 6276 1
TC 1.6 "Mass and Related Quantities"	M	Ms. Evelina Lesutytė Evelina.lesutyte@ftmc.lt	+370 5 230 6276 1
TC 1.7 "Photometry and Radiometry"	PR		
TC 1.8 "Physical Chemistry"	QM	Dr. Evaldas Naujalis Evaldas.naujalis@ftmc.lt	+370 5 261 2758 1
TC 1.9 "Ionising Radiation and Radioactivity"	RI	Dr. Arūnas Gudelis Arunas.gudelis@ftmc.lt	+370 5 264 4855 1
TC 1.10 "Thermometry and Thermal Physics"	T	Dr. Lilijana Gaidamovičiūtė lilijana.gaidamoviciute@ftmc.lt	+370 5 216 9402 1
TC 1.11 "Time and Frequency"	TF	Dr. Rimantas Miškinis rimantas.miskinis@ftmc.lt	+370 5 262 0194 1
TC 1.12 "Reference Materials"	RM	Dr. Evaldas Naujalis Evaldas.naujalis@ftmc.lt	+370 5 261 2758 1
TC 2 "Legal Metrology"	LM		
Quality Forum QF member from the country (with voting rights)	AQ	Ms. Irena Lazdauskaitė irena.lazdauskaite@ftmc.lt	+370 5 249 9182 1
TC 3.1 "Quality Forum Technical Committee"	AQ	Ms. Irena Lazdauskaitė irena.lazdauskaite@ftmc.lt	+370 5 249 9182 1
TC 4 "Information and Training"	IT TR		
TC 5 "Innovative research in metrology"			

ADDRESSES OF ORGANIZATIONS

1. State Research Institute Center for Physical Sciences and Technology (FTMC)

Address: Savanorių avenue 231, LT-02300 Vilnius, Lithuania
 Telephone: +370 5 264 9211
 Email: metrology@ftmc.lt
 Website: <http://www.ftmc.lt>

2. Lithuanian Energy Institute (LEI)

Address: Breslaujos str. 3, LT-44403 Kaunas, Lithuania
 Phone: +370 37 401 863
 Email: Nerijus.Pedisius@lei.lt
 Website: <http://www.lei.lt>



STRUCTURAL BODIES MEMBERS

MOLDOVA

Structural body & subject field		Contact person	Phone, Email	Address
TC 1.1 "General Metrology"	GM	Mr. Constantin Bordianu	+373 22 903 103 bordianuc@inm.gov.md	1
TC 1.2 "Acoustics, Ultrasound, Vibration"	AUV			
TC 1.3 "Electricity and Magnetism"	EM	Mrs. Elena Makarova	+373 22 903 136 marimi.electrice@inm.gov.md	1
TC 1.4 "Flow Measurement"	F	Mr. Victor Grusca	+373 22 903 143 debite@inm.gov.md	1
TC 1.5 "Length and Angle"	L	Mrs. Hristina Mardari	+373 22 903 119 dimensionale@inm.gov.md	1
TC 1.6 "Mass and Related Quantities"	M	Mrs. Ana Rusu	+373 22 903 139 mase@inm.gov.md	1
TC 1.7 "Photometry and Radiometry"	PR	Mr. Anatoli Bescupschi	+373 22 903 141 anatolii.bescupschii@inm.gov.md fizico.chimice@inm.gov.md	1
TC 1.8 "Physical Chemistry"	QM	Mr. Anatoli Bescupschi	+373 22 903 141 anatolii.bescupschii@inm.gov.md fizico.chimice@inm.gov.md	1
TC 1.9 "Ionising Radiation and Radioactivity"	RI	Mr. Siarhei Saroka	+373 22 238 446 ionizante@inm.gov.md	1
TC 1.10 "Thermometry and Thermal Physics"	T	Mr. Constantin Bordianu	+373 22 903 103 bordianuc@inm.gov.md	1
TC 1.11 "Time and Frequency"	TF	Mr. Andrei Gherlih	+373 22 903 136 Marimi.electrice@inm.gov.md	1
TC 1.12 "Reference Materials"	RM	Mr. Anatolii Bescupschi	+373 22 903 141 anatolii.bescupschii@inm.gov.md fizico.chimice@inm.gov.md	1
TC 2 "Legal Metrology"	LM	Mrs. Viorica Bejan	+373 22 250 642 viorica.bejan@me.gov.md	2
Quality Forum QF member from the country (with voting rights)	AQ	Mr. Alexei Pianih	+373 22 903 101 office@inm.gov.md	1
TC 3.1 "Quality Forum Technical Committee"	AQ	Mr. Alexei Pianih	+373 22 903 101 office@inm.gov.md	1
TC 4 "Information and Training"	IT TR	Mr. Constantin Bordianu	+373 22 903 103 bordianuc@inm.gov.md	1
TC 5 "Innovative research in metrology"		Mr. Constantin Bordianu	+373 22 903 103 bordianuc@inm.gov.md	1

ADDRESSES OF ORGANIZATIONS

1. Public Institution National Institute of Metrology (INM-MD)

Address: 28, E. Coca str., MD 2064, Chisinau, Republic of Moldova

Phone: +373 22 903 100

Email: office@inm.gov.md

Website: www.inm.md

2. Ministry of Economy of the Republic of Moldova (Quality Infrastructure and Market Surveillance Department)

Address: 1, PiataMariiAdunariNationale str. MD-2033, Chisinau, Republic of Moldova

Phone: +373 22 250 642 / +373 22 250 645

Email: mineconcom@me.gov.md

Website: www.me.gov.md



STRUCTURAL BODIES MEMBERS

RUSSIA

Structural body & subject field		Contact person	Phone, Email	Address
TC 1.1 "General Metrology"	GM	Dr. Anna Chunovkina	+7 812 251 83 07 a.g.chunovkina@vniim.ru	1
TC 1.2 "Acoustics, Ultrasound, Vibration"	AUV	Dr. Alexander Isaev	+7 495 660 20 21 isaev@vniiftri.ru	3
TC 1.3 "Electricity and Magnetism"	EM	Dr. Sergey Kolotygin	+7 916 610 75 97 lab202@vniiftri.ru	3
TC 1.4 "Flow Measurement"	F	Mr. Roman Korneev	+7 843 272 12 02, +7 917 898 93 59 nio1@vniir.org	6
TC 1.5 "Length and Angle"	L	Dr. Konstantin Chekirda	+7 812 323 96 86 k.v.chekirda@vniim.ru	1
TC 1.6 "Mass and Related Quantities"	M	Dr. Viktor Snegov	+7 812 323 96 85 v.s.snegov@vniim.ru	1
TC 1.7 "Photometry and Radiometry"	PR	Dr. Boris Khlevnoy	+7 495 437 29 88 khlevnoy-m4@vniiofi.ru	4
TC 1.8 "Physical Chemistry"	QM	Prof. Leonid Konopelko	+7 812 315 11 45 +7 812 327 97 76 fhi@b10.vniim.ru L.A.Konopelko@vniim.ru	1
TC 1.9 "Ionising Radiation and Radioactivity"	RI	Dr. Nikolay Moiseev	+7 812 323 96 14 n.n.moiseev@vniim.ru	1
TC 1.10 "Thermometry and Thermal Physics"	T	Prof. Anatoly Pokhodun	+7 812 315 52 07 a.i.pokhodun@vniim.ru	1
TC 1.11 "Time and Frequency"	TF	Dr. Igor Norets	+7 495 660 57 22 +7 495 660 57 27 norets_igor@vniiftri.ru	3
TC 1.12 "Reference Materials"	RM	Dr. Sergey Medvedevskikh	+7 912 241 80 51 uniim@uniim.ru	1
TC 2 "Legal Metrology"	LM	Dr. Yuriy Androshchuk	+7 495 437 32 38 androshchuk@vniims.ru	2
Quality Forum QF member from the country	AQ	Mrs. Dina Chepurnaya (with voting rights)	+7 495 526 63 34 chepurnaya@vniiftri.ru	3
		Dr. Natalia Ivannikova (without voting rights)	+7 499 792 07 17 ivannikova@vniims.ru	2
		Dr. Ivan Filimonov (without voting rights)	+7 495 781 45 78 filimonov@vniiofi.ru	4
		Dr. Mikhail Okrepilov (without voting rights)	+7 921 911 50 38 m.v.okrepilov@vniim.ru	1
TC 3.1 "Quality Forum Technical Committee"	AQ	Mrs. Dina Chepurnaya	+7 495 526 63 34 chepurnaya@vniiftri.ru	3
TC 4 "Information and Training"	IT TR	Mrs. Ekaterina Kozmina	+7 495 781 44 31 kozmina@vniims.ru	2
TC 5 "Innovative research in metrology"		Mr. Evgeny Lazarenko (TC 5 member with voting rights)	+7 495 547 52 77 elazarenko@rst.gov.ru	7
		Dr. Lev Yurov (official observer)	+7 495 526 63 27 lev@vniiftri.ru	3

Structural body & subject field	Contact person	Phone, Email	Address
	Mr. Valeriy Gavrilov (official observer)	+7 495 781 86 54 gavrilov@vniiofi.ru	4
	Dr. Konstantin CHEKIRDA (official observer)	+7 812 323 96 86 k.v.chekirda@vniim.ru	1
	Mr. Roman Korneev (official observer)	+7 843 272 12 02, +7 917 898 93 59 nio1@vniir.org	6
	Ms. Maria Medvedevskikh (official observer)	+7 343 350 60 63 Lab241@uniim.ru	5
	Mr. Maxim Vonsky (official observer)	+7 812 323 96 44 m.s.vonsky@vniim.ru	1

ADDRESSES OF ORGANIZATIONS

1. All-Russian Scientific Research Institute of Metrology named after D.I. Mendeleev (VNIIM)

Address: 19 Moscovsky Prospect, 190005 Saint Petersburg, Russia
Phone: +7 812 251 76 01
Email: info@vniim.ru
Website: www.vniim.ru

2. All-Russian Scientific Research Institute of Metrological Service (VNIIMS)

Address: 46 Ozernaya Str., 119361 Moscow, Russia
Phone: +7 495 437 37 29
Email: office@vniims.ru
Website: www.vniims.ru

3. All-Russian Scientific Research Institute of Physical Technical and Radio Technical Measurements (VNIIFTRI)

Address: 141570 Mendeleevo settlement, building 11, Solnechnogorsky District, Moscow Region, Russia
Telephone: +7 495 526 63 00
Email: director@vniiftri.ru
Website: www.vniiftri.ru

4. All-Russian Scientific Research Institute of Optical and Physical Measurements (VNIIOFI)

Address: 46 Ozernaya Str., 119361 Moscow, Russia
Telephone: +7 495 437 56 33
Email: vniiofi@vniiofi.ru
Website: www.vniiofi.ru

5. Urals Scientific Research Institute of Metrology (UNIIM) –branch of VNIIM

Address: 4 Krasnoarmeiskaya Str., 620075 Ekaterinburg, Russia
Phone: +7 343 350 26 18
Email: uniim@uniim.ru
Website: www.uniim.ru

6. All-Russian Scientific Research Institute of Flow Metering (VNIIR) –branch of VNIIM

Address: 7a, 2 Azinskaya Str., 420088 Kazan, Russia

Phone: +7 843 272 70 62

Email: office@vniir.org

Website: www.vniir.org

7. Federal Agency on Technical Regulating and Metrology (Rosstandart)

Address: 7 Presnenskaya embankment, 10, building 2, 123112 Moscow, Russia

Phone: +7 495 547 51 51

Email: info@rst.gov.ru

Website: www.rst.gov.ru



STRUCTURAL BODIES MEMBERS

SLOVAKIA

Structural body & subject field	Contact person	Phone, Email	Address
TC 1.1 "General Metrology"	GM Mr. Roman Fira	+421 2 602 94 232 fira@smu.gov.sk	1
TC 1.2 "Acoustics, Ultrasound, Vibration"	AUV		
TC 1.3 "Electricity and Magnetism"	EM Mr. Juraj Dressler	+421 2 602 94 243 dressler@smu.gov.sk	1
TC 1.4 "Flow Measurement"	F Mr. Stefan Makovnik	+421 2 602 94 337 makovnik@smu.gov.sk	1
TC 1.5 "Length and Angle"	L Mr. Roman Fira	+421 2 602 94 232 fira@smu.gov.sk	1
TC 1.6 "Mass and Related Quantities"	M Mr. Laurenc Snopko	+421 2 602 94 218 snopko@smu.gov.sk	1
TC 1.7 "Photometry and Radiometry"	PR Mr. Marian Krempasky	+421 2 602 94 432 krempasky@smu.gov.sk	1
TC 1.8 "Physical Chemistry"	QM Mrs. Miroslava Valkova	+421 2 602 94 211 valkova@smu.gov.sk	1
TC 1.9 "Ionising Radiation and Radioactivity"	RI Mr. Matej Krivosik	+421 2 602 94 208 krivosik@smu.gov.sk	1
TC 1.10 "Thermometry and Thermal Physics"	T Mr. Peter Pavlasek	+421 948 495 747 pavlasek@smu.gov.sk	1
TC 1.11 "Time and Frequency"	TF Mr. Juraj Sluciak	+421 2 602 94 382 sluciak@smu.gov.sk	1
TC 1.12 "Reference Materials"	RM Mrs. Zuzana Durisova	+421 2 602 94 191 durisova@smu.gov.sk	1
TC 2 "Legal Metrology"	LM Mr. Emanuel Godal	+421 2 602 94 380 godal@smu.gov.sk	1
Quality Forum QF member from the country (with voting rights)	AQ Mr. Emanuel Godal	+421 2 602 94 380 godal@smu.gov.sk	1
TC 3.1 "Quality Forum Technical Committee"	AQ Mr. Emanuel Godal	+421 2 602 94 380 godal@smu.gov.sk	1
TC 4 "Information and Training"	IT TR		
TC 5 "Innovative research in metrology"	Dipl.Ing. Peter Pavlasek	+421 948 495 747 pavlasek@smu.gov.sk	1

ADDRESS OF ORGANIZATION

1. Slovak Institute of Metrology (SMU)

Address: 63 Karloveská, 842 55 Bratislava, Slovak Republic

Telephone: +421 2 602 94 709

Email: dolinska@smu.gov.sk

Website: www.smu.sk



STRUCTURAL BODIES MEMBERS

TAJIKISTAN

Structural body & subject field	Contact person	Phone, Email	Address
TC 1.1 "General Metrology"	GM Mr. Rakhimzoda Jurakhon	+992 37 233 68 86 +992 90 778 76 84 jurahon_st@mail.ru	1
TC 1.2 "Acoustics, Ultrasound, Vibration"	AUV Mr. Makhmadnazarzoda Khadiyatulloi Safar	+992 91 880 28 30 hadiy_93@mail.ru	1
TC 1.3 "Electricity and Magnetism"	EM Mr. Makhmadnazarzoda Khadiyatulloi Safar	+992 91 880 28 30 hadiy_93@mail.ru	1
TC 1.4 "Flow Measurement"	F Mr. Ashurov Bakhtiyor	+992 918 75 64 79 ashurov.73@yandex.ru	1
TC 1.5 "Length and Angle"	L Mr. Kamorat Ubaydullov	+992 93 774 60 09 karom92-92@mail.ru	1
TC 1.6 "Mass and Related Quantities"	M Mr. Abdudzhaliol Nasriddinov	+992 91 943 42 52 info@standard.tj	1
TC 1.7 "Photometry and Radiometry"	PR Mr. Isfandiyor Kayumov	+922 93 333 06 16 Isfandiyor_kayumov@mail.ru	1
TC 1.8 "Physical Chemistry"	QM Mr. Ashurov Bakhtiyor	+992 918 75 64 79 ashurov.73@yandex.ru	1
TC 1.9 "Ionising Radiation and Radioactivity"	RI Mr. Makhmadnazarzoda Khadiyatulloi Safar	+992 91 880 28 30 hadiy_93@mail.ru	1
TC 1.10 "Thermometry and Thermal Physics"	T Mrs. Khudoieva Musalama	+992 77 700 74 75 mkhudoieva@inbox.ru	1
TC 1.11 "Time and Frequency"	TF Mr. Makhmadnazarzoda Khadiyatulloi Safar	+992 91 880 28 30 hadiy_93@mail.ru	1
TC 1.12 "Reference Materials"	RM Mr. Ubaydullo Rakhmatulloev	+992 93 411 81 14 ubay.st@list.ru	1
TC 2 "Legal Metrology"	LM Mr. Ramazon Samadov	+992 93 538 55 55 saidzodars@gmail.com	1
Quality Forum QF member from the country (with voting rights)	AQ Mr. Shokirjonov Tolib	+992 37 233 33 60 +992 93 503 69 23 tt-st@mail.ru	1
TC 3.1 "Quality Forum Technical Committee"	AQ Mr. Shokirjonov Tolib	+992 37 233 33 60 +992 93 503 69 23 tt-st@mail.ru	1
TC 4 "Information and Training"	IT TR Mr. Rakhimzoda Jurakhon	+992 37 233 68 86 +992 90 778 76 84 jurahon_st@mail.ru	1
TC 5 "Innovative research in metrology"	Mr. Ramazon Samadov	+992 93 538 55 55 saidzodars@gmail.com	1

ADDRESS OF ORGANIZATION

1. TAJIKSTANDARD

Address: 42/2, N. Karabaev st., Dushanbe city, Tajikistan

Phone: +992 37 233 68 69

Email: info@standard.tj

Website: www.standard.tj



STRUCTURAL BODIES MEMBERS

TURKEY

Structural body & subject field	Contact person	Phone, Email	Address
TC 1.1 "General Metrology"	GM		
TC 1.2 "Acoustics, Ultrasound, Vibration"	AUV Dr. Enver Sadıkođlu	+90 262 679 5000 add. 2044 or 3101 enver.sadikoglu@tubitak.gov.tr	1
TC 1.3 "Electricity and Magnetism"	EM Mr. Mehedin Arifoviç	+90 262 679 5000 add. 4200 mehedin.arifovic@tubitak.gov.tr	1
TC 1.4 "Flow Measurement"	F		
TC 1.5 "Length and Angle"	L Dr. Damla Őendođdu	+90 262 679 5000 add. 3505 damla.sendogdu@tubitak.gov.tr	1
TC 1.6 "Mass and Related Quantities"	M Dr. Gökçe Sevim Sariyerli	+90 262 679 50 00 ext. 5403 gokce.sariyerli@tubitak.gov.tr	1
TC 1.7 "Photometry and Radiometry"	PR Dr. Özcan Bazkır	+90 262 679 5000 add. 3300 ozcan.bazkir@tubitak.gov.tr	1
TC 1.8 "Physical Chemistry"	QM		
TC 1.9 "Ionising Radiation and Radioactivity"	RI		
TC 1.10 "Thermometry and Thermal Physics"	T Dr. Hümbet Nasibli	+90 262 679 50 00 add. 3412 or 3457 humbet.nasibli@tubitak.gov.tr	1
TC 1.11 "Time and Frequency"	TF Assoc.Prof. Dr. Ramiz Hamid	+90 262 679 5000 add. 2020 ramiz.hamid@tubitak.gov.tr	1
TC 1.12 "Reference Materials"	RM Dr. Alper İőleyen	+90 262 679 50 00 ext. 6209 alper.isleyen@tubitak.gov.tr	1
TC 2 "Legal Metrology"	LM		
Quality Forum QF member from the country (with voting rights)	AQ Dr. Enver Sadıkođlu	+90 262 679 5000 add. 2044 or 3101 enver.sadikoglu@tubitak.gov.tr	1
TC 3.1 "Quality Forum Technical Committee"	AQ Dr. Enver Sadıkođlu	+90 262 679 5000 add. 2044 or 3101 enver.sadikoglu@tubitak.gov.tr	1
TC 4 "Information and Training"	IT TR		
TC 5 "Innovative research in metrology"	Assoc.Prof. Dr. Ramiz Hamid	+90 262 679 50 00 (2020) ramiz.hamid@tubitak.gov.tr	1

ADDRESSES OF ORGANIZATIONS

1. TÜBİTAK Ulusal Metroloji Enstitüsü (TÜBİTAK UME)

Address: Barış Mah. Dr. Zeki Acar Cad. No.1, 41470 Gebze Kocaeli TURKEY

Phone: +90 262 679 5000

Email: ume@tubitak.gov.tr

Website: www.ume.tubitak.gov.tr



STRUCTURAL BODIES MEMBERS

UKRAINE

Structural body & subject field	Contact person	Phone, Email	Address
TC 1.1 "General Metrology"	GM Dr. Alexander Prokopov	+38 057 704 97 06 alexander.prokopov@metrology.kharkov.ua	1
TC 1.2 "Acoustics, Ultrasound, Vibration"	AUV Mr. Alexander Kosterov	+38 032 239 93 23 kosterov@dndi-systema.lviv.ua	3
TC 1.3 "Electricity and Magnetism"	EM Prof. Oleh Velychko	+38 044 526 03 35 Velychko@ukrcsm.kiev.ua	2
TC 1.4 "Flow Measurement"	F Dr. Gennady Narodnitsky	+38 057 704 97 78 gennadiy.narodnitsky@metrology.kharkov.ua	1
TC 1.5 "Length and Angle"	L Mr. Aleksandr Kostrikov	+38 057 704 97 99 oleksandr.kostrikov@metrology.kharkov.ua	1
TC 1.6 "Mass and Related Quantities"	M Mrs. Iryna Kolozinska	+38 057 704 97 22 irina.kolozinskaya@metrology.kharkov.ua	1
TC 1.7 "Photometry and Radiometry"	PR Dr. Mykola Huriev	+38 057 704 97 72 mykola.huriev@metrology.kharkov.ua	1
TC 1.8 "Physical Chemistry"	QM Dr. Mikhail Rozhnov	+38 044 526 52 98 rozhnov@ukrcsm.kiev.ua	2
TC 1.9 "Ionising Radiation and Radioactivity"	RI Mr. Vladimir Evseyev	+38 057 704 98 93 vladimir.evseev@metrology.kharkov.ua	1
TC 1.10 "Thermometry and Thermal Physics"	T Ms. Sviatlana Fil	+38 057 704 97 82 Nc1.metrology@gmail.com	1
TC 1.11 "Time and Frequency"	TF Mr. Volodymyr Soldatov	+38 057 704 98 77 volodymyr.soldatov@metrology.kharkov.ua	1
TC 1.12 "Reference Materials"	RM Mr. Andrey Ivkov	+38 057 704 97 45 andriy.ivkov@metrology.kharkov.ua	1
TC 2 "Legal Metrology"	LM Dr. Juriy Kuzmenko	+38 044 526 53 69 jkuzmenko@ukrcsm.kiev.ua	2
Quality Forum QF member from the country	AQ Mrs. Viktoriya Postnikova (with voiting rights)	+38 057 704 98 49 viktorii.postnikova@metrology.kharkov.ua	1
	Mr. Vitalii Glushchenko (without voting rights)	+38 050 380 63 79, +38 099 233 69 37 vital@ukrcsm.kiev.ua vitaliy.gluschenko68@gmail.com	2
	Mr. Vasyl Parakuda (without voting rights)	+38 067 670 73 84 v.v.parakuda@gmail.com	3
	Dr. Denys Serediuk (without voting rights)	+38 067 259 07 94 sdo.if05@gmail.com	4
TC 3.1 "Quality Forum Technical Committee"	AQ Mrs. Viktoriya Postnikova	+38 057 704 98 49 viktorii.postnikova@metrology.kharkov.ua	1
TC 4 "Information and Training"	IT Prof. Pavel Neyezhmakov	+38 057 700 34 22 pavel.neyezhmakov@metrology.kharkov.ua	1
	TR Mr. Volodymyr Skliarov (TC 5 member with voting rights)	+38 057 700-34-42 vladimir.skliarov@metrology.kharkov.ua	1
TC 5 "Innovative research in metrology"	Mr. Ivan Kizlivskiy (official observer)	+38 032 239 92 22 ndv-12@ukr.net	3

ADDRESSES OF ORGANIZATIONS

1. National Scientific Centre "Institute of Metrology" (NSC "IM")

Address: 42 Mironositskaya Str., 61002 Kharkov, Ukraine
Telephone: +38 057 700 34 09
Email: info@metrology.kharkov.ua
Website: www.metrology.kharkov.ua

2. State Enterprise "All-Ukrainian State Research and Production Centre of Standardization, Metrology, Certification and Consumer Protection" (SE "Ukrmetrteststandart")

Address: 4 Metrologichna Str., 03680 Kyiv, Ukraine
Telephone: +38 044 526 52 29
Email: ukrcsm@ukrcsm.kiev.ua
Website: www.ukrcsm.kiev.ua

3. State Enterprise "Scientific-Research Institute for Metrology of Measurement and Control Systems" (DP NDI "Systema")

Address: 6 Kryvonis Str., 79008 Lviv, Ukraine
Telephone: +38 032 239 92 00
Email: institute.systema@gmail.com, office@dndi-systema.lviv.ua
Website: www.dndi-systema.lviv.ua

STATE ENTERPRISE "IVANO-FRANKIVSK SCIENTIFIC AND PRODUCTION CENTER FOR STANDARTIZATION, METROLOGY AND CERTIFICATION" (SE "IVANO-FRANKIVSK-STANDART-METROLOGY")

Address: 127, Vovchynetska Str., 76006 Ivano-Frankivsk, Ukraine
Telephone: +38 03425 3 56 17
Email: ifstandartmetrology@gmail.com
Website: www.ifdcsms.com.ua



STRUCTURAL BODIES MEMBERS

UZBEKISTAN

Structural body & subject field	Contact person	Phone, Email	Address
TC 1.1 "General Metrology"	GM Mr. Marat Yunusov	+998 71 2020011 (1214) marat@nim.uz	1
TC 1.2 "Acoustics, Ultrasound, Vibration"	AUV Mrs. Lyubov Gazieva	+998 78 1502605 l.gazieva@nim.uz	1
TC 1.3 "Electricity and Magnetism"	EM Mr. Djalalkhan Arifkhanov	+998 78 1506507 d.arifkhanov@nim.uz	1
TC 1.4 "Flow Measurement"	F Mr. Nuriddin Raymjonov	+998 71 2020011 (1201) raymjonov@nim.uz	1
TC 1.5 "Length and Angle"	L Mrs. Nozimakhon Yunusova	+998 78 1502606 nozima_yunusova@nim.uz	1
TC 1.6 "Mass and Related Quantities"	M Mr. Javokhirjon Nosirov	+998 78 1502614 j.nosirov@nim.uz	1
TC 1.7 "Photometry and Radiometry"	PR Mr. Kamoliddin Najmutdinov	+998 71 2020011 (1209) otdel-09@nim.uz	1
TC 1.8 "Physical Chemistry"	QM Mr. Jamol Rustamov	+998 78 1506509 rustamov@nim.uz	1
TC 1.9 "Ionising Radiation and Radioactivity"	RI Mr. Sheroz Ismatullaev	+998 71 2020011 (1205) sh.ismatullaev@nim.uz	1
TC 1.10 "Thermometry and Thermal Physics"	T Mr. Bekhruz Yusupov	+998 78 1502614 bekhruz@nim.uz	1
TC 1.11 "Time and Frequency"	TF Mrs. Lyubov Gazieva	+998 78 1502605 l.gazieva@nim.uz	1
TC 1.12 "Reference Materials"	RM Mr. Nuriddin Raymjonov	+998 71 2020011 (1201) raymjonov@nim.uz	1
TC 2 "Legal Metrology"	LM Mr. Marat Yunusov	+998 71 2020011 (1214) marat@nim.uz	1
Quality Forum QF member from the country (with voting rights)	AQ Mr. Marat Yunusov	+998 71 2020011 (1214) marat@nim.uz	1
TC 3.1 "Quality Forum Technical Committee"	AQ Mr. Marat Yunusov	+998 71 2020011 (1214) marat@nim.uz	1
TC 4 "Information and Training"	IT TR Mr. Marat Yunusov	+998 71 2020011 (1214) marat@nim.uz	1
TC 5 "Innovative research in metrology"	Mr. Mamurzhon Mavlyanov	+998 71 2020011 (1270) m.mavlyanov@nim.uz	1

ADDRESS OF ORGANIZATION

1. Uzbek National Institute of Metrology (UzNIM)

Address: 333 A, 333 B, Farobiy street, Almazar district, 100174, Tashkent, Republic of Uzbekistan

Phone: +998 71 2020011 (1214)

Email: info@nim.uz

Website: www.nim.uz

INFORMATION ON THE ORGANIZATION OF METROLOGICAL ACTIVITIES OF COOMET MEMBER COUNTRIES



ARMENIA

COOMET MoU year of signing:	24 April 2007
Area:	29,740 km ²
Population:	2.965 million

1. Law on metrology

Law of the Republic of Armenia of February 8, 2012 No. HO-22-N "Ensuring the Uniformity of Measurement".

2. Metrological infrastructure

The state management for ensuring the uniformity of measurements in the fields of legal metrology is implemented by the authorized body of metrology - **the Ministry of Economy of the Republic of Armenia.**

The Ministry of Economy of the Republic of Armenia

Minister of Economy: Mr. Vahan Qerobyan

Address: 5 M. Mkrtchyan str., 0010 Yerevan, Republic of Armenia
Telephone: +374 011 59 71 10
Web: <http://www.mineconomy.am>
Email: secretariat@mineconomy.am

Main areas of activity:

- implementation of state policy development and coordination in the field of legal metrology;
- coordination of activities of the National Metrology Body;
- representation of the Republic of Armenia in international organizations;
- definition of the certificate form of measuring instrument type approval and the image of type approval mark;
- definition of the procedure for maintaining the type approval register;
- definition of the original image of the verification mark of measuring instrument;
- conducting administrative proceedings in the field of legal metrology;
- implementation of state control in the field of legal metrology;
- adoption and implementation of guidelines of the International Organization on Legal Metrology.

"National Body for Standardization and Metrology" CJSC, designated by the Government of the Republic of Armenia as a National Body of Metrology, implements the state policy in the field of metrology within its competence.

Acting Director: Dr. Albert Babayan

Address: 49/4 Komitas ave., 0051 Yerevan, Republic of Armenia
Telephone: +374 10 23 26 00
Email: info@metrology.am
Web: <http://www.metrology.am>

Main areas of activity in metrology:

- creation, maintenance, improvement of national standards of units;
- ensuring comparability of national standards with the standards of the national institutes of metrology of other countries;
- membership of international and regional organizations within its competence;
- definition of standard sample certification procedure and implementation of standard sample certification;
- examining the metrological characteristics of the measuring instruments in operation;
- implementation of calibration work to ensure traceability;
- implementation of metrological certification of measurement methods in the field of legal metrology;
- type-approval of measuring instruments, definition of validity of type-approval certificate of measuring instrument;
- maintenance of the register of approved measuring instruments and standard samples;
- participation in accreditation activities of legal entities and individual entrepreneurs carrying out calibration of measuring instruments;
- carrying out verification of measuring instruments;
- in the area of ensuring the uniformity of measurements organization and implementation of training, specialization, training of personnel in the field of legal metrology, as well as training and accreditation of the personnel of calibration and testing laboratories in the above-mentioned field, and the provision of relevant certificates;
- implementation of metrological expertise of the draft technical regulations provided by the legal acts adopted in accordance with the international treaties of the Republic of Armenia ratified by the legislation of the Republic of Armenia.

3. National measurement standards

<https://www.metrology.am/hy/offers/azgayin-chapanmoushner.html/>

4. Status of participation in Metre Convention

"National Body for Standardization and Metrology" CJSC is not a CIPM MRA signatory or a CGPM associate member.

5. Confirmations of recognition of QMS of NMIs (within COOMET)

-

6. State CMC data

-

7. OIML membership status

-



AZERBAIJAN

COOMET MoU year of signing:	24 April 2007
Area:	86,600 km ²
Population:	10.156 million

1. Law on metrology

Law of the Republic of Azerbaijan "About ensuring unity of measurements " of June 13, 2013 No. 686-IVQ.

2. Metrological infrastructure

The formation state policy in the field of metrology in the Republic of Azerbaijan is carried out State Service for Antimonopoly and Consumer Market Control under the Ministry of Economy of the Republic of Azerbaijan (www.competition.gov.az).

The Legal entity of public law "Azerbaijan Institute of Metrology" (AzMi) established in accordance with the Decree of the President of the Republic of Azerbaijan of February 10, 2017, No. 1234 "About the additional measures connected with enhancement of management in the sphere of standardization, metrology, accreditation and protection of subjects of the patent law".

LEPL "Azerbaijan Institute of Metrology" (AzMi) operates under the State Service for Antimonopoly and Consumer Market Control under the Ministry of Economy of the Republic of Azerbaijan.

The Azerbaijan Institute of Metrology includes 5 regional territorial departments.

In the field of ensuring the uniformity of measurements in the republic, there are also private and subordinate metrology services.

Deputy General Director -

Acting General Director: Mr. Zahid Sharifov

Address: Elchin Isagzadeh settlement, 7th Kondalan street, AZ1029, Baku, Azerbaijan

Telephone: +994 12 514 96 05 /100

Fax: +994 12 514 94 36

Email: info@metrology.gov.az

Web: www.metrology.az

The main tasks and activities of the Azerbaijan Institute of Metrology:

- storage, application and improvement of national (state) standards of units of quantities;
- formation and development of the base of state standards;
- ensuring the transfer of units of quantities from state standards;
- ensuring traceability of national (state) standards to the international standards of units of quantities or national standards of units of quantities of other Member States of the Metre Convention;
- participation in the comparisons of national (state) standards in the framework of regional and international metrology organizations;
- implementation of activities in the field of ensuring the uniformity of measurements, performing work and providing services for calibration and verification of measuring instruments;

- implementation of radioactivity analysis for determine of radionuclide isotopes in building materials and non-food products;
- testing of measuring instruments for the purpose of type approval, as well as attestation of test equipment;
- metrological examination of technical documentation;
- participation in the improvement of the legislative framework in the field of ensuring the uniformity of measurements;
- providing entrepreneurs with scientific and methodological assistance in metrological support of production and advice on metrology;
- organization of qualification and retraining of staff, performing works in the field of metrology;
- implementation of other functions stipulated by the Charter of the Institute.

3. National measurement standards

<http://metrology.az>

4. Status of participation in the Metre Convention

Azerbaijan is an Associate Member of the CGPM since 2015.

Signatory of the Mutual Recognition Agreement (CIPM MRA): AzMI (January 28, 2015)

Designated Institute: AzMI

(Has the right to use the CIPM MRA logo since March 29, 2021)

<https://www.bipm.org/en/about-us/associates/az/>

5. Confirmations of recognition of QMS of NMIs (within COOMET)

AzMI QMS confirmation of recognition: (ISO/IEC 17025): QSF-R53 until 31.01.2023

6. State CMC data

KCDB: <https://www.bipm.org/kcdb/cmc/quick-search?keywords=azerbaijan>

COOMET database: http://www.coomet.org/DB/com/index.htm?RU,CMC_RU,RU

7. OIML membership status

OIML Corresponding Member

https://www.oiml.org/en/structure/members/memberslist_view?varCorresponding=1



BELARUS

COOMET MoU year of signing:	8 December 1992
Area:	207,600 km ²
Population:	9.452 million

1. Law on metrology

Law of the Republic of Belarus of September 5, 1995 No. 3848-XII "On Ensuring the Uniformity of Measurements" (as amended by Laws of the Republic of Belarus of 11.11.2019 No.254-3).

2. Metrological infrastructure

Gosstandart is a public administration body, maintaining the common public policy in the field of ensuring the uniformity of measurements.

Gosstandart establishes the State Metrology Service, which includes the National Metrology Institute and other legal entities, subordinate to Gosstandart and authorized by it for testing for the purpose of approval of the type of measuring instrument or reference material and for performing works on the metrological test in the field of legal metrology.

For ensuring the uniformity of measurements metrology services of public authorities, of legal entities, subordinate to public authorities, and of other legal entities can be established in the Republic of Belarus.

For ensuring the uniformity of measurements an Intersectoral Commission for Time, Frequency and Determining the Parameters of the Earth's Rotation has been established in the Republic of Belarus, which coordinates activities related to the procedure for calculating time on the territory of the Republic of Belarus, use of measuring instruments for reference frequencies and time, as well as determination of the parameters of the Earth's rotation.

Temporary intersectoral commissions can be established to deal with operational issues in the field of ensuring the uniformity of measurements.

National information fund of the Republic of Belarus in the field of ensuring the uniformity of measurements:

<http://www.oei.by>

The State Metrology Service is headed by the National Metrology Body – **State Committee for Standardization of the Republic of Belarus (Gosstandart of Belarus)**.

Chairperson:	Mr. Valentin Tataritsky
Address:	93 Starovilensky Trakt, 220053 Minsk, Republic of Belarus
Telephone:	+375 17 379 62 13
Fax:	+375 17 363 25 88
Email:	belst@gosstandart.gov.by
Web:	https://gosstandart.gov.by

The major activities of Gosstandart are as follows:

- coordination of activities, related to the creation and operation of the System of Ensuring the Uniformity of Measurements of the Republic of Belarus;
- ensuring the establishment and operation of the State Metrology Service;
- making proposals to the Council of Ministers of the Republic of Belarus on the allowance for application of the quantity units in the Republic of Belarus;

- setting requirements to national measurement standards of quantity units and measurement standards of quantity units, as well as rules for their development, approval, update and maintenance; approval of national measurement standards of quantity units;
- setting requirements for measurement techniques (methods) to be applied in measurements in legal metrology, for rules of their development and application;
- setting requirements for determining the quantity of prepackages;
- arranging for the creation and maintenance of the State Information Fund for ensuring the uniformity of measurements;
- performing state metrological supervision in accordance with the legislation on control (supervisory) activities;
- identification of a legal entity from among the legal entities, subordinate to it, to act as the national metrology institute and a body for accreditation of legal entities and sole proprietors, conducting verification and (or) calibration;
- approving the requirements to be met by the legal entities, that perform state verification and (or) calibration of measuring instruments, used in measurements in legal metrology;
- approving the requirements for the competence of state verification officers and the procedure of its confirmation;
- approving the accreditation rules, which regulate procedures and other issues of accreditation of legal entities and sole proprietors, performing verification and (or) calibration;
- approving the procedure for the certification of state inspectors on state metrology supervision;
- approval of criteria and procedure for assigning technical devices to measuring instruments;
- approval of the rules for conducting metrological audit;
- making decisions on assigning technical devices to measuring instruments;
- approving the regulation on the authorization of legal entities, belonging to the state metrology service, for testing for the purpose of approval of the type of a measuring instrument or reference material, for performing works on the metrological test in the field of legal metrology, other legal entities for performing state verification and authorization of legal entities for performing the above activities;
- defining a list of categories of measuring instruments, representing a combination of measuring instruments having the same function, used in measurements in legal metrology, the specimens of the approved type of which are subject to state verification with a set frequency;
- adopting an order for the type approval of a measuring instrument or reference material, issuing certificates of the type approval of a measuring instrument or reference material;
- defining the form of metrological traceability in approving national measurement standards of quantity units and in approving the type of a measuring instrument;
- defining the form and procedure for the application of type approval marks of measuring instruments, approval of the type of a reference material, verification, calibration;
- taking actions on the recognition of national measurement standards of quantity units by foreign states, as well as on the realization of mutual recognition of the results of testing for the purpose of approval of the type of a measuring instrument or reference material, results of verification and (or) calibration, qualification of measurement procedures (methods) based on international agreements of the Republic of Belarus, and the law of the Eurasian Economic Union;
- participation in the preparation and consideration of draft resolutions and recommendations of the Eurasian Economic Commission, carrying out procedures of the cancellation or changing of the resolutions, adopted by the Board of the Eurasian Economic Commission, and preparation of initiatives for consideration during the meetings of the Council of Eurasian Economic Commission and (or) the Board of the Eurasian Economic Commission, interaction with public authorities (organizations), other organizations on these issues;
- conclusion of international contracts of interdepartmental nature of the Republic of Belarus within the scope of its powers;
- representation of the Republic of Belarus in international organizations on metrology as the national body on metrology within the scope of its powers.

The State Metrology Service includes BelGIM, BelGISS and 15 regional metrological centers of Gosstandart (Decree of Gosstandart of 27.11.2020 No. 76 "About State Metrology Service").

National Metrology Institute of the Republic of Belarus – **Belarusian State Institute of Metrology (BelGIM)**.

Director: Dr. Valery Hurevich

Address: 93 Starovilensky trakt, 220053 Minsk, Republic of Belarus

Telephone: +375 17 374 55 01

Fax: +375 17 244 99 38

Email: info@belgim.by, coomet@belgim.by

Web: <http://www.belgim.by>

The major activities of BelGIM are as follows:

- conduct of fundamental and applied scientific research in metrology;
- participation in formulation and implementation of the concepts of development of the State Metrology Service;
- participation in the improvement of legislation on ensuring the uniformity of measurements, in the preparation of draft documents, constituting the law of the Eurasian Economic Union (if the Republic of Belarus is identified as the party, responsible for the preparation of such drafts in accordance with the law of the Eurasian Economic Union);
- preparation of draft state scientific and technical programs, aimed at the preparation and upgrade of national measurement standards of quantity units and at the implementation of program tasks;
- making proposals on the development of innovative projects in the field of ensuring the uniformity of measurements, aimed at the establishment and improvement of the measurement standard base of the Republic of Belarus, and participation in their implementation;
- examination of measurement standards of quantity units and submission of measurement standards for approval as national measurement standards of quantity units based on the results of examination;
- maintenance of national measurement standards of quantity units, organization of comparisons of national measurement standards of quantity units with international measurement standards of quantity units or with national measurement standards of quantity units of foreign states, ensuring the verification and (or) calibration of national measurement standards of quantity units;
- performing works on the recognition of national measurement standards of quantity units by foreign states, inter alia as part of implementation of multilateral agreements, signed by the Republic of Belarus, by national metrology institute;
- preparation and issue of recommendations in the field of metrology;
- coordination and scientific and methodological support of comparisons of measurement results;
- performing works on metrological test in legal metrology (testing for type approval of a measuring instrument or reference material, verification, calibration, metrological examination, certification of measurement procedures (methods), comparisons of measurement results);
- interaction with the legal entities, belonging to the state metrology service, metrology services of public authorities, of legal entities, subordinate to public authorities, and of other legal entities;
- creation and maintenance of the State Information Fund for ensuring the uniformity of measurements, cooperation with the media on the issues of ensuring the uniformity of measurements;
- participation in the work of international and regional organizations on metrology within the scope of the powers, specified by Gosstandart.

3. National measurement standards

65 national measurement standards.

<http://www.oei.by/section?id=65>

4. Status of participation in the Metre Convention

Member of the Metre Convention since 2020.

The Mutual Recognition Agreement (CIPM MRA) is signed by:

Gosstandart of the Republic of Belarus (October 14, 2003)

Designated Institute: BelGIM

(Has the right to use the CIPM MRA logo since November 13, 2006)

<https://www.bipm.org/en/countries/by>

5. Confirmations of recognition of QMS of NMIs (within COOMET)

BelGIM QMS confirmation of recognition (ISO/IEC 17025): QSF-R82 until 30.09.2026 .

BelGIM QMS confirmation of recognition (ISO 17034): QSF-R83 until 30.09.2026 .

6. State CMC data

KCDB: <https://www.bipm.org/kcdb/cmc/quick-search?keywords=belarus>

COOMET database: http://www.coomet.org/DB/com/index.htm?RU,CMC_RU,RU

7. OIML membership status

OIML Member state.

https://www.oiml.org/en/structure/members/contactmember_view?IDCountry=20&CountryName=BELARUS&iso=BY&M=1



BOSNIA and HERZEGOVINA

COOMET MoU year of signing:	5 June 2013 (associate member)
Area:	51,197 km ²
Population:	3.840 million

1. Law on metrology

The Law on Metrology of Bosnia and Herzegovina (Official Gazette of Bosnia and Herzegovina No. 19/01).

2. Metrological infrastructure

Metrological infrastructure of Bosnia and Herzegovina:

- Institute of Metrology of Bosnia and Herzegovina (IMBIH);
- Two designated institutes (owners of national standards);
- Organizations working in the field of metrology;
- Accredited calibration laboratories;
- Designated metrology laboratories and bodies (for example, calibration laboratories);
- Conformity assessment bodies for measuring instruments.

Institute of Metrology of Bosnia and Herzegovina (IMBIH) – representing National Metrology Institute in Bosnia and Herzegovina, directly responsible to the Council of Ministers of Bosnia and Herzegovina.

IMBIH is responsible for the establishment of a comprehensive measuring system in Bosnia and Herzegovina with traceability to the International System of Units SI.

Areas of IMBIH's work are:

- Scientific Metrology;
- Legal Metrology;
- Industrial Metrology.

General Director: Dr. Zijad Dzemic

Address: Branilaca Sarajeva 25, 71000, Sarajevo, Bosnia and Herzegovina

Telephone: +387 0 33 568 901

Fax: +387 0 33 568 909

Email: info@met.gov.ba

Web: <http://www.met.gov.ba>

IMBIH's responsibilities regarding Scientific Metrology:

- Realization and maintenance of national measurement standards ensuring their traceability to the internationally recognized measurement standards – realization of SI base and derived units;
- Establishment of distributed measurement system by appointing other legal entity for performing responsibilities of national measurement standard holder;
- Membership in RMOs and active participation in their activities;
- Promotion of metrology;
- To support research and development in all areas of metrology.

IMBIH's responsibilities regarding Legal Metrology:

- Issuance of bylaws in accordance with Law on Metrology;
- Supervision of the implementation of Law on Metrology;
- Nomination of laboratories dealing with verification;
- Nomination of bodies for conformity assessment (MID and NAWI and non-harmonized area);
- Nomination of bodies for control of prepacked products;
- Issuance and acceptance of type approval.

IMBIH's Membership in International Organizations:

EMRP (European Metrology Research Programme) - Member since 2013

EURAMET (European Association of National Metrology Institutes) - Member since 2009

IAAO (International Association Assay Office) - Observer since 2010

WELMEC (European cooperation in legal metrology) - Member since 2019

GULFMET (Regional Metrology Organization of Gulf countries) - Associate Member since 2013

3. National measurement standards

<http://met.gov.ba/Default.aspx?pageIndex=1&langTag=en-US>.

4. Status of participation in the Metre Convention

Bosnia and Herzegovina is an associate member of the CGPM since 2011.

Mutual Recognition Agreement (CIPM MRA) signatory:

Institute of Metrology of Bosnia and Herzegovina (IMBIH) (June 15, 2011)

(has the right to use the CIPM MRA logo from August 10, 2012).

Designated Institutions:

In the field of chemistry, water, fresh water and polluted water: Institut za vode d.o.o. Bijeljina ([IW](#)).

In the field of mass and related quantities, fluid flow, volumetric gas flow: KJKP Sarajevogas d.o.o. Sarajevo ([LABSAGAS](#))

<https://www.bipm.org/en/about-us/associates/ba/>

5. Confirmations of recognition of QMS of NMIs (within COOMET)

Bosnia and Herzegovina receives its NMI QMS recognition within EURAMET.

IMBIH has fully implemented following standards in its QMS: ISO/IEC 17025; ISO/IEC 17020; ISO/IEC 17043; ISO 9001; ISO/IEC 27001.

6. State CMC data

Bosnia and Herzegovina publishes its CMC data within EURAMET.

KCDB: <https://www.bipm.org/kcdb/cmc/quick-search?keywords=bosnia+and+herzegovina>

7. OIML membership status

OIML Corresponding member since March 1997.

https://www.oiml.org/en/structure/members/contactmember_view?IDCountry=27&CountryName=BOSNIA%20AND%20HERZEGOVINA&iso=BA&M=2



BULGARIA

COOMET MoU year of signing:	12 June 1991
Area:	110,994 km ²
Population:	6.921 million

1. Law on metrology

"Law on measurements", effective from 09.11.2002, published in SG, issue 46/7.05.2002, last amended SG, Issue 72/13.9.2019.

2. Metrological infrastructure

The policy in the field of metrology is defined by the Council of Ministers of the Republic of Bulgaria on a proposal from the Minister of Economy. In the process of policy making the Minister of Economy is supported by the president of the Bulgarian Institute of Metrology and the president of the State Agency for Metrological and Technical Surveillance.

Ministers and heads of state bodies organize the activities to ensure traceability, accuracy and reliability of measurements in their legal entities.

The Bulgarian Institute of Metrology (BIM) is a legal entity to the Minister of Economy, at budget support. BIM has functions of the national metrology institute and national legal metrology authority.

The State Agency for Metrological and Technical Surveillance (SAMTS) is a legal entity to the Minister of Economy, at budget support, that is in charge of carrying out metrological surveillance according to the Law on measurements.

The Bulgarian Institute of Metrology (BIM)

President: Mrs. Snezhana Spasova
Address: 52-B, Blvd G.M.Dimitrov 1797 Sofia, Bulgaria
Telephone: +359 2 9702 773
Fax: +359 2 9702 777
Email: s.spasova@bim.government.bg
Web: bim.government.bg

Scientific metrology

- ✓ BIM through the General Directorate "National Centre of Metrology" (GD NCM):
 - establishes and maintains the national measurement standards of the Republic of Bulgaria;
 - organizes establishment and development of the national system of certified reference materials;
 - carries out metrological research and provides measurement-related services in areas of public, scientific and economic interest;
 - performs activities for international recognition of measurement results carried out in the country.

Legal metrology

In non-harmonized European legislation:

- ✓ BIM through the General Directorate "Measures and Measuring Instruments" (GD MMI):
 - carries out control of measuring instruments (type approval, initial and subsequent verifications);
 - carries out metrological expertise of measuring instruments.

- ✓ SAMTS through the General Directorate "Metrological Supervision":
 - performs metrological supervision for compliance with the requirements of the Law on measurements;
 - controls pre-packages and packaging designed as measuring vessels;
 - authorizes bodies for initial and subsequent verifications of some categories of measuring instruments – energy meters, gas meters, water meters, heat meters, etc.

In harmonized European legislation:

BIM is a Notified Body (Nr. 1957) for conformity assessment of non-automatic weighing instruments (NAWID) and some categories of measuring instruments (MID). Other bodies, notified by SAMTS, also exist.

Industrial metrology

Accredited private or public laboratories carry out calibration of measuring instruments.

Contacts:

General Directorate "National Centre of Metrology" (GD NCM) implements the BIM policy in the field of fundamental metrology.

General Director: Mrs. Antoaneta Yovcheva

Address: 52 B, G.M. Dimitrov Blvd., 1797 Sofia, Bulgaria

Telephone: +359 2 9702 703

Fax: +359 2 9702 777

Email: a.yovcheva@bim.government.bg

General Directorate "Measures and Measuring Instruments" (GD MMI) implements the BIM policy in the field of legal metrology.

General Director: Mr. Valentin Starev

Address: 52 B, G.M. Dimitrov Blvd., 1797 Sofia, Bulgaria

Telephone: +359 2 9702 739

Fax: +359 2 9702 777

Email: v.starev@bim.government.bg

SAMTS:

President: Mr. Petar Gornovski

Address: 52A, G. M. Dimitrov Blvd., 1797 Sofia, Bulgaria

Telephone: +359 2 980 89 20

Fax: +359 2 986 17 07

General Directorate "Metrological Supervision" (GD MS) of SAMTS

General Director: Mrs. Rayna Tsekova

Address: 13 Lachezar Stanchev St., 1797 Sofia, Bulgaria

Telephone: +359 2 986 22 66 / +359 2 9396 740

Fax: +359 2 9396 701

Email: Rayna.Tsekova@damtn.government.bg

3. National measurement standards

Bulgaria has 11 national standards.

<https://bim.government.bg/uploaded/files/490-RegistarNE.pdf>

4. Status of participation in the Metre Convention

Member of the Metre Convention since 1911.

Signatory of the Mutual Recognition Agreement (CIPM MRA):

Bulgarian Institute of Metrology (October 14, 1999)

(Has the right to use the CIPM MRA logo since September 12, 2006)

<https://www.bipm.org/en/about-us/member-states/bg/>

5. Confirmations of recognition of QMS of NMIs (within COOMET)

Bulgaria receives its NMI QMS recognition within EURAMET.

6. State CMC data

Bulgaria publishes its CMC data within EURAMET.

KCDB: <https://www.bipm.org/kcdb/cmc/quick-search?keywords=bulgaria>

7. OIML membership status

OIML Member state.

https://www.oiml.org/en/structure/members/contactmember_view?IDCountry=33&CountryName=BULGARIA&iso=BG&M=1



CHINA

COOMET MoU year of signing:	20 April 2016 (associate member)
Area:	9,634 million km ²
Population:	1.4 billion

1. Law on metrology

Metrology Law of People's Republic of China (Amended Oct.26, 2018).

2. Metrological infrastructure

All activities in the field of metrology in China is regulated by the **Metrology Law of the People's Republic of China**, which is adopted at the 12th Meeting of the Standing Committee of the Sixth National People's Congress and promulgated by Order No. 28 of the President of the People's Republic of China on September 6, 1985, and effective as of July 1, 1986. This Law is formulated to strengthen the metrological supervision and administration, to ensure the uniformity of the national system of units of measurement and the accuracy and reliability of the values of quantities, so as to contribute to the development of production, trade and science and technology, to meet the needs of socialist modernization and to safeguard the interests of the state and the people.

The **State Administration for Market Regulation of P. R. China (SAMR)** is the ministerial, administrative body directly under the State Council of the People's Republic of China in charge of the following duties:

- to conduct comprehensive supervision and management of the market;
- to execute uniform registration of market economic operators and strengthen and information transparency and sharing mechanism to organized integrated market surveillance enforcement and undertake antimonopoly law enforcement, so as to normalize and maintain the market order;
- to organize the fulfilment of the national quality strategy, promoting industry quality advancement, promoting imported food safety and supervising the special equipment safety as well;
- to be responsible for the building up national systems and infrastructure of measurement, standards, testing, certification and accreditation;

In addition, SAMR is also entrusted to oversee the newly restated State Drug Administration and newly restructured State Bureau of Intellectual Property.

The **Department of Metrology of SAMR** is responsible for metrology administration.

Contact person: Zheng Huaxin

Address: No.9 Madiandonglu Haidian District, Beijing, 100088 P. R. China

Telephone: 86 10 82261849

Fax: 86 10 82260131

Email: the email system is under development currently

Founded in 1955, **National Institute of Metrology of the People's Republic of China (NIM)** is a non-profit research organization under the State Administration for Market Regulation of P. R. China (SAMR).It is China's national metrology institute (NMI) and the state-level technical center for legal metrology. It stays at the top of China's traceability chain.

As of December 2018, NIM has about 1000 staff members. NIM has two campuses. The Hepingli Campus focuses on R&D in traditional areas and service provision and is NIM's customer service center. The Changping Campus focuses on cutting-edge research that has a high requirement on laboratory conditions.

3. National measurement standards

As of December 2018, NIM maintains 128 national primary standards and 359 national measurement standards.

4. Status of participation in the Metre Convention

Member of the Metre Convention since 1977.

Signatory of the Mutual Recognition Agreement (CIPM MRA):

NIM (October 14, 1999), has the right to use the CIPM MRA logo from November 27, 2006.

Applied Institute: Hangzhou Applied Acoustics Research Institute (HAARI) (from January 1, 2013)

<https://www.bipm.org/en/about-us/member-states/cn/>

A representative of NIM (Dr Y. Duan) is a member of CIPM (since 2010).

NIM has representatives in 10 BIPM Consultative Committees.

5. Confirmations of recognition of QMS of NMIs (within COOMET)

China receives its NMI QMS recognition within APMP.

6. State CMC data

China publishes its CMC data within APMP.

KCDB: <https://www.bipm.org/kcdb/cmc/quick-search?keywords=china>

7. OIML membership status

OIML Member state.

https://www.oiml.org/en/structure/members/contactmember_view?IDCountry=44&CountryName=P.R.%20CHINA&iso=CN&M=1



CUBA

COOMET MoU year of signing:	13 November 1991 (associate member)
Area:	110,860 km ²
Population:	11.1 million

1. Law on metrology

Decree - Law No.8 Standardization, Metrology, Quality and Accreditation.

2. Metrological infrastructure

The National Research Institute on Metrology (INIMET) of Cuban National Bureau of Standards as NMI, is the institution responsible for measurement standards and scientific metrology. It is in charge of the following main activities:

- to implement, improve, maintain and compare, at the international level, the Cuban national measurement standards and transfer their values to secondary standards;
- to carry out research and scientific-technical development in the field of metrology;
- to calibrate working standards and instruments of secondary laboratories;
- to carry out type evaluation of measurement instruments;
- to participate in the elaboration of standards and technical regulations for verification and calibration of measuring instruments;
- to educate and train specialists for legal metrology and industrial calibration laboratories.

Director: Mr. Nelson Julian Villalobos Hevia

Address: Consulado No.206, e/ Animas y Trocadero, Centro Habana, La Habana, CP 10200, Republic of Cuba

Telephone: +537 862 05 36 / +537 863 90 62

Fax: +537 867 69 66

Email: villalobos@inimet.cu

Web: <http://www.inimet.cubaindustria.cu/>

The Center of Isotopes (CENTIS) is the designated laboratory in the field of Radioactivity. CENTIS belongs to the Agency of Nuclear Energy and Advanced Technologies of the Ministry for Science, Technology and Environment (CITMA). The main objective of this center is the production and R&D of radiopharmaceuticals, RIA kits and radioactive labelled compounds for the Cuban Health System as well as to perform specialized technical services and application of Nuclear Techniques to solve economical national problems, including those related to metrology of ionizing radiation. The Department of Radionuclides Metrology of the Center of Isotopes, the CENTIS-DMR, is responsible for the establishment, developing, conservation, custody and diffusion of National Standards of Radionuclide Activity units (Becquerel). CENTIS-DMR is the scientific and methodological warrantor for achieving the traceability to these standards of the radioactivity measurements performed at national level.

Director: Dr. Rene Leyva Montana

Address: Ave. Monumental y Carretera La Rada, Km 3 1/2, CP 32700, San Jose de las Lajas, Mayabeque, Republic of Cuba

Telephone: +537 682 95 24

Fax: +537 866 98 21

Email: rene@centis.edu.cu

Web: www.centis.cu

The Center for Radiation Protection and Hygiene (CPHR) is a designated laboratory mainly responsible for the dosimetry standards in the field of ionizing radiation. The Dosimetry Laboratory of the CPHR performs the following obligations:

- to maintain traceability in Cuba to the international measurement system through implementing and improving national standards and calibrating measuring instruments;
- to participate in comparison exercises of the standards at international level;
- to carry out research and scientific-technical development in the field of ionizing radiation metrology;
- to provide education to specialists and users in the field of radiation measurements.

Director: Mr. Gonzalo Walwyn Salas

Address: Carretera Cantera La Victoria II, km 2 ½, e/Monumental y Final, Municipio Guanabacoa. La Habana, Republic of Cuba

Telephone: +537 7 682-7271, 7 682-0514 (International)

+537 7 682-9571, 7 682-4891

+537 7 682-4892

Fax: +537 682-9573

Email: gonzalo@cphr.edu.cu

Web: <http://www.cphr.edu.cu/>

The institutions responsible for Legal Metrology are:

a) Cuban National Bureau of Standards (NC) is the National Authority and is responsible for the development of metrology and legal metrology and performs the functions of the central steering body of state administration in the field of metrology. NC is intergrated into the OIML Certification System (OIML-CS) as a utilizer organization.

The main tasks and activities of the NC in the field of metrology are:

- elaboration and realisation of state policy in metrology;
- preparation of laws and decrees referring to metrology;
- steering of metrology in the state in the scope given by the Law on Metrology, including subordinate metrological institutions and Legal Metrology Service;
- methodical activity and supervision of activities in metrology;
- representation of the Republic of Cuba in the international metrological associations.

General Director: Dr. Nancy Fernández Rodríguez

Director of Metrology Department: Mr. Fernando Arruza Rodríguez

Address: Calle E No 261 entre 11 y 13- Vedado, La Habana 10400, Republic of Cuba

Telephone: +537 682 95 24

Fax: +537 682 78 50

Email: nc@ncnorma.cu, arruza@ncnorma.cu

Web: <http://www.nc.cubaindustria.cu>

b) Territorial Centres of Metrology (TCM) which

are subordinate institutions of NC. These institutions are charged with the following main activities:

- to verify the legal measurement instruments;
- to calibrate the working standards of measurement units (for industry);
- to calibrate the ordinary measuring instruments for customers;
- to carry out the type evaluation of measuring instruments.

TCM laboratories were accredited by ONARC according to ISO IEC 17025 standard.

c) The other institutions in the field of legal metrology are **Metrological Laboratories** (Industry). These institutions (established in factories or other organisation) are calibration laboratories. NC authorises some of them for verification of the specified kinds of legal measuring instruments, if necessary.

The calibration of ordinary measuring instruments is performed by more than 170 calibration laboratories, established in the framework of industry or other organisations.

3. National measurement standards

National Electrical Resistance measurement standard, INIMET.

- Group standard is formed by a set of 8 resistance measures of nominal value 1 Ω

National liquid volume measurement standard, INIMET.

- Pipette of 1 L nominal capacity
- Pipette of 2 L nominal capacity
- Pipette of 5 L nominal capacity
- Pipette of 10 L nominal capacity

National relative pressure measurement standard, INIMET.

- Piston and Weight Gauge (0,5 to 20) Mpa
- Piston and Weight Gauge (5 to 200) Mpa
- Piston and Weight Gauge (50 to 2000) kPa

National dosimetry standards, CPHR.

- Group of standards is formed by 7 ionisation chambers for dosimetry at the levels of radiation protection, radiotherapy and diagnostic radiology

National standards of activity measurements, CENTIS

(Measurements of ^{241}Am , ^3H , ^{32}P , ^{60}Co , ^{90}Y , $^{90}\text{Y}+^{90}\text{Sr}$, ^{131}I , $^{99}\text{Tc}^m$, ^{137}Cs , ^{18}F , ^{22}Na , ^{68}Ga , ^{125}I , other gamma emitters)

- Standard Liquid Scintillation Counter
- Standard Gamma Spectrometer
- Set of the standard sources
- Set of the standard weights

4. Status of participation in the Metre Convention

Cuba ceased to be an Associate of the CGPM from 1st January 2022 and terminated its participation in the implementation of the CIPM Mutual Recognition Arrangement (CIPM MRA).

5. Confirmations of recognition of QMS of NMIs (within COOMET)

INIMET QMS confirmation of recognition (ISO/IEC 17025): QSF-R56 until 04.10.2023

CENTIS QMS confirmation of recognition (ISO/IEC 17025): QSF-R55 until 04.10.2023

CPHR QMS confirmation of recognition (ISO/IEC 17025): QSF-R57 until 04.10.2023

Note - INIMET, CENTIS and CPHR have established a quality system in accordance with ISO / IEC 17025 and the Mutual Recognition Agreement for national measurement standards and for calibration and measurement certificates issued by national metrology institutes. In 2008 this system was accredited by the National Accreditation Body (ONARC) of the Republic of Cuba and recognized by COOMET in accordance with the above international standard.

6. State CMC data

KCDB: <https://www.bipm.org/kcdb/cmc/quick-search?keywords=cuba>

COOMET database: http://www.coomet.org/DB/com/index.htm?RU,CMC_RU,RU

7. OIML membership status

OIML Member state.

https://www.oiml.org/en/structure/members/contactmember_view?IDCountry=55&CountryName=CUBA&iso=CU&M=1



GEORGIA

COOMET MoU year of signing:	4 September 2006
Area:	69,700 km ²
Population:	3.7 million

1. Law on metrology

"Product Safety and Free Movement Code", № 6157-Ilb

Date of publication: 25 May, 2012

Last modified date: 05 February, 2020

2. Metrological infrastructure

Metrology Institute of Georgia is a structural unit of Legal Entity of Public Law – **Georgian National Agency for Standards and Metrology (GEOSTM)**, which is in the system of the Georgian Ministry of Economy and Sustainable Development. Legal basis for providing uniformity of measurement in the country is Product Safety and Free Movement Code, which includes laws "About Provision Uniformity of Measurements", and also other laws related to Quality Infrastructure.

Objectives, functions, rights and obligations of the Agency are represented by:

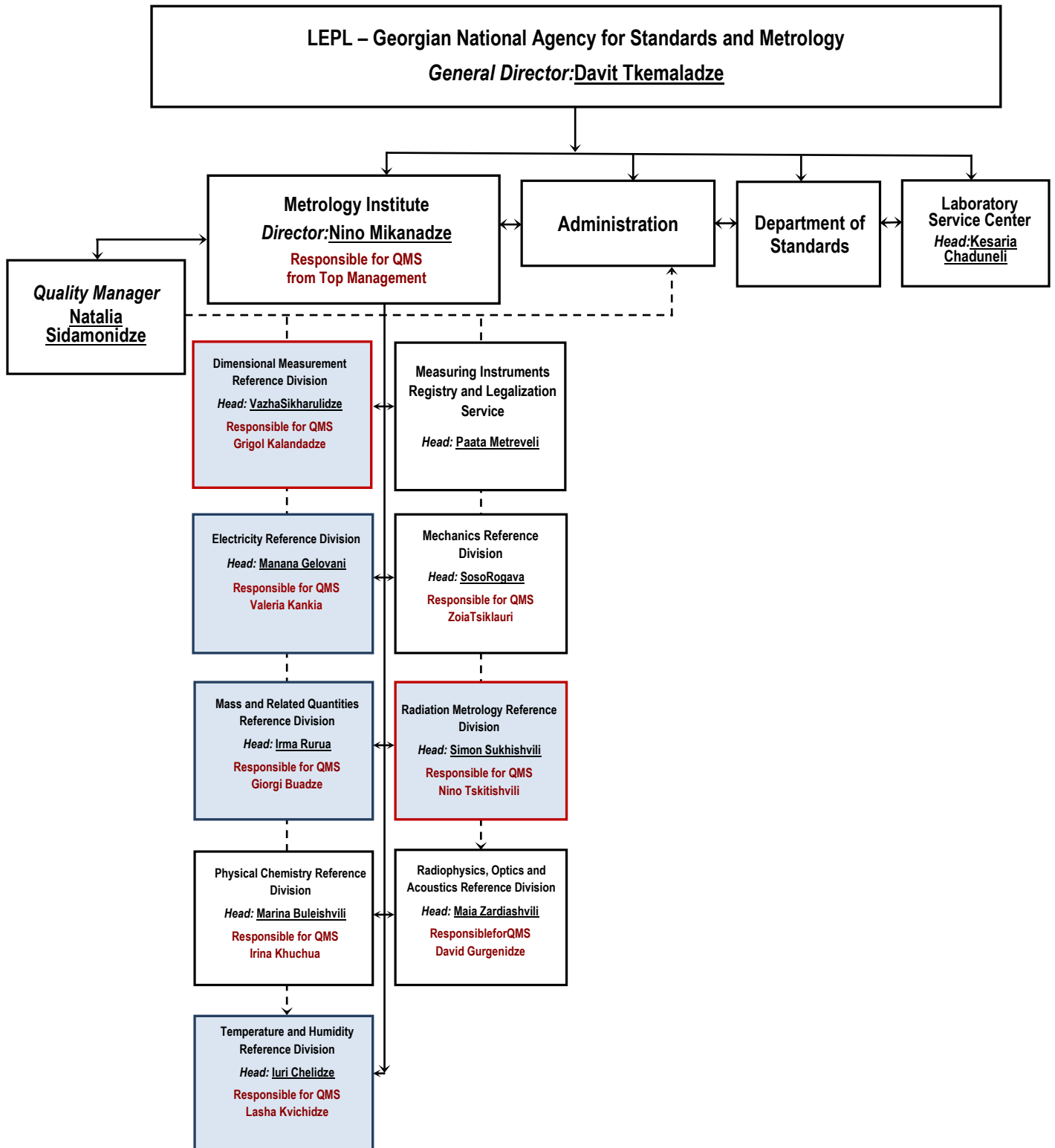
- reproduction of measurement units by means of measurement standards and reference measuring equipment, transfer of units in Georgia in order to provide uniformity of measurement on the country's territory;
- participation in creation and development of measurement standards base for verification, calibration and type approval works of measuring equipment (including imported ones) in accordance with the Georgian legislation in force;
- participation in forming and conducting state policy in the field of standardization and metrology and coordination of activities in these fields;
- participation in forming of metrological system in accordance with the legislation Georgian in force;
- participation in developing normative base for improving fields of uniformity of measurement;
- organization and conduct of works on reproducing measurement units by means of measurement standards for providing uniformity of measurements on the whole territory of the country;
- participation in works of developing scientific-methodic basis for developing system of uniformity of measurements;
- organization of works related to standards registry, its management and provision of publication of standards list (registry).

Activities of the Metrology Institute cover the works on:

- development, maintenance and improvement of measurement standards base;
- maintenance of registry of national (state) standards of Georgia;
- calibrations and measurements;
- verification;
- expert measurements;
- type approval, type registration of measuring instrument;

- maintenance of registry of type of measuring instrument;
- recognition of results of initial verification, etc.

Organizational Structure of the Agency (GEOSTM)



For 100% factor of availability of public information for the year 2014 (similarly like in 2012-2013) the Agency was awarded a certificate by the Institute for Development of Freedom of Information (IDFI).

The Agency was awarded a diploma of the Ministry of Economy and Sustainable Development of Georgia within the framework of the Success and Recognition program in the nomination - "Structure of the Future".

Organization management and contact details:

Georgian National Agency for Standards and Metrology (GEOSTM).

General Director: Mr. Davit Tkemaladze

Address: Chargali Str., 67, 0178 Tbilisi, Georgia
Telephone: +995 32 261 35 00, +995 32 261 25 30
Fax: +995 32 261 35 00
Email: geostm@geostm.ge
Web: <http://geostm.ge/>

Director: Ms. Nino Mikanadze

Address: Chargali Str., 67, 0178 Tbilisi, Georgia
Telephone: +995 32 261 77 57
Fax: +995 32 261 35 00
Email: nino_mikanadze@yahoo.com

3. National measurement standards

Number of national measurement standards: 21.

<http://geostm.ge/8/wp-content/uploads/2022/02/%E1%83%A0%E1%83%94%E1%83%94%E1%83%A1%E1%83%A2%E1%83%A0%E1%83%98-etalonebi-1.pdf>

4. Status of participation in the Metre Convention

Georgia is an associate member of CGPM since 2008.

Signatory of the Mutual Recognition Agreement (CIPM MRA):

National Agency of Georgia for Standards and Metrology (GEOSTM) (June 17, 2008).

(Has the right to use the CIPM MRA logo from June 3, 2014).

<https://www.bipm.org/en/about-us/associates/ge/>

5. Confirmations of recognition of QMS of NMIs (within COOMET)

GEOSTM QMS confirmation of recognition (ISO/IEC 17025): QSF-R58 until 04.10.2023.

6. State CMC data

KCDB: <https://www.bipm.org/kcdb/cmc/quick-search?keywords=georgia>

COOMET database: http://www.coomet.org/DB/com/index.htm?RU,CMC_RU,RU

7. OIML membership status

OIML Corresponding member.

https://www.oiml.org/en/structure/members/contactmember_view?IDCountry=80&CountryName=GEORGIA&iso=G&E&M=2



GERMANY

COOMET MoU year of signing:	13 November 1991 (associate member)
Area:	357,578 km ²
Population:	83 million

1. Law on metrology

Units and Time Act (EinhZeitG)

Date of first publication: 22 February 1985

Date of latest change: 18 July 2016.

2. Metrological infrastructure

1. The institution responsible for measurement standards and scientific metrology in Germany is the **Physikalisch-Technische Bundesanstalt (PTB)**.

It is the National Metrology Institute providing scientific and technical services.

PTB's responsibilities are to achieve progress and ensure reliability in the field of metrology for the benefit of society, economy and science with research, measurement and consulting being its main activities.

Areas of PTB's work are:

- realization, reproduction and dissemination of the SI units;
- development of national measurement standards;
- determination of fundamental constants and exploitation of quantum effects for realizing the units;
- provision of traceable reference materials and determination of material properties;
- development of accurate and reliable measurement procedures;
- contribution to standardization and technology transfer by consulting and seminars;
- pattern evaluations, conformity assessment and consulting;
- metrology in commercial transactions, environmental, labor and radiation protection, medicine and safety engineering;
- cooperation in European and international metrology organizations as well as with metrology institutes around the world;
- technical cooperation with countries with emerging economies

President: Prof. Dr. Joachim Ullrich (by 30 April 2022)

Prof. Dr. Cornelia Denz (from 01 May 2022)

Vice-President: Dr. Frank Härtig

Member of Presidential Board: Dr. Jörn Stenger

Address: Bundesallee 100, 38116 Braunschweig, Germany

Telephone: +49 531 592 0

Fax: +49 531 592 9292

Email: Joachim.Ullrich@ptb.de / Cornelia.Denz@ptb.de

Frank.Haertig@ptb.de

Joern.Stenger@ptb.de

Web: www.ptb.de

2. Institutions responsible for legal metrology

The basic principles of legal metrology are stipulated by the Units and Time Act and the Measurement and Verification Act, including the relevant implementing ordinances and additional regulations. The physical and technical basis of the units to be applied in official and commercial transactions is today's International System of Units (SI). The tasks of legal metrology are distributed between the federal and the state authorities. PTB is responsible for type examination and conformity assessment of measuring instruments and traceability to national standards used by the verification authorities. The verification authorities of the sixteen federal states and the officially approved test centers for measuring instruments in the field of electricity, gas, water and heat are responsible for the individual testing of measuring instruments subject to mandatory verification.

Office of Consortium on Metrology and Verification at German Academy of Metrology (DAM)

Address: Franz-Schrank-Str. 9, 80638 München, Germany

Telephone: +49 89 17 901-333

Fax: +49 89 17 901-386

Email: dam@lmg.bayern.de

3. Institutions responsible for calibration service:

Calibrations are performed by the calibration laboratories accredited by the "**Deutsche Akkreditierungsstelle GmbH (DAkkS)**" founded by the German Government in Cooperation with the German Federation of Industry (BDI). The basis of the DAkkS (former DKD accreditation body) accredited calibration laboratories is the traceability of their reference standards to the national standards provided by the National Metrology Institute, the PTB or other National Metrology Institutes. Industrial laboratories and other institutes which, due to their trained personnel and equipment, are able to perform measurements with the required uncertainty and whose standards are traceable to the national standards of the PTB, are accredited as calibration laboratories. Accreditation is granted by DAkkS after assessment of the laboratories in accordance with the standard DIN EN ISO/IEC 17025. Membership of DAkkS in the European Cooperation for Accreditation (EA) and the International Laboratory Accreditation Cooperation (ILAC) ensures the recognition of the calibration certificates in all member countries worldwide. At present there are about 470 accredited calibration laboratories for electrical, magnetic, dimensional, mechanical, acoustical, fluid and optical quantities, as well as for chemical analysis, reference materials, time and frequency, ionizing radiation and radioactivity, temperature and humidity.

As PTB is responsible by law for the uniformity of measurement in Germany, the DKD (Deutsche Kalibrierdienst) was reestablished in May 2011 to represent a forum for information exchange and the elaboration of harmonized calibration guides. About 500 laboratories and individuals are members of the DKD, which is subdivided into 13 technical committees. DKD is a member of the EUROCAL, the European association of national associations of calibration laboratories. DKD closely cooperates with DAkkS to support the German calibration system.

Head of the department "Metrology | Constructions | Transport | Renewable Energy" of DAkkS: Dr. Heike Manke

Address: Bundesallee 100, 38116 Braunschweig, Germany

Telephone: +49 531 592 1900

Fax: +49 531 592 1905

Email: heike.manke@dakks.de

Chairperson of DKD: Dr. Michael Wolf

Address: Bundesallee 100, 38116 Braunschweig, Germany

Telephone: +49 531 592 9100

Fax: +49 531 592 699100

Email: dkd@ptb.de

4. National measurement standards

<https://www.ptb.de/cms/en/ptb/fachabteilungen.html>

5. Status of participation in the Metre Convention

Member of the Metre Convention since 1875.

Signatory of the CIPM MRA:

Physikalisch-Technische Bundesanstalt (PTB) (14 of October, 1999)

(Has the right to use the CIPM MRA logo from the 28 of November, 2006)

Designated institutes:

- *Bundesamt für Verbraucherschutz und Lebensmittelsicherheit (BVL)*, Berlin
(Has the right to use the CIPM MRA logo from the 11 of November, 2016)
- *Bundesanstalt für Materialforschung und -prüfung (BAM)*, Berlin
(Has the right to use the CIPM MRA logo from the 17 of January, 2008)
- *Umweltbundesamt (UBA)*, Langen
(Has the right to use the CIPM MRA logo from the 17 of August, 2007)

<https://www.bipm.org/en/about-us/member-states/de/>

6. Confirmations of recognition of QMS of NMIs (within COOMET)

Germany receives its NMI QMS recognition within EURAMET.

7. State CMC data

Germany publishes its CMC data within EURAMET.

KCDB: <https://www.bipm.org/kcdb/cmc/quick-search?keywords=germany>

8. OIML membership status

OIML Member state.

https://www.oiml.org/en/structure/members/contactmember_view?IDCountry=81&CountryName=GERMANY&iso=DE&M=1



KAZAKHSTAN

COOMET MoU year of signing:	11 November 1998
Area:	2,717 million km ²
Population:	18.4 million

1. Law on metrology

The Law of the Republic of Kazakhstan "On ensuring the unity of measurements" of June 7, 2000 No. 53-II regulates public relations arising between state bodies, individuals and legal entities in the field of ensuring the uniformity of measurements, determines its goals, legal and organizational bases for ensuring the uniformity of measurements.

2. Metrological infrastructure

State management of activities to ensure the unity of measurements is carried out by the **Committee of Technical Regulation and Metrology of the Ministry of Trade and Integration of the Republic of Kazakhstan (CTRM MTI RK)**.

The Chairman: Mr. Arman Abenov

Address: Center of Measurement Standards, Mangilik Yel Avenue 11, 010000, Nur-Sultan, Republic of Kazakhstan

Telephone: +7 7172 75 05 01

Web: <https://www.gov.kz/memleket/entities/mti-ktrm?lang=ru>

In accordance with the Law of the Republic of Kazakhstan "On ensuring the unity of measurements" the main objectives of **CTRM MTI RK** are:

- formation and implementation of the state policy to ensure the unity of measurements;
- coordination of the metrological service of the Republic of Kazakhstan;
- establishment of measurement units admitted for application;
- organization of scientific research in the field of Metrology;
- establishment of rules of creation, approval, storage, use and comparisons of state measurement standards, improvement of measurement standard base of measurement units of the Republic of Kazakhstan;
- organization of comparison of the results of verification and calibration of measuring instruments;
- establishment of classification of state standards of units of quantities used in the territory of the Republic of Kazakhstan;
- determining the procedure for the development and approval of regulatory documents to ensure the uniformity of measurements;
- determination of General metrological requirements for measuring instruments, methods and results, methods of verification of measuring instruments;
- determination of the order of application, production and repair of measuring instruments;
- organization of the register of the state system of ensuring the unity of measurements;
- organization and conduct of state metrological control;
- representation of the Republic of Kazakhstan in international and regional Metrology organizations;
- organization of advanced training and retraining in the field of ensuring the unity of measurements.

The functions of the state scientific metrological center are performed by the **Republican state enterprise "Kazakhstan Institute of Standardization and Metrology" (RSE "KazStandard")**, formed in 2020 by the Decree

of the Government of the Republic of Kazakhstan dated October 2, 2020 No. 639, as a result of the merger of two institutions - RSE "Kazakhstan Institute of Standardization and Certification" (KazInSt) and RSE "Kazakhstan Institute of Metrology" (KazInMetr).

RSE "KazStandard" carries out the creation, improvement and storage of state standards, providing the highest link in the traceability chain of measurements in Kazakhstan.

As of February 2022, 302 people work in RSE "KazStandard", 7 branches operate in the regions of the country.

General Director: Mr. Gabit Mukhambetov

Address: Center of Measurement Standards, Mangilik Yel Avenue 11,010000, Nur-Sultan, Republic of Kazakhstan

Telephone: +7 7172 28 29 99

Email: info@ksm.kz

Web: <http://www.ksm.kz>

In the field of ensuring the uniformity of measurements RSE "KazStandard" carries out:

- conducting scientific research in the field of ensuring the uniformity of measurements;
- carrying out comparisons of the results of verification, calibration of measuring instruments and interlaboratory comparative tests;
- carrying out work on professional development and retraining of personnel in the field of ensuring the uniformity of measurements;
- creation, improvement, storage and application of state measurement standards of units of quantities;
- creation of systems for transferring the sizes of units of quantities;
- development of documents on standardization in the field of ensuring the uniformity of measurements, measurement procedures, methods of verification and calibration of measuring instruments;
- production and repair of measuring instruments;
- production of standard samples, certified mixtures, calibration gas mixtures;
- verification and calibration of measuring instruments in accordance with Article 18 of this Law;
- carrying out metrological certification of measurement procedures in accordance with Article 18 of this Law;
- carrying out metrological expertise;
- carrying out and participation in comparisons of measurement standards of units of quantities;
- testing of measuring instruments for the purposes of type approval, metrological certification of measuring instruments, certification of test equipment;
- maintaining the register of the state system for ensuring the uniformity of measurements;
- certification, recertification and revocation of certificates of verifiers of measuring instruments;
- organization of production of verification marks;
- approbation of methods for checking measuring instruments;
- performance of work to ensure the uniformity of measurements of time and frequency, determination of the parameters of the Earth's rotation;
- performance of work related to the development and implementation of standard reference data on physical constants and properties of substances and materials;
- fulfillment of other powers established by the legislation of the Republic of Kazakhstan.

In the system of ensuring traceability of measurements from state standards to working measuring instruments used at industrial and manufacturing enterprises of the country, calibration and calibration laboratories of Kazakhstan participate, which are accredited in accordance with the Law of the Republic of Kazakhstan of July 5, 2008 No. 61-IV "On accreditation in the field of conformity assessment" at the National center of accreditation (LLP "NCA").

As of February 2022, in Kazakhstan there are 349 accredited verification laboratories and calibration laboratories 74, 3 organizations carrying out metrological certification of measurement techniques.

3. National measurement standards

Number of measurement standards: 102

(53 of them are state measurement standards and 49 are state working measurement standards).

<https://ksm.kz/metr/ge/>

4. Status of participation in the Metre Convention

Member of the Metre Convention since 2008.

Signatory of the Mutual Recognition Agreement (CIPM MRA):

Republican State Enterprise "Kazakhstan Institute of Standardization and Metrology" (RGP "KazStandard")* (January 6, 2006)

(Has the right to use the CIPM MRA logo from April 13, 2011).

<https://www.bipm.org/en/about-us/member-states/kz/>

** former RGP "KazInMetr"*

5. Confirmations of recognition of QMS of NMIs (within COOMET)

RSE "KazStandard" (including Karaganda branch (Karaganda) and branch for the city of Almaty and Almaty region (Almaty)) QMS confirmation of recognition (ISO/IEC 17025): №QSF-R81 from 12.04.2021 until 12.04.2026 (subject to passing a full-time peer review in 2022-2023)

RGP "KazInMetr" QMS confirmation of recognition (ISO 17034): №QSF-R60 until 15.02.2022 (extended until 01.08.2022 in accordance with a resolution of COOMET Presidential Council in view of the situation with the Covid-19 pandemic)

6. State CMC data

KCDB: <https://www.bipm.org/kcdb/cmc/quick-search?keywords=kazakhstan>

COOMET database: http://www.coomet.org/DB/com/index.htm?RU,CMC_RU,RU

7. OIML Membership status

OIML Member state.

https://www.oiml.org/en/structure/members/contactmember_view?IDCountry=110&CountryName=KAZAKHSTAN&iso=KZ&M=1



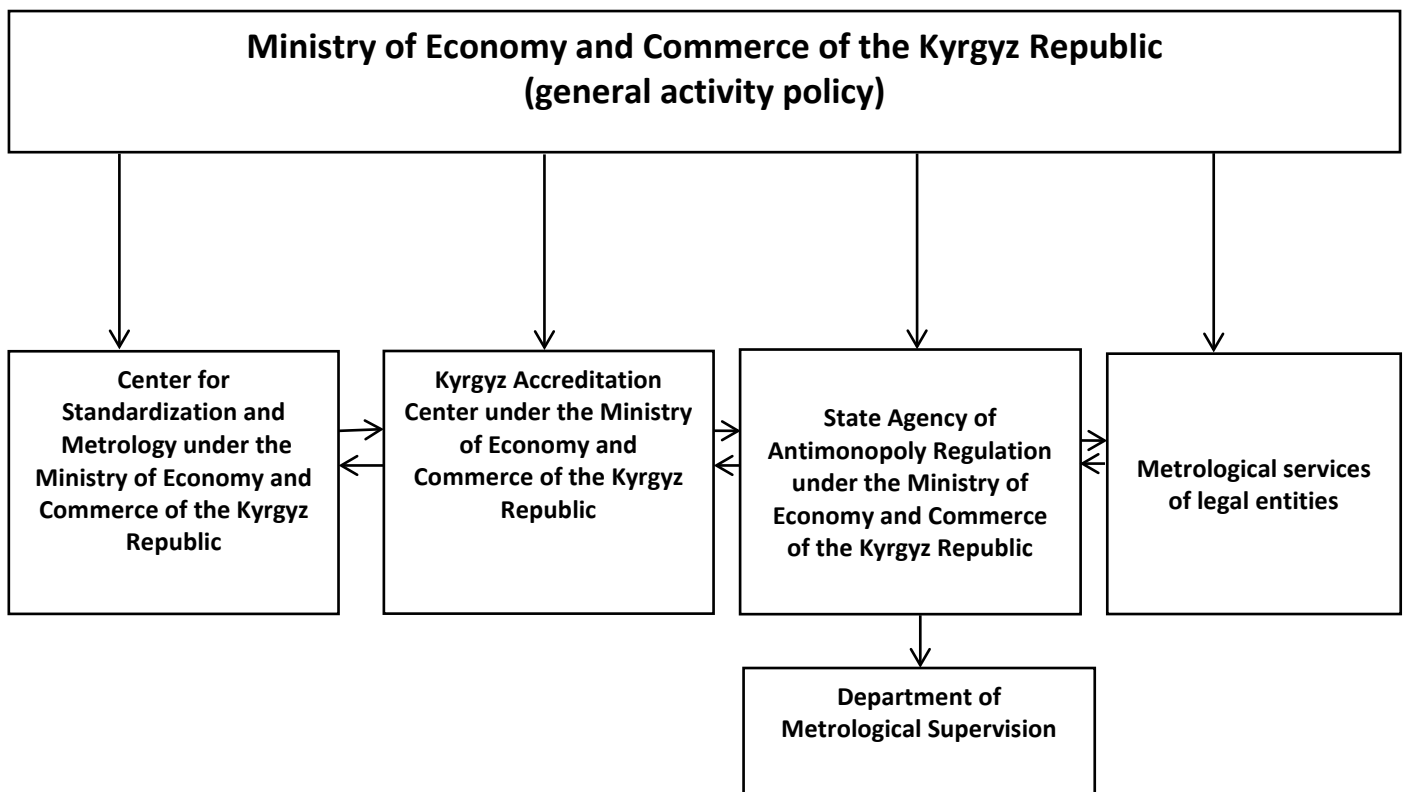
KYRGYZSTAN

COOMET MoU year of signing: 25 May 2000
Area: 199,95110 km²
Population: 6.6 million

1. Law on metrology

Law of the Kyrgyz Republic of July 9, 2014 No. 118 "On ensuring the unity of measurements"(as amended by the Law of the Kyrgyz Republic of March 4, 2020 No. 23).

2. Metrological infrastructure



State management activities to ensure traceability in the country is regulated by **The Ministry of Economy and Commerce of the Kyrgyz Republic (MEC KR)** in accordance with the law of the Kyrgyz Republic "On ensuring the Unity of Measurements" No. 118 from 09.07.2014 (as amended by the Law of the Kyrgyz Republic of March 4, 2020 No. 23).

The organizational structure of the National Metrology System consists of the Ministry of Economy and Commerce of the Kyrgyz Republic, Center for Standardization and Metrology under the Ministry of Economy and Commerce of the Kyrgyz Republic and Department of Metrological Supervision of the State Agency of Antimonopoly Regulation under the Ministry of Economy and Commerce of the Kyrgyz Republic.

The Ministry of Economy and Commerce of the Kyrgyz Republic (MEC KR)

Minister: Mr. Daniyar Amangeldiev Dzholdoshevich

Address: 106 Chui Avenue, 720002 Bishkek, Kyrgyz Republic

Telephone: +996 312 62 05 35 add. 266 – general dept.
+996 312 62 41 73 – reception
+996 312 62 05 35 add. 333 – helpline

Fax: +996 312 66 18 37

Email: mail@mineconom.gov.kg

Web: <http://mineconom.gov.kg>

Major activities are as follows:

- development and implementation of State Policy on Ensuring Unity of Measurements;
- creation and maintenance of an integrated technical regulation information system in the Kyrgyz Republic;
- ensuring the uniformity of measurements in the Kyrgyz Republic in accordance with international norms and rules;
- coordination of the Center for Standardization and Metrology;
- determination of units allowed for use;
- determination of the procedure for the development and approval of documents on ensuring the uniformity of measurements.

Center for Standardization and Metrology under the Ministry of Economy and Commerce of the Kyrgyz Republic (KYRGYZSTANDART)

Director: Mr. Ahmatov Sultan Mamatovich

Address: 197 Panfilov Str., 720040 Bishkek, Kyrgyz Republic

Telephone: +996 312 62 37 90

Fax: +996 312 66 13 67

Email: nism@nism.gov.kg

The basic activities include:

- carrying out work to ensure the compliance of the measurement system with the International System of Units (SI) to strengthen the role of measurements and standards in the development of the republic's economy;
- storage and improvement of national standards of units, reproduction and transfer of dimensions of basic and derived units of the International System of Units (SI);
- provision of metrological services to business entities for calibration, verification, type approval of measuring instruments, certification of measurement procedures;
- approval of reference materials;
- maintaining the state register of measuring instruments and reference materials;
- carrying out work on the recognition of the results of metrological works in accordance with the international agreements entered into force in accordance with the procedure established by law, to which the Kyrgyz Republic is a party;
- participation in the comparison of standards at the international, regional and national levels to ensure the international recognition of national standards and calibration and measurement certificates;
- participation in the work of granting and revoking the right to conduct testing of measuring instruments or certification of reference materials for the purpose of type approval or calibration of measuring instruments;
- implementation of research works in the field of metrology;
- the exchange of information in the field of ensuring the uniformity of measurements with international metrological organizations and national metrology bodies of other countries.

International cooperation of FMC in the field of metrology is carried out in the framework of:

- International Organization for Legal Metrology (OIML)
- Interstate Council for Standardization, Metrology and Certification (EASC);
- Interregional Association for Standardization (ISO);
- Euro-Asian cooperation of national metrological institutions (COOMET).

The structure of the state metrological service also includes 10 regional metrological centers.

Department of Metrological Supervision of the State Agency of Antimonopoly Regulation under the Ministry of Economy and Commerce of the Kyrgyz Republic

Head of Department: Mrs. Akhmedzhanova Ainura

Address: B.Baatyra Str., 7B/1, 720002, Bishkek, Kyrgyz Republic

Telephone: +996 312 56 33 03 / +996 312 56 31 97

Email: priemnaya@antimonopolia.kg

Main activities:

- this organization is responsible of the release, condition and application of measuring instruments, including reference materials of the composition and properties of substances (materials), compliance with the requirements of regulatory legal acts in the field of ensuring the uniformity of measurements, in the field of state regulation, in accordance with the Law of the Kyrgyz Republic "On ensuring the uniformity of measurements";
- in case of revealing violations of the requirements of regulatory legal acts in the field of ensuring the uniformity of measurements:
 - in the prescribed manner shall issue instructions on the elimination of violations identified during the inspection and shall set a time limit for their elimination;
 - according to the results of the inspection, takes measures to eliminate the consequences of violations of the requirements of regulatory legal acts in the field of ensuring the uniformity of measurements;
 - in the cases stipulated by the regulatory legal acts of the Kyrgyz Republic, sends materials on violation of metrological rules and regulations to judicial and investigative bodies;
- oversees the correctness of the state register of measuring instruments and reference materials;
- makes to the ministries, departments and local governments proposals for the elimination of violations revealed during the inspection and improvement of the metrological provision of subordinated objects.
- supervises the requirements of the rules of manufacture of the State Flag of the Kyrgyz Republic and the State Emblem of the Kyrgyz Republic.

3. National measurement standards

www.nism.gov.kg

4. Status of participation in the Metre Convention

The Republic of Kyrgyzstan is currently not a signatory to the CIPM MRA or an associate member of the CGPM, nor is it entitled to use the CIPM MRA logo.

5. Confirmations of recognition of QMS of NMIs (within COOMET)

Accreditation in the German body DAkkS ILAC MRA.

Accreditation certificate D-K-20448-01-00 (according to ISO/IEC 17025: 2017).

6. State CMC data

-

7. OIML membership status

OIML Corresponding member.



LITHUANIA

up-to-date country information has not been submitted to th99e COOMET Secretariat in 2022

COOMET MoU year of signing:	4 April 1995
Area:	65,200 km ²
Population:	3 million

1. Law on metrology

Law on Metrology of the Republic of Lithuania, the new version issued from 12 January 2018, No. XIII-982.

2. Metrological infrastructure

- The Ministry of Economy and Innovation of the Republic of Lithuania (<http://eimin.lrv.lt/en/>).
The Ministry according to the Law on Metrology, is responsible for the formation of metrology policy, coordination of uniformity of measurements in Lithuania, implementation of legal metrological regulations, as well as for exchange of information on notification of bodies with other EU member states.
- State Research Institute Centre for Physical Sciences and Technology (FTMC) – NMI of Lithuania (<https://www.ftmc.lt/en/>).
- Lithuanian Energy Institute – Designated Institute for national standards (<http://www.lei.lt>).
- Lithuanian Metrology Inspectorate (legal metrology) (<http://www.metrinsp.lt/2/>).
Performs the tasks of market surveillance for measuring instruments, which are under the metrological control, for prepackaged goods and measuring containers, also for quantity of weighted, counted, measured and dosed products.
- verification and calibration of measuring instruments and standards are performed by the stock companies and private accredited laboratories, which are appointed by the Ministry of Economy and Innovation.
- Lithuanian Standards Board (<http://www.lsd.lt/index.php?256157671>).
Lithuanian Standards Board is the budgetary institution of public administration functioning as National Standards Body (NSB) and within its competence taking part in establishing and implementing the policy of the Government of the Republic of Lithuania within the standardization field, carrying out other functions provided by the Laws and other legal acts of the Republic of Lithuania and taking active part in the activities of international and European standardization organizations by representing interests of Lithuanian economy.
- Lithuanian National Accreditation Bureau (<http://nab.lrv.lt/en/>).
National Accreditation Bureau (LA) is responsible for accreditation of testing, calibration laboratories, certification bodies for products, personnel, quality and environmental management systems, inspection bodies, EMAS; to assess CABs to be notified by the Governmental authorities. Also LA is designated as GLP inspection and verification authority.

Metrology system in Lithuania

The Ministry of Economy of the Republic of Lithuania (<http://eimin.lrv.lt/en/>) was authorized by the Law on Metrology and Resolution of the Government of the Republic of Lithuania to form the policy of metrological support in Lithuania, to implement legal metrology regulations, to coordinate activities of the national metrology system, to be responsible for providing the uniformity of measurements in Lithuania. The Ministry also exchanges information on the issues of verification of measuring instruments and work of notified bodies with competent bodies of other European Union member countries.

Under the Resolution of the Government of the Republic of Lithuania from 3 September 2014 State Research Institute Center for Physical Sciences and technology (FTMC) has been authorized to perform the functions of a National Metrology Institute. Functions of NMI at the Center are fulfilled by Metrology Department. In accordance with the Resolution of the Government of the Republic of Lithuania national laboratories are also authorized to create and maintain national measurement standards. In 2019 structural changes of metrology system in the Republic of Lithuania were implemented. From 2019 only one Designated Institute (DI) is authorized to create and maintain national measurement standards, it is the Lithuanian Energy Institute (LEI).

The national standards laboratories create, maintain, use and improve national standards, assure assignment of reproduced measurement quantities, maintain international traceability in the fields allocated to them and represent Lithuania in the activities of international metrological organizations in the scope of their competence. According to the Resolution of the Government of the Republic of Lithuania national measurement standards for units of measurement shall be created in view of the need and economical capabilities of the Republic of Lithuania and in compliance with the requirements of the Resolution.

Verification of measuring instruments is performed by institutions, metrology centres, individual accredited laboratories for certain types of measurements, which are appointed and authorized to verify such kind of measuring instruments by the Ministry of Economy of the Republic of Lithuania.

The Lithuanian Metrology Inspectorate (<http://www.metrinsp.lt/2/>) was established according to the Law on Metrology. The Inspectorate carries out metrological supervision of measuring instruments, subject to legal metrology regulation, prepackages and volume of measuring containers, as well as of quantity of weighted, counted, measured and dosed products, maintains the register of types of measuring instruments.

At Kaunas University of Technology the Institute of Metrology KTU MI (<http://en.ktu.edu/>) was established, tasks of which include training of specialists in metrology, as well as carrying out scientific research in the field of metrology.

There is a Technical Committee "Metrology" within the Lithuanian Standards Board. It's main responsibility is to draft written standards in the metrology field.

National Metrology Institute of Lithuania

Under the Resolution of the Government of the Republic of Lithuania State Research Institute Center for Physical Sciences and Technology (FTMC) is authorized to represent the NMI of Lithuania in international organizations CGPM, EURAMET and COOMET.

FTMC, as the National Metrology Institute, renewed in 2014 signing of CIPM MRA.

State Research Institute Center for Physical Sciences and Technology (FTMC)

Director: Dr. Gintaras Valušis

Address: Savanorių avenue 231, LT-02300 Vilnius, Lithuania

Telephone: +370 5 264 9211

Fax: +370 5 260 2317

Email: metrology@ftmc.lt

Web: www.ftmc.lt

Metrology Department

Head of department: Dr. Evaldas Naujalis

Address: Lukiškių 9, LT-01108 Vilnius, Lithuania

Telephone: +370 5 261 2758

Fax: +370 5 262 7123

Email: evaldas.naujalis@ftmc.lt

The Metrology Department of the State Research Institute for Physical Sciences and Technology (FTMC) performs the functions of the Lithuanian NMI.

The Metrology Department of FTMC stores primary measurement standards of time and frequency, temperature, electrical units, length, mass, metrology in chemistry and ionizing radiation (radioactivity).

Field of activity of the FTMC Metrology Department:

- performance of NMI functions;
- participation as a representative of Lithuanian NMI in the work of international organizations (CGPM, EURAMET and COOMET);
- reproduction and transmission of SI units for measuring time and frequency, temperature, electrical units, ionizing radiation, and metrological methods of chemistry, mass and length;
- research and development of national measurement standards;
- transfer of reference values of measurement units and chemical and metrological methods to metrological services and laboratories;
- development of measurement methods and calibration procedures;
- training and consultations on metrology;
- participation in the research work of the Center;
- cooperation with NMIs of other countries.

Lithuanian Energy Institute (LEI) – Designated Institute

Director: Sigitas Rimkevičius

Address: Breslaujos str. 3, LT-44403 Kaunas, Lithuania

Telephone: +370 37 401 924

Email: Sigitas.Rimkevicius@lei.lt

Web: <http://www.lei.lt>

3. National measurement standards

1. FTMC has 7 national measurement standards (<https://www.ftmc.lt/en/>).

Area: Time and frequency, Temperature, Electricity, Metrology in chemistry, Ionizing radiation (radioactivity), Mass, Length.

2. LEI has 5 national measurement standards (<http://www.lei.lt/main>).

Area: Flow measurement, Pressure.

4. Status of participation in the Metre Convention

Member of the Metre Convention since 2015.

Signatory of the CIPM MRA:

Former VMT (April 12, 2001):

Re-signed by FTMC (November 17, 2014).

Designated Institute:

- LEI (has the right to use the CIPM MRA since February 11, 2015)

<https://www.bipm.org/en/about-us/member-states/lt/>

5. Confirmations of recognition of QMS of NMIs (within COOMET)

Lithuania receives its NMI QMS recognition within EURAMET.

6. State CMC data

Lithuania publishes its CMC data within EURAMET.

KCDB: <https://www.bipm.org/kcdb/cmc/quick-search?keywords=Lithuania>

7. OIML membership status

OIML Correspondent member.

https://www.oiml.org/en/structure/members/contactmember_view?IDCountry=124&CountryName=LITHUANIA&iso=LT&M=2



MOLDOVA

COOMET MoU year of signing:	24 April 1997
Area:	33,700 km ²
Population:	3.567 million

1. Law on metrology

Metrology Law No. 19 adopted in the Republic of Moldova on the 4th of March 2016.

2. Metrological infrastructure

According to the Law on metrology No. 19, adopted in the Republic of Moldova on the 4th of March 2016, the authority responsible for the implementation of the policy in the field of metrology is the **Ministry of Economy (Quality Infrastructure and Market Surveillance Department)** that is the **Central Metrology Authority**.

In the field of metrology, the ministry is complying with the provisions of the Law on metrology, enactments of the President of the Republic of Moldova, dispositions, orders, ordinances of the Government of the Republic of Moldova, international agreements and conventions signed by the Republic of Moldova.

The infrastructure of national system of metrology includes:

- Central Metrology Authority (CMA) – central public administration body under the Government, responsible for the quality infrastructure - the Ministry of Economy;
- Public Institution National Institute of Metrology (INM-MD);
- National Measurement Standards Database;
- National Technical Council on Metrology;
- Agency for Consumer's Protection and Market Surveillance;
- Metrological departments of legal entities.

The **Ministry of Economy** has the following attributions:

- development and coordination of the implementation of the state policy in the field of metrology;
- development of relevant legislation and participation in the development and approval of normative acts drafts for the purpose of assurance of measurement results traceability to the International System of Units (SI system);
- approval of legal metrology regulations within its competence;
- maintenance of National Registers of the National System of Metrology (national measurement standards, legal metrology regulations and authorized entities);
- coordination of metrological activity of the central public administration branch bodies, both legal entities and individuals that perform activities in the field of metrology;
- representation of the Republic of Moldova in regional and international organizations of metrology together with the National Institute for Metrology;
- designation of legal entities for verification of legal measuring instruments and for performing official measurements on the basis of certificate of accreditations issued by the national accreditation body;
- approval of training programs in the field of metrology, including training programs for experts in the field of legal metrology, technical experts in metrology and verification officers.

The Public Institution National Institute of Metrology (INM-MD) is a legal entity and performs its activity on the basis of regulations approved by the Central Metrology Authority and of regulations and provisions of the relevant national legislation. The National Institute for Metrology has the following attributions:

In the field of legal metrology:

- preparation of normative documents on legal metrology (general regulations on legal metrology, rules on legal metrology and legislative procedures for performing measurements), harmonized with international and regional practice;
- conduct of technical works in legal metrology (type approval, initial, regular and expert verifications of measurement instruments, official measurements, metrological expertise of draft normative documents etc.);
- maintenance of the State Register of measuring instruments, permitted for use in the Republic of Moldova;
- participation in the work of international and regional forums in the field of metrology in cooperation with CAM;
- making and implementation of agreements on mutual recognition of measurement standards and certificates of calibration, issued by national metrology institutes, in accordance with the requirements of the International Committee for Weights and Measures (CIPM), as well as implementation of agreements made with other countries on mutual recognition of the results of type approval and results of verification of measuring instruments, used in the areas of public interest;
- recognition of the results of metrological testing with the purpose of type approval of EU, measuring instrument verification of EU, performed in EU member states, and recognition of the corresponding certificates;
- state registration of legal entities and physical persons, carrying out activities on repair, installation and commissioning of legal measuring instruments, as well as legal entities and physical persons, manufacturing, importing and prepacking products, and legal entities, manufacturing/importing bottles, used as volumetric vessel.

In the field of general metrology:

- implementation of the policy in metrology at the national level;
- creation, development and maintenance of national measurement standards, keeping and transfer of legal units of measurement;
- provision of traceability of measurements results by carrying out comparisons of national measurement standards at the regional and international level, calibration of national measurement standards;
- training and upgrading of skills of specialists, performing works in the field of metrology;
- preparation and expertise of draft normative and technical documents on ensuring the uniformity of measurements, harmonized with international and national documents of other countries in terms of metrological requirements.

Agency for Consumer's Protection and Market Surveillance was created by the Government Decision No. 936/31.07.2011, as a result of the reorganization of Main State Inspectorate for Market Surveillance, Metrology and Consumer Protection. The Agency for Consumer's Protection is a legal entity having legislative functions of metrological control and surveillance over the national internal market.

Metrological departments of legal entities.

The Metrological services of legal entities authorized by the national system of metrology to carry out works in the field of metrology, perform the functions of assurance of unity and accuracy of the measurements by performing verifications of legalized measurement instruments or/and official measurements.

Ministry of Economy of the Republic of Moldova - Central Authority of Metrology

State Secretary: Mr. Vadim GUMENE

Address: 1, Piata Marii Adunari Nationale str. MD-2033, Chisinau, Republic of Moldova

Telephone: + 373 22 250 591

Email: vadim.gumene@me.gov.md

Head of the Quality Infrastructure and Market Surveillance Department: Mr. Grigore CATER

Address: 1, Piata Marii Adunari Nationale str. MD-2033, Chisinau, Republic of Moldova

Telephone: +373 22 250 645

Email: grigore.cater@me.gov.md

Public Institution National Institute of Metrology

Acting Director: Mr. Alexei Pianih

Address: 28, E. Coca str., MD 2064, Chisinau, Republic of Moldova

Telephone: +373 22 903 101

Fax: +373 22 903 111

Email: office@inm.gov.md

Agency for Consumer's Protection and Market Surveillance

Address: 78, Vasile Alecsandri str., MD 2012, Chisinau, Republic of Moldova

Tel: +373 22 501 980

Fax: +373 22 501 981

Email: consumator@apc.gov.md

3. National measurement standards

Moldova has 18 national measurement standards.

http://www.me.gov.md/sites/default/files/lista_etaloanelor_nationale_15.03.2021.pdf

4. Status of participation in the Metre Convention

Moldova is an associate member of the CGPM since 2007.

Signatory of the Mutual Recognition Agreement (CIPM MRA):

Public Institution "National Institute of Metrology" (INM MD) (November 14, 2007).

(Has the right to use the CIPM MRA logo from April 22, 2016).

<https://www.bipm.org/en/about-us/associates/md/>

5. Confirmations of recognition of QMS of NMIs (within COOMET)

NIM QMS confirmation of recognition (ISO/IEC 17025): QSF-R52 until 31.01.2023.

Moldova receives its NMI QMS recognition within EURAMET (from 17.07.2019).

6. State CMC data

KCDB: <https://www.bipm.org/kcdb/cmc/quick-search?keywords=moldova>

COOMET database: http://www.coomet.org/DB/com/index.htm?RU,CMC_RU,RU

Moldova publishes its CMC data within EURAMET (from 17.07.2019).

7. OIML membership status

OIML Corresponding member.

www.oiml.org/en/structure/members/contactmember_view?IDCountry=141&CountryName=MOLDOVA&iso=MD&M=2



RUSSIA

COOMET MoU year of signing:	12 June 1991
Area:	17 125 191 km ²
Population:	146.78 million

1. Law on metrology

The Federal Law of the Russian Federation on Assuring the Uniformity of Measurements No. 102-FL dated 26.06.2008 (as worded in Federal Laws No. 242-FZ of 18.07.2011, No. 347-FZ of 30.11.2011, No. 133-FZ of 28.07.2012, No. 338-FZ of 02.12.2013, No. 160-FZ of 23.06.2014, No. 254-FZ of 21.07.2014, No. 233-FZ of 13.07.2015, No. 496-FZ of December 27, 2019, which enters into force on September 24, 2020, No. 348-FZ of October 27, 2020, which enters into force on January 1, 2021, No. 429-FZ of December 8, 2020 (the article 87 of the law), which enters into force on December 8, 2020).

2. Metrological infrastructure

Realization of this Law, fulfilment of metrological functions and terms of reference are approved by Decrees of the President of the Russian Federation - No. 314 of 9 March, 2004 and No. 649 of 20 May, 2004 and Government Directives- No. 294 of 17 June, 2004 and No. 438 of 05 June, 2008, and are implemented by the Federal Agency on Technical Regulation and Metrology (Rosstandart) under the Federal Ministry of Industry and Energy (Minpromtorg of Russia).

2.1 Minpromtorg of Russia is a Federal Executive body responsible for the development of government policy and state regulation in the field of technical regulating, standardization and ensuring uniformity of measurements.

2.2 Rosstandart is a Federal Executive body responsible for providing government services and managing state property in the field of technical regulating, standardization and assuring the uniformity of measurements and implementation of federal state metrological supervision.

The Federal Agency on Technical Regulating and Metrology (Rosstandart)

Head: Mr. Anton Shalaev

Address: Presnenskaya embankment, 10, building 2, 123112, Moscow, Russia

Telephone: +7 495 547 51 55

Email: pr.shalaeva@rst.gov.ru

Web: <https://www.rst.gov.ru>

Deputy Head: Mr. Evgeny Lazarenko

Address: Presnenskaya embankment, 10, building 2, 123112, Moscow, Russia

Telephone: +7 495 547 52 00

Email: elazarenko@rst.gov.ru

Head of Department of Metrology, State Supervision and Control: Mr. Alexander Kuzmin

Address: Presnenskaya embankment, 10, building 2, 123112, Moscow, Russia

Telephone: +7 495 547 52 04

Email: sgosnad@rst.gov.ru

Rosstandart directs the work of the following:

- State Service of Time and Frequency and Determination of the Earth Rotation Parameters (SSTF);
- State Service of Reference Materials of the Composition and Properties of Substances and Materials (SSRM);
- State Service of Standard Reference Data of Physical Constants and Properties of Substances and Materials (SSSRD).

Rosstandart organizes the maintenance of the Federal information Fund for assuring the uniformity of measurements <https://fgis.gost.ru/fundmetrology/registry>

Under the responsibility of Rosstandart are national scientific metrology institutes (NIMs) and state regional centers for standardization, metrology and testing.

The main objectives of NIMs are conducting fundamental and applied scientific researches, experimental developments and scientific and technical activities in the field of assuring the measurements' uniformity; development, improvement, maintenance, comparison and application of national primary measurement standards (NPMS); the transfer of units from NPMS; participation in development of draft regulatory documents in the field of assuring the measurements' uniformity, conducting mandatory metrological expertise of requirements for measurements, reference materials and measuring instruments contained in draft normative acts of the Russian Federation; creating and maintaining the Federal Information Fund for assuring the measurements' uniformity (FIF AMU) and providing documents and information from the FIF; participating in international cooperation in the field of Metrology.

Federal State Unitary Enterprise "All-Russian Scientific Research Institute of Metrology named after D.I. Mendeleev" (VNIIM)

General Director: Mr. Anton Pronin

Address: 19 Moscovsky Prospect, 190005 Saint-Petersburg, Russia

Telephone: +7 812 251 76 01

Email: info@vniim.ru

Web: <http://vniim.ru/>

Federal State Unitary Enterprise "All-Russian Research Institute of Physical Technical and Radio Technical Measurements" (VNIIFTRI)

General Director: Dr. Sergey Donchenko

Address: Mendeleevo, Solnechnogorsky District, 141570, Moscow Region, Russia

Telephone: +7 (495) 526-63-00

Email: director@vniiftri.ru

Web: <http://vniiftri.ru/>

Federal State Unitary Enterprise "All-Russian Scientific Research Institute of Optical and Physical Measurements" (VNIIOFI)

Director: Mr. Andrey Baturin

Address: 46 Ozernaya Str., 119361 Moscow, Russia

Telephone: +7 495 437 56 33

Email: vniiofi@vniiofi.ru

Web: <http://vniiofi.ru/>

Federal State Budgetary Institution "All-Russian Scientific Research Institute of Metrological Service" (VNIIMS)

Director: Mr. Sergey Denisenko

Address: 46 Ozernaya Str., 119361 Moscow, Russia

Telephone: +7 495 437 37 29

Email: office@vniims.ru

Web: <http://vniims.ru/>

A good deal of activity regarding the development, improvement, maintenance and use of national measurement standards, as well as conduct of fundamental and applied research in the field of metrology including elaboration of normative documents of measurement uniformity assurance is carried out by Metrology Institutes of Rosstandart, which are the centers of standards on the fixed types and areas of measurements. The majority of these institutes is specialized in specific fields of measurements and accredited as state test centers of measuring instruments and verification centers, as bodies on voluntary certification of measuring instruments.

2.3 In the Russian Federation, in order to assure the measurements uniformity, metrological services may be established in Federal Executive bodies; in state corporations, legal entities and individual entrepreneurs engaged in the field of assuring the measurements uniformity.

State regulation is executed in the following forms:

- type approval of reference materials or type of measuring instruments;
- verification of measuring instruments;
- metrological examination;
- Federal state metrological supervision; (as amended by the Federal law of 18.07.2011 No. 242-FL)
- certification of measurement procedures;
- accreditation of legal entities and self-employed entrepreneurs to perform work and (or) render services in the field of assurance of measurement uniformity.

The state metrological supervision is carried out over:

- observance of obligatory requirements in sphere of state regulation of assurance of measurement uniformity to measurements, measurement units and also to standards, standard reference material, measuring instruments during their release from manufacture, import on territory of the Russian Federation, sale and application on territory of the Russian Federation;
- availability and observance of the certified measurement procedures.

International cooperation in the field of metrology is performed with the following organizations:

- International Organization of Legal Metrology (OIML);
- International Bureau of Weights and Measures (BIPM);
- Euro-Asian Cooperation of National Metrological Institutions (COOMET);
- Asia-Pacific Legal Metrology Forum (APLMF);
- Interstate Council for Standardization, Metrology and Certification (EASC);
- The Eurasian Economic Community (EAEC);
- other international and regional organizations.

Metrology institutes of the Russian Federation actively collaborate with national metrology centers of Germany, the USA, the United Kingdom, Slovakia, Japan, France, Korea, China, India, Belarus, Ukraine, etc.

The priority activities of regional centers for standardization, metrology and testing (FBU CSM), are: improvement, maintenance and use of national measurement standards used to ensure traceability; involvement in the provision of public services to ensure the uniformity of measurements in accordance with the scope of accreditation; conducting verification of measuring instruments included in the restrictive list of measuring instruments established by the Government of the Russian Federation; the transfer of measurement units from national measurement standards. At present, there are 74 FBU CSMs located in 8 Federal Districts in the Russian Federation located in 8 Federal districts.

3. National measurement standards

Russia has 162 primary standards. Information on all standards of the Russian Federation, as well as their distribution by measurement areas and State metrological research institutes is available at:

<https://fgis.gost.ru/fundmt/page/site/fundmetrology/dp/ws/registers#list=workspace://SpacesStore/44287589-67ec-4694-82c5-73cb14d3ecf7¤tPage=1¤tPageSize=25&>

4. Participation in the Metre Convention

Member of the Metre Convention since 1875.

Signatory of the Mutual Recognition Agreement (CIPM MRA):

Rosstandard (October 14, 1999).

Representatives of metrology institutes of the Russian Federation participate in the work of all Consultative Committees of the international Bureau of weights and measures.

Designated institutions:

VNIIM is a signatory of the CIPM MRA and may use the CIPM MRA logo since 13 October 2006.

VNIIFTRI is a signatory of the CIPM MRA and may use the CIPM MRA logo since 13 November 2006.

VNIIOFI is a signatory of the CIPM MRA and may use the CIPM MRA logo since 14 November 2006.

VNIIMS is a signatory of the CIPM MRA and may use the CIPM MRA logo since 07 November 2006.

The information about the participation of the Russian Federation in the CIPM MRA is available at:

<https://www.bipm.org/en/about-us/member-states/ru/cipm-mra.html>.

First Deputy Director for Science of FSBI "VNIIMS" (Doctor of Technical Sciences Fedor Bulygin) is a member of CIPM (since 2014)

<https://www.bipm.org/en/about-us/member-states/ru/>

5. Confirmations of recognition of QMS of NMIs (within COOMET)

VNIIM (including UNIIM – affiliated branch of the D.I.Mendeleyev Institute for Metrology and VNIIR - affiliated branch of the D.I.Mendeleyev Institute for Metrology) QMS confirmation of recognition (ISO/IEC 17025): QSF-R79 from 04.03.2021 until 04.03.2026

VNIIM (including UNIIM – affiliated branch of the D.I.Mendeleyev Institute for Metrology) QMS confirmation of recognition (ISO 17034): QSF-R80 from 04.03.2021 until 04.03.2026

VNIIOFI QMS confirmation of recognition (ISO/IEC 17025): QSF-R76 from 04.03.2021 until 04.03.2026

VNIIOFI QMS confirmation of recognition (ISO 17034): QSF-R77 from 04.03.2021 until 04.03.2026

VNIIFTRI (including branches West-Siberian (Novosibirsk) and East-Siberian (Irkutsk) QMS confirmation of recognition (ISO/IEC 17025): QSF-R78 from 04.03.2021 until 04.03.2026

VNIIMS QMS confirmation of recognition (ISO/IEC 17025): QSF-R75 from 04.03.2021 until 04.03.2026

6. State CMC data

KCDB: <https://www.bipm.org/kcdb/cmc/quick-search?keywords=russia>

COOMET database: http://www.coomet.org/DB/com/index.htm?RU,CMC_RU,RU

7. OIML membership status

OIML Member state.

https://www.oiml.org/en/structure/members/contactmember_view?IDCountry=178&CountryName=RUSSIAN%20FEDERATION&iso=RU&M=1

The specialists of Russian NMIs participate in work of all OIML TCs/PCs.

Russian Federation maintains the Secretariats of the following OIML TCs/PCs:

TC 10/SC 2 "Pressure gauges with elastic sensing elements" (VNIIMS);

TC 11/SC 1 "Resistance thermometers" (VNIIM);

TC 11/SC 3 "Radiation thermometers" (VNIIM);

TC 15 "Measuring instruments for ionizing radiations" (VNIIFTRI);

TC 15/SC 1 "Measuring instruments for ionizing radiations used in medical applications " (VNIIFTRI);

TC 17 "Instruments for physico-chemical measurements" (VNIIM);

TC 17/SC 2 "Saccharimeters" (VNIIM);

TC 17/SC 3 "pH-metry" (VNIIFTRI);

TC 17/SC 4 "Conductometry" (VNIIM);

TC 17/SC 5 "Viscosimetry" (VNIIM);

TC 17/SC 6 "Gas analysis" (VNIIM);

TC 18/SC 4 "Bio-electrical instruments" (VNIIOFI);

TC 3/SC 3 "Reference materials " (VNIIM);

TC 7/SC 1 "Measuring instruments for length" (VNIIM);

TC 9/SC 4 "Densities" (VNIIM).

The information about the participation of Russian Federation in OIML TCs/PCs work is available at:

https://www.oiml.org/en/tc-sc-pg/scinfo_view



SLOVAKIA

COOMET MoU year of signing:	17 March 1993
Area:	49,035 km ²
Population:	5.44 million

1. Law on metrology

Act No 157/2018 Coll. on metrology and amending certain laws as amended.

Complete list of metrological legislation available at: <https://www.unms.sk/stranka/164/metrologicka-legislativa/>

2. Metrological infrastructure

The institution responsible for national and other measurement standards and scientific metrology in Slovakia is the Slovak Institute of Metrology (SMU), which in accordance with the Law on Metrology is a contributory institution, responsible for the mentioned areas.

The Slovak Institute of Metrology (SMU) has been established in 1968 as the National Czechoslovak Institute of Metrology and has more than 51 years of experience. SMU fulfils tasks as the national metrology institution (NMI) for the Slovak Republic since 1st of January 1993. At the present time SMU is subsidized organization of the Slovak Office of Standards, Metrology and Testing (UNMS).

Main tasks of SMU include:

- ensurance of implementation, preservation, development and international comparison of the national standard and unit transfer to a dedicated measurement device;
- ensurance of international recognition of specific national standard;
- representation of the Slovak Republic in international metrological organizations to which it is a member and assures the tasks that arise from this membership;
- proposals on a specific standard for its declaration as a national standard, or its change of status to a non-national standard;
- research in scientific and technical metrological fields;
- calibration of operating standards and calibration of obligatorily calibrated measurement device and other measuring instrument and performance of official measurement;
- verification of specified measuring devices, that are subject to verification;
- approval of type for specific measurement devices;
- supervision and the creation of certified reference materials within Slovakia;
- development of technical standards;
- specification of technical requirements and methods for verification of measuring instruments, subject to verification, and testing for type approval;
- performance of tests of a specified range of ionizing radiation sources based on a special license issued under a separate regulation;
- training and improvement of professional skills of employees in legal metrology, calibration centers and other employees, involved in technical measurements and metrology;
- active participation on national and international projects in the field of metrology;
- certification of employees in metrology;
- conducting specialized and technical works in the field of accreditation and certification bodies.

General Director: Mr. Maros Kamensky, MBA

Address: Karloveská 63, 842 55 Bratislava, Slovak Republic

Telephone: +421 2 602 94 204

Email: maros.kamensky@smu.gov.sk

Web: <http://www.smu.sk/>

The institutions responsible for legal metrology are:

Slovak Office of Standards, Metrology and Testing (UNMS)

It is the central steering body of the state administration in the field of metrology, standardisation and testing.

The main tasks and activities of the UNMS in the field of metrology are:

- elaborates the concept of state policy in the field of metrology and ensures its realization;
- prepares legislation and legal rules (acts and decrees) referring to legal metrology;
- represents the Slovak Republic in international metrological organizations, ensures the tasks emerging from this membership and co-ordinates the participation of bodies, legal entities and physical persons in the fulfillment of these tasks as well as of tasks arising from international agreements in the field of metrology, by which the Slovak Republic is bound;
- steering of metrology in the state in the scope given by the Act on Metrology, including subordinate metrology institutions (Slovak Institute of Metrology (SMU), Technical Testing Institute (TSU), Slovak Legal Metrology (SLM), Slovak National Accreditation Service (SNAS) and Slovak Metrology Inspectorate (SMI));
- declares national standards, changes the declaration of national standards and cancels the declaration of national standards;
- determines the kinds of legally controlled measuring instruments, technical requirements and metrological requirements for individual kinds of legally controlled measuring instruments and the methods for their metrological control;
- methodical supervision of metrological activities.

President of UNMS: Mrs. Katarina Surmikova Tatranska

Address: Štefanovičova 3, P.O. Box 76, 810 05 Bratislava 15, Slovak Republic

Telephone: +421 2 57 485 212

Email: predseda@normoff.gov.sk

Web: <http://www.unms.sk/>

Div. of Metrology: Mr. Jaroslav Boris

Telephone: +421 2 20 907 270

Email: jaroslav.boris@normoff.gov.sk

Slovak Legal Metrology (SLM), non-profit organisation, the SLM is charged with the following main activities:

- research and development;
- verification of legally controlled measuring instruments;
- calibration of reference and working standards for industry;
- calibration of ordinary measuring instruments for customers;
- carrying out of pattern evaluation of measuring instruments;

- organization of interlaboratory comparisons;
- testing of measuring instruments and standards;
- conformity assessment of measuring instruments according to the Directive 2014/31/EU and 2014/32/EU;
- conformity assessment of measuring instruments in the frame of OIML certification system;
- consulting

General Director: Mr. Peter Vook

Address: Hviezdoslavova 31, 974 01 Banská Bystrica, Slovak Republic

Telephone: +421 48 4719122

Email: slm@slm.sk

Web: <http://www.slm.sk/>

Slovak Metrology Inspectorate (SMI) – a subordinate institution of the UNMS.

Its main task is to perform the state metrology supervision over the compliance with the Law on Metrology and Decrees and supervision over measuring instruments and measurements in the Slovak Republic.

Director: **Mr. Peter Kadlec**

Address: Karloveská 63, 841 04 Bratislava, Slovak Republic

Telephone: +421 2 /4020 36 70

Email: smi@smi.sk

Web: <http://www.smi.sk/>

Other institutions in the field of legal metrology are authorised bodies. These institutions are authorised by the UNMS for verification of specified types of legally controlled measuring instruments.

Organizations, responsible for calibration service

Calibration of operating instruments is mainly carried out by individual calibration laboratories, located at factories and other organizations. Some of these laboratories are accredited by the Slovak National Accreditation Service (SNAS) in accordance with ISO/IEC 17025. SMU and SLM also provide services on calibration of measuring instruments.

Slovak National Accreditation Service (SNAS)

Director: **Mr. Martin Sencak**

Address: Karloveská 63, 841 00 Bratislava, Slovak Republic

Contact person: Mgr. Zuzana Tunegova

Telephone: +421 940 642 303

Email: snas@snas.sk, zuzana.tunegova@snas.sk

Web: <http://www.snas.sk/>

3. National measurement standards

Slovakia has 25 primary standards. Information on all standards of Slovakia, as well as their distribution by measurement areas is available at: <https://www.smu.sk/narodne-etalon/>

4. Status of participation in the Metre Convention

Member of the Metre Convention since 1922.

Signatory of the Mutual Recognition Agreement (CIPM MRA):

Slovak Metrology Institute (SMU) (October 19, 1999).

(Has the right to use the CIPM MRA logo from March 13, 2007)

SMU has representatives in 5 BIPM Consultative Committees.

<https://www.bipm.org/en/about-us/member-states/sk/>

5. Confirmations of recognition of QMS of NMIs (within COOMET)

Slovakia receives its NMI QMS recognition within EURAMET.

6. State CMC data

Slovakia publishes its CMC data within EURAMET.

KCDB: <https://www.bipm.org/kcdb/cmc/quick-search?keywords=slovakia>

7. OIML membership status

OIML Member state.

https://www.oiml.org/en/structure/members/contactmember_view?IDCountry=193&CountryName=SLOVAKIA&iso=SK&M=1



TAJIKISTAN

COOMET MoU year of signing:	18 November 2009
Area:	143,100 km ²
Population:	9 million

1. Law on metrology

Law of Republic of Tajikistan "About maintenance of unity of measurements".

2. Metrological infrastructure

Legal basis of maintenance of unity of measurements and the state metrological system is Constitution of Republic of Tajikistan, Law of Republic of Tajikistan "About maintenance of unity of measurements" No. 435 from May, 15th, 1997 (changes and additions No. 321 from July, 30th, 2007, No. 467 from December, 31st, 2008), and also other regulatory legal acts of Republic of Tajikistan.

The metrological service of Republic of Tajikistan consists of the State metrological service and metrological services of legal bodies.

The state metrological service is headed by Agency Tajikstandard and includes bodies of the State metrological service in Gorno-Badakhshansky autonomous region, republic areas, areas of republican submission and a city of Dushanbe.

The structure of the State metrological service includes 14 regional centers of Tajikstandard.

Activity on maintenance of functioning and development of the State metrological system is carried out by **Agency on Standardization, Metrology, Certification and Trade Inspection under the Government of the Republic of Tajikistan (Tajikstandard)**.

Director: Mr. Tamurjon Nazurullo ABDULVAKHOBZODA
Address: N. Karabaev Str., 42/2, 734018 Dushanbe, Tajikistan
Telephone: +992 37 233 68 69
Fax: +992 37 233 44 99
Email: info@standard.tj
Web: www.standard.tj

Deputy Director – COOMET Committee Member: Mr. Mansur Hudzhavali SAFARZODA

Address: N. Karabaev Str., 42/2, 734018 Dushanbe, Tajikistan
Telephone: +992 37 233 61 75
Fax: +992 37 233 44 99
Email: info@standard.tj
Web: www.standard.tj

Head of Metrology Department: Mr. Jurakhon Rahmoil RAKHIMZODA

Address: N. Karabaev Str., 42/2, 734018 Dushanbe, Tajikistan
Telephone: +992 37 233 68 86

Fax: +992 37 233 44 99
Email: coomet-tj@standard.tj
Web: www.standard.tj

The competence of Tajikstandard concern:

- the organization of carrying out of basic researches in the field of metrology;
- the organization of creation and functioning of reference base;
- definition of the general metrological requirements to means of measuring techniques, methods and results of measurements;
- the statement of types of measuring instruments;
- definition of the general requirements concerning an order of carrying out of calibration and metrological certification of means of measuring techniques, working out of statutory acts, programs etc.;
- inter-regional and inter-branch coordination of activity on maintenance of unity of measurements;
- establishment of rules of creation, the statement, storage and application of the state standards of units of quantities;
- definition of the general metrological requirements to means, methods and results of measurements;
- realization of the state metrological control and supervision;
- a management of activity of the state metrological service and other metrological services of maintenance of unity of measurements;
- participation in activity of the international metrological organizations.

The international cooperation of Tajikstandard in the field of metrology is carried out in frameworks:

- Interstate Council for Standardization, Metrology and Certification (EASC);
- Euro-Asian Cooperation of National Metrological Institutions (COOMET).

3. National measurement standards

There are about 70 initial and exemplary measuring instruments in the laboratories of Tajikistan, which are considered national standards of the republic.

4. Status of participation in the Metre Convention

Tajikistan is not currently a signatory to the CIPM MRA or an associate member of the CGPM, and it is not entitled to use the CIPM MRA logo.

5. Confirmations of recognition of QMS of NMIs (within COOMET)

-

6. State CMC data

-

7. OIML membership status

-



TURKEY

COOMET MoU year of signing:	16 April 2014 (associate member)
Area:	783,100 km ²
Population:	84.7 million

1. Law on metrology

Law No. 3516 on Measures and Calibrations (1989).

2. Metrological infrastructure

TÜBİTAK Ulusal Metroloji Enstitüsü (TÜBİTAK UME), as the National Metrology Institute of Turkey, is responsible for the establishment and maintenance of national measurement standards as well as research and development activities in scientific metrology in Turkey.

TÜBİTAK UME is a research and development institute that operates under the umbrella of the Scientific and Technological Research Council of Turkey (TÜBİTAK), which is an affiliated institution of the Ministry of Industry and Technology.

The institute aims to ensure the reliability of all measurements conducted in Turkey, to make provisions for the integration of these measurements into the international system and to develop existing and new measurement technologies, thereby establishing the national measurement system required for ensuring the accuracy of measurements used in commercial and industrial settings and which contributes to equity in national and international trade, increases in the quality of Turkish industrial products and enhances Turkey's scientific and technological development.

Director of TÜBİTAK UME: Dr. Mustafa Çetintas

Address:	TÜBİTAK Gebze Yerleskesi Baris Mah., Dr. Zeki Acar Cad. No. 1, 41470 Gebze Kocaeli, Turkey
Telephone:	+90 262 679 5000
Fax:	+90 262 679 5001
Email:	mustafa.cetintas@tubitak.gov.tr
Web:	www.ume.tubitak.gov.tr

The main activities of TÜBİTAK UME can be summarized as follows:

- to establish and maintain national measurements standards in accordance with the SI Units.
- to ensure the traceability of national measurement standards to international standards and to disseminate traceability nationally through the provision of calibration services
- to support the other elements of the national measurement system through the provision of training, consultancy services, publications and other mechanisms and the organization of interlaboratory comparisons and proficiency testing programmes.
- to produce and distribute certified reference materials to ensure the traceability of chemical measurements in Turkey.
- to contribute to research and development in the areas of measurement techniques, calibration and measurement technologies at the international level.
- to represent Turkey at an international level in the field of metrology and to cooperate with international organizations and other national metrology institutes in order to fulfill the requirements of the Metre Convention and the CIPM Mutual Recognition Arrangement (CIPM MRA).

Under the terms of the CIPM Mutual Recognition Arrangement, TÜBİTAK UME has designated the Turkish Atomic Energy Authority (TAEK) to carry out the responsibility for establishing measurement standards and scientific metrology activities in the area of Ionizing Radiation. The designation of TAEK was made in 2007. Structural reorganisation related to the status of TAEK occurred in 2020. The new legal entity named Turkish Energy, Nuclear and Mineral Research Agency (TENMAK) tied to the Ministry of Energy and Natural Resources, related to energy, nuclear energy, ionizing radiation and mineral sources like boron and rare earth elements was established by the decree of the President of Turkish Republic (Decree 57 dated 28 March 2020). TAEK renamed as Nuclear Energy Research Institute (NÜKEN) operates under the auspices of TENMAK and inherits all responsibilities of former TAEK. Similarly, the Marmara Research Center, Materials Institute - Underwater Acoustics Laboratory (MRC MI-UAL) has been designated in the area of underwater acoustics in 2012.

The General Directorate for Metrology and Safety of Industrial Products (GDMSIP) under the Ministry of Industry and Technology (MIT) is the authority for legal metrology in Turkey.

Duties of the General Directorate for Metrology and Safety of Industrial Products were specified in the Decree Law on the Organization and Duties of the Ministry of Industry and Technology published in the Official Gazette No. 30473 dated 09.07.2018. The general framework for legal metrology activities is provided by the Law No. 3516 on Measures and Calibrations that went into effect on 21.01.1989 and Law No. 4703 on Preparation and Implementation of Technical Legislation Regarding Products dated 29.06.2001.

GDMSIP operates 7 regional metrology laboratories and 81 provincial verification bureaus. It is responsible for setting policy in the areas of legal metrology and standardization, specifying and applying mandatory standards and technical regulations in legal metrology and pre-packaging, conducting market surveillance and controls, designating and maintaining oversight of conformity assessment bodies and notified bodies in accordance with EU directives, control of measurement instruments used in trade, and the operation and supervision of public and private legal metrology laboratories. The practice of legal metrology in Turkey has undergone significant change in recent years as technical regulations have been harmonized with the EU within the scope of the ongoing membership negotiations with Turkey. Within this context, the GDMSIP has been responsible for the implementation of the Non-Automatic Weighing Instruments and Measurement Instruments Directives (NAWI and MID) of the EU.

Acting General Director of GDMSIP: Mr. Mehmet BOZDEMİR

Address: Ministry of Industry and Technology, Mustafa Kemal Mah., Dumlupınar Bulvarı 2151. Cadde No. 154, 06510 Cankaya Ankara, Turkey

Telephone: +90 444 61 00

Fax: +90 312 231 1694

Email: info@sanayi.gov.tr

3. National measurement standards

TÜBİTAK UME maintains 138 primary level national measurement standards.

<http://www.ume.tubitak.gov.tr/>

4. Status of participation in the Metre Convention

Member of the Metre Convention since 1875.

Signatory of the Mutual Recognition Agreement (CIPM MRA):

TÜBİTAK UME (October 14, 1999)

(Has the right to use the CIPM MRA logo from October 19, 2006)

TÜBİTAK UME is a full member and has representatives in 8 CIPM Consultative Committees.

<https://www.bipm.org/en/countries/tr>

5. Confirmations of recognition of QMS of NMIs (within COOMET)

Turkey receives its QMS recognition within EURAMET.

TÜBİTAK UME and Turkish Designated Institutes present their QMS within EURAMET TC-Quality. The latest confirmation of recognition for TÜBİTAK UME and TENMAK-NÜKEN (formerly TAEK) was received in 2019.

6. State CMC data

Turkey publishes its CMC data within EURAMET.

KCDB: <https://www.bipm.org/kcdb/cmc/quick-search?keywords=turkey>

7. OIML membership status

OIML Member state.

https://www.oiml.org/en/structure/members/contactmember_view?IDCountry=217&CountryName=TURKEY&iso=TR&M=1



UKRAINE

COOMET MoU year of signing:	2 June 1992
Area:	603,700 km ²
Population:	42.4 million

1. Law on metrology

The Law of Ukraine No. 1314-VII from 5 June 2014 "On Metrology and Metrological Activity".

2. Metrological infrastructure

The legislative framework of the metrology system of Ukraine is the Law "On Metrology and Metrological Activity".

The metrology system of Ukraine includes:

- National Metrology Service;
- legal and regulatory framework, including legislative acts, technical regulations and other legal and regulatory acts that govern the relations in the field of metrology and metrological activity;
- National Standards Base and the system of transferring the sizes of the units of measurement;
- system of voluntary accreditation of calibration laboratories, as well as the system of accreditation of testing laboratories and conformity assessment bodies;
- educational institutions, scientific and research institutions and organizations that disseminate knowledge and experience in the field of metrology and metrological activity.

The National Metrology Service includes:

- central executive body that ensures the formation of the state policy in the field of metrology and metrological activity;
- central executive body that realizes the state policy in the field of metrology and metrological activity;
- central executive body that realizes the state policy in the field of metrological supervision;
- scientific metrology centres;
- state enterprises in the field of the Ministry for Development of Economy, Trade and Agriculture of Ukraine – metrology centers;
- State Service of Universal Time and Reference Frequencies;
- State Service of Reference Materials of Composition and Properties of Substances and Materials;
- State Service of Reference Data on Physical Constants and Properties of Substances and Materials;
- metrology services of the central executive bodies, other state bodies, enterprises and organizations;
- bodies of conformity assessment of measuring instruments and verification laboratories.

All the activities on ensuring the functioning and development of metrology system are coordinated by the **Ministry of Economy of Ukraine**.

Minister: Mrs. Yuliia Svyrydenko
Address: 12/2 Grushevskogo Str., Kyiv, 01008, Ukraine
Telephone: +38 044 528 92 27
Fax: +38 044 528 90 14
Email: meconomy@me.gov.ua
Web: www.me.gov.ua

One of the activities of the Ministry of Economy of Ukraine is to provide the development and realization of the state policy in the field of technical regulation (standardization, metrology, certification, conformity assessment (confirmation), accreditation of conformity assessment bodies, quality management), including:

- provision of statutory regulation in the field of metrology and metrological activity;
- organization of conducting the fundamental researches in the field of metrology;
- provision of maintenance and improvement of the National Standards Base;
- development or participation in the development of the state scientific and scientific-technical programs related to ensuring the uniformity of measurements;
- representation and participation of Ukraine in the activities of international, European and other regional metrology organizations;
- exercising of other powers established by the laws and imposed on it by the acts of the Cabinet of Ministers of Ukraine.

SCIENTIFIC METROLOGY CENTRES

National Scientific Centre "Institute of Metrology" (NSC "IM")

General Director: Prof. Pavel Neyezhnikov

Address: 42 Mironositskaya Str., Kharkiv-2, 61002, Ukraine

Telephone: +38 057 700 34 09

Fax: +38 057 700 34 47

Email: info@metrology.kharkov.ua

Web: <http://www.metrology.kharkov.ua/>

NSC "Institute of Metrology":

- carries out the fundamental scientific and applied scientific researches in the field of metrology;
- participates in the development of state programs on metrology, concepts of these programs and the concept of development of metrology system in Ukraine;
- carries out the research and development works related to the creation, improvement, maintenance, comparison, use of the national standards, the establishment of the systems of transferring the sizes of the units of measurements (providing metrological traceability with account for the needs of the national economy and international experience);
- participates in the drafting of technical regulations of other legal and regulatory acts, as well as the normative documents in the field of metrology and metrological activity;
- performs functions of the Head Center of the Service of Universal Time and Reference Frequencies;
- performs functions of the scientific and methodological center of the Service of Reference Materials of Composition and Properties of Substances and Materials;
- coordinates the scientific and metrological activity related to the measurements and calculations of time in the territory of Ukraine;
- provides intersectional coordination and scientific-methodological support on works on the development and use of reference materials of composition and properties of substances and materials;
- performs the works on conformity assessment of legally regulated measuring instruments to the technical regulations in case of its appointment as a conformity assessment body;
- carries out the verification of legally regulated measuring instruments in operation according to the respective types and subtypes of measurements, which have internationally recognized calibration and measurement

capabilities, and/or with the use of national standards, provided the empowerment to carry out the verification of the relevant measuring instruments;

- maintains and uses the national standards of the units of physical quantities in the types and subtypes of measurements assigned to it;
- carries out the calibrations of measuring instruments used in and/or out of the field of legally regulated metrology;
- carries out the measurements in the field of legally regulated metrology;
- develops measurement, verification and calibration techniques;
- provides the management of the information fund of national standards and reference materials appropriate for use in verification of legally regulated measuring instruments;
- provides cooperation with the international metrology organizations;
- ensures the activity of the national secretariats of international, intergovernmental and regional metrology organizations: CGPM, EASC, COOMET, EURAMET.

The State Enterprise "All-Ukrainian State Research and Production Center for Standardization, Metrology, Certification and Consumers' Rights Protection" (SE "Ukrmetrteststandart")

General Director: Mr. Dmitry Sabatovich

Address: 4 Metrologichna Str., Kyiv, 03680, Ukraine

Telephone: +38 044 526 52 29

Fax: +38 044 526 42 60

Email: ukrcsm@ukrcsm.kiev.ua

Web: <http://www.ukrcsm.kiev.ua>

SE "Ukrmetrteststandart":

- performs the coordination functions and methodical management of metrology service;
- is the scientific and methodological center of the Service of Reference Data on Physical Constants and Properties of Substances and Materials;
- provides the management of the register of approved types of measuring instruments of Ukraine;
- participates in the development of state programs on metrology, concepts of these programs and the concept of development of metrology system in Ukraine;
- carries out the research and development works directed on the creation, improvement, maintenance, comparison, use of the national standards, the establishment of the systems of transferring the sizes of the units of measurements (providing metrological traceability with account for the needs of the national economy and international experience);
- participates in the drafting of technical regulations of other legal and regulatory acts, as well as the normative documents in the field of metrology and metrological activity;
- performs the works on conformity assessment of legally regulated measuring instruments to the technical regulations as a conformity assessment body;
- carries out the verification of legally regulated measuring instruments in operation;
- maintains and uses the national standards of the units of physical quantities in the types and subtypes of measurements assigned to it;
- carries out the calibrations of measuring instruments used in and/or out of the field of legally regulated metrology;
- carries out the measurements in the field of legally regulated metrology;

- develops measurement, verification and calibration techniques;
- provides cooperation with the international metrology organizations;
- ensures the activity of the national secretariat of International Organizations of Legal Metrology OIML.

The State Enterprise "Scientific-Research Institute for Metrology of Measurement and Control Systems" (DP NDI "Systema")

Director: Dr. Vasiliy Parakuda

Address: 6 Kryvonosa Str., Lviv, 79008, Ukraine

Telephone: +38 032 239 92 00

Fax: +38 032 235 84 49

Email: institute.systema@gmail.com, office@dndi-systema.lviv.ua

Web: <https://www.dndi-systema.lviv.ua/>

DP NDI "Systema":

- carries out fundamental and applied scientific research in the field of acoustical, hydroacoustical and ultrasonic measurements;
- coordinates and provides scientific and methodological support aimed at ensuring the unity and traceability of measurements in the field of acoustics and ultrasound in Ukraine;
- coordinates the scientific and metrological activities relating to metrological support of measurement and control systems;
- serves as the secretariat of the National Technical Committee for Standardization in the field of quality management;
- participates in the drafting of technical regulations of other legal acts and normative documents in the field of metrology and metrological activity;
- performs conformity assessment of legally regulated measuring instruments to the technical regulations;
- carries out research and development works related to the creation, improvement, maintenance, comparison and use of national measurement standards of Ukraine;
- carries out verification of legally regulated measuring instruments for the assigned types and subtypes of measurements using the national standards;
- carries out calibration of measuring instruments used in the field of legally regulated metrology or outside it;
- cooperates with international metrological organizations.

The STATE ENTERPRISE "IVANO-FRANKIVSK SCIENTIFIC AND PRODUCTION CENTER FOR STANDARDIZATION, METROLOGY AND CERTIFICATION" (SE "IVANO-FRANKIVSKSTANDARTMETROLOGY")

General Director: Mr. Oleh Korzhak

Address: 127, Vovchynetska Str., Ivano-Frankivsk, 76006, Ukraine

Telephone: +38 03425 3 56 17

Fax: +38 03425 3 02 00

Email: ifstandartmetrology@gmail.com

Web: <http://www.ifdcsms.com.ua>

SE " IVANO-FRANKIVSKSTANDARTMETROLOGY ":

- carries out the fundamental scientific researches in the field of metrology, as well as the works related to the development and implementation of the state programs on metrology and conception of development of the metrological system of Ukraine in the field of measurements of gas volume and volume flow rate;
- carries out the applied scientific researches and scientific research works related to the creation, improvement, maintenance, comparison, and use of the national primary and secondary standards, the establishment of the systems of transferring the sizes of the units of measurements;
- coordinates and carries out the scientific-methodological support of works on maintenance of uniformity of measurements in the field of measurements of gas volume and volume flow rate;
- carries out the conformity assessment of the measuring instruments;
- carries out the calibrations and verifications of the measuring instruments;
- carries out the measurements in the field of legally regulated metrology;
- provides the management of the information fund in the field of measurements of gas volume and volume flow rate;
- participates in the international cooperation on the measurements of gas volume and volume flow rate.

3. National measurement standards

Number of national measurement standards of Ukraine – 83.

<http://www.me.gov.ua/Documents/List?lang=uk-UA&id=cb9e4355-668e-4170-89af-ce23d4e0857e&tag=NatsionalnaEtalonnaBaza>

4. Status of participation in the Metre Convention

Member of the Metre Convention since 2018.

Signatory of the Mutual Recognition Agreement (CIPM MRA):

Ministry of Economic Development and Trade of Ukraine (October 14, 2003).

Designated Institutions:

- NSC "Institute of Metrology" (Has the right to use the CIPM MRA logo since March 23, 2007).
- SE "Ukrmetrteststandart" (Has the right to use the CIPM MRA logo from August 17, 2007).
- SE "IVANO-FRANKIVSKSTANDARTMETROLOGY" (Has the right to use the CIPM MRA logo from December 11, 2013).
- DP NDI "Systema" (Has the right to use the CIPM MRA logo from July 30, 2007).

<https://www.bipm.org/en/about-us/member-states/ua/>

The General Director of NSC "Institute of Metrology" (Prof. Pavel Neyezhnikov) is a CIPM member (since 2018).

5. Confirmations of recognition of QMS of NMIs (within COOMET)

NSC "Institute of Metrology" QMS confirmation of recognition (ISO/IEC 17025): QSF-R86 until 30.09.2026.

SE "Ukrmetrteststandart" QMS confirmation of recognition (ISO/IEC 17025): QSF-R84 until 30.09.2026.

SE "Ukrmetrteststandart" QMS confirmation of recognition (ISO 17034): QSF-R85 until 30.09.2026.

DP NDI "Systema" QMS confirmation of recognition (ISO/IEC 17025): QSF-R46 until 15.02.2022 (extended until 01.08.2022 in accordance with a resolution of COOMET Presidential Council in view of the situation with the Covid-19 pandemic).

SE "IVANO-FRANKIVSKSTANDARTMETROLOGY" QMS confirmation of recognition (ISO/IEC 17025): QSF-R54 until 04.10.2023.

6. State CMC data

KCDB: <https://www.bipm.org/kcdb/cmc/quick-search?keywords=ukraine>

COOMET database: http://www.coomet.org/DB/com/index.htm?RU,CMC_RU,RU

7. OIML membership status

OIML member.

https://www.oiml.org/en/structure/members/contactmember_view?IDCountry=222&CountryName=UKRAINE&iso=UA&M=1



UZBEKISTAN

COOMET MoU year of signing:	27 May 2004
Area:	448 924 km ²
Population:	35,6 million

1. Law on metrology

The Law of the Republic of Uzbekistan "On Metrology" dated April 7, 2020 No. LRU-614.

2. Metrological infrastructure

State administration in the field of metrological activity is carried out by the national metrology body - the Uzbek Agency for Technical Regulation (hereinafter referred to as the specially authorized state body).

The metrological service of the Republic of Uzbekistan consists of the state metrological service, metrological services of state and economic administration bodies, as well as metrological services of legal entities that are not state and economic administration bodies.

The state metrological service consists of a specially authorized state body and its subdivisions in the Republic of Karakalpakstan, regions and the city of Tashkent, as well as the Uzbek National Institute of Metrology.

Metrological services of state and economic administration bodies consist of specially created and accredited subdivisions under state and economic administration bodies.

Metrological services of legal entities consist of specially created and accredited legal entities that are not state and economic administration bodies, and (or) subdivisions under them (hereinafter referred to as metrological services of legal entities).

Metrological services of state and economic administration bodies and metrological services of legal entities are created when necessary to carry out work to ensure the uniformity of measurements and to carry out metrological control.

Uzbek Agency for Technical Regulation

The Uzbek Agency for Technical Regulation is a state administration body specially authorized to solve problems in the field of technical regulation, standardization, metrology and conformity assessment (hereinafter referred to as the field of technical regulation)..

The main tasks of the Uzbek Agency for Technical Regulation are:

- ensuring of the practical implementation of the Laws of the Republic of Uzbekistan "On Technical Regulation", "On Standardization", "On Metrology", "On Certification of Products and Services", "On Conformity Assessment" and other normative legal acts in the field of technical regulation;
- implementation of a unified state policy in the field of technical regulation, improving the quality and competitiveness of products based on the application of international standards, including the quality management system;
- ensuring of the development of technical regulation and dissemination of scientific and technical information in the field, as well as their harmonization with international, interstate and national systems of foreign countries;
- implementation of measures to ensure consumer rights related to the compliance with the requirements for safety and quality of products, works, services and protection from negative consequences of unreliable measurement results;

- organization of retraining and advanced training of personnel in the field of technical regulation;
- ensuring of the compliance of domestic products with modern requirements and increase of their competitiveness in foreign markets by actively introducing international standards and technical regulations in their production;
- widespread introduction of modern product quality management systems, primarily at exporting enterprises, and certification of products for compliance with the requirements of technical regulations and normative documents on standardization;
- creation of favorable conditions for exporting enterprises in the matters of product conformity assessment, intensification of interaction with international organizations aimed at ensuring the recognition of national certificates and the results of conformity assessment in the main export markets;
- further development of technical regulation and metrology systems, increase of their efficiency in ensuring systematic safety control of products sold;
- introduction of modern information and communication technologies, expansion of the types of interactive public services provided to business entities and to the population;
- warning and prevention of violations of legislation in the field of technical regulation, standardization, certification and metrology;
- provision of industrial enterprises and business entities with comprehensive assistance in the matters of technical regulation;
- organization and coordination of the implementation of state supervision over compliance with the requirements of regulatory documents in the field of technical regulation, ensuring of the uniformity and reliability of measurements, rules of mandatory certification;
- coordination of the activities of technical committees for standardization, created under state administration bodies and economic associations;
- provision of stakeholders with normative documents on standardization in the prescribed manner;
- achievement of the required level of harmonization of normative documents on standardization with international requirements;
- provision of instructions to the Heads of industries and enterprises in case of non-compliance with the requirements of technical regulations and standards;
- organization and coordination of the implementation of work on the development of the main indicators in the field of technical regulation, standardization, conformity assessment, accreditation and metrology.

General Director: Mr. Dilshod Sattarov

Address: 333 A, Farobiy street, Almarae district, 100174, Tashkent, Republic of Uzbekistan

Telephone: +998 71 2020011

Web: www.standart.uz

Email: uzst@standart.uz

Uzbek National Institute of Metrology (UzNIM)

In accordance with the Decree of the President of the Republic of Uzbekistan the Uzbek National Institute of Metrology (UzNIM) was established in April 2017 on the basis of the existing State Institution "Center of National Standards", State Enterprise "Center on Rendering Metrological Services" and metrology units of the State Institution "Research Institute for Standardization, Metrology and Certification".

The main tasks and directions of activity of UzNIM are:

- implementation of measures to improve and develop the National measurement standards base of the Republic of Uzbekistan;
- maintenance of measurement standards, measuring instruments of the highest accuracy, their comparison at the international level, and storage and transfer of units of quantities;

- development of normative documents for ensuring the uniformity of measurements, implementation of international treaties on mutual recognition of metrological control results;
- implementation of metrological control and scientific research in the field of metrology.

Director: Mr. Lazizbek SAIDORIPOV

Address: 333 A, 333 B, Farobiy street, Almarae district, 100174, Tashkent, Republic of Uzbekistan

Telephone: +998 71 2020011 (1200)

Reception: +998 71 2020011 (1222)

Web: www.nim.uz

Email: info@nim.uz

3. National measurement standards

Number of national measurement standards: 23.

<http://nim.uz/ru/o-nas/etalony/>

4. Status of participation in the Metre Convention

Uzbekistan is an associate member of the CGPM since 2018.

Signatory of the Mutual Recognition Agreement (CIPM MRA):

UzNIM (November 12, 2018)

<https://www.bipm.org/en/about-us/associates/uz/>

5. Confirmations of recognition of QMS of NMIs (within COOMET)

-

6. State CMC data

-

7. OIML membership status

OIML Corresponding member.

https://www.oiml.org/en/structure/members/contactmember_view?IDCountry=228&CountryName=UZBEKISTAN&iso=UZ&M=2



ADDITIONAL INFORMATION



COOMET PUBLICATIONS

COOMET Documents

No	Document title	Registration number	Remarks
1.	COOMET Memorandum of Understanding	COOMET D1/2020	
2.	COOMET Rules of Procedure	COOMET D2/2021	
3.	Memorandum on cooperation in development and application of reference materials of composition and properties of substances and materials within COOMET	COOMET D3/2008	Project 28/RU-a/92 381/BY/07
4.	Document COOMET Publications. Classification, Development, Approval and Registration. General Provisions	COOMET D4/2014	Project 264/BY-a/02
5.	Document Model Regulations for COOMET Structural Bodies	COOMET D5/2021	Project 248/BY-a/02
6.	Document Procedure for Maintaining COOMET Website. General Provisions	COOMET D6/2013	Project 251/BY-a/02
7.	Document Regulation on Awarding the Distinguished Title "Honorary Metrologist of COOMET"	COOMET D7/2019	
8.	Document Criteria and Procedure of Admission for New COOMET Members	COOMET D8/2006	
10.	Document COOMET Web Portal.General Provisions and maintenance	COOMET D10/2013	Project 500/UA-a/10
11	Document The Procedure of Using the COOMET Logo	COOMET D11/2016	

Regulations of the COOMET Structural Bodies

No	Document title	Registration number	Remarks
1.	Regulations of Measurement Standards Joint Committee	COOMET D5.1/2018	
2.	Regulations on the COOMET Technical Committee "Acoustics, Ultrasound, Vibration" (TC 1.2)	COOMET D5.2/2003	
3.	Regulations on the COOMET Technical Committee "Flow Measurement" (TC 1.4)	COOMET D5.3/2021	
4.	Regulations on the COOMET Technical Committee "Length and Angle" (TC 1.5)	COOMET D5.4/2012	
5.	Regulations on the COOMET Technical Committee "Photometry and Radiometry" (TC 1.7)	COOMET D5.5/2003	
6.	Regulations on the COOMET Technical Committee "Physical Chemistry" (TC 1.8)	COOMET D5.6/2014	
7.	Regulations on the COOMET Technical Committee "Reference Materials" (TC 1.12)	COOMET D5.7/2013	
8.	Regulations of " General Questions Concerning Measurements (General Metrology)" (TC 1.1)	COOMET D5.8/2021	
9.	Regulations on the COOMET Technical Committee "Mass and Related Quantities" (TC 1.6)	COOMET D5.9/2012	
10.	Regulations on the COOMET Technical Committee "Thermometry and Thermal Physics" (TC 1.10)	COOMET D5.10/2004	
11.	Regulations on the COOMET Technical Committee "Time and Frequency" (TC 1.11)	COOMET D5.11/2006	
12.	Regulations on the COOMET Technical Committee "Legal Metrology" (TC 2)	COOMET D5.12/2014	

№	Document title	Registration number	Remarks
13.	Regulations on the COOMET Technical Committee "Information and Training" (TC 4)	COOMET D5.13/2021	
14.	Regulations on the COOMET Technical Committee "Electricity and Magnetism" (TC 1.3)	COOMET D5.14/2021	
15.	Regulations on the COOMET Technical Committee "Ionizing Radiation and Radioactivity" (TC 1.9)	COOMET D5.15/2006	
16.	Regulations on the COOMET Technical Committee "Quality Forum Technical Committee" (TC 3.1)	COOMET D5.16/2019	
17.	About the update of the membership COOMET Appeal Board on comparisons of the national measurement standards and CMC data peer review	COOMET D5.17/2016	
18.	Regulations on the Quality Forum	COOMET D5.18/2021	

COOMET Recommendations

№	Recommendation title	Registration number	Remarks
1.	Recommendation Interstate Hierarchical Chain for Time and Frequency Measuring Instruments	COOMET R/TF/2:1995	Project 16/RU-a/92
2.	Recommendation Requirements to Time and Frequency Measuring Equipment Produced by the COOMET Member Countries Required for Mutual Recognition of the Results of National Metrological Verifications and Certifications	COOMET R/TF/3:1995	Project 16/RU-a/92
3.	Recommendation Order of Joint Development, Recognition and Registration of Reference Materials within COOMET	COOMET R/RM/4:2008	Project 132/RU-a/95 374/RU/06
4.	Recommendation Contents and Rules of Drawing Up Documents for RM Developed within COOMET	COOMET R/RM/5:2010	Project 151/RU-a/96 414/UA/08
5.	Recommendation Register of Reference Materials of Composition and Properties of Substances and Materials Developed within COOMET. Fundamentals	COOMET R/RM/6:1910	Project 413/KZ/07
6.	Recommendation Procedure for an Intraregional Review of Calibration and Measurement Capabilities of COOMET NMIs and Dis and an Interregional Review of Calibration and Measurement Capabilities of NMIs and DIs of Other Regional Metrology Organisations	COOMET R/GM/7:2021	Project 828/RU/21
7.	Recommendation Layout, Presentation, Drawing Up and Contents of Measuring Instrument Type Specifications for National Register of Measuring Instruments	COOMET R/LM/8:2002	Project 207/BY/00
8.	Recommendation Recommendations on the evaluation of quality management systems of National metrology institutes/Designated institutes Annex 1 Criteria for the recognition of the quality management systems in COOMET NMIs/DIs Annex 2 (Annex A) Recommendations on giving an oral presentation at the COOMET Quality Forum of the quality management systems of National metrology institutes/Designated institutes (NMI/DI QMS) Annex 3 (Annex B) Recommendations on preparing a written presentation at the COOMET Quality Forum of the quality management systems of National metrology institutes/ Designated institutes (NMI/DI QMS) Annex 4 Regulation for auditors on a peer review of the QMS of NMIs/DIs Annex 5 Form of electronic voting ballots on recognition of the QMS	COOMET R/AQ/9:2019	Project 230/SK/01
9.	Recommendation Regulations on Comparisons of Measurement Standards of COOMET National Metrology Institutes and Designated Institutes	COOMET R/GM/11:2021	Project 828/RU/21

№	Recommendation title	Registration number	Remarks
10.	Recommendation Rules of Maintaining of the COOMET Programme of Comparisons	COOMET R/GM/12:2021	Project 828/RU/21
11.	Recommendation Rules and Procedure for the evaluation of the quality management systems of National metrology institutes/Designated institutes Annex A Recommendations on giving an oral presentation at the COOMET Quality Forum of the quality management systems of National metrology institutes/Designated institutes (NMI/DI QMS) Annex B Recommendations on preparing a written presentation at the COOMET Quality Forum of the quality management systems of National metrology institutes/ Designated institutes (NMI/DI QMS) Annex 1 Application for a peer review of the NMI/DI quality management system (form) Annex 2 Schedule of the realization of peer reviews in the COOMET NMIs/DIs (form) Annex 3 Recommendations for on-site visits by peers and selection criteria for on-site visit peer reviewers (document CIPM 2007-25) Annex 4 Plan for a peer review of the NMI/DI quality management systems Annex 5 Nonconformance protocols (forms) Annex 6 Reports of a technical expert and auditor for peer review of the QMS NMI/DI (forms) Annex 7 General report on the peer review of the NMI/DI QMS (form) Annex 8 Action plan to remove nonconformities (form) Annex 9 COOMET Confirmation of Recognition of QMS (form) Annex 10 Annual report on the NMI/DI QMS (form) Annex 11 Recommendations for the preparation of an annual report on the NMI/DI QMS Annex 12 Monitoring of annual reports of COOMET NMIs/DIs	COOMET R/AQ/13:2019	Project 230/SK/01
12.	Recommendation Guidelines for Data Evaluation of COOMET Key Comparisons	COOMET R/GM/14:2016	Project 336/RU/05
13.	Recommendation Rules of Completion of the Form of Calibration Certificates issued by National Metrology Institutes and Designated Institutes within the scope of the CIPM MRA	COOMET R/GM/15:2020	Project 795/UA/19
14.	Recommendation Recommendation for Acceptance of Certified Reference Materials into Appendix C of the CIPM MRA	COOMET R/RM/16:2007	Project 290/RU-a/03
15.	Recommendation Guidelines for Issuing Certificate of Participant of COOMET CRM Interlaboratory Certification	COOMET R/RM/17:2011	Project 349/BY-a/05 496/BY-a/10
16.	Recommendation Procedure of the International Competition "The Best Young Metrologist of COOMET"	COOMET R/GM/18:2020	Project 335/UA/05
17.	Recommendation Guideline on COOMET supplementary comparison evaluation	COOMET R/GM/19:2016	Project 302/RU/04
18.	Recommendation State system for ensuring the uniformity of measurements. Scales of Measurements. Terms and Definitions	COOMET R/GM/20:2009	Project 287/RU/03
19	Recommendation Use of concepts "error of measurement" and "uncertainty of measurement". General principles materials	COOMET R/GM/21:2011	Project 347/RU/05
20.	Recommendation Form and Content of COOMET Certificate for Reference Materials for Composition and Properties of Substances and Materials	COOMET R/RM/22:2020	Project 697/RU/16
21	Recommendation "PROCEDURE of organization and publishing the data about calibration and measuring services of COOMET national metrological institute on COOMET web resources"	COOMET R/GM/23:2014	Project 404/RU/07

No	Recommendation title	Registration number	Remarks
22	Recommendation "Educational programs and practical training programs of experts of National Metrological Institutes cooperating in COOMET"	COOMET R/IT/24:2014	Project 541/RU-a/11 391/RU-a/07
23	Recommendation "Procedure for recognizing technical devices as measuring instruments"	COOMET R/LM/25:2015	Project 523/BY/11
24	Recommendation "GENERAL REQUIREMENTS FOR THE COMPETENCE OF VERIFICATION LABORATORIES"	COOMET R/LM/26:2015	Project 491/UA/10
25	Recommendation "Procedure for preparing certificates of training, study visits and up-skilling within the framework of COOMET"	COOMET R/IT/27:2015	Project 597/BY/13
26	Recommendation "Standard program for testing the software of measuring instruments"	COOMET R/LM/28:2016	Project 425/BY/08
27	Recommendation "The Content and Procedure of Work on Reference Material Comparison within COOMET"	COOMET R/RM/29:2016	Project 498/RU/10
28	Recommendation "Procedure for completing the Form of COOMET database for COOMET reference materials"	COOMET R/RM/30:2016	Project 543/AM/11
29	Recommendation "Calibration techniques. General requirements"	COOMET R/GM/31:2016	Project 422/RU-a/08
30	Recommendation "Calibration of measuring instruments. Algorithms of processing measurement results and uncertainty evaluation"	COOMET R/GM/32:2017	Project 420/RU-a/08
31	Recommendation "Calibration of platinum resistance thermometers by comparison method"	COOMET R/T/33:2018	Project 633/KG/14
32	Recommendation Temporary Rules and Procedure for Peer Reviews of Quality Management Systems of National Metrology Institutes/Designated Institutes (QMS of NMIs/DIs) During the COVID-19 Pandemic	COOMET R/AQ/34:2021	

COOMET Programs

No	Program title	Registration number	Remarks
1	COOMET PROGRAM COOMET Development Programme for 2020-2022	COOMET P1/2020	
2	COOMET PROGRAM COOMET Program of comparisons	COOMET P2/2022	Updated annually
3	COOMET PROGRAM Work program of TC 2 "Legal Metrology" for 2021-2023	COOMET P3/2021	Elaborated by TC 2
4	COOMET PROGRAM Work Program of TC 4 "Information and Training" for 2021-2023	COOMET P4/2021	Elaborated by TC 4
5	COOMET PROGRAM Programme of joint CRM development within COOMET	COOMET P5/2020	Project 186/RU/99
6	COOMET PROGRAM COOMET Roadmap for the Implementation of Decisions Related to the Redefinition of the Basic Units of the International System of Units (SI) for 2020-2025	COOMET P6/2021	Elaborated by JCMS

COOMET Informational materials

№	Informational material title	Registration number	Remarks
1	Normative Documents Regulating the Questions of RM Production and Use, Analytical Overview (based on information provided by COOMET contact persons for RM)	COOMET I/RM/1:2001	Project 185/RU/99
2	Register of Certified Reference Materials of Composition and Properties of Substances and Materials Developed within COOMET	COOMET I/RM/2:2021	TC 1.12 Secretariat is maintaining and updating the Register
3	Survey of Technical Requirements in the Field of Legal Metrology in COOMET Member Countries	COOMET I/LM/3:2003	Project 204/DE-a/00
4	Analysis of the Problem of Introduction of the Guide to the Expression of Uncertainty in Measurement in COOMET Member Countries	COOMET I/GM/4:2005	Project 279/RU-a/03
5	Analysis of Cooperation Projects within APLMF and Preparation of Proposals for Cooperation of COOMET with this RMO in the Field of Legal Metrology	COOMET I/LM/5:2005	Project 307/RU-a/04
6	Review National Educational Systems in the Field of Metrology in COOMET Member Countries	COOMET I/TR/6:2005	Project 270/BY-a/03
7	Methodology for uncertainty evaluation of measurement results obtained by data processing software	COOMET I/IT/7:2016	Project 399/RU-a/07
8	Overview on the progress with prepackages control in COOMET member countries	COOMET ILM/8:2019	Project 602/BY/13
9	Metrological supervision performed by metrological services of legal entities. General principles	COOMET ILM/9:2019	Project 667/RU/15
10	Organization of the Sphere of State Regulation in the Field of Legal Metrology in COOMET Member Countries	COOMET I/LM/10:2021	Project 629/RU-a/13
11	On Remote Calibration of Standards of COOMET NMIs	COOMET I/GM/11:2021	



COOMET COMMITTEE MEETINGS

No	Date	Country and City	Participants (representatives of national, international and regional organizations)
1	13–14 November, 1991	POLAND (Warsaw)	BG, CS, CU, DE, HU, PL, RO, SU
2	2–3 June, 1992	POLAND (Warsaw)	BG, CS, CU, DE, HU, PL, RO, RU, UA
3	17–19 March, 1993	GERMANY (Berlin)	BG, BY, DE, PL, RO, RU, SK, UA, LT, BIML, EURAMET
4	19–20 April, 1994	SLOVAKIA (Bratislava)	BG, BY, DE, PL, RO, RU, SK, UA, LT, BIML
5	4–5 April, 1995	SLOVAKIA (Bratislava)	BG, BY, DE, PL, RO, RU, SK, UA, HU, CZ, BIPM, EURAMET, BIML
6	10–12 April, 1996	BULGARIA (Sofia)	BG, BY, DE, LT, PL, RO, RU, SK, UA, BIPM, BIML, EURAMET, WELMEC
7	23–25 April, 1997	GERMANY (Braunschweig)	BY, BG, DE, LT, PL, RO, RU, SK, UA, MD, EE; BIML, EURAMET, WELMEC
8	12–13 May, 1998	BELARUS (Minsk)	BY, BG, DE, LT, MD, PL, RU, SK, UA BIPM, STC
9	12–13 May, 1999	RUSSIA (Moscow)	BY, BG, DE, KZ, LT, MD, PL, RU, SK, UA
10	25–26 May, 2000	KAZAKHSTAN (Almaty)	BY, DE, KZ, KG, CU, MD, PL, RU, SK, UA, YU, UZ
11	25–26 April, 2001	MOLDOVA (Chisinau)	BY, DE, KZ, KG, LT, CU, MD, RU, RO, SK, UA
12	6–7 May, 2002	CUBA (Havana)	BY, DE, LT, CU, RU, RO, SK, UA; BIML
13	29–30 April, 2003	UKRAINE (Yalta)	BY, BG, DE, KP, LT, CU, MD, RU, SK, UA
14	27–28 May, 2004	BULGARIA (Albena)	BY, BG, DE, KZ, KP, LT, CU, MD, RU, UZ, UA; BIML
15	8–9 September, 2005	LITHUANIA (Vilnius)	BY, BG, DE, LT, MD, RU, SK, UZ, UA
16	4–5 September, 2006	GERMANY (Braunschweig)	BY, BG, CZ, DE, GE, KG, KZ, LT, MD, RU, SK, UA, UZ; CIPM, OIML, BIML, APMP, EURAMET
17	24–25 April, 2007	BELARUS (Minsk)	AM, AZ, BY, BG, DE, GE, KG, KZ, LT, RU, SK, UA, UZ; BIPM, BIML, EURAMET, WELMEC, APMP, EASC
18	15–16 May, 2008	UKRAINE (Kharkov)	AM, AZ, BY, CU, DE, RU, SK, UA, UZ; BIML, EURAMET
19	20–21 May, 2009	AZERBAIJAN (Baku)	AZ, BY, BG, CU, DE, GE, KG, LT, MD, RU, SK, UA, UZ; BIML, EURAMET, NCSLI, WELMEC
20	21–22 April, 2010	KAZAKHSTAN (Astana)	AZ, AM, BY, KG, KZ, LT, RU, SK, TJ, UA, UZ; APMP
21	27–28 April, 2011	ARMENIA (Yerevan)	AM, BY, CU, DE, GE, KG, KZ, LT, MD, RU, RO, SK, UA, UZ; CIML, BIML, BIPM, WELMEC
22	18–19 April, 2012	KYRGYZSTAN (Cholpon-Ata)	AZ, AM, BY, DE, GE, KZ, KG, LV, RU, SK, TJ, UZ, UA, BIML, BIPM, EURAMET, APMP
23	5–6 July, 2013	RUSSIA (Nizhny Novgorod)	AZ, AM, BA, BY, DE, HR, KG, KZ, LT, MK, RU, SK, TJ, UZ, UA BIML, BIPM
24	16–17 April, 2014	RUSSIA (Ekaterinburg)	AZ, AM, BY, DE, KG, KZ, RU, SK, TJ, TR, UZ, UA, BIML, BIPM
25	27-28 May, 2015	TAJIKISTAN (Khujand)	AZ, AM, BY, DE, GE, KZ, KG, MD, RU, TJ, TR, UZ, UA, CN, USA, BIML, BIPM
26	20-21 April, 2016	ARMENIA (Erevan)	AM, BY, CN, CU, DE, KG, GE, KZ, RU, SK, TJ, UZ, UA, BIML, BIPM
27	27-28 April, 2017	BELARUS (Minsk)	AZ, AM, BY, BA, CN, CU, DE, GE, KZ, KG, LT, MD, RU, SK, TJ, UZ, UA, OIML, BIPM, EEC

No	Date	Country and City	Participants (representatives of national, international and regional organizations)
28	11-12 April 2018	BOSNIA and HERZEGOVINA (Sarajevo)	AZ, AM, BY, BA, CN, CU, DE, GE, KZ, KG, LT, MD, RU, SK, TR, UZ, UA, OIML, BIPM, APMP, EURAMET
29	3-4 April 2019	GERMANY (Dresden)	AM, BY, BA, CN, CU, DE, GE, KZ, KG, LT, MD, RU, SK, TJ, UZ, UA, TM OIML, BIPM, APMP, EURAMET, WELMEC
30	24 September 2020	ONLINE	AZ, AM, BY, BA, CN, DE, GE, KZ, KG, LT, MD, RU, SK, TJ, TR, UZ, UA
31	15-17 June 2021	ONLINE	AZ, AM, BY, BA, BG, CN, DE, GE, KZ, KG, LT, MD, RU, SK, TJ, TR, UZ, UA OIML, BIPM, APMP, APLMF, EURAMET, WELMEC, SIM, NCSL International, EASC
32	26 October 2021	ONLINE (extraordinary)	AZ, AM, BY, CN, DE, GE, KZ, KG, LT, MD, RU, SK, TJ, TR, UZ, UA

Country codes:

AM – Armenia	CZ – Czech Republic	LT – Lithuania	TM - Turkmenistan
AZ – Azerbaijan	DE – Germany	MD – Moldova	UA – Ukraine
BA – Bosnia and Herzegovina	EE – Estonia	PL – Poland	US - USA
BG – Bulgaria	GE – Georgia	RO – Romania	UZ – Uzbekistan
BY – Belarus	HU – Hungary	RU – Russia	YU – Yugoslavia
CN – China	KG – Kyrgyzstan	SK – Slovakia	
CU – Cuba	KP – DPR of Korea	TJ – Tajikistan	
CS – Czechoslovakia	MKZ – Kazakhstan	TR - Turkey	

Acronyms for the names of National Bodies for Metrology, NMIs and DIs of COOMET member countries

AzMI	Azerbaijan	Legal entity of public law "Azerbaijan Institute of Metrology"
BAM	Germany	Bundesanstalt für Materialforschung und –prüfung
BelGIM	Belarus	Belarussian State Institute of Metrology
BelGISS	Belarus	Belarussian State Institute of Standardization and Certification
BIM	Bulgaria	Bulgarian Institute of Metrology
CENTIS	Cuba	Center of Isotopes
CJSC "NBSM"	Armenia	Closed Joint Stock Company "National Body for Standardization and Metrology"
CPHR	Cuba	Center for Radiation Protection and Hygiene
CTRM	Kazakhstan	Committee of Technical Regulation and Metrology of the Ministry of Trade and Integration of the Republic of Kazakhstan
DAkKS	Germany	Deutsche Akkreditierungsstelle GmbH
DAM	Germany	Office of Consortium on Metrology and Verification at German Academy of Metrology
DKD	Germany	(former) Deutscher Kalibrierdienst
DP NDI "Systema"	Ukraine	State Enterprise "Scientific-Research Institute for Metrology of Measurement and Control Systems"
FTMC	Lithuania	State Research Institute Center for Physical Sciences and Technology
GD MMI	Bulgaria	General Directorate "Measures and Measuring Instruments"
GD MS	Bulgaria	General Directorate "Metrological Supervision"
GD NCM	Bulgaria	General Directorate "National Centre of Metrology"
GDMSIP	Turkey	The General Directorate for Metrology and Safety of Industrial Products Standardization
GEOSTM	Georgia	Georgian National Agency for Standards and Metrology
Gosstandart of Belarus	Belarus	State Committee for Standardization of the Republic of Belarus
IMBIH	Bosnia and Herzegovina	Institute of Metrology of Bosnia and Herzegovina
INIMET	Cuba	National Research Institute on Metrology
INM-MD	Moldova	National Institute of Metrology
KTU MI	Lithuania	Metrology Institute at Kaunas Technology University
KYRGYZSTANDART	Kyrgyzstan	Center for Standardization and Metrology under the Ministry of Economy and Commerce of the Kyrgyz Republic
LA	Lithuania	National Accreditation Bureau
LEI	Lithuania	Lithuanian Energy Institute
MECKR	Kyrgyzstan	Ministry of Economy and Commerce of the Kyrgyz Republic
MEN	Germany	Verification Authority of Lower Saxony
NC	Cuba	Cuban National Bureau of Standards
NIM	China	National Institute of Metrology
NSC "IM"	Ukraine	National Scientific Centre "Institute of Metrology"
PTB	Germany	Physikalisch-Technische Bundesanstalt
Rosstandart	Russia	Federal Agency on Technical Regulation and Metrology of the Russian Federation

RSE "KazStandard"	Kazakhstan	Republic State Enterprise "Kazakhstan Institute of Standardization and Metrology"
SAMR	China	State Administration for Market Regulation
SAMTS	Bulgaria	State Agency for Metrological and Technical Surveillance
SE " IVANO-FRANKIVSKSTANDART METROLOGY "	Ukraine	STATE ENTERPRISE "IVANO-FRANKIVSK SCIENTIFIC AND PRODUCTION CENTER FOR STANDARDIZATION, METROLOGY AND CERTIFICATION" (SE "IVANO-FRANKIVSKSTANDARTMETROLOGY")
SE "Ukrmetrteststandart"	Ukraine	State Enterprise "All-Ukrainian State Research and Production Centre of Standardization, Metrology, Certification and Consumer Protection"
SLM	Slovakia	Slovak Legal Metrology
SMI	Slovakia	Slovak Metrology Inspectorate
SMU	Slovakia	Slovak Institute of Metrology
SNAS	Slovakia	Slovak National Accreditation Service
Tajikstandard	Tajikistan	Agency on Standardization, Metrology, Certification and Trade Inspection under the Government of the Republic of Tajikistan
TSU	Slovakia	Technical Testing Institute
TÜBİTAK UME	Turkey	Ulusal Metroloji Enstitüsü (National Metrology Institute)
UBA	Germany	Umweltbundesamt
UNIIM - branch of VNIIM	Russia	Urals Scientific Research Institute of Metrology
UNMS	Slovakia	Slovak Office of Standards, Metrology and Testing
UzNIM	Uzbekistan	Uzbek National Institute of Metrology
VNIIFTRI	Russia	All-Russian Scientific Research Institute of Physico-Technical Measurements
VNIIM	Russia	All-Russian Scientific Research Institute of Metrology named after D.I. Mendeleev
VNIIMS	Russia	All-Russian Scientific Research Institute of Metrological Service
VNIIOFI	Russia	All-Russian Scientific Research Institute of Optical and Physical Measurements
VNIIR-branch of VNIIM	Russia	All-Russian Scientific Research Institute of Flow Metering

Acronyms for the names of international and regional metrology organizations

AFRIMETS	Intra-African Metrology System
APLAC	Asia Pacific Laboratory Accreditation Cooperation
APLMF	Asia Pacific Legal Metrology Forum
APMP	Asia Pacific Metrology Programme
BIML	International Bureau of Legal Metrology
BIPM	International Bureau of Weights and Measures
CODATA	Committee on Data for Science and Technology
EA	European Cooperation for Accreditation
EASC	Euro-Asian Council for Standardization, Metrology and Certification
EURAMET	European Association of National Metrology Institutes
EUROCAL	European Cooperation of accredited calibration laboratories
GULFMET	GULF Association for Metrology
IEC	International Electrotechnical Commission
ILAC	International Laboratory Accreditation Cooperation
ISO	International Organisation for Standardization
JCRB	Joint Committee of Regional Metrology Organisations and BIPM
NCSLI	National Conference of Standards Laboratories International
OIML	International Organisation of Legal Metrology
SIM	Inter-American Metrology System
STCMetr	Scientific & Technical Commission on Metrology of Euro-Asian Council for Standardization, Metrology and Certification
WELMEC	European Cooperation in Legal Metrology