

INFORMATION ON COOMET ACTIVITIES in 2013–2014 for the 8th EURAMET GA

GENERAL INFORMATION

The COOMET activities were performed in all main fields of cooperation:

- MEASUREMENT STANDARDS OF PHYSICAL UNITS
- LEGAL METROLOGY
- QUALITY MANAGEMENT SYSTEMS
- INFORMATION AND TRAINING
- JOINT RESEARCH IN METROLOGY.

COOMET MEMBERS

COOMET has the following 20 countries as its members: Azerbaijan, Armenia, Belarus, Bosnia and Herzegovina, Bulgaria, Germany, Georgia, Kazakhstan, DPR of Korea, Kyrgyzstan, Cuba, Lithuania, Moldova, Russia, Romania, Slovakia, Tajikistan, Turkey, Uzbekistan and Ukraine.

COOMET EVENTS

MEETINGS OF THE STRUCTURAL BODIES OF COOMET

The following meetings were held in 2013 - 2014:

- 23 meeting of **COOMET Committee** (5–6 June 2013, Nizhny Novgorod, Russia);
- 24 meeting of **COOMET Committee** (16–17 April 2014, Yekaterinburg, Russia);
- 18 meeting of **COOMET President's Council** (19–20 November 2013, Bratislava, Slovakia);
- 11 meeting of **the Joint Committee for Measurement Standards** (4 June 2013, Nizhny Novgorod, Russia);
- 12 meeting of **the Joint Committee for Measurement Standards** (15 April 2014, Yekaterinburg, Russia).

Meetings of the **Technical Committees** of COOMET during this period:

- **TC 1.2** “Acoustics, Ultrasound, Vibration” (10–11 September 2013, Bratislava, Slovakia);
- **TC 1.4** “Flow Measurement” (9–13 September 2013, Kazan, Russia);
- **TC 1.5** “Length and Angle” (15–16 May 2013, Braunschweig, Germany);
- **TC 1.6** “Mass and Related Quantities” (16–17 October 2013, Chisinau, Moldova);
- **TC 1.7** “Photometry and Radiometry” (13–14 May 2014, Moscow, Russia);
- **TC 1.8** “Physical Chemistry” (23–24 May 2014, Saint-Petersburg, Russia);
- **TC 1.9** “Ionizing Radiation and Radioactivity” (28–29 April 2014, Tashkent, Uzbekistan);
- **TC 1.10** “Thermometry and Thermal Physics” (12–13 November 2013, Baku, Azerbaijan);
- **TC 1.11** “Time and Frequency” (10–11 October 2013, Mendeleev, Russia);
- **TC 1.12** “Reference Materials” (9–11 September 2013, Yekaterinburg, Russia)
- **TC 2** “Legal Metrology” (17–19 September 2013, Chisinau, Moldova);
- **QF and TC 3.1** “Technical Committee of Quality Forum” (11–12 February 2014, Minsk, Belarus);
- **TC 4** “Information and training” meeting (22–23 October 2013, Baku, Azerbaijan).

In 2013–2014 COOMET representatives participated in the meetings of the following metrology organizations promoting COOMET activities:

- 7 General Assembly of EURAMET (27–31 May 2013, Reykjavik, Iceland);
- meeting of Board of Directors and Conference of NCSLI (13–14 July 2013, Nashville, USA);
- 31 meeting of JCRB (18–19 September 2013, Beijing, China);
- 48 meeting of CIML (8–10 October 2013, Ho Chi Minh, Vietnam);
- 44 meeting of Euro-Asian Council for Standardization, Metrology and Certification (12–15 November 2013, Minsk, Belarus);

- 16 International Metrological Congress (7–10 October 2013, Paris, France);
- 32 meeting of JCRB (26–27 March 2014, Paris, France).

CONFERENCES AND WORKSHOPS UNDER THE AEGIS OF COOMET

1. V International Competition “Best Young Metrologist of COOMET 2013” (11–13 June 2013, Braunschweig, Germany).
2. 1st International scientific conference “Reference materials in measurement and technology” (10–14 September 2013, Yekaterinburg, Russia).
3. Workshop “Inspection and market surveillance (as regards metrology)” (18–19 September 2013, Chisinau, Moldova).
4. Workshop for technical administrators of COOMET web-portal (3–4 December 2013, Braunschweig, Germany).
5. Joint Seminar of COOMET/BIPM “Efficient Management of Comparisons and CMC Review Processes in COOMET” (15 April 2014, Yekaterinburg, Russia).

INFORMATION ON COOMET ACTIVITIES

IMPLEMENTATION OF COOMET PROJECTS

There are **641 projects** as of 25 May 2014.

34 new projects were proposed:

- 4 for “Mass and Related Quantities”,
- 3 for “Physical Chemistry”,
- 3 for “Length and Angle”,
- 1 for “Electricity and Magnetism”,
- 4 for “Reference Materials”,
- 3 for “Legal Metrology”,
- 2 for “Acoustics, Ultrasound, Vibration”,
- 1 for “Flow Measurement”,
- 3 for “Photometry and Radiometry”,
- 2 for “Ionizing Radiation and Radioactivity”,
- 2 for “Thermometry and Thermal Physics”,
- 1 for “Time and Frequency”,
- 1 for “Information and Training”.

During the reporting period **17 projects** were proposed by Russia, **11** by Ukraine, **2** by Kyrgyzstan, Belarus, Georgia, Germany and Uzbekistan proposed **1** project each.

35 proposed projects are related with regional comparisons of measurement standards of physical units. **3 projects** are aimed at the organization of meetings of the Structural Bodies as well as events within COOMET. **5 projects** are aimed at the development of COOMET documents.

IMPLEMENTATION OF THE CIPM MRA

2177 CMC lines declared by NMIs of COOMET member countries were published in the KCDB as of 5 May 2014.

Country	Total	AUV	L	TF	T	PR	M	EM	RI	QM
Belarus	196	8	13	31	37	3	3	39	51	11
Georgia	9				9					
Kazakhstan	23		6	4	5		8			
Cuba	96				8		12		76	
Moldova	40				40					
Russia	1606	72	20	36	137	108	63	325	329	516
Ukraine	207	23	25	30	35		5	53	15	21

The participation of COOMET in the implementation of the CIPM MRA sets the following tasks for its participants:

- planning and organization of regional key and additional comparisons of standards;
- holding of regional and inter-regional reviews of data on calibration and measurement capabilities (CMCs) of NMIs of COOMET member countries and other RMOs submitted to BIPM for approval and publication at its website;
- carrying out the review of Quality Management Systems (QMS) of NMIs of COOMET member countries that are the participants of the CIPM MRA.

There is an essential methodical base of cooperation created in COOMET which is constantly updated and enlarged.

The QMS of **GEOSTM (Georgia)** was recognized 11 February 2014. It received the Certificate valid for 5 years.

The QMS of **AzStandart (Azerbaijan)** was presented; the preliminary peer review is planned for autumn 2014 together with presentations of the following QMSs: **VNIIMS, VNIIOFI, VNIIFTRI, VNIIM (Russia)** and **KazInMetr (Kazakhstan)**. Peer reviews will be conducted not earlier than 2015 (Russian institutes in spring and KazInMetr in September).

COOMET PUBLICATIONS

The following publications updated were registered in 2013 – 2014:

- COOMET D7/2013 “Regulation on giving the distinguished title of "Honorary metrologist of COOMET”;
- COOMET D6/2013 “Procedure for maintaining COOMET WEB-site. General provisions”;
- COOMET D10/2013 “COOMET Web-Portal. General Provisions. Procedure for Maintaining and Submitting Information” (*New Document*);
- COOMET R/GM/18:2013 “Procedure of the International Competition “The Best Young Metrologist of COOMET”;
- COOMET R/RM/22:2013 “Contents and form of COOMET Certificate for reference materials” (*New Document*);
- COOMET R/AQ/9:2013 “Recommendation on the Evaluation of the Quality Management System of National Metrology Institutes”;
- COOMET D4/2014 “COOMET Publications. Classification, Development, Approval and Registration. General Provisions”;
- COOMET R/GM/23:2014 “Procedure of organization and publishing the data about calibration and measuring services of COOMET national metrological institute on COOMET web resources” (*New Document*);
- COOMET R/IT/24:2014 “Educational programs and practical training programs of experts of National Metrological Institutes cooperating in COOMET” (*New Document*);
- COOMET R/GM/7:2014 “Procedure of inner inter-regional reviewing of measurement and calibration capabilities of COOMET national metrological institutes and interregional reviewing of the institutes of other regional metrological organizations”;
- COOMET R/GM/12:2014 “Rules of maintaining of foregoing COOMET Program of comparisons”.

COOMET WEB RESOURCES

The COOMET website (www.coomet.org) is maintained by the experts of VNIIFTRI.

The COOMET web-portal (www.coomet.net) is maintained by COOMET Secretariat and on-line editors of the pages of COOMET member countries and Technical Committees of COOMET.

The COOMET Project Database, information on COOMET Committee members, Chairpersons of structural bodies, COOMET publications are updated continuously.

COOMET COMMITTEE MEETING

On 16–17 of April 2014 the 24th meeting of COOMET Committee took place in Yekaterinburg, Russia. Representatives of 11 COOMET Member Countries (Armenia, Azerbaijan, Belarus, Germany, Kazakhstan, Kyrgyzstan, Russia, Slovakia, Tajikistan, Uzbekistan and Ukraine) participated in the meeting.

During the meeting Turkey signed the COOMET Memorandum of Understanding and became an Associated member.

A. Gonda (General Director of the SMU, Slovakia) was approved as the COOMET Vice-president, responsible for activities in the sphere of quality management systems.

Prof. V. Krutikov was re-elected for the next term as the COOMET President.

New chairpersons of COOMET TCs were approved during the meeting:

- Quality Forum A. Odin, PTB, Germany;
- TC 3.1 “Quality Forum Technical Committee” N. Muravskaya, VNIIOFI, Russia.

List of COOMET Chairpersons is given below.

Name of a structural body	Chairperson
Measurement Standards Joint Committee	A. Chunovkina VNIIM, Russia
TC 1.1 “General questions concerning measurements (General metrology)”	A. Chunovkina VNIIM, Russia
TC 1.2 “Acoustics, ultrasound, vibration”	V. Pozdeeva, BelGIM, Belarus
TC 1.3 “Electricity and magnetism”	T. Kolomiets, BelGIM, Belarus
TC 1.4 “Flow measurement”	<i>nominee to be specified</i>
TC 1.5 “Length and angle”	V. Kupko, NSC “IM”, Ukraine
TC 1.6 “Mass and related quantities”	I. Kolozinskaya, NSC “IM”, Ukraine
TC 1.7 “Photometry and radiometry”	B. Khlevnoy, VNIIOFI, Russia
TC 1.8 “Physical chemistry”	L. Konopelko, VNIIM, Russia
TC 1.9 “Ionizing radiation and radioactivity”	V. Yarina, VNIIFTRI, Russia
TC 1.10 “Thermometry and thermal physics”	A. Pokhodun, VNIIM, Russia
TC 1.11 “Time and frequency”	V. Palchikov, VNIIFTRI, Russia
TC 1.12 “Reference materials”	S. Medvedevskikh, VNIIM, Russia
TC 2 “Legal Metrology ”	P. Ulbig, PTB, Germany
Quality Forum (QF)	A. Odin, PTB, Germany
TC 3.1 “Quality Forum Technical Committee”	N. Muravskaya, VNIIOFI, Russia
TC 4 “Information and Training”	P. Neyezhnikov, NSC “IM”, Ukraine
TC 5 “Joint scientific research in the field of metrology”	K.-D. Sommer, PTB, Germany

NEXT COOMET MEETINGS AND EVENTS

The 25th COOMET Committee meeting will take place in spring 2015 in Tajikistan.

The 19th meeting of COOMET President’s Council is planned in November 2014 in Germany.