

## **ANNUAL REPORT of TC 2 "Legal Metrology" (for year 2021)**

### **1. GENERAL FEATURES OF COOPERATION IN THIS SUBJECT FIELD**

TC 2 includes representatives of 17 COOMET member countries: Azerbaijan, Armenia, Belarus, Bulgaria, Bosnia and Herzegovina, China, Germany, Georgia, Kazakhstan, Kyrgyzstan, Cuba, Moldova, Russia, Slovakia, Tajikistan, Uzbekistan and Ukraine.

COOMET TC 2 coordinates works among the COOMET member countries in legal metrology, which are performed at the regional and international levels and are of common interest in this field.

By the decision of the 31<sup>st</sup> COOMET Committee meeting (15 to 17 June 2021) three subcommittees and the WG for Measuring Systems were excluded from TC 2, meanwhile the initiative was adopted to organize interaction within TC 2 in a number of areas of activities in the field of LM with simultaneous appointment of coordinators of these fields (terms of office – 2021 to 2026), namely:

- "Measuring devices in legal metrology" (coordinator – M. Shabanov, BelGIM, Belarus);
- "Measuring systems in legal metrology" (coordinator – being specified);
- "Medical equipment with measuring functions" (coordinator – N. Raymjonov, UzNIM, Uzbekistan);
- "Conformity assessment of measuring instruments" (coordinator – I. Pototskiy, SE "Ukrmetr-teststandart", Ukraine);
- "Digitalization in legal metrology" (coordinator – P. Ulbig, MEN, Germany).

The following decisions were made in terms of organizational structure at the TC 2 meeting (27-28.09.2021):

- 1) To consider it appropriate to organize interaction within TC 2 in an additional area of activities in the field of LM "General principles of metrological control and supervision" with the simultaneous appointment of R. Genkina (VNIIMS, Russia) as a coordinator of this field for the term of office: 2022 to 2027.

*Comment: the proposal was endorsed by the COOMET Presidential Council.*

- 2) To take note of the information on the impossibility of fulfilling the duties by the previously appointed coordinator of field 2.2 "Measuring systems in legal metrology", who represented the SE NDI "Systema" (Ukraine). To request the TC 2 Secretariat to propose to the SE NDI "Systema", Ukraine, to nominate a new candidate for the coordinator of field 2.2 from the specialists of the institute.

*Comment: In view of the death of the field coordinator and the current force-majeure events, the issue of appointing a representative of another country as the field coordinator will be considered at the TC 2 meeting in 2022.*

- 3) To consider it appropriate to discuss the activities of TC 2 in all fields of cooperation at the next meeting of TC 2 in 2022. To request TC 2 members to send to the TC 2 Secretariat information about the experts of their countries who are ready to participate in discussing cooperation issues in the fields of TC 2 activities.

*Comment: gathering of the information about the experts continues.*

**COOMET webinar "The role of measurement uncertainty in conformity assessment decisions in legal metrology"** was held online on **6 April 2021**, at which more than 120 representatives of NMIs/DIs of COOMET member countries (Azerbaijan, Armenia, Belarus, Bosnia and Herzegovina, Germany, Kazakhstan, Kyrgyzstan, Lithuania, Moldova, Russia, Slovakia, Tajikistan, Turkey, Ukraine, Uzbekistan) took part.

Dr. Peter Ulbig, Head of the Verification Authority of Lower Saxony (MEN) (Germany) performed as the speaker at the webinar, and Dr. Yuriy Kuzmenko, Chair of TC 2, performed as the moderator.

Under the webinar program the requirements of the OIML Guide G19:2017 "The role of measurement uncertainty in conformity assessment decisions in legal metrology" were reviewed in detail, and an overview of some fee-based and free software for calculating the uncertainty of measurements was provided.

The topic of the webinar evoked a lively response among its participants, as confirmed by the questions asked and the feedback received.

## **2. RESULTS OF TC 2 MEETINGS**

On 7-8 April 2021 the **21st meeting of TC 2** was held online, at which representatives from 15 COOMET member countries (Azerbaijan, Armenia, Belarus, Bosnia and Herzegovina, Germany, Kazakhstan, Kyrgyzstan, Cuba, China, Moldova, Russia, Slovakia, Tajikistan, Uzbekistan and Ukraine) took part, as well as the Heads of WELMEC and APLMF.

### The main resolutions of TC 2:

1) To request the TC 2 members from Armenia, Bulgaria, Georgia, Russia, Romania to send the texts of the legal acts on metrology (in Russian and/or in English – when available) to the TC 2 Secretariat for further provision of links on the COOMET information resources.

*Comment: information about the laws of Georgia and Russia has been published.*

2) To approve the draft COOMET Plan for the translation of OIML publications into Russian and to reflect its events in the TC 2 Work Program for 2021-2023. To consider it appropriate to consider the progress in carrying out works under the Plan at the annual TC 2 meetings and to update it.

*Comment: the events of the Plan have been reflected in the TC 2 Work Program.*

3) To consider it appropriate to prepare COOMET recommendations on the issues related to OIML publications, provided that COOMET Recommendations will give guidance on the application of OIML requirements for COOMET member countries and/or specific examples, clarifying those requirements. To request TC 2 members to send to the TC 2 Secretariat (1) proposals as to for what OIML publications COOMET Recommendations should be prepared, and (2) information concerning the possibility for representatives of their countries to act as development coordinators.

4) To continue the discussion of COOMET activities within the OIML-CS taking into account the proposals of the interested countries at the TC 2 meeting in 2022.

*Comment: COOMET project 827/RU/21 "Translation of the UNIDO-OIML brochure "Certification of measuring instruments" (coordinator – A. Kuzin, VNIIMS, Russia) has currently been opened – see more details in section 3 of the Report. Further discussion of participation of COOMET member countries within the OIML-CS (taking into account the detailed consideration of pros and cons of the OIML-CS for their countries and review of the UNIDO-OIML Brochure) is expected to take place within field 2.4.*

5) To draw up a List of adopted rules, guides, recommendations in legal metrology of other RLMOs, which are of interest to COOMET member countries, and then to post it on the COOMET information resources and to give the corresponding links to the websites of the RLMOs.

*Comment: COOMET project 844/UA/21 on the preparation of the List (coordinator – Y.Kuzmenko, Ukrmetrteststandart, Ukraine) has currently been started - see more details in section 3 of the Report.*

6) To note the importance of organization and holding of online/e-learning within COOMET for specialists of COOMET member countries, as well as holding of webinars on the relevant issues of legal metrology. To draw attention of TC 2 members to the possibility of taking part in the training modules (in the form of e-learning) organized under the auspices of OIML and RLMOs. To request TC 2 members to prepare information about the topics of online training courses (in the form of e-learning), which are of interest to specialists of their countries (for further discussion and assessment of the possibility of their organization within COOMET jointly with TC 4 "Information and Training").

*Comment: discussion of the issue continued at the 22nd TC 2 meeting – see the decisions below.*

7) To take note of the information, presented by P.Ulbig (Germany), about the proposed concept of works on digitalization in legal metrology and to continue its discussion at the 22nd TC 2 meeting (September 2021). To discuss approaches to solving problems related to digitalization in legal metrology in the form of brainstorming ahead of the 22nd TC 2 meeting (September 2021).

*Comment: the discussion took place (see the decisions of the 22<sup>nd</sup> TC 2 meeting below).*

8) To request the TC 2 Secretariat to prepare an updated version of document COOMET D5.12/2014 "Regulation on TC 2" in view of document COOMET D5/2020 and resolutions in terms of changing the organizational structure of TC 2; to review the draft at the 22<sup>nd</sup> TC 2 meeting (September 2021).

*Comment: updated document COOMET D5.12 "Regulation on TC 2" (version 2021) was approved at the 28<sup>th</sup> COOMET Presidential Council meeting and requires approval by the COOMET Committee.*

**The 22nd meeting of TC 2** was held online on 27-28 September 2021. Representatives of 11 COOMET member countries took part in the meeting, namely from Azerbaijan, Armenia, Belarus, Germany, Kyrgyzstan, China, Russia, Slovakia, Tajikistan, Uzbekistan and Ukraine.

#### The main resolutions of TC 2:

##### **A. Digitalization in legal metrology**

1) To take note of the information on the results of the meetings of the Working Group on the development of a concept for the application of digital technologies in the field of metrology (COOMET project 825/BY/21<sup>1</sup>) and to note the importance and appropriateness of further interaction and information exchange between TC 2 and the Working Group.

2) To take note of the participants' information on the current level of digitalization of processes and results of metrological work in COOMET member countries. The TC 2 Secretariat should organize collection of the information on the national resources available in COOMET member countries aimed at digitalization of processes and results of metrological activities. To inform TC 2 members about the results in due course.

*Comment: gathering of the information continues.*

3) To note that the following fields should be considered as the most important issues of digitalization in the field of legal metrology within COOMET:

- Digital data exchange;
- Repository of documents based on the results of metrological work (certificates, etc.);
- Methods for remote metrological work (verification, calibration, conformity assessment, etc.);
- Digital databanks, work with big data.

The TC 2 Secretariat should conduct an additional survey among TC 2 members about the most important, in their opinion, objects of digitalization of processes and services in the above fields.

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<sup>1</sup> Currently project 825/RU-a/21, coordinator – A.Pankov, VNIIMS, Russia

After the survey, TC 2 proposals should be sent to the Working Group for COOMET project 825/BY/21.

*Comment: gathering of the information continues (to date proposals from Azerbaijan, Belarus and Moldova have been received).*

4) To note the importance of training events on digitalization in the field of legal metrology within COOMET and continuous exchange of information on this issue among the participants of cooperation.

5) To request the Chair of TC 2 Y. Kuzmenko to send to the Joint Committee for Measurement Standards a proposal on the advisability of considering the issue of linking CMCs published in the KCDB to the basis for comparison (specific national standard, certified RM, reference method) and subsequent discussion of this issue within the WG for COOMET project 825/BY/21 subject to the agreement of the JCMS with this proposal.

*Comment: the issue was discussed within TC 1.1 "General Metrology"; consultations with JCMS will continue.*

## **B. Discussion of the format and topics of cooperation in the areas of activities within TC 2**

### B.1 field 2.1 "Measuring devices in Legal Metrology":

6) To take into account the proposals of the coordinator M. Shabanov (BelGIM, Belarus) on the concept of cooperation in the framework of field 2.1. To request TC 2 members to send proposals on possible cooperation projects in this field to the coordinator of field 2.1 or to the TC 2 Secretariat.

*Comment: discussion of possible cooperation projects will continue at the TC 2 meeting in 2022.*

### B.2 field 2.3 "Medical equipment with measuring functions":

7) To take note of the proposals of the coordinator N. Raymjonov (UzNIM, Uzbekistan) on the concept of cooperation in the framework of field 2.3. To request TC 2 members to send proposals on possible cooperation projects in this field to the coordinator of field 2.3 or to the TC 2 Secretariat.

*Comment: discussion of possible cooperation projects will continue at the TC 2 meeting in 2022.*

8) To note the importance and appropriateness of further interaction and information exchange between the coordinator of field 2.3 and the Working Group for COOMET project 797/BY/19 Review of approaches to the metrological support of medical measuring instruments (project coordinator - M. Shabanov (BelGIM, Belarus). To recommend to the coordinator of field 2.3 and TC 2 members to take into account the Work Program of the Working Group on ensuring the uniformity of measurements in the health sector (NTCMetr WG-MH) of the Interstate Council for Standardization, Metrology, Certification.

9) To note the importance and global nature of the problem of metrological support of medical measuring instruments and interest of TC 2 members in this field.

### B.3 field 2.4 "Conformity assessment of measuring instruments":

10) To take into account the proposals of the coordinator I. Pototskiy (SE "Ukrmetrteststandart", Ukraine) on the concept of cooperation in the framework of field 2.4. To request TC 2 members to send proposals on possible cooperation projects in this field to the coordinator of field 2.4 or to the TC 2 Secretariat.

*Comment: discussion of possible cooperation projects will continue at the TC 2 meeting in 2022.*

11) To recommend to the coordinator of field 2.4 to conduct a survey among TC 2 members on the existing in COOMET member countries conformity assessment systems for measuring instruments/systems of state testing for measuring instruments for the subsequent comparative analysis of

the received information (taking into account a detailed consideration of the advantages and disadvantages of the corresponding system for a particular COOMET member country). To arrange the comparative analysis as a COOMET project.

*Comment: work will continue in 2022.*

12) To note the importance and appropriateness of further interaction and information exchange between the coordinator of field 2.4 and the Working Group for COOMET project 827/RU/21 on the translation of the UNIDO-OIML Brochure "Certification of measuring instruments" (project coordinator - A. Kuzin (VNIIMS, RF)).

13) To note the importance of unifying the requirements for the registration of test results and the composition of the report on the tests carried out by COOMET member countries. To note the appropriateness and prospects of participation of COOMET countries in the OIML-CS.

#### B.4 field 2.5 "Digitalization in legal metrology":

14) To take into account the proposals of the coordinator P. Ulbig (MEN, Germany) on the concept of cooperation within the framework of field 2.5.

To approve the proposal to hold a number of COOMET seminars on digitalization issues, namely on (1) digital certificates, (2) digital workflows, (3) information exchange on available resources and databases.

*Comment: discussion of the subject and timeframe of the seminars will continue.*

15) To recommend to TC 2 members to take part in the international digital calibration certificates (DCC) workshop, organized by PTB (Germany) in June 2022.

### **C. About the preparation of COOMET recommendations based on OIML publications**

16) To consider it appropriate in the future to develop COOMET recommendations on the application of the following OIML publications: G19, D10, D23, D30. To take note of the information presented by M. Shabanov (BelGIM, Belarus) about his readiness to act as a coordinator of the development of a COOMET recommendation on the application of the ILAC-G24/OIML D 10:2007 publication "Guidelines for the determination of calibration intervals of measuring instruments", after the completion of the work on project COOMET 845/KG/21.

17) To request TC 2 members to send to the TC 2 Secretariat: (1) proposals on what other OIML publications require the development of COOMET recommendations, as well as (2) information on the possibility for representatives of their countries to act as development coordinators (including G19, D23, D30).

*Comment: no proposals have been received; discussion will continue at the TC 2 meeting in 2022.*

### **D. Cooperation with RLMOs**

18) To take note of the information on obtaining consent from WELMEC on the possibility of preparing, on behalf of COOMET, translations into Russian of WELMEC publications, as well as posting them on the COOMET web resources.

19) To request the TC 2 Secretariat to send to the WELMEC Secretariat translation of document WELMEC 7.2 "Software Manual (Measuring Instruments Directive 2014/32/EU)" drawn up in accordance with WELMEC requirements, and then post the translation on the COOMET web resources

*Comment: the request was sent to the WELMEC Secretariat; if a positive response is received, the translation will be published on the COOMET webportal.*

20) To request the Chair of TC 2 to apply to the APLMF and SIM to agree on the possibility of preparing on behalf of COOMET translations into Russian of APLMF/SIM publications of interest to COOMET member countries, as well as their posting on the COOMET web resources.

*Comment: requests to APLMF and SIM will be sent in 2022.*

21) To approve the draft questionnaire for conducting a survey to assess the current situation on the application of RLMO documents in COOMET member countries and the advisability of their application in the future (taking into account the list of RLMO publications prepared under project 844/UA/21). The TC 2 Secretariat should conduct a survey among TC 2 members.

22) The TC 2 Secretariat should conduct an additional survey among TC 2 members as to translations of what publications of other RLMOs (TOP10) are most relevant for their countries. The results should be presented at the meeting of TC 2 in 2022.

*Comment: surveys are planned to be conducted in 2022.*

### **E. Discussion of possible topics of online training courses on LM issues of interest to specialists from COOMET member countries**

23) To request TC 2 members to send to the TC 2 Secretariat information on the topics of online training courses, format of training courses, as well as availability of training platforms in COOMET member countries. To request the TC 2 Secretariat to send the summarized information to the Secretariat of TC 4 "Information and Training".

*Comment: no proposals have been received from the countries; work will continue in 2022.*

## **3. STATUS OF COOMET PROJECTS**

The following COOMET projects were **completed** in 2021:

1) Project **629/RU-a/13** "Preparation of the information material on the organization of the sphere of state regulation in the field of legal metrology based on the study of the experience of different countries" (coordinator – VNIIMS, Russia): by the decision of the 31<sup>st</sup> COOMET Committee meeting an information material "Organization of the Sphere of State Regulation in the Field of Legal Metrology in COOMET Member Countries" (COOMET I/LM/10:2021) was approved.

See: [https://www.coomet.net/fileadmin/user\\_files/DOCUMENTS/PUBLICATIONS/Information\\_Materials/I\\_10/I-LM-10-2021-En.pdf](https://www.coomet.net/fileadmin/user_files/DOCUMENTS/PUBLICATIONS/Information_Materials/I_10/I-LM-10-2021-En.pdf)

2) Project **750/RU/18** "Translation of OIML B18 "Framework for the OIML Certification System (OIML-CS)" (coordinator – VNIIMS, Russia): the translation was published in FSIS "Arshin" (Russia).

3) Project **751/BY/18** "Translation of OIML G 1-106:2012 "Evaluation of measurement data - The role of measurement uncertainty in conformity assessment" (coordinator – BelGIM, Belarus): the translation was published in FSIS "Arshin" (Russia).

4) Project **740/UA-a/18** "Translation of WELMEC 7.2:2018 "Software Guide" (Measuring Instruments Directive 2014/32/EU)" (coordinator – Ukrmetrteststandart, Ukraine): the translation will be made available on the COOMET information resources (subject to the consent from WELMEC).

5) Projects **747/RU/18** "Translation of OIML R87:2016 "Quantity of product in prepackages"; **748/RU/18** "Translation of OIML R79:2015 "Labeling requirements for prepackaged products"; **749/RU/18** "Translation of OIML G21:2017 "Guidance for defining the requirements for a certification system for prepackages" (coordinator – VNIIMS, Russia): the translations were published in FSIS "Arshin" (Russia).

The following COOMET projects are currently **IN PROGRESS**:



Project, coordinator	Participants	Implementation
<b>716/BY-a/17</b> "Development of rules for setting up reverification and recalibration intervals for measuring instruments used in the field of legal metrology" (coordinator – M. Shabanov, Belarus)	Belarus, Armenia, Germany, Kyrgyzstan, Cuba, Moldova, Russia, Ukraine, other interested TC 2 members	A draft Recommendation was preliminary discussed. It is planned to prepare a new Annex in 2022 (questionnaires for the organizations using MIs, on the example of MI inventory) and refine Annex B. The discussion will continue within the WG for the project, information about the progress of work will be presented at the TC 2 meeting in 2022.
<b>797/BY/19</b> "Review of approaches to the metrological support of medical measuring instruments" (coordinator – M. Shabanov, Belarus)	Belarus, Kazakhstan, Russia, Turkey, Bosnia and Herzegovina, Germany, China, other interested TC2 members	A survey was conducted on the situation in the countries which confirmed their participation in the project. A draft COOMET information material is under preparation. Information about the progress of work will be presented at the TC 2 meeting in 2022.
<b>778/UA-a/19</b> "Development of a COOMET Recommendation "Metrological control of measuring systems. The main provisions" (coordinator – A. Krichevets, Ukraine)	Ukraine, Belarus, Bosnia and Herzegovina, Cuba, Russia, Slovakia, Uzbekistan, other interested TC2 members	A draft Recommendation was preliminary discussed. In view of the death of the project coordinator, it will be decided at the TC 2 meeting in 2022 on the possibility to continue work under the project (if a coordinator from another country is appointed)
<b>848/UA/21</b> Development of a COOMET recommendation "Procedure for establishing reverification intervals for measuring systems used in the field of legal metrology" (coordinator – A. Krichevets, Ukraine)	Ukraine, Belarus, other interested TC 2 members	In view of the death of the project coordinator, the project will be excluded from the COOMET Work Program in accordance with the established procedure
<b>Update of publications</b>		
<b>823/BY/21</b> Update of COOMET Recommendation R/LM/25:2015 "Procedure for recognizing technical devices as measuring instruments" (coordinator – M. Shabanov, Belarus)	Belarus, Uzbekistan, other interested TC 2 members	Work is in progress (example criteria to make decisions regarding some categories of technical devices are under preparation). Information about the progress of work will be presented at the TC 2 meeting in 2022.
<b>830/BY/21</b> Update of COOMET Recommendation R/LM/28:2016 "Template procedure for testing of software of measuring instruments" (coordinator – M. Shabanov, Belarus)	Belarus, Kazakhstan, Uzbekistan, other interested TC 2 members	Work is in progress. Information about the progress of work will be presented at the TC 2 meeting in 2022.
<b>831/UZ/21</b> Update of COOMET Recommendation R/LM/8:2002 "Layout, presentation, drawing up and contents of Measuring instrument type specification for national register of measuring instruments" (coordinator – N. Raimjonov, Uzbekistan)	Uzbekistan, Belarus, Kazakhstan, Moldova, other interested TC 2 members	Work is in progress. Information about the progress of work will be presented at the TC 2 meeting in 2022.
<b>841/BY/21</b> Update of COOMET Recommendation R/LM/26:2015 "General requirements for the competence of verification laboratories" (coordinator – M. Shabanov, Belarus)	Belarus, Kazakhstan, other interested TC 2 members	Work is in progress. Information about the progress of work will be presented at the TC 2 meeting in 2022
<b>Translations</b>		
<b>844/UA/21</b> Drawing up a List of adopted rules, guides, recommendations in the field of legal metrology of other RLMOs, which are of interest to COOMET member countries, and	Ukraine, Belarus, Kazakhstan, other interested TC 2 members	The list of RLMO publication with brief summary is available on the TC 2 page on the COOMET webportal for reference purposes. A survey will further be conducted to assess the current situation on the appli-

Project, coordinator	Participants	Implementation
agreement on the possibility of their application in COOMET member countries (coordinator – Y.Kuzmenko, Ukraine)		cation of OIML documents in COOMET member countries and appropriateness of their application in the future (see items 21 and 22 of Section 2). Information about the progress of work will be presented at the TC 2 meeting in 2022
<b>827/RU/21</b> Translation of the UNIDO-OIML Brochure "Certification of measuring instruments" (coordinator – A.Kuzin, Russia)	Russia, Belarus, Kazakhstan, Ukraine, other interested TC 2 members	A draft translation was sent to the members of TC 2 and WG for the project for agreement. The final version will be presented at the TC 2 meeting in 2022.
<b>834/RU/21</b> Translation of OIML D1:2020 "National metrology systems - Developing the institutional and legislative framework" (coordinator – Y.Androshchuk, Russia)	Russia, Belarus, other interested TC 2 members	Preparation of the translation is at the final stage - it will be sent to the members of TC 2 and WG for the project in the 3 <sup>rd</sup> quarter of 2022.
<b>845/KG/21</b> Translation of Document ILAC-G24/OIML D 10:2007 "Guidelines for the determination of calibration intervals of measuring instruments" (coordinator- M.Denisova, Kyrgyzstan)	Kyrgyzstan, Kazakhstan, other interested TC 2 members	A draft translation was sent to the members of TC 2 and WG for the project for agreement. The final version will be presented at the TC 2 meeting in 2022.
<b>835/RU/21</b> Translation of OIML D11:2013 "General requirements for measuring instruments - Environmental conditions" (coordinator – Y.Androshchuk, Russia)	Russia, Belarus, other interested TC 2 members	Preparation of the translation is at the final stage - it will be sent to the members of TC 2 and WG for the project in the 3 <sup>rd</sup> quarter of 2022.
<b>838/BY/21</b> Translation of Document OIML D 30:2020 "Guide for the application of ISO/IEC 17025 to the assessment of Testing Laboratories involved in legal metrology" (coordinator – M. Shabanov, Belarus)	Belarus, other interested TC 2 members	A draft translation was sent to the members of TC 2 and WG for the project for agreement. The final version will be presented at the TC 2 meeting in 2022.
<b>836/RU/21</b> Translation of OIML D31:2019 "General requirements for software controlled measuring instruments" (coordinator – Y.Androshchuk, Russia)	Russia, other interested TC 2 members	Preparation of the translation is at the final stage - it will be sent to the members of TC 2 and WG for the project in the 3 <sup>rd</sup> quarter of 2022.
<b>839/BY/21</b> Translation of Document OIML D 32:2018 "Guide for the application of ISO/IEC 17065 to assessment of certification bodies in legal metrology" (coordinator – M. Shabanov, Belarus)	Belarus, other interested TC 2 members	A draft translation was sent to the members of TC 2 and WG for the project for agreement. The final version will be presented at the TC 2 meeting in 2022.
<b>847/AZ/21</b> Translation of Document OIML D 33:2019 "Reference standard liquids (Newtonian viscosity standard for the calibration and verification of viscometers)" (coordinator – A.Gurbanov, Azerbaijan)	Azerbaijan, Belarus, other interested TC 2 members	Preparation of the translation is at the final stage - it will be sent to the members of TC 2 and WG for the project in the 3 <sup>rd</sup> quarter of 2022.
<b>832/UZ/21</b> Translation of Recommendation OIML R 75-3:2006 "Heat meters. Part 3: Test Report Format" (coordinator - N.Raimjonov, Uzbekistan)	Uzbekistan, Kazakhstan other interested TC 2 members	Preparation of the translation is at the final stage - it will be sent to the members of TC 2 and WG for the project in the 3 <sup>rd</sup> quarter of 2022.
<b>837/RU/21</b> Translation of OIML R125:1998 "Measuring systems for the mass of liquids in tanks"	Russia, other interested TC 2 members	Preparation of the translation is at the final stage - it will be sent to the members of TC 2 and WG for the project in the 3 <sup>rd</sup> quarter of 2022.



Project, coordinator	Participants	Implementation
(coordinator – Y.Androshchuk, Russia)		ter of 2022.
<b>842/UA/21</b> Translation of the OIML publication: OIML R 137-1/2:2012 "Gas meters. Part 1: Metrological and technical requirements. Part 2: Metrological controls and performance tests" and Amendment to OIML R 137-1/2 (2014) (coordinator - Y.Kuzmenko, Ukraine)	Ukraine, Belarus, other interested TC 2 members	In view of the current force-majeure events, the projects will be excluded from the COOMET Work Program in accordance with the established procedure
<b>843/UA/21</b> Translation of the OIML publication: OIML R 137-3:2014 "Gas meters. Part 3: Test report format" (coordinator - Y.Kuzmenko, Ukraine)	Ukraine, Belarus, other interested TC 2 members	
<b>840/BY/21</b> Translation of Guide OIML G 14:2011 "Density measurement" (coordinator – N.Liakhova, Belarus)	Belarus, other interested TC 2 members	Preparation of the translation is at the final stage - it will be sent to the members of TC 2 and WG for the project in the 3 <sup>rd</sup> quarter of 2022.

#### 4. ISSUES, RELATING TO INTERACTION WITH INTERNATIONAL AND REGIONAL ORGANIZATIONS IN THE FIELD OF LEGAL METROLOGY

At the online meeting of TC 2 (7-8 April 2021) involving APLMF President and WELMEC Chair proposals were discussed on developing cooperation.

The following resolutions were adopted:

1) To apply to the APLMF Executive Committee and WELMEC Executive Board for agreeing on the possibility to prepare on behalf of COOMET translations of the APLMF and WELMEC publications, which are of interest to COOMET member countries, into Russian and to post them on the COOMET information resources;

2) To note the appropriateness of exchanging information about the activities of COOMET TC 2 and APLMF/WELMEC on an ongoing basis;

3) To note the appropriateness of appointing permanent contact persons on behalf of COOMET and APLMF/WELMEC and their mutual participation in the annually held meetings

4) To note the interest of COOMET member countries in the access to training courses, held under the auspices of APLMF (especially in the form of e-learning);

5) To note the appropriateness and possibility of holding joint training events of COOMET and APLMF/WELMEC.

Yuriy Kuzmenko, TC 2 Chair, represented COOMET at the Round table of regional legal metrology organizations (30 September 2021 online); at the meeting he gave a presentation on the COOMET activities in legal metrology. Valery Hurevich, COOMET President, and Frank Lienesch, COOMET Vice-President, also took part in the meeting.

#### 5. DATE AND VENUE OF THE NEXT TC2 MEETING

It has been previously planned to hold the 23<sup>rd</sup> TC 2 meeting **in the period from 26 to 30 September 2022**. In view of the current force-majeure events, the decision on the possibility to hold the meeting online will be made in July-August 2022.

## 6. PROPOSALS TO RESOLUTIONS OF THE COOMET COMMITTEE

- To endorse the initiative of TC 2 on the organization of interaction within TC 2 on an additional field of activities in LM "General principles of metrological control and supervision".
- To approve updated document COOMET D5.12/2022 "Regulation on TC 2" (replacing COOMET D5.12/2014) – Annex 1.

Yuriy Kuzmenko  
Chair of TC 2