

MINUTES of the 22nd meeting of COOMET Technical Committee TC 2 "Legal Metrology"

22nd meeting of TC 2 „Legal Metrology“ was held on **27-28 September 2021** online. 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 – TC 2 members and their representatives, representative of TC 4 secretariat, as well as invited specialists.

LIST OF PARTICIPANTS

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OUTCOMES OF THE MEETING

The meeting was chaired by Mr. Yuriy Kuzmenko, Acting Chair of TC 2, SE “Ukrmetrteststandart”, Ukraine.

The following issues were considered according to the adopted AGENDA:

Item	Content	Speaker
1.	Digitalization in legal metrology	
1.1	About the results of the 1 st meeting of the Working Group on the development of the Concept for the application of digital technologies in metrology	<i>Peter Ulbig, Andrey Pankov</i>
1.2	Exchange of information on the current level of digitalization of processes and results of metrological work in the COOMET member countries	<i>Participants</i>
1.3	Discussion of approaches to solving the problems of digitalization in legal metrology in the format of "brainstorming"	<i>Yuriy Kuzmenko, Peter Ulbig, Andrey Pankov, Participants</i>
2.	About the results of the 31st online meeting of the KOOMET Committee in relation to the activities of TC2	<i>Yuriy Kuzmenko</i>
3.	Discussion of the format and topics of cooperation in the areas of activity within the framework of TC2 <i>(based on the decision of TC2-2021)</i>	
3.1	Proposals on the concept of work and possible topics for cooperation in the framework of the direction "Measuring devices in Legal Metrology" (coordinator – M. Shabanov, BelGIM, Belarus)	<i>Maksim Shabanov, Members of TC2</i>
3.2	Proposals for the concept of work and possible topics for cooperation in the framework of the direction "Measuring systems in legal metrology" (coordinator – A. Krichevets, SE NDI "Sistema", Ukraine)	<i>Yuriy Kuzmenko, Members of TC2</i>
3.3	Proposals for the concept of work and possible topics for cooperation in the framework of the direction "Medical equipment with measuring functions" (coordinator – N. Raymjonov, UzNIM, Uzbekistan)	<i>Nuriddin Raymjonov, Members of TC2</i>
3.4	Proposals for the concept of work and possible topics for cooperation in the framework of the direction "Conformity assessment of measuring instruments" (coordinator – I. Pototskiy, SE "Ukrmetr-teststandart", Ukraine)	<i>Ihor Pototskiy, Members of TC2</i>
3.5	Proposals for the concept of work and possible topics for cooperation in the framework of the direction "Digitalization in legal metrology" (coordinator – P. Ulbig, MEN, Germany), including discussion of the concept of the COOMET topic under the working title "Analysis of the impact of digitalization on state metrological supervision"	<i>Peter Ulbig, Members of TC2</i>
3.6	Discussion of the feasibility of identifying other areas within TC2	<i>Members of TC2</i>
3.7	About the feasibility of setting new COOMET projects within the framework of work in the areas of cooperation TC2: - Analysis of administrative and enforcement actions when violations of obligatory requirements in the field of ensuring the uniformity of measurement are detected; - Preparation of recommendations on the assessment of damages, being done to an enterprise or to a consumer when metrological requirements are not met;	<i>Ruth Genkina, Members of TC2</i>

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	- Analysis of the ways of limiting the scope of state regulation of ensuring the uniformity of measurements in COOMET member countries (based on the resolution of the 20th meeting of TC2-2020)	
4.	About updating the document COOMET D5.12/2014 "Regulations for TC2"	<i>Yuriy Kuzmenko, Nadezhda Lyakhova, Ihor Pototskyi</i>
5	About the preparation of COOMET Recommendations based on OIML publications (based on item 37 of the COOMET Development Program for 2020-2022 and the decision of TC2-2021)	
5.1	About the formation of the list of OIML publications in relation to which the development of COOMET Recommendations is required and the appointment of coordinators of their development	<i>Ihor Pototskyi, Members of TC2</i>
5.2	About refinement of the COOMET Document D4/2014 "COOMET Publications. Classification, development, approval and registration. General provisions" (in terms of setting special norms regarding the structure of the COOMET Recommendation, clarifying the requirements of OIML publications)	<i>Nadezhda Lyakhova,</i>
6	Cooperation with RLMOs	
6.1	About the preparation to the RLMO Roundtable	<i>Yuriy Kuzmenko</i>
6.2	About agreement on the possibility of preparing on behalf of COOMET, translations into Russian of publications of other RLMOs, as well as their placement on COOMET information resources	<i>Yuriy Kuzmenko</i>
6.3	About the progress of COOMET project 844/UA/21 "Preparation and publication of the List (with links) of the adopted rules, guidelines, recommendations in legal metrology of other RLMOs of interest for COOMET member countries" (coordinator – Y. Kuzmenko, Ukraine) (based on item 39 of the COOMET Development Program for 2020-2022)	<i>Yuriy Kuzmenko, Members of TC2</i>
6.4	Discussion of the draft questionnaire for conducting a survey to assess the current situation on the application of the RLMO documents in the COOMET member countries and the feasibility of their application in the future.	<i>Members of TC2</i>
7	Discussion of possible topics of online training courses (in the e-learning format) on LM issues of interest to specialists from COOMET member countries	<i>Yuriy Kuzmenko, Ihor Pototskyi, Members of TC2</i>
8	Other issues	<i>Participants</i>
9.	Venue and date of the next TC2 meeting	<i>Yuriy Kuzmenko, Members of TC2</i>

The working documents of the meeting are available on the COOMET web-portal www.coomet.net (TC 2 section)¹.

¹ TC 2 members should request COOMET Secretariat (coomet@belgim.by) for login and password to view restricted access pages.

**Based on the results of the meeting the following resolutions of the 22nd meeting of TC2
“Legal Metrology” were agreed:**

№	Resolutions
	1. Digitalization in legal metrology
1.	<p>1.1 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).</p> <p>1.2 To note the importance and expediency of further interaction and information exchange between TC 2 and the Working Group on COOMET project 825/BY/21.</p>
2.	<p>2.1 To take note of the participants' information on the current level of digitalization of processes and results of metrological work in the COOMET member countries.</p> <p>2.2 TC 2 Secretariat to organize, by 01.12.2021, the collection of information on the national resources available in the COOMET member countries aimed at digitalization of processes and results of metrological work.</p> <p>Inform TC 2 members about the results in a working order.</p>
3.	<p>3.1 To note that the following areas should be considered as the most important issues of digitalization in the field of legal metrology within COOMET:</p> <ul style="list-style-type: none"> • 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. <p>TC 2 Secretariat, by 15.12.2021, shall conduct an additional survey of TC 2 members about the most important, in their opinion, objects of digitalization of processes and services in the above areas. After the survey, send TC 2 proposals to the Working Group on COOMET project 825/BY/21.</p> <p>3.2 To note the importance of conducting training events on digitalization in the field of legal metrology within COOMET and the exchange of information on this issue between the participants of cooperation.</p> <p>3.3 To ask the Chairperson of TC 2 Yu. Kuzmenko send to the Joint Committee for Measurement Standards a proposal on the advisability of considering the issue of linking CMCs published in KCDB to the basis for comparison (specific national standard, certified CRM, reference method) and subsequent discussion of this issue within the framework of WG project COOMET 825/BY/21 subject to the agreement of the JCMS with this proposal.</p>
	2. About the results of the 31st online meeting of the KOOMET Committee in relation to the activities of TC 2
4.	<p>4.1 To take note of the information on the decisions taken at the 31st online meeting of the COOMET Committee with regard to the activities of TC 2.</p>
	3. Discussion of the format and topics of cooperation in the areas of activity within the framework of TC 2
5.	<p>5.1 To take into account the proposals of the coordinator M. Shabanov (BelGIM, Belarus) on the concept of cooperation in the framework of direction 2.1 "Measuring devices in Legal Metrology".</p> <p>5.2 To ask TC 2 members to send to the coordinator of direction 2.1 or to the TC 2 Secretariat proposals on possible cooperation projects in this direction.</p>

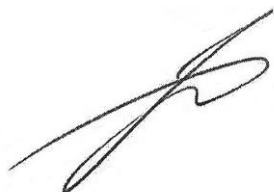
№	Resolutions
6.	<p>6.1 To take note of the information on the impossibility of fulfilling their duties by the previously appointed coordinator of direction 2.2 "Measuring systems in the field of legal metrology", who represented the SE NDI "Sistema" (Ukraine).</p> <p>6.2 To ask the TC 2 Secretariat to contact the SE NDI "Sistema", Ukraine, with a proposal to nominate a new candidate for the coordinator of direction 2.2 from among the specialists of the institute (deadline – by 01.12.2021).</p> <p>6.3 The Chairperson of TC 2, by 01.02.2022, organize an electronic voting on the candidacy of the coordinator of direction 2.2 among the TC 2 members in the working order and then submit the voting results for consideration by the COOMET Presidential Council (Spring 2022).</p>
7.	<p>7.1 To take into account the proposals of the coordinator N. Raymjonov (UzNIM, Uzbekistan) on the concept of work and possible topics of cooperation in the framework of direction 2.3 "Medical equipment with measuring functions".</p> <p>7.2 To note the importance and expediency of further interaction and information exchange between the coordinator of direction 2.3 and the Working Group on the COOMET project 797/BY/19 Review of approaches to the metrological support of medical measuring instruments (project coordinator - M. Shabanov (BelGIM, Belarus)).</p> <p>7.3 Recommend the coordinator of direction 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 (WG IZ NTKMetr) of the Interstate Council for Standardization, Metrology, Certification.</p> <p>7.4 To ask TC 2 members to send to the coordinator of direction 2.3 or to the TC 2 Secretariat proposals on possible cooperation projects in this area.</p> <p>7.5 To note the importance and globality of the problem of metrological support of medical measuring instruments and the interest of TC 2 members in this direction.</p>
8.	<p>8.1 To take into account the proposals of the coordinator I. Pototskiy (SE "Ukrmetrteststandart", Ukraine) on the concept of work and possible topics of cooperation in the framework of direction 2.4 "Conformity assessment of measuring instruments".</p> <p>8.2 To recommend the coordinator of direction 2.4 to conduct a survey of TC 2 members on the existing in the COOMET member countries of the conformity assessment systems of measuring instruments / systems of state testing of 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.</p> <p>8.3 To note the importance and expediency of further interaction and information exchange between the coordinator of direction 2.4 and the Working Group on the COOMET project 827/RU/21 on the translation of the UNIDO-OIML Brochure "Certification of measuring instruments" (project coordinator - A. Kuzin (VNIIMS, RF)).</p> <p>8.4 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 the COOMET member countries.</p> <p>8.5 To note the expediency and prospects of participation of COOMET countries in OIML-CS.</p>
9.	<p>9.1 To take into account the proposals of the coordinator P. Ulbig (MEN, Germany) on the concept of work and possible topics of cooperation in the framework of direction 2.5 "Digitalization in legal metrology".</p> <p>9.2 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 data bases.</p> <p>9.3 Recommend TC 2 members to take part in the international digital calibration certificates (DCC) workshop, organized by PTB (Germany) in June 2022.</p> <p>9.4 To consider it expedient of interaction of the coordinator of direction 2.5 and TC 2 members with the working group on COOMET project 825/BY/21 "Development of a COOMET concept for digitalization in metrology", as well as informing the members of the above working group about the planned seminars in the framework of direction 2.5.</p>

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10.	<p>10.1 To consider it expedient to organize interaction within the framework of TC 2 in an additional direction of the activity in the field of health care "General principles of metrological control and supervision" with the simultaneous appointment as a coordinator of this direction R.I. Genkina (VNIIMS, Russia) for the term: 2022-2027.</p> <p>10.2 To ask the Chairperson of TC 2 to submit this proposal to the COOMET Presidential Council.</p> <p>10.3 Subject to approval by the COOMET Presidential Council of the new direction of interaction "General principles of metrological control and supervision" within TC 2, ask the coordinator of the direction to submit at the 23rd meeting of TC 2 (September 2022) proposals on the concept of further work and topics of cooperation (including taking into account the proposals specified in 12.1).</p>
11.	<p>11.1 To consider it expedient to discuss the activities of TC 2 in all directions of cooperation at the next meeting of TC 2 in 2022.</p> <p>11.2 To ask TC 2 members to send to the TC 2 Secretariat information about the experts of their countries who are ready to participate in the discussing cooperation issues in the directions of TC 2 activities (deadline - 15.12.2021).</p>
12.	<p>12.1 To continue discussion of the expediency of setting new COOMET projects:</p> <ul style="list-style-type: none"> - Analysis of administrative and enforcement actions when violations of obligatory requirements in the field of ensuring the uniformity of measurement are detected; - Preparation of recommendations on the assessment of damages, being done to an enterprise or to a consumer when metrological requirements are not met; - Analysis of the ways of limiting the scope of state regulation of ensuring the uniformity of measurements in COOMET member countries, <p>at the next meeting of TC 2 (subject to a positive decision of the COOMET Presidential Council on the creation of a direction of cooperation "General principles of metrological control and supervision").</p>
	<p>4. About updating the document COOMET D5.12/2014 "Regulations for TC 2"</p>
13.	<p>13.1 Approve the draft updated document COOMET D5.12/2014 "Regulations for TC 2" (edition 2021)</p> <p>13.2 To ask the TC 2 Secretariat to add to the draft document COOMET D5.12 "Regulations for TC 2" changes in the structure of TC 2, taking into account clauses 10.1 - 10.3.</p> <p>13.3 To ask the Chairperson of TC 2 Yu. Kuzmenko to submit a revised version of the document for approval at the 28th meeting of the COOMET Presidential Council (24-25 November 2021) and subsequent approval at the 32nd meeting of the COOMET Committee (2022)</p>
	<p>5. About the preparation of COOMET Recommendations based on OIML publications</p>
14.	<p>14.1 To consider it expedient in the future to develop COOMET Recommendations on the application of the following OIML publications: G19, D10, D23, D30.</p> <p>14.2 To take note of the information of M. Shabanov (BelGIM, Belarus) about his readiness to act as a coordinator of the work on the development of the 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 the project COOMET 845/KG/21.</p> <p>14.3 To ask 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 of representatives of their countries to act as development coordinators (including G19, D23, D30) by 01.02.2022.</p> <p>14.4 Consider the issue of setting COOMET projects for the development of COOMET Recommendations at the next TC 2 meeting in 2022.</p>
15.	<p>15.1 To approve proposals for clarification of COOMET Document D4/2014 "COOMET Publications. Classification, development, approval and registration. General provisions" (in terms of setting special norms regarding the structure of the COOMET Recommendation, clarifying the</p>

№	Resolutions
	<p>requirements of OIML publications).</p> <p>15.2 To consider it expedient to post translations of documents of regional organizations on legal metrology (ROZM) on the COOMET web portal (section Activity / "Legal metrology") after obtaining the official consent of the ROZM.</p>
	<p>6. Cooperation with RLMOs</p>
16.	<p>To take into account and approve the information of the Chairperson of TC 2 Yu. Kuzmenko on the preparation for the RLMO Roundtable.</p>
17.	<p>17.1 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 COOMET web resources.</p> <p>17.2 To ask the TC 2 Secretariat to send to the WELMEC Secretariat, drawn up in accordance with WELMEC requirements, the translation of the document WELMEC 7.2 "Software Manual (Measuring Instruments Directive 2014/32/EU)" and then post the translation on COOMET web resources.</p> <p>17.3 To ask the Chairperson of TC 2 to apply to the APLMF Executive Committee to agree on the possibility of preparing, on behalf of COOMET, translations into Russian of APLMF publications of interest to COOMET member countries, as well as their posting on COOMET web resources.</p> <p>17.4 To ask the Chairperson of TC 2 to apply to the SIM Governing Council to agree on the possibility of preparing, on behalf of COOMET, translations into Russian of SIM publications of interest to COOMET member countries, as well as their posting on COOMET web resources.</p>
18.	<p>18.1 To take note of the information on the progress of the implementation of COOMET project 844/UA/21 "Preparation and publication of the List (with links) of the adopted rules, guidelines, recommendations in legal metrology of other RLMOs of interest for COOMET member countries" (coordinator – Yu. Kuzmenko, Ukraine).</p> <p>18.2 To ask the TC 2 Secretariat to place the list of RLMOs publications with brief annotations for each RLMO publication on the TC 2 page on the COOMET web portal as reference information by 01.02.2022.</p> <p>18.3 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 within the framework of project 844/UA/21). TC 2 Secretariat to conduct a survey of TC 2 members by 01.03.2022.</p> <p>18.4 TC 2 Secretariat, by 01.04.2022, conduct an additional survey of TC 2 members regarding which translations of publications of other RLMOs (TOP10) are most relevant for their countries. Results to be presented at the meeting of TC 2 in 2022.</p>
	<p>7. Discussion of possible topics of online training courses (in the e-learning format) on LM issues of interest to specialists from COOMET member countries</p>
19.	<p>19.1 To take note of the information received from TC 2 members on the topic of online training courses (in e-learning format).</p> <p>19.2 To ask TC 2 members to send to the TC 2 Secretariat by 15.12.2021 information on the topics of online training courses, the format of training courses, as well as the availability of training platforms in the COOMET member countries.</p> <p>19.3 To ask the TC 2 Secretariat to send the summarized information on clause 19.2 to the TC 4 "Information and Training" Secretariat by 01.02.2022.</p> <p>19.4 To ask the TC 2 Secretariat to provide information regarding the planned seminars in the directions of TC 2 to the TC 4 "Information and Training" Secretariat for inclusion in the COOMET Training Plan.</p> <p>19.5 To ask the Chairperson of TC 4 "Information and Training" to consider at the next meeting of TC 4 the issue of summarizing information on existing training platforms of the RLMO, with</p>

№	Resolutions
	subsequent posting on the COOMET web portal of a list of links to the existing training platforms of the RLMO.
	8. Other issues
20.	<p>20.1 To ask the TC 2 Secretariat to update the TC 2 Work Program in terms of dividing the ongoing and future COOMET projects by areas of activity within TC 2, by 15.02.2022, and submit it for approval at the meeting of the COOMET Presidential Council (spring 2022).</p> <p>20.2 To ask the TC 2 Secretariat, by 01.03.2022, to draw up a list of possible topics for seminars on legal metrology in 2022-2024 (including taking into account the decisions of the TC 2 meeting (April 7-8, 2021) and provide it to TC 2 members to determine the most relevant topics of the seminars in general and the topic of the seminar for 2022.</p>
	9. Venue and date of the next TC 2 meeting
21.	<p>21.1 Conduct the 23rd TC 2 meeting from 26 to 30 September 2022.</p> <p>21.2 Based on the results of the survey conducted in accordance with clause 20.2, determine the topic of the seminar for 2022 and hold it on the eve of the TC 2 meeting.</p> <p>21.3 To ask TC 2 members, by 15.04.2022, to send to the TC 2 Secretariat information about the possibility of holding the 23rd TC 2 meeting in their country.</p> <p>21.4 The decision on the format or venue of the meeting and seminar to make taking into account the situation with the Covid-19 pandemic (no later than 05.15.2022).</p>
22.	TC 2 Secretariat to ensure posting on the COOMET web portal (TC 2 section) of working materials and decisions of the 22nd TC2 meeting; deadline – 25.11.2021 .

Acting Chair of TC 2, Mr. Yuriy Kuzmenko, thanked the participants for their active work, TC 2 Secretariat for the preparation and holding of the online meeting.



Yuriy Kuzmenko
Acting Chair of TC 2



Ihor Pototskyi,
TC 2 Secretariat