



MINUTES

33rd online COOMET Committee meeting

25 to 27 October 2022

The COOMET Committee meeting was convened by the President Valery Hurevich and held online on 25 to 27 October 2022 (Working and Plenary Sessions).

LIST OF PARTICIPANTS

WORKING SESSION (25 October 2022)

Representatives of national metrological institutions of COOMET member countries		
Country	Name	Status in COOMET, NMI
AZERBAIJAN	1. Azer GURBANOV	COOMET Committee member , AzMI
ARMENIA	2. Kamo MOVSISYAN	COOMET Committee member , NBSM
BELARUS	3. Valery HUREVICH	COOMET President, COOMET Committee member , BelGIM
	4. Nadezhda LIAKHOVA	Head of COOMET Secretariat , BelGIM
	5. Olga SHEMAGONOVA	COOMET Secretariat, BelGIM
	6. Svetlana KAZAK	COOMET Secretariat, BelGIM
KAZAKHSTAN	7. Zhanat BEGAYDAROV	COOMET Vice-President, COOMET Committee member , KazStandard
	8. Aiman ILGUNDINOVA	National COOMET Secretariat in Kazakhstan, KazStandard
CHINA	9. Yuning DUAN	COOMET Committee member , NIM
CUBA	10. Fernando ARRUZA	Representative of COOMET Committee member , NC
	11. José ZALDÍVAR	National COOMET Secretariat in Cuba, INIMET
MOLDOVA	12. Konstantin BORDIANU	Representative of COOMET Committee member , INM
RUSSIA	13. Evgeny LAZARENKO	COOMET Vice-President, COOMET Committee member , Rosstandart
	14. Anna CHUNOVKINA	JCMS Chair, TC 1.1 Chair, VNIIM
	15. Sergey KOMISSAROV	National COOMET Secretariat in Russia, VNIIMS
SLOVAKIA	16. Maroš KAMENSKÝ	COOMET Committee member , SMU
TAJIKISTAN	17. Mansur SAFARZODA	COOMET Committee member , Tajikstandard Agency
	18. Jurakhon RAHIMZODA	Tajikstandard Agency
UZBEKISTAN	19. Lazizbek SAIDORIPOV	COOMET Committee member , UzNIM
	20. Marat YUNUSOV	COOMET National Secretariat in Uzbekistan, UzNIM

Representatives of the following COOMET member countries were not present at the meeting:

Country	
BULGARIA	<i>No reply to the invitation has been received</i>
BOSNIA AND HERZEGOVINA	<i>No reply to the invitation has been received</i>
GERMANY	<i>Notice of impossibility of participation has been received</i>
GEORGIA	<i>Preliminarily confirmed the participation, but did not join the conference</i>
KYRGYZSTAN	<i>Planned to participate, but were not able to join for technical reasons</i>
LITHUANIA	<i>No reply to the invitation has been received</i>
TURKEY	<i>Preliminarily confirmed the participation, but did not join the conference</i>
UKRAINE	<i>Notice of impossibility of participation has been received</i>

The requirements to a quorum at the Working Session were met (more than 50% of Committee members were present – 11 of 19).

PLENARY session (26 to 27 October 2022)

Representatives of national metrology institutions of COOMET member countries		
Country	Name	Status in COOMET, NMI
AZERBAIJAN	1. Azer GURBANOV	COOMET Committee member, AzMI
ARMENIA	2. Kamo MOVSISYAN	COOMET Committee member, NBSM
BELARUS	3. Valery HUREVICH	COOMET President, COOMET Committee member, BelGIM
	4. Aleksandr KAZACHOK	BelGIM, Director
	5. Nadezhda LIAKHOVA	Head of COOMET Secretariat, BelGIM
	6. Olga SHEMAGONOVA	COOMET Secretariat, BelGIM
	7. Svetlana KAZAK	COOMET Secretariat, BelGIM
	8. Marina YAMOLOVICH	TC 1.3 Chair, BelGIM
	9. Petr KRIVONOS	Acting Chair of TC 1.10, BelGIM
KAZAKHSTAN	10. Zhanat BEGAYDAROV	COOMET Vice-President, COOMET Committee member, KazStandard
	11. Aiman ILGUNDINOVA	National COOMET Secretariat in Kazakhstan, KazStandard
	12. Karlygash SATTYBAYEVA	KazStandard
CHINA	13. Yuning DUAN	COOMET Committee member, NIM
	14. Stella ZHU	COOMET National Secretariat in China, NIM
CUBA	15. Fernando ARRUZA	Representative of COOMET Committee member, NC
	16. José ZALDÍVAR	National COOMET Secretariat in Cuba, INIMET

Representatives of national metrology institutions of COOMET member countries		
Country	Name	Status in COOMET, NMI
KYRGYZSTAN	17. Almazbek BAYALIEV	COOMET Committee member, CSM under ME KR (KYRGYZSTANDART)
MOLDOVA	18. Konstantin BORDIANU	Representative of COOMET Committee member, INM
RUSSIA	19. Evgeny LAZARENKO	COOMET Vice-President, COOMET Committee member, Rosstandart
	20. Anna CHUNOVKINA	JCMS Chair, TC 1.1 Chair, VNIIM
	21. Nikita ZVIAGIN	JCMS Deputy Chair, VNIIM
	22. Sergey KOMISSAROV	COOMET National Secretariat in Russia, VNIIMS
	23. Aleksandr ISAEV	Acting Chair of TC 1.2, VNIIFTRI
	24. Roman KORNEEV	Acting Chair of TC 1.4, VNIIR- branch of VNIIM
	25. Konstantin CHEKIRDA	Elected Chair of TC 1.5, VNIIM
	26. Viktoriya BOGDANOVA	Acting Chair of TC 1.6, VNIIM
	27. Leonid KONOPELKO	TC 1.8 Chair, VNIIM
	28. Yuriy KUSTIKOV	Deputy Chair of TC 1.8, VNIIM
	29. Nikolay MOISEEV	TC 1.9 Chair, VNIIM
	30. Vitaliy PALCHIKOV	TC 1.11 Chair, VNIIFTRI
	31. Sergey MEDVEDEVSKIKH	TC 1.12 Chair, VNIIM
	32. Egor SOBINA	SC 1.8.3 Chair, VNIIM - Branch of VNIIM
33. Dina CHEPURNAYA	TC 3.1 member, VNIIFTRI	
SLOVAKIA	34. Maroš KAMENSKÝ	COOMET Committee member, SMU
TAJIKISTAN	35. Mansur SAFARZODA	COOMET Committee member, Tajikstandard Agency
	36. Jurakhon RAHIMZODA	Tajikstandard Agency
UZBEKISTAN	37. Lazizbek SAIDORIPOV	COOMET Committee member, UzNIM
	38. Marat YUNUSOV	COOMET National Secretariat in Uzbekistan, UzNIM

Representatives of the following COOMET member countries were not present at the Plenary session:

Country	
BULGARIA	<i>No reply to the invitation has been received</i>
BOSNIA AND HERZEGOVINA	<i>No reply to the invitation has been received</i>
GERMANY	<i>Notice of impossibility of participation has been received</i>
GEORGIA	<i>Preliminarily confirmed the participation, but did not join the conference</i>
LITHUANIA	<i>No reply to the invitation has been received</i>
TURKEY	<i>Preliminarily confirmed the participation, but did not join the conference</i>

Country	
UKRAINE	<i>Notice of impossibility of participation has been received</i>

The requirements to a quorum at the Plenary Session were met (more than 50% of Committee members were present – 12 of 19).

Representatives of international and regional organizations		
IMO / RMO	Name	Status
BIPM	39. Andy HENSON	Director, International Liaison and Communication Department at the BIPM
OIML/BIML	40. Ian DUNMILL	BIML Assistant Director
APMP	41. Takehiro MORIOKA	APMP Executive Committee Member
	42. Juan CAI	APMP Secretariat
AFRIMETS	43. Henry ROTICH	AFRIMETS President
EURAMET	44. Julien VUILLEMIN-TOLEDO OBSERVER	EURAMET Member Service manager
GULFMET	45. Amina AL BASTAKI	GULFMET President
	46. Omar S. KANAKRIEH	GULFMET Secretary
SIM	47. Claudia SANTO	SIM Executive Secretary
EASC	48. Vladimir CHERNYAK	EASC Executive Secretary

According to document COOMET D2/2021 "COOMET Rules of Procedure", subclause 4.8, decisions at a COOMET Committee meeting are made by consensus. 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.

Given the specifics of online meetings held using the Zoom platform, anonymous voting was conducted among COOMET Committee members or their official representatives using the "Polling" function on some issues of the agenda of the Working and Plenary Sessions.

The voting results were summed up in view of subclause 4.8 of document COOMET D2/2021 and are reflected in the Minutes.

OUTCOMES

of the COOMET Committee meeting

WORKING SESSION (25 October 2022)

COOMET President Valery Hurevich opened the WORKING Session and welcomed the Committee members, their official representatives and other meeting participants.

After the introduction of the participants, the COOMET Committee adopted the following **agenda of the WORKING session**:

№	Issues	Speaker
1.	About new COOMET Committee members	<i>V.Hurevich, COOMET President</i>
2.	Activities to improve the work of COOMET	
2.1.	About the amendments to document COOMET D1/2020 "COOMET Memorandum of Understanding" (in terms of establishing task groups and refining the preamble, objectives, tasks and fields of cooperation) <i>Based on Resolution PC-28-5 & Action PC-28-2; Resolution PC-30-3 & Actions PC-30-3&PC-30-4; Resolution PC-31-6 & Actions PC-31-7&PC-31-8</i>	<i>N.Liakhova, Head of COOMET Secretariat</i>
2.2.	About the update of document COOMET D4/2014 "COOMET publications. Classification, procedure for development, approval, registration and update" (revision with the title refined) <i>Based on Resolution PC-28-87 & Action PC-28-50</i>	
3.	About the activities of the Working Group for Preparation of the COOMET Development Strategy	<i>V.Hurevich, COOMET President</i>
4.	About possible options to enhance cooperation without changing the organizational and legal form of COOMET (in view of the results of the survey among COOMET Committee members) <i>Based on Resolution PC-29-6 & Action PC-29-2; Resolution PC-31-6</i>	<i>V.Hurevich, COOMET President</i>
5.	About the appropriateness of establishing a task group on the issues of making amendments to the fundamental COOMET documents and appointment of its Chair (in case of a positive decision)	<i>E.Lazarenko COOMET Vice-President</i>
6.	About the suspension of participation of Ukraine in COOMET structural bodies <i>Based on the letter from the Ministry of Economy of Ukraine (ref. 3413-12/68300-07 of 04.10.2022)</i>	<i>N.Liakhova, Head of COOMET Secretariat</i>
7.	About the COOMET structure	
7.1.	Adoption of the proposals of TC 1.7 "Photometry and Radiometry" on the establishment of subcommittees – SC 1.7.1 "Optical Properties of Materials"; – SC 1.7.2 "Fiber Optics". <i>Based on Resolution PC-28-33 & proposal of TC 1.7</i>	<i>N.Liakhova, Head of COOMET Secretariat; COOMET Committee members or their official representatives</i>
7.2.	Adoption of the proposals of TC 1.8 "Physical Chemistry" on the establishment of subcommittees – SC 1.8.7 "Particle Characterization"; – SC 1.8.8 "Isotope analysis". <i>Based on Resolution PC-28-34 & proposal of TC 1.8</i>	
7.3.	Adoption of the proposals of TC 1.8 "Physical Chemistry" on changing	

№	Issues	Speaker
	the names of the following subcommittees: SC 1.8.3 "Non-organic Analysis" (instead of "Pure non-organic substances"); SC 1.8.5 "Organic Analysis" (instead of "Organic and non-organic analysis"). <i>Based on Resolution PC-28-35 & proposal of TC 1.8</i>	
7.4.	Adoption of the decision to reactivate TC 5 "Innovative research in metrology" and to form the TC 5 membership <i>Based on Resolution PC-28-9 & Action PC-28-6</i>	
8.	About the terms of office of the Chairs of COOMET structural bodies and SCs. Establishment of COOMET bodies	
8.1.	About the extension of the terms of office of the Heads of CSBs: – TC 1.7 "Photometry and Radiometry" (Anatoli Bescupschi, INM-MD, Moldova); – TC 1.11 "Time and Frequency" (Vitaliy Palchikov, VNIIFTRI, Russia) – for 1 year (a new Chair should be elected by the end of year 2022)	
8.2.	About the appointment of new Heads of CSBs and SCs: – TC 1.4 "Flow Measurement" (Roman Korneev, VNIIR-branch of VNIIM, Russia); – TC 1.5 "Length and Angle" (Konstantin Chekirda, VNIIM, Russia); – TC 1.10 "Thermometry and Thermal Physics" (Petr Krivonos, BelGIM, Belarus); – TC 5 "Innovative Research in Metrology" (Evgeny Lazarenko, Rosstandart, Russia); – SC 1.7.1 "Optical Properties of Materials" (Gennadiy Vishnyakov, VNIIOFI, Russia); – SC 1.7.2 "Fiber Optics" (Aleksey Mityurev, VNIIOFI, Russia); – SC 1.8.7 "Particle Characterization" (Vladimir Dobrovolsky, VNIIFTRI, Russia); – SC 1.8.8 "Isotope Analysis" (Yan Chubchenko, VNIIM, Russia); – SC 1.8.1 "Electrochemistry" (Sergey Prokunin, VNIIFTRI, Russia); – SC 1.8.2 "Metals and Alloys" (Aleksandr Ivanov, VNIIOFI, Russia).	<i>N.Liakhova, Head of COOMET Secretariat; COOMET Committee members or their official representatives</i>
8.3.	Information about the changes in the membership of CSBs	
9.	About approval of new COOMET auditors on peer reviews of the QMS of COOMET NMIs/DIs <i>Based on Resolution PC-28-49 & Action PC-28-29</i>	
10.	About approval of a new membership of the COOMET Appeal Board on comparisons of the national measurement standards and CMC data peer review <i>Based on Resolution PC-31-10</i>	<i>Liakhova, Head of COOMET Secretariat; COOMET Committee members or their official representatives</i>
11.	Adoption of the resolutions on giving the distinguished title "Honorary Metrologist of COOMET" (awarding round of 2021) <i>Based on Resolution PC-28-51</i>	<i>V.Hurevich, COOMET President; COOMET Committee members or their official representatives</i>

RESULTS OF THE AGENDA ITEMS CONSIDERATION

1 ABOUT NEW COOMET COMMITTEE MEMBERS

COOMET President Valery Hurevich presented information to the meeting participants about the appointment of new COOMET Committee members from Azerbaijan, China, Kyrgyzstan, Moldova and Tajikistan in 2021-2022 and expressed his wishes for fruitful cooperation within COOMET.

2 ACTIVITIES TO IMPROVE THE WORK OF COOMET

2.1 About amendments to document COOMET D1/2020 "COOMET Memorandum of Understanding" (in terms of creating task groups and refining the preamble, objectives, tasks and fields of cooperation).

Head of COOMET Secretariat Nadezhda Liakhova presented a draft of the new version of document COOMET D1/2020 "COOMET Memorandum of Understanding" to the meeting participants.

The proposals on amendments to the Memorandum of Understanding were preliminarily discussed and adopted by the Presidential Council, then submitted to COOMET Committee members for review (with the proviso that a non-reply from a Committee member means preliminary approval of the proposed version).

The Secretariat only received a letter from the COOMET Committee member from Armenia with proposals on refining some wordings. A brief discussion took place and it was decided to maintain the initially proposed wordings.

The COOMET Committee approved the proposed version of document COOMET D1/2022 "COOMET Memorandum of Understanding" (COOMET-33-WS/01) by the majority of votes and requested the COOMET Secretariat to register and post the updated version on the COOMET web-resources.

Taking into account the new provision on establishing task groups within COOMET, the COOMET Committee endorsed the COOMET Presidential Council's decision to transform the Working Group for project 825/RU-a/21 into a COOMET Task Group on the issues of digital transformation in metrology (TG-DigTr) and to appoint Andrey Pankov (VNIIMS, Russia) its Chair.

2.2 About update of document COOMET D4/2014 "COOMET publications. Classification, procedure for development, approval, registration and update"

Nadezhda Liakhova presented a draft of the new version of document COOMET D4 "COOMET publications. Classification, procedure for development, approval, registration and update" (replacing COOMET D4/2014) to the meeting participants. The document was revised and its title refined; the new version was discussed both with CSB Chairs and with COOMET Committee members ahead of the meeting (with the proviso that a non-reply from a COOMET Committee member means preliminary approval of the proposed version)

The COOMET Committee approved the proposed version of document COOMET D4/2022 "COOMET publications. Classification, procedure for development, approval, registration and update" (replacing D4/2014) (COOMET-33-WS/02) by the majority of votes.

3 ABOUT THE ACTIVITIES OF THE WORKING GROUP FOR PREPARATION OF THE COOMET DEVELOPMENT STRATEGY

COOMET President, Head of the Working Group for Preparation of the COOMET Development Strategy (hereinafter referred to as WG for Strategy) Valery Hurevich reported that four online meetings of the WG for Strategy were held in 2021-2022. Its activities were focused on the implementation of actions provided for in the COOMET Development Program for 2020-2022. However, given that there is currently no consensus among WG member regarding the ways of implementation of task 1.2.3 "Making proposals on the organizational and legal form of COOMET, including financing mechanisms" and in view of the force majeure situation in the COOMET region that blocks decision making regarding the reformation of COOMET activities, COOMET President proposed suspension of activities of the WG for Strategy. Members of the WG for Strategy and COOMET Presidential Council supported the proposal.

Valery Hurevich also reported that since it was impossible to change the organizational and legal form of COOMET at the moment, it was suggested that members of the WG for Strategy should discuss in the future the possibility of adding a provision to document COOMET D1 "COOMET Memorandum of Understanding" on making annual payments (in the form of bilateral agreements for information service on COOMET activities) by all COOMET members (full and associated) to support holding of the "rotating" COOMET Secretariat in the amount decided by the COOMET Committee as an ALTERNATIVE to membership fees.

The COOMET Committee supported the proposals of Valery Hurevich, approved the decision on the suspension of activities of the WG for Strategy by the majority of votes, and requested the Presidential Council to continue elaboration of the issues of making the proposed amendments to COOMET D1.

4 ABOUT POSSIBLE OPTIONS TO ENHANCE COOPERATION WITHOUT CHANGING THE ORGANIZATIONAL AND LEGAL FORM OF COOMET (in view of the results of the survey among COOMET Committee members)

At the request of the COOMET President, Nadezhda Liakhova presented to the meeting participants the results of the survey conducted among COOMET Committee members in August-September 2022 to define their visions of possible options to enhance cooperation without changing the organizational and legal form of COOMET (Annex COOMET-33-WS/03).

12 of 19 countries took part in the survey (no replies were received from Bosnia and Herzegovina, Bulgaria, Germany, Georgia, Lithuania, Turkey and Ukraine).

Valery Hurevich informed COOMET Committee members about the recommendations of the COOMET Presidential Council adopted at the 31st Council's meeting (28 September 2022) in view of the results of the survey.

COOMET Committee endorsed by the majority of votes the proposal of the Presidential Council to establish a COOMET Task Group on CEEMS support (TG-CEEMS) and appoint the COOMET Vice-President Zhanat Begaydarov, KazStandard, Kazakhstan, its Chair. Preliminary results of TG-CEEMS activities should be submitted to the COOMET Committee meeting in 2023.

It was agreed to further discuss at the Presidential Council level the appropriateness of giving the status of an "international conference" to official COOMET events (meetings of the COOMET Committee, COOMET structural bodies (JCMS, TC, Quality Forum)), so that countries' participants could pay a registration fee to the account of the economic entity that acts as a host (reimbursement of the organizer's costs). COOMET Committee supported the proposals and requested the Presidential Council to continue elaboration of the issues of

making the corresponding amendments to COOMET D1. Proposals on that issue will be submitted at the COOMET Committee meeting in 2024.

5 ABOUT THE APPROPRIATENESS OF ESTABLISHING A TASK GROUP ON THE ISSUES OF MAKING AMENDMENTS TO THE FUNDAMENTAL COOMET DOCUMENTS AND APPOINTMENT OF ITS CHAIR (in case of a positive decision)

COOMET Vice-President Evgeny Lazarenko submitted a proposal that work should commence on making amendments to documents COOMET D2/2021 "COOMET Rules of Procedure" and COOMET D8/2006 "Criteria and Procedure of Admission for New COOMET Members", *inter alia* in terms of:

- changing the criteria of membership in COOMET, rights and obligations of full and associated members of COOMET;
- changing the procedure for admitting new members to COOMET;
- refining the procedure for the termination of membership or exclusion from the organization;
- funding of COOMET activities etc.

It was also noted that the proposal was earlier considered at the 31st COOMET Presidential Council meeting (28.09.2022), where no consensus was reached among Council members on the appropriateness of changing the above documents in terms of the proposed issues. Meanwhile, Presidential Council members supported the proposal to establish an ad-hoc task group.

The meeting participants exchanged their opinions and supported the establishment of the task group. It was noted, however, that the decision of the COOMET Committee to suspend the activities of the WG for Strategy would hardly allow to continue effective discussion of funding of COOMET activities in the near future.

In view of the Presidential Council's recommendations, the COOMET Committee endorsed by the majority of votes the establishment of a task group on the issues of making amendments to the fundamental COOMET documents (TG-Doc) and appointment of the COOMET Vice-President Evgeny Lazarenko (Russia) its Chair.

6 ABOUT THE SUSPENSION OF PARTICIPATION OF UKRAINE IN COOMET STRUCTURAL BODIES

Nadezhda Liakhova presented to the meeting participants the information, received from the Ministry of Economy of Ukraine, about the suspension of participation of Ukraine in COOMET structural bodies and about the intentions to acquire full membership in the EURAMET and to transfer the spheres of activities related to the CIPM MRA from COOMET to EURAMET.

A number of COOMET structural bodies (TC 1.2, TC 1.5, TC 1.6, TC 2, TC 4) and subcommittees within those CSBs (SC 1.6.1, SC 1.6.2, SC 4.1) have been headed to date by Ukrainian representatives.

Nadezhda Liakhova informed about the decision made by the Presidential Council on the appointment of the Acting Chairs of TC 1.2, TC 1.6, TC 2, TC 4 (according to 5.2.3.9, COOMET D5/2021 "Model Regulations for COOMET Structural Bodies"), who were requested to organize and hold the CSBs meetings and elections of new Chairs among CSB members.

COOMET Committee took note of the presented information (see meeting resolutions).

7 ABOUT THE COOMET STRUCTURE

7.1 About adoption of the proposals of TC 1.7 "Photometry and Radiometry" on the establishment of subcommittees

7.2 About adoption of the proposals of TC 1.8 "Physical Chemistry" on the establishment of subcommittees

7.3 About adoption of the proposals of TC 1.8 " Physical Chemistry" on changing the names SC 1.8.3 and SC 1.8.5.

Nadezhda Liakhova presented to the meeting participants the proposals on establishing subcommittees within TC 1.7 and TC 1.8, and on changing the names of SC 1.8.3 and SC 1.8.5 (see meeting resolutions).

COOMET Committee approved the proposals by the majority of votes.

7.4 About adoption of the decision to reactivate TC 5 "Innovative research in metrology" and to form the TC 5 membership

Nadezhda Liakhova informed the COOMET Committee about the Presidential Council's recommendations (28th meeting, 24-25.11.2021) to reactivate TC 5 "Innovative research in metrology" (with the TC title refined), and about preliminary work on forming the TC 5 membership. Each country proposed a member to TC 5 (with voting rights); TC members with the status of "official observers" (without voting rights) were also appointed from the management representatives of all NMIs of countries, if there were several of them.

Preparation and discussion of a draft concept of innovative COOMET research with TC 5 members is further planned, along with the assessment of possible funding sources and requirements of internal/external donors (in view of the requirements of items 59. (Ind-f.1.4) 60. (Ind-f.1.5) 61. (Ind-f.1.6) of the COOMET Development Program for 2022-2025).

8 ABOUT THE TERMS OF OFFICE OF THE CHAIRS OF COOMET STRUCTURAL BODIES AND SCS. ESTABLISHMENT OF COOMET BODIES

8.1 About the extension of the terms of office of the Heads of CSBs

Nadezhda Liakhova presented information about the proposal of TC 1.7 "Photometry and Radiometry" to extend the term of office of the current Chair Anatoli Bescupschi (INM-MD, Moldova).

Nadezhda Liakhova also reported about the decision made by the Presidential Council to extend the term of office of the Chair of TC 1.11 "Time and Frequency" Vitaliy Palchikov (VNIIFTRI, Russia) for 1 year (until June 2023) with mandatory election of a new TC 1.11 Chair till the end of year 2022.

Results of voting using the Zoom platform (9 votes cast):

Candidature - Name (NMI, country)	FOR	AGAINST	ABSTAIN
Anatoli Bescupschi (INM-MD, Moldova) extension of the term of office of the TC 1.7 Chair	9	-	-
Vitaliy Palchikov (VNIIFTRI, Russia) extension of the term of office of the TC 1.11 Chair	8	1	-

According to the results of the held voting, it was decided to extend the terms of office (see meeting resolutions).

8.2 About the appointment of new Heads of CSBs and SCs

Nadezhda Liakhova presented information about the results of elections of new Chairs of TC 1.4, TC 1.5 and TC 1.10, held among the members of the corresponding CSBs.

Nadezhda Liakhova reported that the COOMET Presidential Council suggested appointing the COOMET Vice-President responsible for the coordination of joint research, Evgeny Lazarenko (Rosstandart, Russia), the TC 5 Chair.

Nadezhda Liakhova also presented recommendations of TC 1.7 and TC 1.8 on the candidatures for the Chairs of SC 1.7.1, SC 1.7.2, SC 1.8.1, SC 1.8.2, SC 1.8.7 and SC 1.8.8, taking into account the decisions on refining the organizational structure of COOMET (see item 7 of the meeting).

Results of voting using the Zoom platform (9 votes cast):

Candidature - Name (NMI, country)	FOR	AGAINST	ABSTAIN
Roman Korneev (VNIIR-branch of VNIIM, Russia) appointment of TC 1.4 Chair	7	1	1
Konstantin Chekirda (VNIIM, Russia) appointment of TC 1.5 Chair	8	1	-
Petr Krivonos (BelGIM, Belarus) appointment of TC 1.10 Chair	8	1	-
Evgeny Lazarenko (Rosstandart, Russia) appointment of TC 5 Chair	8	1	-
Gennadiy Vishnyakov (VNIIOFI, Russia) appointment of SC 1.7.1 Chair	7	1	1
Aleksey Mityurev (VNIIOFI, Russia) appointment of SC 1.7.2 Chair	7	1	1
Vladimir Dobrovolsky (VNIIFTRI, Russia) appointment of SC 1.8.7 Chair	7	1	1
Yan Chubchenko (VNIIM, Russia) appointment of SC 1.8.8 Chair	7	1	1
Sergey Prokunin (VNIIFTRI, Russia) appointment of SC 1.8.1 Chair	8	1	-
Aleksandr Ivanov (VNIIOFI, Russia) appointment of SC 1.8.2 Chair	7	1	1

According to the results of the held voting, it was decided to appoint new Chairs of the abovementioned CSBs and SCs for 4 years (see meeting resolutions).

8.3 Information about the changes in the membership of CSBs

Nadezhda Liakhova presented information about the up-to-date memberships of CSBs (Annex COOMET-31-WS/04), compiled by the Secretariat based on the data submitted by COOMET Committee members.

9 ABOUT APPROVAL OF NEW COOMET AUDITORS ON PEER REVIEWS OF QMS OF COOMET NMIS/DIS

Nadezhda Liakhova informed COOMET Committee members about the proposal of the COOMET Quality Forum to appoint a new auditor on peer reviews of QMS of COOMET NMIs/DIs (Kseniya

Kashirina, VNIIOFI, Russia), and presented to the meeting participants the updated List of COOMET auditors on peer reviews of QMS of COOMET NMIs/DIs.

Results of voting using the Zoom platform (9 votes cast):

Candidature - Name (NMI, country)	FOR	AGAINST	ABSTAIN
Kseniya Kashirina (VNIIOFI, Russia) appointment of a new COOMET auditor	8	1	-

According to the results of the held voting, it was decided to appoint a new COOMET auditor (see meeting resolutions).

COOMET Committee approved the updated List of COOMET auditors (Annex COOMET-31-WS/05) by the majority of votes.

10 ABOUT THE APPROVAL OF A NEW MEMBERSHIP OF THE COOMET APPEAL BOARD ON COMPARISONS OF THE NATIONAL MEASUREMENT STANDARDS AND CMC DATA PEER REVIEW

Nadezhda Liakhova presented to the meeting participants the proposals of the Joint Committee for Measurement Standards and Presidential Council on the new membership of the COOMET Appeal Board on comparisons of national measurement standards and CMC data review (hereinafter referred to as AB).

Results of voting using the Zoom platform (9 votes cast):

Candidature - Name (NMI, country)	FOR	AGAINST	ABSTAIN
Zhanat Begaydarov (KazStandard, Kazakhstan) AB Chair	7	1	1
Nikita Zviagin (VNIIM, Russia) AB member	8	1	-
Член AC Manana Gelovani (GEOSTM, Georgia) AB member	9	-	-

According to the results of the held voting, it was decided to approve the new membership of the AB (see meeting resolutions).

11 ABOUT APPROVAL OF DECISIONS TO GIVE THE DISTINGUISHED TITLE "HONORARY METROLOGIST OF COOMET" (awarding round 2021)

Nadezhda Liakhova reported that at the 28th COOMET Presidential Council meeting (24 to 25 November 2021) voting took place on the candidatures for the distinguished title "Honorary Metrologist of COOMET". The results were positive for each of the 7 nominated candidates

COOMET Committee approved by the majority of votes the Presidential Council's decision to give the distinguished title "Honorary Metrologist of COOMET" to 7 specialists of COOMET member countries (Azerbaijan, Germany, Kazakhstan, Kyrgyzstan, Moldova, Russia, Ukraine) (see meeting resolutions).

Valery Hurevich expressed gratitude to the COOMET Vice-President Evgeny Lazarenko for organizing the manufacturing of a new batch of breastplates.

Given the format of this meeting, diplomas on giving the distinguished title will be sent by the Secretariat by email, and the breastplates will be sent by post.

THE AGREED RESOLUTIONS ARE ATTACHED TO THESE MINUTES.

PLENARY SESSION (26 to 27 October 2022)

The COOMET President Valery Hurevich opened the PLENARY session and welcomed the Committee members, their official representatives and other meeting participants. Valery Hurevich thanked the representatives of international and regional organizations for accepting the invitation to take part in the Committee meeting.

After the introduction of the participants, the COOMET Committee adopted the following **agenda of the Plenary Session**:

No	Issue	Speaker
1.	About the resolutions of the Working session (25 October 2022)	<i>N.Liakhova, Head of COOMET Secretariat</i>
2.	About implementation of the resolutions of the 31st and 32nd COOMET Committee meetings. Presentation of the Minutes	<i>N.Liakhova, Head of COOMET Secretariat</i>
3.	Report of COOMET President	<i>V.Hurevich, COOMET President</i>
4.	Annual report on the activities of COOMET	<i>N.Liakhova, Head of COOMET Secretariat</i>
5.	COOMET activities in the field of measurement standards, including the issues of the CIPM MRA implementation, in 2020-2021 (in terms of CMCs and comparisons)	
5.1.	About the results of the 44 th and 45 th JCRB meetings	<i>V.Hurevich, COOMET President</i>
5.2.	About the implementation and update of program COOMET P6/2021 "Roadmap for implementation of resolutions, related to the redefinition of the SI base units for 2020-2025" (<i>based on Resolution 31 of the 30th COOMET Committee meeting</i>)	<i>A.Chunovkina, Chair of JCMS</i>
5.3.	Annual report of the Chair of the Joint Committee for Measurement Standards (JCMS), including the information about: (1) the current state and challenges occurring in preparation, review and publication in the KCDB of CMC entries of NMIs/DIs of COOMET member countries; (2) the implementation of the COOMET Program of comparisons and challenges related to the conduct of comparisons of measurement standards of COOMET member countries, (3) a brief analysis of the TC 1.1 – TC 1.12 activities	<i>A.Chunovkina, Chair of JCMS</i>
5.4.	COOMET activities in the field of reference materials (RM) in 2021-2022 (1) Submission of RMs produced within COOMET for recognition as COOMET RMs; Making decisions on the registration of COOMET CRMs in the Register of COOMET CRMs (2) About the update of information material COOMET//RM/2:2022 "Register of Certified Reference Materials of Composition and Properties of Substances and Materials, Developed within COOMET" (exclusion of COOMET RM types); (3) About the implementation and update of program COOMET P5/2022 "Program of joint CRM development within COOMET" (in view of the resolutions of the 26 th and 27 th TC 1.12 meetings)	<i>A.Chunovkina, Chair of JCMS</i>

No	Issue	Speaker
6.	COOMET activities in the field of peer reviews of the QMS of COOMET NMIs/DIs in 2020-2021	
6.1.	Report on the activities of the Quality Forum and TC 3.1, including the information about : (1) the results of the peer reviews of the QMS of COOMET NMIs/DIs in 2021-2022 (2) the schedule of peer reviews for 2022-2023	<i>N.Liakhova, Head of COOMET Secretariat</i>
7.	Information about the activities of international metrology organizations:	<i>Official representatives:</i>
7.1.	<i>BIPM</i>	<i>Andy Henson, BIPM Department Director</i>
7.2.	<i>OIML/BIML</i>	<i>Ian Dunmill, BIML Assistant Director</i>
8.	COOMET activities in the field of legal metrology in 2020-2021	
8.1.	Report on the activities of TC2 "Legal Metrology", including information about the implementation of the Work Program of TC 2 for 2021-2023 (COOMET P3/2021)	<i>N.Liakhova, Head of COOMET Secretariat, Acting Chair of TC 2</i>
9.	COOMET activities in the field of information and training in 2020-2021	
9.1.	Report on the activities of TC4 "Information and Training", including information about the implementation of the Work Program of TC4 for 2021-2023 (COOMET P4/2021)	<i>N.Liakhova, Head of COOMET Secretariat, Acting Chair of TC 4</i>
10.	About the preparation for the X International Competition "Best Young Metrologist of COOMET - 2023"	<i>E.Lazarenko, COOMET Vice-President</i>
11.	About COOMET publications	
11.1.	Submission of the COOMET publications, prepared and updated in 2020-2021, for approval (in addition to items 2.1 and 2.2 of the Working session and items 5.2 and 5.4 of the Plenary session) <ul style="list-style-type: none"> – recommendation COOMET R/GM/ __:2022 "Expression of expanded measurement uncertainty (kurtosis method)" (new, project 796/UA/19); – information material COOMET I/TR/ __:2022 "Education & training systems for metrologists of COOMET member countries" (new, project 731/BY-a/17); – recommendation COOMET R/GM/18:2022 "Procedure of the International Competition "The Best Young Metrologist of COOMET" (replacing COOMET R/GM/18:2020); – document COOMET D5.1 "Regulation on the COOMET Joint Committee for Measurement Standards (JCMS)" (replacing COOMET D5.1/2018); – document COOMET D5.2 "Regulation on the COOMET Technical Committee "Acoustics, Ultrasound, Vibration" (TC 1.2)" (replacing COOMET D5.2/2003); – document COOMET D5.15 " Regulation on the COOMET Technical Committee "Electricity and Magnetism" (TC 1.3)" (replacing COOMET D5.15/2006); – document COOMET D5.4 " Regulation on the COOMET Technical Committee "Length and Angle" (TC 1.5)" (replacing COOMET D5.4/2012); – document COOMET D5.5 "Regulation on the COOMET Technical Committee "Photometry and Radiometry" (TC 1.7)" (replacing COOMET D5.5/2003); – document COOMET D5.6 " Regulation on the COOMET Technical Committee "Physical Chemistry" (TC 1.8)" (replacing COOMET D5.6/2014); – document COOMET D5.10 " Regulation on the COOMET Technical Committee "Thermometry and Thermal Physics" (TC 1.10)" (replacing COOMET D5.10/2004); – document COOMET D5.11 " Regulation on the COOMET Technical Committee "Time and Frequency" (TC 1.11)" (replacing COOMET D5.11/2006); – document COOMET D5.7 " Regulation on the COOMET Technical Committee "Reference Materials" (TC 1.12)" (replacing COOMET D5.7/2013); – document COOMET D5.12 " Regulation on the COOMET Technical Committee 	<i>N.Liakhova, Head of COOMET Secretariat; COOMET Committee members or their official representatives</i>

No	Issue	Speaker
	"Legal Metrology" (TC 2)" (replacing COOMET D5.12/2013).	
11.2.	About the cancellation of the COOMET publications: – recommendation 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", prepared under project 404/RU-a/07 (based on the decision of TC 4); – information material COOMET I/GM/4:2005 "Analysis of the Problem of Introduction of the Guide to the Expression of Uncertainty in Measurement in COOMET Member Countries", prepared under project 279/RU-a/03 (based on the decision of TC 1.1).	
12.	Information about the activities of regional organizations	<i>Official representatives</i>
	<i>APMP</i>	<i>Takehiro Morioka, APMP Executive Committee member</i>
	<i>AFRIMETS</i>	<i>Wynand Louw, Head of the AFRIMETS Secretariat</i>
	<i>GULFMET</i>	<i>Amina Al Bastaki, GULFMET President</i>
	<i>SIM</i>	<i>Claudia Santo, SIM Executive Secretariat</i>
	<i>EASC</i>	<i>Vladimir Chernyak, EASC Executive Secretary</i>
13.	Information from the national metrology organizations, which are COOMET members, about the state of metrological activities in their countries	<i>COOMET Committee members or their official representatives</i>
14.	About the venue and date of the next COOMET Committee meeting	<i>V.Hurevich, COOMET President</i>

RESULTS OF THE AGENDA ITEMS CONSIDERATION

1 ABOUT THE RESOLUTIONS OF THE WORKING SESSION (25 October 2022)

COOMET President Valery Hurevich informed all Plenary Session participants about the resolutions adopted at the Working Session of the COOMET Committee meeting (see Resolutions of the Working session).

He also congratulated the new Chairs of TC 1.4, TC 1.5, TC 1.10 and TC 5 present at the meeting on their appointments and wished them fruitful work throughout their term of office.

2 ABOUT IMPLEMENTATION OF THE RESOLUTIONS OF THE 31TH AND 32ND COOMET COMMITTEE MEETING. PRESENTATION OF THE MINUTES

Head of COOMET Secretariat Nadezhda Liakhova informed the meeting participants about the implementation of resolutions of the 31st and 32nd COOMET Committee meeting (resolutions, which are under implementation, are controlled by the COOMET Secretariat).

She also presented the Minutes of the 31st and 32nd COOMET Committee meeting and reported that all proposals and comments on the drafts, received by the Secretariat, were taken into account in the final version. The Minutes are available on the COOMET web-resources.

3 REPORT OF COOMET PRESIDENT

COOMET President Valery Hurevich presented to the meeting participants a report about the COOMET activities during the period of cooperation of 2021-2022 and some future tasks (Annex COOMET-33-PS/01).

4 ANNUAL REPORT ON THE ACTIVITIES OF COOMET

Head of COOMET Secretariat Nadezhda Liakhova presented to the meeting participants the Annual Report on the COOMET activities for the period from 1 January 2021 to 15 October 2022, prepared taking into account the reports of COOMET structural bodies (Annex COOMET-33-PS/02).

5 COOMET ACTIVITIES IN THE FIELD OF MEASUREMENT STANDARDS, INCLUDING THE ISSUES OF THE CIPM MRA IMPLEMENTATION, IN 2021-2022 (IN TERMS OF CMCS AND COMPARISONS)

5.1 About the results of the 44th and 45th JCRB meetings

Valery Hurevich presented to the meeting participants information about the results of the 44th and 45th JCRB meeting (Annex COOMET-33-PS/03).

5.2 About the implementation and update of program COOMET P6/2021 "Roadmap for implementation of resolutions, related to the redefinition of the SI base units for 2020-2025"

The Chair of the Joint Committee for Measurement Standards (JCMS) Anna Chunovkina presented to the meeting participants information about the implementation of program COOMET P6/2021. The program has not been updated since June 2021.

5.3 Annual report about the activities of the Joint Committee for Measurement Standards (JCMS)

Anna Chunovkina presented to the meeting participants the Annual Report on the activities of the JCMS for 2021-2022 (Annex COOMET-33-PS/04), including information about the current state of preparation, review and publication in the KCDB of CMC entries of NMIs/DIs of COOMET member countries, about the implementation of the COOMET Program of Comparisons (including the analysis of comparisons lasting over 5 years), and a brief analysis of activities of TC 1.1 – TC 1.12.

Taking into account the information from the Ministry of Economy of Ukraine about the intent to gain full membership in EURAMET and transfer the fields of activities related to the CIPM MRA from COOMET to EURAMET, COOMET Committee members requested the COOMET Presidential Council and JCMS to continue discussing the mechanisms of the implementation of

the CIPM MRA in terms of CMC review and work on comparisons, involving the specialists from the designated institutes of Ukraine.

COOMET Committee also endorsed the resolution addressed to the Directors of NMIs of COOMET member countries as to ensuring support of the activities of NMI staff members who are members of COOMET structural bodies and organizing review of the reports of TC members on the participation in COOMET TC activities at the meetings of Academic Boards or sections of Academic Boards at NMIs in order to control the deadlines for the implementation of resolutions of TC meetings and/or discuss issues with COOMET project implementation.

5.4 About COOMET activities in the field of reference materials (RM) in 2021-2022

Anna Chunovkina presented to the meeting participants information about COOMET activities in the field of reference materials (CRMs), performed under the auspices of TC 1.12 "Reference Materials".

COOMET Committee approved by the majority of votes the decision to recognize 15 CRM types as COOMET CRMs (Annex COOMET-33-PS/05) based on the decision of the countries, acceded to their recognition, and to include them in the Register of COOMET CRMs (Information material COOMET I/RM/2).

Anna Chunovkina requested COOMET Committee members (in the absence of conclusion from their countries on the recognized CRMs) to organize the review of documents on reference materials by TC 1.12 members of their countries and to send conclusions to the TC 1.12 Secretariat. COOMET Committee supported the request.

COOMET Committee decided by the majority of votes to exclude 17 CRM types from the Register of COOMET CRMs based on the update (Annex COOMET-33-PS/06).

COOMET Committee requested the TC 1.12 Secretariat to update information about CRMs in the Register of COOMET CRMs in view of the additionally acceded countries in accordance with COOMET recommendation COOMET R/RM/4:2008 and to submit the final version of the Register of COOMET CRMs (Information material COOMET I/RM/2) to the COOMET Presidential Council for approval by 01.02.2023.

COOMET Committee approved by the majority of votes updated program COOMET P5/2022 "Program of joint CRM development within COOMET for 2022-2024" (Annex COOMET-33-PS/07).

6 COOMET ACTIVITIES IN THE FIELD OF PEER REVIEWS OF THE QMS OF COOMET NMIS/DIS IN 2021-2022

6.1 Annual report on the activities of the Quality Forum and TC 3.1

Given that the Quality Forum Chair was not present at the meeting, the Head of COOMET Secretariat Nadezhda Liakhova presented to the meeting participants information about the activities of the Quality Forum and TC 3.1 "Quality Forum Technical Committee" for 2021-2022 (Annex COOMET-33-PS/08), as well as the results of peer reviews of the QMS of NMIs/DIs of COOMET member countries conducted in 2021-2022 and the schedule of peer reviews for 2022-2023.

The COOMET Committee members from the countries, where peer reviews are planned (Azerbaijan, Kazakhstan, Cuba, Uzbekistan) confirmed the readiness of their NMIs for peer reviews of the QMS in accordance with the rules, established in COOMET.

7 INFORMATION ABOUT THE ACTIVITIES OF INTERNATIONAL METROLOGY ORGANIZATIONS

Under this item of the agenda the BIPM Department Director Andy Henson (on behalf of the BIPM Director Martin Milton) and BIML Assistant Director Ian Dunmill (on behalf of the BIML Director Anthony Donnellan) gave presentations about the activities of those organizations (Annex COOMET-33-PS/09 and Annex COOMET-33-PS/10 respectively).

8 COOMET ACTIVITIES IN THE FIELD OF LEGAL METROLOGY IN 2021-2022

8.1 Report on the activities of TC2 "Legal Metrology"

The Acting Chair of TC 2, Head of COOMET Secretariat Nadezhda Liakhova presented to the meeting participants a report on the activities of TC2 "Legal Metrology" for 2021-2022, including information about the implementation of the TC 2 Work Program (COOMET P3/2021) for 2021-2023 (Annex COOMET-33-PS/11).

COOMET Committee endorsed the initiative of TC2 on the organization of interaction in the field of activities within LM: "General principles of metrological control and supervision".

9 COOMET ACTIVITIES IN THE FIELD OF INFORMATION AND TRAINING IN 2021-2022

9.1 Report on the activities of TC4 "Information and Training"

The Acting Chair of TC 4, Head of COOMET Secretariat Nadezhda Liakhova presented to the meeting participants a report on the activities of TC4 "Information and Training" for 2021-2022, including information about the implementation of the TC 4 Work Program (COOMET P4/2021) for 2021-2023 (Annex COOMET-33-PS/12).

COOMET Committee requested the Chairs of COOMET structural bodies (JCMS, TC 1.1 – TC 1.12, QF, TC 3.1) in conjunction with TC 4 "Information and Training" and COOMET administrators to organize preparation of COOMET courses for the BIPM e-learning platform (<https://e-learning.bipm.org/>) in 2023.

10 ABOUT THE PREPARATION FOR THE X INTERNATIONAL COMPETITION "BEST YOUNG METROLOGIST OF COOMET - 2023"

COOMET Vice-President Evgeny Lazarenko presented to the meeting participants information about the regular X International competition "Best Young Metrologist of COOMET" to be held in the period from 14 to 16 June 2023 in Ekaterinburg, Russia. He also requested COOMET Committee Members and Directors of COOMET NMIs to encourage young metrologists to take part in this competition.

It was noted that in accordance with the requirements of recommendation COOMET R/GM/18:2022 the Organizing Committee and the Scientific Committee of the competition would shortly be formed.

11 ABOUT COOMET PUBLICATIONS

11.1 Submission of the COOMET publications, prepared and updated in 2020-2021, for approval

Nadezhda Liakhova presented information about the COOMET publications, prepared and updated by COOMET structural bodies in 2021-2022 (Annex COOMET-33-PS/13).

During the voting, the following publications were approved by the COOMET Committee by the majority of votes:

- Recommendation COOMET R/GM/35:2022 "Expression of expanded measurement uncertainty (kurtosis method)" (new, project 796/UA/19)- (Annex COOMET-33-PS/14);
- Information material COOMET I/TR/12:2022 "Education & training systems for metrologists of COOMET member countries" (new, project 731/BY-a/17) - (Annex COOMET-33-PS/15);
- Recommendation COOMET R/GM/18:2022 "Procedure of the International Competition "The Best Young Metrologist of COOMET" (replacing COOMET R/GM/18:2020) (Annex COOMET-33-PS/16);
- Document COOMET D5.1 "Regulation on the COOMET Joint Committee for Measurement Standards (JCMS)" (replacing COOMET D5.1/2018) - (Annex COOMET-33-PS/17);
- Document COOMET D5.2 "Regulation on the COOMET Technical Committee "Acoustics, Ultrasound, Vibration" (TC 1.2)" (replacing COOMET D5.2/2003) - (Annex COOMET-33-PS/18);
- Document COOMET D5.15 "Regulation on the COOMET Technical Committee "Electricity and Magnetism" (TC 1.3)" (replacing COOMET D5.15/2006) - (Annex COOMET-33-PS/19);
- Document COOMET D5.4 "Regulation on the COOMET Technical Committee "Length and Angle" (TC 1.5)" (replacing COOMET D5.4/2012) - (Annex COOMET-33-PS/20);
- Document COOMET D5.5 "Regulation on the COOMET Technical Committee "Photometry and Radiometry" (TC 1.7)" (replacing COOMET D5.5/2003) - (Annex COOMET-33-PS/21);
- Document COOMET D5.6 "Regulation on the COOMET Technical Committee "Physical Chemistry" (TC 1.8)" (replacing COOMET D5.6/2014) - (Annex COOMET-33-PS/22);
- Document COOMET D5.10 "Regulation on the COOMET Technical Committee "Thermometry and Thermal Physics" (TC 1.10)" (replacing COOMET D5.10/2004) - (Annex COOMET-33-PS/23);
- Document COOMET D5.11 "Regulation on the COOMET Technical Committee "Time and Frequency" (TC 1.11)" (replacing COOMET D5.11/2006) - (Annex COOMET-33-PS/24);
- Document COOMET D5.7 "Regulation on the COOMET Technical Committee "Reference Materials" (TC 1.12)" (replacing COOMET D5.7/2013) - (Annex COOMET-33-PS/25);
- Document COOMET D5.12 "Regulation on the COOMET Technical Committee "Legal Metrology" (TC 2)" (replacing COOMET D5.12/2013)- (Annex COOMET-33-PS/26).

The publications will be posted by the COOMET Secretariat on the COOMET information resources.

11.2 About the cancellation of the COOMET publications

COOMET Committee endorsed proposals from CSBs on the cancellation of two COOMET publications, namely:

- Recommendation 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", prepared under project 404/RU-a/07 (based on the decision of TC 4);

- Information material COOMET I/GM/4:2005 "Analysis of the Problem of Introduction of the Guide to the Expression of Uncertainty in Measurement in COOMET Member Countries", prepared under project 279/RU-a/03 (based on the decision of TC 1.1). COOMET Committee requested the COOMET Secretariat to update the information on the COOMET web-resources.

12 INFORMATION ABOUT THE ACTIVITIES OF REGIONAL ORGANIZATIONS

Under this agenda item, representatives of regional organizations: APMP (Takehiro Morioka), AFRIMETS (Henry Rotich), GULFMET (Amina Al Bastaki), SIM (Claudia Santo), EASC (Vladimir Chernyak) gave presentations about the activities of their organizations (Annex COOMET-33-PS/26, Annex COOMET-33-PS/27, Annex COOMET-33-PS/28, Annex COOMET-33-PS/29 and Annex COOMET-33-PS/30 respectively).

13 INFORMATION FROM THE NATIONAL METROLOGY ORGANIZATIONS, WHICH ARE COOMET MEMBERS, ABOUT THE STATE OF METROLOGICAL ACTIVITIES IN THEIR COUNTRIES

Under this agenda item, COOMET Committee members or their official representatives presented information about the state of metrological activities in their countries.

The presentations, given at the meeting, can be found here:

<https://www.coomet.net/activities/coomet-committee-meetings/33rd-coomet-committee-meeting/>

14 ABOUT THE VENUE AND DATE OF THE NEXT COOMET COMMITTEE MEETING

Valery Hurevich reminded the meeting participants of the decision of the 32nd COOMET Committee meeting (26.10.2021) to plan the Committee meeting in 2022 in Kazakhstan (at the invitation of Zhanat Begaydarov, COOMET Committee member from Kazakhstan), and in 2023 in Uzbekistan (at the invitation of Lazizbek Saidoripov, COOMET Committee member from Uzbekistan).

Unfortunately, the meeting in 2022 (planned to be held in Astana, Kazakhstan) was rescheduled from June to October and held online. Zhanat Begaydarov and Lazizbek Saidoripov confirmed their readiness to organize a COOMET Committee meeting in 2023 in their countries.

Valery Hurevich thanked Zhanat Begaydarov and Lazizbek Saidoripov on behalf of the COOMET Committee for their positions. In view of the force majeure in the COOMET region, he suggested that the final decision on the date and format or venue of the 34th COOMET Committee meeting be made by the Presidential Council by 1 March 2023 at the latest.

COOMET Committee approved the dates of the Committee meeting: the week from 5 to 9 June 2023: the decision was also approved to hold a COOMET seminar on digital transformation in metrology ahead of the meeting.

THE AGREED RESOLUTIONS ARE ATTACHED TO THESE MINUTES.

CLOSING OF THE MEETING

COOMET President Valery Hurevich thanked all the participants of the COOMET Committee meeting for their active and fruitful work and expressed hope that the next COOMET Committee meeting would be held in the conventional format.

RESOLUTIONS of the 33rd COOMET Committee Meeting

WORKING SESSION

Agenda item	Resolution number	Content
1	2	3
1		About new COOMET Committee members
	RESOLUTION 33W-1	To take note of the information about appointment of new COOMET Committee members: Azerbaijan: Azer Tengiz oğlu GURBANOV (AzMİ); China: Yuning DUAN (NIM); Kyrgyzstan: Almazbek BAYALIEV (KYRGYZSTANDART); Moldova: Alexei PIANIH (INM-MD); Tajikistan: Mansur Hudzhavali SAFARZODA (Tajikstandard).
2		Activities to improve the work of COOMET
2.1	RESOLUTION 33W-2	To approve document COOMET D1/2022 "COOMET Memorandum of Understanding" (replacing D1/2010) in the proposed version: COOMET-33-WS/01 .
	RESOLUTION 33W-3	To endorse the COOMET Presidential Council's decision to establish a COOMET Task Group on the issues of digital transformation in metrology (TG-DigTr) and appoint Andrey Pankov (VNIIMS, Russia) as its Chair. TG-DigTr lifespan: 2021-2025. <i>Note: The TG-DigTr membership was formed under COOMET project 825/RU-a/21.</i>
	RESOLUTION 33W-4	To request the TG-DigTr Chair Andrey Pankov (VNIIMS, Russia) to present information about TG-DigTr activities at the COOMET Committee meeting in 2023.
2.2	RESOLUTION 33W-5	To approve document COOMET D4/2022 "COOMET publications. Classification, procedure for development, approval, registration and update" (replacing D4/2014) in the proposed version COOMET-33-WS/02 .
	RESOLUTION 33W-6	To request the COOMET Secretariat to register and make the updated versions of documents COOMET D1/2022 and COOMET D4/2022 available on the COOMET web resources by 30.11.2022 .
3		About the activities of the Working Group for Preparation of the COOMET Developments Strategy
3.1	RESOLUTION 33W-7	To suspend the activities of the Working Group for Preparation of the COOMET Development Strategy.
	RESOLUTION 33W-8	In case of reactivation of the Working Group for Preparation of the COOMET Development Strategy, to discuss the possibility of adding a provision to document COOMET D1 "COOMET Memorandum of Understanding" on making annual payments (in the form of bilateral agreements for information service on COOMET activities) by all COOMET members (full and associated) to support holding of the "rotating" COOMET Secretariat in the amount, specified by the decision of the COOMET Committee AS AN ALTERNATIVE to membership fees .
4		About possible options to enhance cooperation without changing the organizational and legal form of COOMET (in view of the results of the survey among COOMET Committee members)
4.1	RESOLUTION 33W-9	To take note of the results of the conducted survey (COOMET-33-WS/03).
	RESOLUTION 33W-10	To endorse the decision of the Presidential Council to establish a COOMET Task Group on CEEMS support (TG-CEEMS) and to appoint the COOMET Vice-President Zhanat Begaydarov, KazStandard, Kazakhstan, as its Chair. TG-CEEMS lifespan – 2022-2026. To submit the preliminary results of the TG-CEEMS activities to the COOMET Committee meeting in 2023.

1	2	3
	RESOLUTION 33W-11	To request the Vice-President Zhanat Begaydarov to start a COOMET project in order to establish the membership of the TG-CEEMS, refine its tasks and schedule of work.
	RESOLUTION 33W-12	To endorse in general the appropriateness of giving the status of an "international conference" to official COOMET events (meetings of the COOMET Committee, COOMET structural bodies (JCMS, TC, Quality Forum)), so that countries' participants could pay a registration fee to the account of the economic entity that acts as a host (reimbursement of the organizer's costs). To request the Presidential Council to continue discussion in 2023 and elaborate this issue, inter alia, in terms of agreeing the amount and need for fee gradation, as well as the level of approval of these decisions (COOMET Committee or Presidential Council). To submit proposals at the COOMET Committee meeting in 2024.
	RESOLUTION 33W-13	To request the Presidential Council to continue discussion of the proposals from COOMET Committee members on the possible contribution to COOMET activities and other proposals on possible options to enhance cooperation if the status quo is maintained (see COOMET-33-WS/03) and to formulate final recommendations at the COOMET Committee meeting in 2023.
	RESOLUTION 33W-14	To endorse in general the possibility of adding a provision to document COOMET D1 "COOMET Memorandum of Understanding" in the future on making annual payments (in the form of bilateral agreements for information service on COOMET activities) by all COOMET members (full and associated) to support holding of the "rotating" COOMET Secretariat in the amount, specified by the decision of the COOMET Committee. To request the Presidential Council to continue discussion on this issue.
5		About the appropriateness of establishing a task group on the issues of making amendments to the fundamental COOMET documents and appointment of its Chair (in case of a positive decision)
	RESOLUTION 33W-15	To endorse the establishment of a task group on the issues of making amendments to the fundamental COOMET documents (TG-Doc). TG lifespan: 2022-2024.
	RESOLUTION 33W-16	To appoint the COOMET Vice-President Evgeny Lazarenko (Russia) the TG-Doc Chair.
	RESOLUTION 33W-17	To request the TG-Doc Chair Evgeny Lazarenko (Russia) to start a COOMET project in order to establish the membership of the TG-Doc and refine the schedule of its work. Given the importance of the discussed issues within the area of responsibility of TG-Doc and their impact on COOMET activities in the future, to consider it appropriate to involve interested COOMET Committee members or their official representatives in the TG-Doc.
6		About the suspension of participation of Ukraine in COOMET structural bodies
	RESOLUTION 33W-18	To take note of the information from the Ministry of Economy about the suspension of participation of Ukraine in COOMET structural bodies
	RESOLUTION 33W-19	To take note of the information about the suspension of the powers of a COOMET Vice-President for Pavel Neyezhnikov.

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	RESOLUTION 33W-20	To take note of the information about the appointment of the following persons as the Acting CSB Chairs by the COOMET Presidential Council (from 15.10.2022 till the date of the 34th COOMET Committee meeting): <ul style="list-style-type: none"> – TC 1.2 "Acoustics, Ultrasound, Vibration": Aleksandr Isaev (VNIIFTRI, Russia), TC 1.2 member; – TC 1.6 "Mass and Related Quantities": Viktoriya Bogdanova (VNIIM, Russia), Deputy Chair of TC 1.6; – TC 2 "Legal Metrology": Nadezhda Liakhova, Head of COOMET Secretariat; – TC 4 "Information and Training": Nadezhda Liakhova, Head of COOMET Secretariat.
7		About the COOMET structure
7.1	RESOLUTION 33W-21	To approve the decision on the establishment of subcommittees within TC 1.7 "Photometry and Radiometry": <ul style="list-style-type: none"> – SC 1.7.1 "Optical Properties of Materials"; – SC 1.7.2 "Fiber Optics".
7.2	RESOLUTION 33W-22	To approve the decision on the establishment of subcommittees within TC 1.8 "Physical Chemistry": <ul style="list-style-type: none"> – SC 1.8.7 "Particle Characterization"; – SC 1.8.8 "Isotope analysis".
7.3	RESOLUTION 33W-23	To approve the decision on changing the names of the following subcommittees within TC 1.8 "Physical Chemistry": <ul style="list-style-type: none"> – SC 1.8.3 "Non-organic Analysis" (instead of "Pure non-organic substances"); – SC 1.8.5 "Organic Analysis" (instead of "Organic and non-organic analysis").
7.4	RESOLUTION 33W-24	To approve the decision to reactivate TC 5 "Innovative research in metrology" (with the TC title refined). To take note of the information about the formation of the TC 5 membership.
	RESOLUTION 33W-25	To request the COOMET Vice-President Evgeny Lazarenko (Russia) to organize preparation and discussion of a draft concept of innovative COOMET research with TC 5 members in 2022 – 1st quarter of 2023, as well as assessment of possible funding sources and requirements of internal/external donors (in view of the requirements of items 59. (Ind-f.1.4) 60. (Ind-f.1.5) 61. (Ind-f.1.6) of the COOMET Development Program for 2022-2025).
8		About the terms of office of the Chairs of COOMET structural bodies and SCs. Establishment of COOMET bodies
8.1	RESOLUTION 33W-26	To extend the terms of office of the Chair of TC 1.7 "Photometry and Radiometry" Anatoli Bescupschi (INM-MD, Moldova) for 4 years (until October 2026).
	RESOLUTION 33W-27	To extend the terms of office of the Chair of TC 1.11 "Time and Frequency" Vitaliy Palchikov (VNIIFTRI, Russia) for 1 year (until the 34 th COOMET Committee meeting in 2023) and to request him to hold the election of a new Chair till the end of year 2022.
8.2	RESOLUTION 33W-28	appoint the following Chairs (terms of office – 4 years (until October 2026)): <ul style="list-style-type: none"> – Roman Korneev (VNIIR-branch of VNIIM, Russia) as the Chair of TC 1.4 "Flow Measurement"; – Konstantin Chekirda (VNIIM, Russia) as the Chair of TC 1.5 "Length and Angle"; – Petr Krivonos (BelGIM, Belarus) as the Chair of TC 1.10 "Thermometry and Thermal Physics"; – Evgeny Lazarenko (Rosstandart, Russia) as the Chair of TC 5 "Innovative Research in Metrology"; – Gennadiy Vishnyakov (VNIIOFI, Russia) as the Chair of SC 1.7.1 "Optical Properties of Materials"; – Aleksey Mityurev (VNIIOFI, Russia) as the Chair of SC 1.7.2 "Fiber Optics"; – Vladimir Dobrovolsky (VNIIFTRI, Russia) as the Chair of SC 1.8.7 "Particle Characterization"; – Yan Chubchenko (VNIIM, Russia) as the Chair of SC 1.8.8 "Isotope Analysis";

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		<ul style="list-style-type: none"> – Sergey Prokunin (VNIIFTRI, Russia) as the Chair of SC 1.8.1 "Electrochemistry"; – Aleksandr Ivanov (VNIIOFI, Russia) as the Chair of SC 1.8.2 "Metals and Alloys".
8.3	RESOLUTION 33W-29	To take note of the information about the current memberships of CSBs (COOMET-33-WS/05).
9		About approval of new COOMET auditors on peer reviews of QMS of COOMET NMIs/DIs
	RESOLUTION 33W-30	To approve Kseniya Kashirina (VNIIOFI, Russia) as a COOMET Auditor.
	RESOLUTION 33W-31	To approve the updated List of COOMET auditors on peer reviews of QMS of COOMET NMIs/DIs (COOMET-33-WS/06).
10		About the approval of a new membership of the COOMET Appeal Board on comparisons of the national measurement standards and CMC data peer review
	RESOLUTION 33W-32	To approve the new membership of the COOMET Appeal Board (hereinafter referred to as AB) on comparisons of national measurement standards and CMC data review: <ul style="list-style-type: none"> - AB Chair: Zhanat Begaydarov (Kazakhstan); - AB member: Nikita Zviagin (Russia); - AB member: Manana Gelovani (Georgia).
11		Approval of decisions to give the distinguished title "Honorary Metrologist of COOMET" in 2021
	RESOLUTION 33W-33	To approve the decision to give the distinguished title "Honorary Metrologist of COOMET" to the following specialists of the organizations of COOMET member countries for the considerable personal contribution to the work and activities of COOMET and to award them with breastplates: No. of a breastplate: 96 Gennadiy NARODNITSKIY (Ukraine); 97 Karlygash SATTYBAYEVA (Kazakhstan); 98 Thomas AHBE (Germany); 99 Elchin ABBASOV (Azerbaijan); 100 Ekaterina KOTOVA (Kyrgyzstan); 101 Aleksandr KATKOV (Russia); 102 Stella STRAISTARI (Moldova).
	RESOLUTION 33W-34	To express gratitude the COOMET Vice-President Evgeny Lazarenko (Russia) for organizing the manufacturing of a new batch of breastplates.
	RESOLUTION 33W-35	To request the COOMET Secretariat to organize sending of the diplomas on giving the distinguished title (by email) and breastplates (by post).

PLENARY SESSION

Agenda item	Resolution number	Content
1	2	3
1		About the resolutions of the Working session (25 October 2022)
		To take note of the information about the resolutions of the Working Session of the 33rd COOMET Committee Meeting (25 October 2022) – see Resolutions of the Working session.
2		About implementation of the resolutions of the 31th and 32nd COOMET Committee meeting. Presentation of the Minutes
	RESOLUTION 33P-1	To take note of the information about agreeing on the Minutes of the 31 st and 32 nd COOMET Committee meeting by COOMET Committee members and making them available on the COOMET web resources.
	RESOLUTION 33P-2	To take note of the information, presented by the Head of COOMET Secretariat, about the implementation of resolutions of the 31 st and 32 nd COOMET Committee Meeting.
3		Report of COOMET President
	RESOLUTION 33P-3	To take note of the report of the COOMET President Valery Hurevich (Belarus) and to use its provisions in further COOMET activities (COOMET-33-PS/01).
4		Annual report on the activities of COOMET
	RESOLUTION 33P-4	To approve the Annual Report on the COOMET activities (COOMET-33-PS/02).
5		COOMET activities in the field of measurement standards, including the issues of the CIPM MRA implementation, in 2021-2022 (in terms of CMCs and comparisons)
5.1	RESOLUTION 33P-5	To take note of the information about the results of the 44 th and 45 th JCRB meetings (COOMET-33-PS/03).
	RESOLUTION 33P-6	To take note of the information about the implementation of program COOMET P6/2021 "COOMET Roadmap for implementation of resolutions, related to the redefinition of the SI base units for 2021-2025".
5.3	RESOLUTION 33P-7	To take note of the Annual report about the activities of the Joint Committee for Measurement Standards including the analysis of activities of TC 1.1 – TC 1.12 (COOMET-33-PS/04).
	RESOLUTION 33P-8	To take note of the information about the current state of preparation, review and publication in the KCDB of CMC entries of NMIs/DIs of COOMET member countries and challenges.
	RESOLUTION 33P-9	To take note of the information about implementation of the COOMET Program of Comparisons and challenges related to the comparisons of measurement standards in COOMET member countries.
	RESOLUTION 33P-10	To take note of the information from the Ministry of Economy of Ukraine about the intent to gain full membership in EURAMET and transfer the fields of activities related to the CIPM MRA from COOMET to EURAMET. The COOMET Presidential Council and Joint Committee for Measurement Standards should continue discussing the mechanisms of implementation of the CIPM MRA in terms of CMC review and work on comparisons, involving the specialists from the designated institutes of Ukraine.
	RESOLUTION 33P-11	To request the Directors of NMIs of COOMET member countries: (1) to ensure support of the activities of NMI staff members who are members of COOMET structural bodies, (2) to organize review of the reports of TC members on the participation in COOMET TC activities at the meetings of Academic Boards or sections of Academic Boards at NMIs in order to control the deadlines for the implementation of resolutions of TC

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		meetings and/or discuss problems with COOMET project implementation.
5.4	RESOLUTION 33P-12	To recognize 15 CRM types, presented by TC 1.12 "Reference Materials" as COOMET CRMs (COOMET-33-PS/05) based on the decision of the countries, acceded to their recognition, and to include them in the Register of COOMET CRMs (Information material COOMET I/RM/2).
	RESOLUTION 33P-13	To request COOMET Committee members (in the absence of conclusion on the above CRMs) to organize the review of documents on reference materials, given in Resolution 33P-12 , by TC 1.12 members of their countries and to send conclusions to the TC 1.12 Secretariat (UNIIM-branch of VNIIM) by 01.12.2022 .
	RESOLUTION 33P-14	To exclude 17 CRM types from the Register of COOMET CRMs (Information material COOMET I/RM/2) (COOMET-33-PS/06)
	RESOLUTION 33P-15	To take note of the information about the update of the data on other COOMET CRMs registered in the Register of COOMET CRMs (Information material COOMET I/RM/2) in view of the information received by the TC 1.12 Secretariat from COOMET member countries.
	RESOLUTION 33P-16	To request the TC 1.12 Secretariat to update information about CRMs in the Register of COOMET CRMs in view of additionally acceded countries in accordance with COOMET recommendation COOMET R/RM/4:2008 (see Resolutions 33P-13) and Resolutions 33P-14 and Resolutions 33P-15 and to submit the final version of the Register of COOMET CRMs (Information material COOMET I/RM/2) to the COOMET Presidential Council for approval by 01.02.2023 .
	RESOLUTION 33P-17	To approve updated program COOMET P5/2022 "Program of joint CRM development within COOMET for 2022-2024" (in view of the resolutions of the 26 th and 27 th TC 1.12 meetings) (COOMET-33-PS/07)
6		COOMET activities in the field of peer reviews of the QMS of COOMET NMIs/DIs in 2021-2022
6.1	RESOLUTION 33P-18	To take note of the Annual report on the activities of the Quality Forum and TC 3.1 "Quality Forum Technical Committee" (COOMET-33-PS/08).
	RESOLUTION 33P-19	To take note of the information about the results of peer reviews of the QMS of NMIs/DIs of COOMET member countries in 2021-2022 and about the schedule of peer reviews for 2022-2023.
7		Information about the activities of international metrology organizations
	RESOLUTION 33P-20	To express gratitude to the representatives of the BIPM (Andy Henson) OIML/BIML (Ian Dunmill) for the provided information about the activities of the mentioned organizations (COOMET-33-PS/09 , COOMET-33-PS/10).
8		COOMET activities in the field of legal metrology in 2021-2022
8.1	RESOLUTION 33P-21	To take note of the Annual Report about the activities of TC 2 "Legal Metrology" for 2021 (COOMET-33-PS/11), as well as of the information about the current status of the projects provided for in the Work Program of TC 2 for 2021-2023 (COOMET P3/2021).
	RESOLUTION 33P-22	To endorse the initiative of TC2 on the organization of interaction within TC 2 in the field of activities within LM: "General principles of metrological control and supervision"
9		COOMET activities in the field of information and training in 2021-2022
9.1	RESOLUTION 33P-23	To take note of the Annual Report about the activities of TC 4 "Information and training" (COOMET-33-PS/12), as well as of the information about the current status of the projects provided for in the Work Program of TC 4 for 2021-2023.
	RESOLUTION 33P-24	To request the Chairs of COOMET structural bodies (JCMS, TC 1.1 – TC 1.12, QF, TC 3.1) in conjunction with TC 4 "Information and Training" and COOMET administrators to organize preparation of COOMET courses for the BIPM e-learning platform (https://e-learning.bipm.org/) in 2023 – at least one from each CSB.

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10		About the preparation for the X International Competition "Best Young Metrologist of COOMET - 2023"
	RESOLUTION 33P-25	To take note of the information about the regular X International competition "Best Young Metrologist of COOMET" in the period from 14 to 16 June 2023 in Ekaterinburg, Russia. To request COOMET Committee Members and Directors of COOMET NMI to encourage young metrologists to take part in this competition.
	RESOLUTION 33P-26	To request the COOMET Vice-President from Russia Evgeny Lazarenko to form the Organizing Committee of the competition by 15.11.2022 and to send this information to the COOMET Secretariat to further inform potential participants of the competition.
	RESOLUTION 33P-27	To request the COOMET Vice-President from Russia Evgeny Lazarenko and Head of COOMET Secretariat, Acting Chair of TC 4 Nadezhda Liakhova to organize formation of the Scientific Committee of the competition and to submit proposals on its membership to the COOMET Presidential Council meeting for approval (February 2023).
11		About COOMET publications
11.1	RESOLUTION 33P-28	To approve COOMET publications, prepared and updated in 2021-2022: <ul style="list-style-type: none"> – recommendation COOMET R/GM/35:2022 "Expression of expanded measurement uncertainty (kurtosis method)" (new, project 796/UA/19)- (COOMET-33-PS/13); – information material COOMET I/TR/12:2022 "Education & training systems for metrologists of COOMET member countries" (new, project 731/BY-a/17)- (COOMET-33-PS/14); – recommendation COOMET R/GM/18:2022 "Procedure of the International Competition "The Best Young Metrologist of COOMET" (replacing COOMET R/GM/18:2020) (COOMET-33-PS/15); – document COOMET D5.1 "Regulation on the COOMET Joint Committee for Measurement Standards (JCMS)" (replacing COOMET D5.1/2018)- (COOMET-33-PS/16); – document COOMET D5.2 "Regulation on the COOMET Technical Committee "Acoustics, Ultrasound, Vibration" (TC 1.2)" (replacing COOMET D5.2/2003) - (COOMET-33-PS/17); – document COOMET D5.15 "Regulation on the COOMET Technical Committee "Electricity and Magnetism" (TC 1.3)" (replacing COOMET D5.15/2006)- (COOMET-33-PS/18); – document COOMET D5.4 "Regulation on the COOMET Technical Committee "Length and Angle" (TC 1.5)" (replacing COOMET D5.4/2012)- (COOMET-33-PS/19); – document COOMET D5.5 "Regulation on the COOMET Technical Committee "Photometry and Radiometry" (TC 1.7)" (replacing COOMET D5.5/2003)- (COOMET-33-PS/20); – document COOMET D5.6 "Regulation on the COOMET Technical Committee "Physical Chemistry" (TC 1.8)" (replacing COOMET D5.6/2014)- (COOMET-33-PS/21); – document COOMET D5.10 "Regulation on the COOMET Technical Committee "Thermometry and Thermal Physics" (TC 1.10)" (replacing COOMET D5.10/2004)- (COOMET-33-PS/22); – document COOMET D5.11 "Regulation on the COOMET Technical Committee "Time and Frequency" (TC 1.11)" (replacing COOMET D5.11/2006)- (COOMET-33-PS/23); – document COOMET D5.7 "Regulation on the COOMET Technical Committee "Reference Materials" (TC 1.12)" (replacing COOMET D5.7/2013)- (COOMET-33-PS/24); – document COOMET D5.12 "Regulation on the COOMET Technical Committee "Legal Metrology" (TC 2)" (replacing COOMET D5.12/2013)- (COOMET-33-PS/25).

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11.2	RESOLUTION 33P-29	To request COOMET Committee members to evaluate the feasibility and appropriateness of implementing recommendation COOMET R/GM/12:2022 "Expression of expanded measurement uncertainty (kurtosis method)" in their countries and submit their decision to the COOMET Secretariat by 25.11.2022 . Note: these data should be given in the information to the recommendation in accordance with COOMET D4/2022.
	RESOLUTION 33P-30	To request the COOMET Secretariat to make available the prepared and updated versions of the publications under Resolution 33P-28 (including the publication mentioned in Resolution 33P-17) on the COOMET web resources by 30.11.2022 .
	RESOLUTION 33P-31	To cancel the COOMET publications: <ul style="list-style-type: none"> – recommendation 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", prepared under project 404/RU-a/07 (based on the decision of TC 4); – information material COOMET I/GM/4:2005 "Analysis of the Problem of Introduction of the Guide to the Expression of Uncertainty in Measurement in COOMET Member Countries", prepared under project 279/RU-a/03 (based on the decision of TC 1.1).
	RESOLUTION 33P-32	To request the COOMET Secretariat to update the information under Resolution 33P-31 on the COOMET web resources by 30.11.2022 .
12		Information about the activities of regional organizations
12.1	RESOLUTION 33P-33	To express gratitude to the representatives of APMP (Takehiro Morioka), AFRIMETS (Henry Rotich), GULFMET (Amina Al Bastaki), SIM (Claudia Santo), EASC (Vladimir Chernyak) for the provided information about activities of the mentioned organizations (COOMET-33-PS/26, COOMET-33-PS/27, COOMET-33-PS/28, COOMET-33-PS/29, COOMET-33PS/30).
13		Information from the national metrology organizations, which are COOMET members, about the state of metrological activities in their countries
	RESOLUTION 33P-34	To take note of the information from the national metrology organizations, which are COOMET members, about the state of metrological activities in their countries.
15		About the venue and date of the next COOMET Committee meeting
	RESOLUTION 33P-35	To take note of the information about the proposals on holding the next COOMET Committee meetings (provided there are no restrictions on border crossing): <ul style="list-style-type: none"> – in Kazakhstan: from Zhanat Begaydarov, COOMET Committee member from Kazakhstan; – in Uzbekistan: from Lazizbek Saidoripov, COOMET Committee member from Uzbekistan.
	RESOLUTION 33P-36	To consider it appropriate to hold a COOMET seminar on digital transformation in metrology along with the 34 th COOMET Committee meeting
	RESOLUTION 33P-37	To consider it appropriate to decide on the dates and format of the 34 th COOMET Committee meeting (tentatively: the week from 5 to 9 June 2022) by 1 March 2023 at the latest. To request the COOMET Secretariat to inform COOMET Committee members about the made decision in due course.



Valery Hurevich,
COOMET President



Nadezhda Liakhova,
Head of COOMET Secretariat

DOCUMENTS OF THE 33rd COOMET COMMITTEE MEETING (ANNEXES TO THE MINUTES)

Annex to the Minutes	Document code
WORKING SESSION	
Document COOMET D1/2022 "COOMET Memorandum of Understanding" (replacing D1/2020)	COOMET-33-WS/01
Document COOMET D4/2022 "COOMET publications. Classification, procedure for development, approval, registration and update" (replacing D4/2014)	COOMET-33-WS/02
Results of the survey conducted among COOMET Committee members to define their vision of possible options to enhance cooperation without changing the organizational and legal form of COOMET	COOMET-33-WS/03
Members of CSBs (as of 27 October 2022)	COOMET-33-WS/04
List of COOMET auditors on the peer review of QMS of COOMET NMIs/DIs	COOMET-33-WS/05
PLENARY SESSION	
COOMET President's report	COOMET-33-PS/01
Annual report on the COOMET activities	COOMET-33-PS/02
Information about the results of the 44 th and 45 th JCRB meetings	COOMET-33-PS/03
Annual report of the COOMET Joint Committee for Measuring Standards	COOMET-33-PS/04
List of certified reference materials approved for recognition as COOMET CRMs	COOMET-33-PS/05
List of certified reference materials approved for exclusion from the Register of COOMET CRMs	COOMET-33-PS/06
Updated program COOMET P5/2022 "Program of Joint CRM Production Within COOMET for 2022-2024"	COOMET-33-PS/07
Annual report about the activities of the COOMET Quality Forum and TC 3.1 "Quality Forum Technical Committee"	COOMET-33-PS/08
Information about the BIPM activities	COOMET-33-PS/09 <i>in English</i>
Information about the OIML/BIML activities	COOMET-33-PS/10 <i>in English</i>
Annual report about the activities of TC 2 "Legal Metrology"	COOMET-33-PS/11
Annual report about the activities of TC 4 "Information and Training"	COOMET-33-PS/12
Recommendation COOMET R/GM/35:2022 "Expression of the expanded measurement uncertainty (method of kurtosis)" (new, project 796/UA/19)	COOMET-33-PS/13
Information material COOMET I/TR/12:2022 "Training systems for metrologists in COOMET member countries" (new, project 731/BY-a/17)	COOMET-33-PS/14
Recommendation COOMET R/GM/18:2022 "Procedure for the International Competition "The Best Young Metrologist of COOMET" (replacing COOMET R/GM/18:2020)	COOMET-33-PS/15
Document COOMET D5.1 "Regulation on the COOMET Joint Committee for Measurement Standards (JCMS)" (replacing COOMET D5.1/2018)	COOMET-33-PS/16

Annex to the Minutes	Document code
Document COOMET D5.2 "Regulation on the COOMET Technical Committee «Acoustics, Ultrasound, Vibration» (TC 1.2)" (replacing COOMET D5.2/2003)	COOMET-33-PS/17
Document COOMET D5.15 "Regulation on the COOMET Technical Committee «Electricity and Magnetism» (TC 1.3)" (replacing COOMET D5.15/2006)	COOMET-33-PS/18
Document COOMET D5.4 "Regulation on the COOMET Technical Committee "Length and Angle" (TC 1.5)" (replacing COOMET D5.4/2012)	COOMET-33-PS/19
Document COOMET D5.5 "Regulation on the COOMET Technical Committee "Photometry and Radiometry" (TC 1.7)" (replacing COOMET D5.5/2003)	COOMET-33-PS/20
Document COOMET D5.6 "Regulation on the COOMET Technical Committee "Physical Chemistry" (TC 1.8)" (replacing COOMET D5.6/2014)	COOMET-33-PS/21
Document COOMET D5.10 "Regulation on the COOMET Technical Committee "Thermometry and Thermal Physics" (TC 1.10)" (replacing COOMET D5.10/2004)	COOMET-33-PS/22
Document COOMET D5.11 "Regulation on the COOMET Technical Committee "Time and Frequency" (TC 1.11)" (replacing COOMET D5.11/2006)	COOMET-33-PS/23
Document COOMET D5.7 "Regulation on the COOMET Technical Committee "Reference Materials" (TC 1.12)" (replacing COOMET D5.7/2013)	COOMET-33-PS/24
Document COOMET D5.12 "Regulation on the COOMET Technical Committee "Legal Metrology" (TC 2)" (replacing COOMET D5.12/2013)	COOMET-33-PS/25
Information about the APMP activities	COOMET-33-PS/26 <i>in English</i>
Information about the AFRIMETS activities	COOMET-33-PS/27 <i>in English</i>
Information about the GULFMET activities	COOMET-33-PS/28 <i>in English</i>
Information about the SIM activities	COOMET-33-PS/29 <i>in English</i>
Information about the EASC activities	COOMET-33-PS/30 <i>in Russian</i>