



MINUTES

34th COOMET Committee meeting

23 to 24 May 2023

Astana, Kazakhstan & online

The COOMET Committee meeting was convened by the President Valery Hurevich and held in a hybrid format (Astana, Kazakhstan & online) on 23 to 24 May 2023 in the form of a Working Session and a Plenary Session.

LIST OF PARTICIPANTS

WORKING SESSION (23 May 2023)

Representatives of national metrological institutions of COOMET member countries		
Country	Name	Status in COOMET, NMI
AZERBAIJAN	1. Azer GURBANOV	COOMET Committee member, AzMi
	2. Rovshan ALIYEV	Deputy Director General – Interim Director General of AzMi
ARMENIA	3. Kamo MOVSISYAN	COOMET Committee member, CJSC "NBSM"
	4. Albert BABAYAN	Director of CJSC "NBSM"
BELARUS	5. Valery HUREVICH	COOMET President, COOMET Committee member, BelGIM
	6. Aleksandr KAZACHOK	Director of BelGIM
	7. Nadezhda LIAKHOVA	Head of COOMET Secretariat, BelGIM
	8. Olga SHEMAGONOVA	COOMET Secretariat, BelGIM
	9. Svetlana KAZAK	COOMET Secretariat, BelGIM
BOSNIA AND HERZEGOVINA	10. Milica Ristovic KRSTIC	COOMET Committee member, IMBIH
GERMANY	11. Frank LIENESCH online	COOMET Vice-President, COOMET Committee member, PTB
	12. Moritz ACKERMANN online	National Secretariat in Germany, PTB
GEORGIA	13. Nino MIKANADZE online	COOMET Vice-President, COOMET Committee member, COOMET QF Chair, GEOSTM
KAZAKHSTAN	14. Gabit MUKHAMBETOV	COOMET Committee member, KazStandard
	15. Ainur RAKHADINOVA	KazStandard
CHINA	16. Xinhua DAI online	COOMET Committee member, NIM
	17. Xiumei (Stella) ZHU online	National Secretariat in China, NIM
	18. Juan (Ada) CAI online	TC 4 member, NIM
	19. Shuxia (Lilia) XU online	NIM
CUBA	20. José ZALDÍVAR online	Representative of COOMET Committee member, National Secretariat in Cuba, INIMET
KYRGYZSTAN	21. Almazbek BAYALIEV	COOMET Committee member, KYRGYZSTANDART
	22. Aibek MUSAYEV	Deputy Director of KYRGYZSTANDART
	23. Elmira ABASBEKOVA	National Secretariat in Kyrgyzstan, KYRGYZSTANDART

MOLDOVA	24. Alexei PIANIH online	COOMET Committee member, INM
RUSSIA	25. Evgeny LAZARENKO	COOMET Vice-President, COOMET Committee member, TC 5 Chair, TG-Doc Chair, Rosstandart
	26. Anna CHUNOVKINA	JCMS Chair, TC 1.1 Chair, VNIIM
	27. Nikita ZVIAGIN	Deputy JCMS Chair, VNIIM
	28. Sergey KOMISSAROV online	National Secretariat in Russia, VNIIMS
SLOVAKIA	29. Maroš KAMENSKÝ online	COOMET Committee member, SMU
TAJIKISTAN	30. Mansur SAFARZODA	COOMET Committee member, Tajikstandard
	31. Jurakhon RAKHIMZODA	TC 1.1 member, Tajikstandard
TURKEY	32. Ramiz HAMID	Representative of COOMET Committee member, TUBITAK UME
UZBEKISTAN	33. Nuriddin RAIMZHONOV	Representative of COOMET Committee member, UzNIM
	34. Marat YUNUSOV	Acting TC 2 Chair, National Secretariat in Uzbekistan, UzNIM

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

Country	
BULGARIA	No reply to the invitation has been received
LITHUANIA	No invitation was sent owing to the notification of the termination of membership in COOMET
UKRAINE	No reply to the invitation has been received. A notification was received on 28.04.2023 of the termination of membership in COOMET

The requirements to a quorum at the Working Session were met (more than 50% of Committee members were present – 16 of 19).

PLENARY session (23 to 24 May 2023)

Representatives of national metrological institutions of COOMET member countries		
Country	Name	Status in COOMET, NMI
AZERBAIJAN	1. Azer GURBANOV	COOMET Committee member, AzMI
	2. Rovshan ALIYEV	Deputy Director General – Interim Director General of AzMI
	3. Parvin KEYGUBADI	Assistant Director General of AzMI
ARMENIA	4. Kamo MOVSISYAN	COOMET Committee member, CJSC "NBSM"
	5. Albert BABAYAN	Director of CJSC "NBSM"
	6. Armenui KHACHATRYAN	Member of TC 1.2, TC 1.3 , TC 1.11, CJSC "NBSM"
BELARUS	7. Valery HUREVICH	COOMET President, COOMET Committee member, BelGIM
	8. Aleksandr KAZACHOK	Director of BelGIM
	9. Nadezhda LIAKHOVA	Head of COOMET Secretariat, BelGIM
	10. Olga SHEMAGONOVA	COOMET Secretariat, BelGIM
	11. Svetlana KAZAK	COOMET Secretariat, BelGIM
	12. Marina YARMOLOVICH	TC 1.3 Chair, BelGIM
	13. Petr KRIVONOS	TC 1.10 Chair, BelGIM
BOSNIA AND HERZEGOVINA	14. Milica Ristovic KRSTIC	COOMET Committee member, IMBIH
	15. Katarina HAFNER-VUK	National Secretariat in Bosnia and Herzegovina, IMBIH
GEORGIA	16. Nino MIKANADZE online	COOMET Vice-President, COOMET Committee member, COOMET QF Chair, GEOSTM
KAZAKHSTAN	17. Gabit MUKHAMBETOV	COOMET Committee member, KazStandard
	18. Ainur RAKHADINOVA	KazStandard
CHINA	19. Xinhua DAI online	COOMET Committee member, NIM
	20. Xiumei (Stella) ZHU online	National Secretariat in China, NIM
	21. Juan (Ada) CAI online	TC 4 member, NIM
	22. Shuxia (Lilia) XU online	TG-Doc member, NIM
CUBA	23. José ZALDÍVAR online	Representative of COOMET Committee member, National COOMET Secretariat in Cuba, INIMET
KYRGYZSTAN	24. Almazbek BAYALIEV	COOMET Committee member, KYRGYZSTANDART
	25. Aibek MUSAYEV	Deputy Director of KYRGYZSTANDART
	26. Elmira ABASBEKOVA	National Secretariat in Kyrgyzstan, KYRGYZSTANDART
	27. Marina DENISOVA	KYRGYZSTANDART

Representatives of national metrological institutions of COOMET member countries		
Country	Name	Status in COOMET, NMI
MOLDOVA	28. Alexei PIANIH online	COOMET Committee member, INM
RUSSIA	29. Evgeny LAZARENKO	COOMET Vice-President, COOMET Committee member, TC 5 Chair, TG-Doc Chair, Rosstandart
	30. Sergey DENISENKO	Director of VNIIMS
	31. Anton PRONIN	General Director of VNIIM
	32. Egor SOBINA	SC 1.8.3 Chair, Director of UNIIM- branch of VNIIM
	33. Sergey KOMISSAROV online	National Secretariat in Russia, VNIIMS
	34. Anna CHUNOVKINA	JCMS Chair, TC 1.1 Chair, VNIIM
	35. Nikita ZVIAGIN	JCMS Deputy Chair, VNIIM
	36. Natalia BURMISTROVA	JCMS Secretary, VNIIM
	37. Aleksandr ISAEV	Acting TC 1.2 Chair, VNIIFTRI
	38. Roman KORNEEV online	TC 1.4 Chair, VNIIR- branch of VNIIM
	39. Konstantin CHEKIRDA	TC 1.5 Chair, VNIIM
	40. Yuriy KUSTIKOV	Deputy Chair of TC 1.8, VNIIM
	41. Nikolay MOISEEV	TC 1.9 Chair, VNIIM
	42. Vitaliy PALCHIKOV online	TC 1.11 Chair, VNIIFTRI
	43. Igor NORETS online	Elected TC 1.11 Chair, VNIIFTRI
	44. Sergey MEDVEDEVSKIKH online	TC 1.12 Chair, VNIIM
	45. Dina CHEPURNAYA	Acting TC 3.1 Chair, VNIIFTRI
	46. Andrey PANKOV	TG-DigTr Chair, VNIIMS
47. Mikhail OKREPILOV	VNIIM	
48. Ekaterina KOZMINA online	SC 4.3 Chair, VNIIMS	
SLOVAKIA	49. Maroš KAMENSKÝ online	COOMET Committee member, SMU
TAJIKISTAN	50. Mansur SAFARZODA	COOMET Committee member, Tajikstandard
	51. Jurakhon RAHIMZODA	TC 1.1 member, Tajikstandard
TURKEY	52. Ramiz HAMID	Representative of COOMET Committee member, TUBITAK UME
UZBEKISTAN	53. Nuriddin RAIMZHONOV	Representative of COOMET Committee member, UzNIM
	54. Marat YUNUSOV	Acting TC 2 Chair, National Secretariat in Uzbekistan, UzNIM

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

BULGARIA	No reply to the invitation has been received
GERMANY	Limited participation: only in the Working Session of the Committee meeting without engaging in discussion
LITHUANIA	No invitation was sent owing to the notification of the termination of membership in COOMET
UKRAINE	No reply to the invitation has been received. A notification was received on 28.04.2023 of the termination of membership in COOMET

The requirements to a quorum at the Plenary Session were met (more than 50% of Committee members were present – 15 of 19).

Representatives of international and regional organizations		
IMO / RMO	Name	Status
BIPM	55. Chingis KUANBAEV	Head of CBKT and CIPM MRA support
OIML/BIML	56. Ian DUNMILL	BIML Assistant Director
APMP	57. Samyong WOO online	APMP Executive Secretary
GULFMET	58. Amina AL BASTAKI online	GULFMET President
	59. Omar S. KANAKRIEH online	GULFMET Secretary
EURAMET	60. Julien VUILLEMIN-TOLEDO OBSERVER online	EURAMET Member Service manager
SIM	61. Claudia SANTO online	SIM Executive Secretary
EASC	62. Vladimir CHERNYAK	EASC Executive Secretary

According to document COOMET D2/2021 "COOMET Rules of Procedure", paragraph 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 a meeting in a hybrid format (use of the Zoom platform for online participants), Zoom connection was arranged during the Working Session for Committee members or their official representatives who were physically present. Hence, each COOMET Committee member or their official representatives had a separate account in Zoom.

In this connection, anonymous closed voting was conducted among COOMET Committee members or their official representatives on items 6 to 8 of the agenda of the Working Session using the "Polling" function.

On the remaining agenda items of the Working Session, closed voting took place in the form of an oral survey.

The voting results under items 2 to 8 were summed up in view of subclause 4.8 of document COOMET D2/2021 and reflected in the Minutes.

Special Voting Rules were approved relating to item 9 of the Working Session agenda (see the meeting resolutions). The voting results are given in the meeting resolutions.

Closed voting was held on all items of the Plenary Session agenda in the form of an oral survey. The voting results were summed up in view of paragraph 4.8 of document COOMET D2/2021 and reflected in the meeting resolutions.

OUTCOMES

of the COOMET Committee meeting

WORKING SESSION (23 May 2023)

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**:

№	Issue	Speaker
1.	About new COOMET Committee members	V.Hurevich, COOMET President
2.	About the appointment of a new COOMET Vice-President responsible for cooperation with CEEMS <i>Based on the PC-34 Resolution</i>	
3.	About the termination of participation of the Ministry of the Economy and Innovation of the Republic of Lithuania* in COOMET activities (from 05.07.2023) <i>*as the legal successor of the signatory to the Memorandum (Lithuanian State Standardization Office), 1995. Based on the letter from the Ministry of the Economy and Innovation (ref. (26.16-61)-3-5307 of 20.12.2022), Action PC-33-5</i>	V.Hurevich, COOMET President
4.	About the termination of participation of the Ministry of Economy of Ukraine* in COOMET activities (from 19.10.2023) <i>* as the legal successor of the signatory to the Memorandum (State Committee of Ukraine on Standardization, Metrology and Certification (Gosstandart of Ukraine), 1992. Based on the letter from the Ministry of Economy (ref. № 3413-11/16180-07 of 12.04.2023), letter from the Embassy of Ukraine in the Republic of Belarus (ref. №6132/22-012-79 of 19.04.2023)</i>	
5.	Activities to improve the work of COOMET	
5.1.	Analysis of the implementation of the COOMET Strategy for 2020-2025 and program COOMET P1/2020 "COOMET Development Program for 2020-2022" <i>Based on the PC-34 Resolution</i>	V.Hurevich, COOMET President N.Liakhova, Head of COOMET Secretariat
5.2.	About the refinement of the names of Task F and TC 5. About identification of a new strategic task H "Digitalization in Metrology" <i>Based on the PC-34 Resolution</i>	
5.3.	Submission of the draft program COOMET P1/2023 "COOMET Development Program for 2023-2025" for approval (replacing COOMET P1/2020) <i>Based on the PC-34 Resolution</i>	
6.	About the terms of office of the Chairs of COOMET structural bodies and SCs. Establishment of COOMET bodies	
6.1.	About amendments to document COOMET D5.1 "Regulation on the Joint Committee for Measurement Standards (JCMS)" (replacing COOMET D5.1/2022) <i>Based on the PC-34 Resolution</i>	N.Liakhova, Head of COOMET Secretariat
6.2.	About the extension of the terms of office of the Chairs of CSBs: <ul style="list-style-type: none"> – TC 1.1 "General Metrology" (Anna Chunovkina, VNIIM, Russia); – TC 1.9 "Ionizing Radiation and Radioactivity" (Nikolay Moiseev, VNIIM, Russia) 	

№	Issue	Speaker
6.3.	About the appointment of new Chairs of CSBs and SCs: <ul style="list-style-type: none"> – Joint Committee for Measurement Standards (Nikita Zviagin, VNIIM, Russia); – TC 1.2 "Acoustics, Ultrasound, Vibration" (Aleksandr Isaev, VNIIFTRI, Russia); – TC 1.6 "Mass and Related Quantities", SC 1.6.2 "Force" (Ilya Shmigelskiy, VNIIM, Russia); – TC 1.11 "Time and Frequency" (Igor Norets, VNIIFTRI, Russia); – TC 2 "Legal Metrology" (Marat Yunusov, UzNIM, Uzbekistan); – TC 3.1 "Quality Forum Technical Committee" (Dina Chepurnaya, VNIIFTRI, Russia); – TC 1.6.1 " Mass " (Viktoriya Bogdanova, VNIIM, Russia); – SC 4.2 "COOMET Information Resources" (Ilya Krasavin, VNIIMS, Russia) 	
6.4.	Information about the changes in the membership of CSBs	
7.	About update of the membership of the COOMET Appeal Board on comparisons of national measurement standards and CMC data review <i>Based on Resolution PC-33-6</i>	<i>N.Liakhova, Head of COOMET Secretariat</i>
8.	About the distinguished title "Honorary Metrologist of COOMET"	
8.1	About amendments to document COOMET D7/2019 "Regulation on Awarding the Distinguished Title "Honorary Metrologist of COOMET"	<i>N.Liakhova, Head of COOMET Secretariat</i>
8.2	Approval of the resolutions on giving the distinguished title "Honorary Metrologist of COOMET" (awarding round of 2022) <i>Based on the PC-34 Action</i>	<i>V.Hurevich, COOMET President</i>
9.	Election of the COOMET President (term of office - from May 2024 to May 2027)	<i>COOMET Committee members or their official representatives</i>

RESULTS OF THE AGENDA ITEMS CONSIDERATION

Before the meeting, the Head of COOMET Secretariat Nadezhda Liakhova presented to the meeting participants proposals on the Voting Rules for agenda items of the COOMET Committee meeting, held in a hybrid format, and information about pre-consideration of the proposals by COOMET Committee members (the COOMET Secretariat received proposals on voting among physical participants using voting ballots).

After the discussion held, Committee members endorsed the Rules, providing for voting with the "Polling" feature of the Zoom platform on 6 to 9 agenda items among all voting participants, and in the form of an oral survey on the remaining agenda items ([Annex COOMET-34-WS/01](#)).

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 Bulgaria, Bosnia and Herzegovina, Kazakhstan and China in 2022-2023, and expressed his wishes for fruitful cooperation within COOMET.

2 ABOUT THE APPOINTMENT OF A NEW COOMET VICE-PRESIDENT RESPONSIBLE FOR COOPERATION WITH CEEMS

COOMET President Valery Hurevich suggested appointing the COOMET Committee member from Kazakhstan Gabit Mukhambetov the Vice-President responsible for cooperation with CEEMS.

The COOMET Committee unanimously endorsed the candidature and wished Gabit Mukhambetov efficient work with CEEMS and achievement of the set goals on developing cooperation.

3 ABOUT THE TERMINATION OF PARTICIPATION OF THE MINISTRY OF THE ECONOMY AND INNOVATION OF THE REPUBLIC OF LITHUANIA IN COOMET ACTIVITIES (FROM 05.07.2023)

COOMET President Valery Hurevich presented information to the meeting participants about a notification (ref.No (26.16-61)-3-5307 of 20.12.2022) received from the Ministry of the Economy and Innovation of the Republic of Lithuania, which is the legal successor of the signatory to the Memorandum of Understanding in 1995 (Lithuanian State Standardization Office), of the termination of participation in COOMET activities from 05.07.2023.

COOMET Committee members took note of the information.

4 ABOUT THE TERMINATION OF PARTICIPATION OF THE MINISTRY OF ECONOMY OF UKRAINE IN COOMET ACTIVITIES (FROM 19.10.2023)

COOMET President Valery Hurevich presented information to the meeting participants about notifications received from the Embassy of Ukraine in the Republic of Belarus (ref.No 6132/22-012-79 of 19.04.2023) and from the Ministry of Economy of Ukraine (ref. No 3413-11/16180-07 of 12.04.2023), which is the legal successor of the signatory to the Memorandum of

Understanding in 1992 (State Committee of Ukraine on Standardization, Metrology and Certification (Gosstandart of Ukraine), of the termination of participation in COOMET activities from 19.10.2023.

COOMET Committee members took note of the information.

5 ABOUT ACTIVITIES TO IMPROVE THE WORK OF COOMET

5.1 Analysis of the implementation of the COOMET Strategy for 2020-2025 and program COOMET P1/2020 "COOMET Development Program for 2020-2022"

COOMET President Valery Hurevich presented information to the meeting participants about the progress with the realization of the COOMET Strategy for 2020-2025 and drew the attention of Committee members to a number of problems related to the implementation of some COOMET strategic tasks (especially task F and G), Mission and Vision of COOMET due to the current geopolitical situation.

Head of COOMET Secretariat Nadezhda Liakhova presented information about the implementation of program COOMET P1/2020 "COOMET Development Program for 2020-2022" (see the working documents of the meeting). Nadezhda Liakhova noted that a number of unimplemented or not fully implemented actions of the program had been included in a draft new Development Program, which was submitted to the Committee under item 5.3 of the agenda of the Working Session.

5.2 About the refinement of the names of Strategic Task F and TC 5. About identification of a new strategic task H "Digitalization in Metrology"

COOMET President Valery Hurevich presented proposals on changing the name of Strategic Task F to "Conduct of research in the field of metrology" (the former name is "Organization of innovative scientific research in the field of metrology") and the name of TC 5 to "Prospective Research Areas" (the former name is "Innovative Research in Metrology"). The refinements were proposed by the COOMET Vice-President Evgeny Lazarenko at the 34th Presidential Council meeting in March 2023 (the reason is the lack of COOMET's own financial resources for fundamental innovative research).

Valery Hurevich also suggested identifying a new Strategic Task H "Digitalization in Metrology" (actions on its implementation will be presented under item 5.3 of the agenda of the Working Session).

A representative of the Russian delegation (Nikita Zviagin) proposed refining the name of Strategic Task H and rewording it as follows: "Digital Transformation in Metrology".

The COOMET Committee supported* by a majority of votes the proposals on the refinement of the names of Strategic Task F and TC 5 and setting of a new Strategic Task H, and requested the COOMET Secretariat to update the text of the COOMET Strategy for 2020-2025 and Roadmap for its implementation in view of the decisions made.

** Note: The COOMET Vice-President Frank Lienesch requested to note in the Minutes that Germany abstained from discussing the issue and voting on the proposed decisions.*

5.3 Submission of the draft program COOMET P1/2023 "COOMET Development Program for 2023-2025" for approval (replacing COOMET P1/2020)

Head of COOMET Secretariat Nadezhda Liakhova presented to the meeting participants a draft program COOMET P1/2023 "COOMET Development Program for 2023-2025" for review, where

the unimplemented or not fully implemented actions of program COOMET P1/2020 had been taken into account ([Annex COOMET-34-WS/02](#)).

The COOMET Committee approved* by a majority of votes program COOMET P1/2023 in the proposed version and requested the COOMET Secretariat to update the information on the COOMET information resources.

* *Note: The COOMET Vice-President Frank Lienesch requested to note in the Minutes that Germany abstained from discussing the issue and voting on the proposed decision. At the same time, he pointed out that generally in case of interest from the participants of cooperation within COOMET, PTB did not object to non-official translations of publicly available calibration guides of DKD, subject to notifying PTB and refraining from use of the DKD logo.*

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

6.1 About amendments to document COOMET D5.1 "Regulation on the Joint Committee for Measurement Standards (JCMS)" (replacing COOMET D5.1/2022)

Head of COOMET Secretariat Nadezhda Liakhova presented to the meeting participants an updated document COOMET D5.1 "Regulation on the COOMET Joint Committee for Measurement Standards (JCMS)" ([Annex COOMET-34-WS/03](#)). She reported that the changes related to refining the procedure for electing the JCMS Chair (along with JCMS members, the Deputy JCMS Chair can apply for that position).

The COOMET Committee approved* by a majority of votes the presented amendments to COOMET D5.1.

* *Note: The COOMET Vice-President Frank Lienesch requested to note in the Minutes that Germany abstained from discussing the issue and voting on the proposed decision.*

6.2 About the extension of the terms of office of CSB Chairs

Head of COOMET Secretariat Nadezhda Liakhova presented to Committee members for review the proposals received from:

- TC 1.1 "General Metrology" – on extending the term of office of the current Chair Anna Chunovkina (VNIIM, Russia);
- TC 1.9 "Ionizing Radiation and Radioactivity" - on extending the term of office of the current Chair Nikolay Moiseev (VNIIM, Russia).

The proposals were formulated based on the results of the voting held among TC 1.1 and TC 1.9 members respectively.

The voting results of the COOMET Committee, obtained using the Zoom platform (14 votes cast of 16 COOMET Committee members or their representatives present at the meeting, 2 uncast votes are regarded as "Abstain" votes):

Candidature - name (NMI, country)	FOR	AGAINST	ABSTAIN
Anna Chunovkina (VNIIM, Russia)	11	2	1
Nikolay Moiseev (VNIIM, Russia)	10	3	1

According to the results of the voting held, a decision was made to extend the terms of office of the TC 1.1 and TC 1.9 Chairs for 4 years (see the resolutions).

6.3 About the appointment of new Chairs of CSBs and SCs

Head of COOMET Secretariat Nadezhda Liakhova presented information about the results of the elections of new CSB and SC Chairs, held among members of the below mentioned CSBs (either directly at the meeting or in the form of e-voting by email):

- Joint Committee for Measurement Standards (JCMS);
- TC 1.2 "Acoustics, Ultrasound, Vibration";
- TC 1.6 "Mass and Related Quantities";
- TC 1.11 "Time and Frequency";
- TC 2 "Legal Metrology";
- TC 3.1 "Quality Forum Technical Committee";
- TC 1.6.1 "Mass", SC 1.6.2 "Force" (voting among TC 1.6 members);
- SC 4.2 "COOMET Information Resources" (voting among TC 4 members).

The voting results of the COOMET Committee, obtained using the Zoom platform (14 votes cast of 16 COOMET Committee members or their representatives present at the meeting, 2 uncast votes are regarded as "Abstain" votes):

Candidature - name (NMI, country)	FOR	AGAINST	ABSTAIN
Nikita Zviagin (VNIIM, Russia) appointment as the JCMS Chair	11	2	1
Aleksandr Isaev (VNIIFTRI, Russia) appointment as the TC 1.2 Chair	10	2	2
Ilya Shmigelskiy (VNIIM, Russia) appointment as the TC 1.6 Chair	11	2	1
Igor Norets (VNIIFTRI, Russia) appointment as the TC 1.11 Chair	10	3	1
Marat Yunusov (UzNIM, Uzbekistan) appointment as the TC 2 Chair	14	0	0
Dina Chepurnaya (VNIIFTRI, Russia) appointment as the TC 3.1 Chair	11	2	1
Viktoriya Bogdanova (VNIIM, Russia) appointment as the SC 1.6.1 Chair	11	2	1
Ilya Shmigelskiy (VNIIM, Russia) appointment as the SC 1.6.2 Chair	11	2	1
Ilya Krasavin (VNIIMS, Russia) appointment as the SC 4.2 Chair	10	2	2

According to the results of the voting held, a decision was made to appoint new Heads of the above CSBs and SCs for 4 years (see the resolutions).

The COOMET Committee expressed gratitude to Anna Chunovkina (Russia) for her personal contribution to COOMET activities during her office as the JCMS Chair during 2011-2023 and for the organization of effective cooperation within COOMET on the implementation of the Mutual Recognition Arrangement (CIPM MRA) and other tasks of the JCMS.

The COOMET Committee also extended their gratitude to the former Chairs of TC 1.2, TC 1.6, TC 1.11, TC2, TC 3.1, SC 1.6.1, SC 1.6.2, SC 4.2 for their personal contribution to COOMET activities during their offices and for the organization of cooperation within COOMET in the assigned subject fields.

6.4 Information about the changes in the membership of CSBs

Head of COOMET Secretariat Nadezhda Liakhova presented information about the current membership of CSBs (Annex COOMET-31-WS/04), compiled by the Secretariat based on the data provided by COOMET Committee members.

The COOMET Committee approved* by a majority of votes the new memberships of all COOMET structural bodies.

* Note: The COOMET Vice-President Frank Lienesch requested to note in the Minutes that Germany abstained from discussing the issue and voting on the proposed decision.

7 ABOUT UPDATE OF THE MEMBERSHIP OF THE COOMET APPEAL BOARD ON COMPARISONS OF NATIONAL MEASUREMENT STANDARDS AND CMC DATA REVIEW

Head of COOMET Secretariat Nadezhda Liakhova presented to the meeting participants proposals of the Joint Committee for Measurement Standards, endorsed by the Presidential Council, on the update of the membership of the COOMET Appeal Board on comparisons of national measurement standards and CMC review.

The voting results of the COOMET Committee, obtained using the Zoom platform (12 votes cast of 16 COOMET Committee members or their representatives present at the meeting, 4 uncast votes are regarded as "Abstain" votes):

Candidature - name (NMI, country)	FOR	AGAINST	ABSTAIN
Lazizbek Saidoripov (UzNIM, Uzbekistan) Chair	12	0	2
Anna Chunovkina (VNIIM, Russia) Member	10	1	3
Bauyrzhan Mukhamedzhanov (KazStandard, Kazakhstan) Member	12	0	2

According to the results of the voting held, a decision was made to approve the new membership of the COOMET Appeal Board on comparisons of national measurement standards and CMC review (see the resolutions).

8 ABOUT THE DISTINGUISHED TITLE "HONORARY METROLOGIST OF COOMET" (awarding round of 2022)

8.1 About amendments to document COOMET D7/2019 "Regulation on Awarding the Distinguished Title "Honorary Metrologist of COOMET"

Head of COOMET Secretariat Nadezhda Liakhova informed the meeting participants that due to the exhaustion of the batch of badges of honor "Honorary Metrologist of COOMET", earlier manufactured in Ukraine, the Russian Federation manufactured in 2022 a new batch of badges (according to the refined image, conditioned by the restrictions of the selected manufacturing technology).

Nadezhda Liakhova also presented proposals on making amendments to document COOMET D7/2019 "Regulation on Awarding the Distinguished Title "Honorary Metrologist of COOMET" in view of the Presidential Council's proposal to increase the number of candidates from countries to be given the distinguished title "Honorary Metrologist of COOMET" to three persons within one awarding round in case of celebration of significant dates related to the development of metrology at the national level (for example, anniversary of establishment of a national

metrological institution or anniversaries of establishment of the country's metrological service). Some other editorial changes (in terms of nominating candidates and awarding) were also made, and a refined image of the badge was given.

The voting results of the COOMET Committee, obtained using the Zoom platform (15 votes cast of 16 COOMET Committee members or their representatives present at the meeting, 1 uncast vote is regarded as an "Abstain" vote):

FOR - 13

AGAINST - 0

ABSTAIN - 2

The Committee approved by a majority of votes the refined image of the badge of honor and approved the updated document COOMET D7/2019 "Regulation on Awarding the Distinguished Title "Honorary Metrologist of COOMET" ([Annex COOMET-34-WS/05](#)).

8.2 Approval of the resolutions on giving the distinguished title "Honorary Metrologist of COOMET" (awarding round of 2022)

COOMET President Valery Hurevich reported that voting took place at the 34th Presidential Council meeting (on 13 to 14 March 2023) on the candidates for giving the distinguished title "Honorary Metrologist of COOMET". The applications on each candidate are given in the working documents of the COOMET Committee meeting.

Nadezhda Liakhova stated that the candidature of the representative of Moldova, given in the working documents, was withdrawn by the COOMET Committee member from Moldova ahead of the meeting (letter No 230522_145 of 22.05.2023).

The voting results of the Presidential Council are positive for each of the 7 candidates submitted to the COOMET Committee (voting on the candidates from Kazakhstan was conducted in view of new provisions of the updated document COOMET D7 – see 8.1 of these Minutes).

The voting results of the COOMET Committee, obtained using the Zoom platform (14 votes cast of 16 COOMET Committee members or their representatives present at the meeting, 2 uncast votes are regarded as "Abstain" votes):

Candidature - name (NMI, country)	FOR	AGAINST	ABSTAIN
Garik Martirosyan (NBSM, Armenia)	12 (13)	0	2
Tamilla Shabiyeva (AzMi, Azerbaijan)	14 (15)	0	0
Vadim Popko (BelGIM, Belarus)	12 (13)	0	2
Meirtas Zhamanbalin (Karaganda branch of RSE "KazStandard", Kazakhstan)	14 (15)	0	0
Ulan Moldaganapov (West Kazakhstan branch of RSE "KazStandard", Kazakhstan)	14 (15)	0	0
Gulzhan Tleshova (RSE "KazStandard", Kazakhstan)	14 (15)	0	0
Konstantin Chekirda (VNIIM, Russia)	12 (13)	0	2

Note: given some technical failure that Kyrgyzstan experienced during polling via Zoom, an oral notice was provided that the COOMET Committee member from Kyrgyzstan voted FOR all the candidates (the final result of the voting in column "FOR" is given in the brackets).

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

The awarding of diplomas on giving the distinguished title and badges of honor took place in a solemn ceremony on 25 May 2023 during the International scientific and practical conference dedicated to the 100th anniversary of metrology in Kazakhstan "Measurements as the basis of global trust".

9 ABOUT ELECTION OF THE COOMET PRESIDENT (term of office - from May 2024 to May 2027)

According to Section 5, clauses 2 and 7 of document COOMET D1/2022 "Memorandum of Understanding", and the adopted Voting Rules ([Annex COOMET-34-WS/01](#)), election of the next COOMET President were held involving two candidates:

- Gabit Mukhambetov (KazStandard, Kazakhstan);
- Evgeny Lazarenko (Rosstandart, Russia).

Each candidate presented a short vision of further development of the organization.

The COOMET Committee approved the following membership of the Counting Board for the election of the COOMET President:

- Chair: Marat Yunusov (Uzbekistan);
- Member: Nikita Zviagin (Russia);
- Member: Ainur Rakhadinova (Kazakhstan).

Closed secret voting took place using the "Polling" feature of the Zoom platform among the COOMET Committee members or their official representatives present at the meeting and representing the following countries: Azerbaijan, Armenia, Belarus, Bosnia and Herzegovina, Germany, Georgia, Kazakhstan, China, Cuba, Kyrgyzstan, Moldova, Russia, Slovakia, Tajikistan, Turkey, Uzbekistan.

The COOMET Secretariat acted as a technical organizer of the voting on the Zoom platform. The voting procedure was launched, completed and the results displayed on the screens of the voting participants in the presence of the Counting Board members.

Voting results (16 votes cast of 16 COOMET Committee members or their representatives present at the meeting):

- Gabit Mukhambetov (Kazakhstan) – 11 votes;
- Evgeny Lazarenko (Russia) – 5 votes.

The election was recognized as valid, and Gabit Mukhambetov (Kazakhstan) is considered the elected COOMET President for the period from May 2024 to May 2027.

COOMET President Valery Hurevich and meeting participants congratulated Gabit Mukhambetov on being elected to that position.

THE AGREED RESOLUTIONS ARE ATTACHED TO THESE MINUTES.

PLENARY SESSION (23 to 24 May 2023)

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 having accepted 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 (23 May 2023)	<i>N.Liakhova, Head of COOMET Secretariat</i>
2.	About implementation of the resolutions of the 33rd COOMET Committee meeting	<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 2022-2023 (in terms of CMCs and comparisons)	
5.1.	About the results of the 46 th JCRB meeting	<i>V.Hurevich, COOMET President</i>
5.2.	About the implementation and update of program COOMET P6/2021 "COOMET Roadmap for the Implementation of Decisions Related to Redefinition of the Basic Units of the International System of Units (SI) 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 (RMs) production in 2022-2023: (1) presentation of a new concept on COOMET RM approval; (2) submission of recommendation COOMET R/RM/4:2023 "Procedure of Joint Development, Recognition and Registration of Reference Materials within COOMET" for approval (with the title refined, replacing COOMET R/RM/4:2008, COOMET project 857/RU/22); (3) about update of information material COOMET/I/RM/2:2023 "Register of Certified Reference Materials of Composition and Properties of Substances and Materials, Developed within COOMET" (refinement of the timeframes for 4 COOMET RM types)	<i>A.Chunovkina, Chair of JCMS S.Medvedevskikh TC 1.12 Chair</i>

No	Issue	Speaker
6.	COOMET activities in the field of peer reviews of the QMS of COOMET NMIs/DIs in 2022-2023	
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 2022-2023; (2) the schedule of peer reviews for 2023-2024.	<i>N.Mikanadze, COOMET Vice-President, QF Chair, Dina Chepurnaya, Chair of TC 3.1</i>
7.	Information about the activities of international metrology organizations:	<i>Official representatives:</i>
7.1.	<i>BIPM</i>	<i>C. Kuanbayev, BIPM</i>
7.2.	<i>OIML/BIML</i>	<i>I. Dunmill, BIML Assistant Director</i>
8.	COOMET activities in the field of legal metrology in 2022-2023	
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>M.Yunusov, Chair of TC 2</i>
9.	COOMET activities in the field of information and training in 2022-2023	
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 TC 4 Chair</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 proposals on prospective research in metrology	<i>E.Lazarenko, COOMET Vice-President, TC 5 Chair</i>
12.	About the activities of the COOMET Task Group for Digital Transformation in Metrology (TG-DigTr) and draft COOMET Concept for the issues of digital transformation in metrology and a Roadmap for its implementation <i>Based on RESOLUTION 33W-4, Resolution PC-34 & Action PC-34</i>	<i>Andrey Pankov, TG-DigTr Chair</i>
13.	About the activities of the COOMET Task Group for CEEMS support (TG-CEEMS) <i>Based on RESOLUTION 33W-10, Resolution PC-34 & Action PC-34</i>	<i>G.Mukhambetov COOMET Vice-President</i>
14.	About COOMET publications	
14.1.	Submission of the COOMET publications, prepared and updated in 2022-2023, for approval (in addition to item 4.2 of the Working Session and items 5.2 and 5.4 of the Plenary Session) – document COOMET D5.17/2023 "Regulation on the COOMET Appeal Board on comparisons of national measurement standards and CMC review" (replacing COOMET D5.17/2016); – recommendation COOMET R/TR/XX:2023 "Rules for creation, approval and update of COOMET courses on the BIPM e-learning platform. Monitoring and satisfaction assessment for participation in COOMET courses" (new); – recommendation COOMET R/TR/27:2023 "Procedure for preparing certificates issued based on the results of trainings within COOMET" (with the title and subject field refined, replacing COOMET R/IT/27:2015, COOMET project 861/BY/22).	<i>N.Liakhova, Head of COOMET Secretariat</i>

No	Issue	Speaker
14.2.	About the cancellation of the COOMET publications: <ul style="list-style-type: none"> – recommendation COOMET R/TF/2:1995 "Interstate Hierarchical Chain for Time and Frequency Measuring Instruments, prepared under project 16/RU-a/92; – recommendation COOMET R/TF/3:1995 "Requirements to Time and Frequency Measuring Equipment Produced by the COOMET Member Countries Required for Mutual Recognition of the Results of National Metrological Verifications and Certifications", prepared under project 16/RU-a/92 Based on the resolution of TC 1.1	
15.	Information about the activities of regional organizations	<i>Official representatives</i>
	<i>APMP</i>	<i>S. Woo APMP Executive Secretary</i>
	<i>GULFMET</i>	<i>A. Al Bastaki, GULFMET President</i>
	<i>SIM</i>	<i>Claudia Santo, SIM Executive Secretariat</i>
	<i>EASC</i>	<i>V. Chernyak, EASC Executive Secretary</i>
16.	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 representatives</i>
17.	About the venue and date of the next COOMET Committee meeting	<i>V. Hurevich, COOMET President</i>
18.	Miscellaneous issues	

RESULTS OF THE AGENDA ITEMS CONSIDERATION

1 ABOUT THE RESOLUTIONS OF THE WORKING SESSION (23 May 2023)

Head of COOMET Secretariat Nadezhda Liakhova informed the participants of the Plenary Session of the COOMET Committee meeting about the resolutions adopted at the Working session of the meeting (see the resolutions of the Working Session).

COOMET President Valery Hurevich congratulated Gabit Mukhambetov on behalf of the COOMET Committee on his election as the next COOMET President and wished him every success, determination, wisdom and balanced decisions within COOMET.

Valery Hurevich also congratulated the new Chairs of JCMS, TC 1.2, TC 1.6, TC 1.11, TC 2 and TC 3.1 on their appointment and wished them fruitful work throughout their terms of office.

2 ABOUT IMPLEMENTATION OF THE RESOLUTIONS OF THE 33RD COOMET COMMITTEE MEETING

Head of COOMET Secretariat Nadezhda Liakhova informed the meeting participants about the implementation of the resolutions of the 33rd COOMET Committee meeting (held on 25 to 27 October 2023); the resolutions under implementation are controlled by the COOMET Secretariat.

She also reported that the Minutes of the 33rd COOMET Committee meeting had been agreed by COOMET Committee members and published on the COOMET web resources (all proposals and comments on the draft, received by the Secretariat, were taken into account in the final version).

In their turn, COOMET Committee members supported the initiative of the Presidential Council to continue in 2023 discussion on the possible contribution from countries to COOMET activities and other proposals on options to enhance cooperation if the status quo is maintained (in view of Annex COOMET-33-WS/03 to the Minutes of the 33rd COOMET Committee meeting) as an alternative to suspending the activities of the WG for Strategy.

3 REPORT OF COOMET PRESIDENT

COOMET President Valery Hurevich presented to the meeting participants a report on COOMET activities ([Annex COOMET-34-PS/01](#)), where he summed up the main results for 2022-2023, and formulated the main decisions proposed to the COOMET Committee for adoption at that meeting, and also highlighted the major challenges and long-term tasks facing COOMET in the nearest future.

Valery Hurevich once again stated that the number of full COOMET members would decrease in 2023, owing to the notifications, received from the Ministry of the Economy and Innovations of the Republic of Lithuania and from the Ministry of Economy of Ukraine, of the termination of participation in COOMET activities. Thus, the total number of COOMET members will be 17.

Despite the geopolitical events happening in the COOMET region that directly affect the activities of COOMET in general and the activities of all structural bodies, the COOMET President appealed to all participants of cooperation to make every effort to keep functioning of COOMET as a regional metrology organization and regional legal metrology organization.

4 ANNUAL REPORT ON THE ACTIVITIES OF COOMET

Head of COOMET Secretariat Nadezhda Liakhova presented to the meeting participants an Annual Report on the COOMET activities for the period from 1 January 2022 to 15 April 2023, prepared in view of the reports of COOMET structural bodies ([Annex COOMET-34-PS/02](#)).

5 COOMET ACTIVITIES IN THE FIELD OF MEASUREMENT STANDARDS, INCLUDING THE ISSUES OF THE CIPM MRA IMPLEMENTATION (IN TERMS OF CMCS AND COMPARISONS), IN 2022-2023

5.1 About the results of the 46th JCRB meeting

Valery Hurevich presented to the meeting participants information about the results of the 46th JCRB meeting ([Annex COOMET-34-PS/03](#)).

Valery Hurevich drew the attention of the meeting participants to Recommendation JCRB/46-1 (2023) on using a unique and persistent identifier (contained in the KCDB) for each CMC (and each version of a CMC) by all participating NMIs/DIs (for example in their quality documentation). To date all CSBs have been informed about that decision, and further actions will be taken by NMIs/DIs after further clarifications from the JCRB.

Valery Hurevich also told about the BIPM initiative to organize a “Young metrologists’ 2050+ vision” foresighting exercise that would be held with the involvement of all RMOs. Nikita Zviagin (Russia) and Gulaikhan Suyebayeva (Kazakhstan) were nominated as coordinators from COOMET.

COOMET President requested all COOMET Committee members and Directors of NMIs of COOMET member countries to facilitate participation of representatives of their institutes in the above mentioned foresighting exercise.

Valery Hurevich also informed the COOMET Committee about the transfer of the activities of the NMIs/DIs of Georgia and Ukraine on the implementation of the CIPM Mutual Recognition Arrangements to EURAMET from 01.02.2023.

5.2 About the implementation and update of program COOMET P6/2021 "COOMET Roadmap for Implementation of the Decisions Related to Redefinition of the Basic Units of the International System of Units (SI) for 2020–2025"

Anna Chunovkina, as the JCMS Chair until that Committee meeting, presented to the meeting participants information about the implementation and update of program COOMET P6/2021.

Committee members endorsed the updated program COOMET P6/2023 "COOMET Roadmap for Implementation of the Decisions Related to Redefinition of the Basic Units of the International System of Units (SI) for 2020–2025" ([Annex COOMET-34-PS/04](#)).

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

Anna Chunovkina presented to the meeting participants an Annual Report on the activities of the JCMS for 2022-2023 ([Annex COOMET-34-PS/05](#)), 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 and challenges related to the conduct of comparisons of measurement standards of COOMET member countries; and a brief analysis of the TC 1.1 – TC 1.12 activities.

The COOMET Committee endorsed the COOMET Presidential Council's proposals on the algorithm of possible actions to complete long-lasting COOMET comparisons ([Annex COOMET-34-PS/06](#)). The meeting participants discussed difficulties that arise when conducting comparisons of measurement standards in COOMET member countries. It was agreed that it would be appropriate to expedite the work on completing comparisons, for which the final reports have not been published in the KCDB, by the NMIs that are pilots of the COOMET comparisons.

The COOMET Vice-President Evgeny Lazarenko suggested cancelling those COOMET comparisons in the KCDB that do not have final reports and can hardly be used for the support of CMCs due to the statute of limitations. Chingis Kuanbaev, as the BIPM representative, noted that the policy of the KCDB office meant that all registered comparisons that could be completed should have official reports, even if the deadlines had been missed long ago.

The Chair of TC 1.3 "Electricity and Magnetism" Marina Yarmolovich also expressed the opinion that the publication of final reports was appropriate, even with significant delay, since otherwise that would actually be the loss of the results of the work done, both on the part of the piloting NMI and on the part of the CSB.

Nadezhda Liakhova noted that sometimes comparisons cannot be completed owing to the absence of final approval from the corresponding Working Groups of Consultative Committees (CC), responsible for the review of reports, due to the heavy workload of experts. The problem is also connected with the limited participation of representatives from COOMET NMIs in the activities of CCs, which leads to uneven load on CC experts and increased amount of work for specialists responsible for the review of COOMET reports on comparisons (see also item 7 of these Minutes).

Following the discussion, the COOMET Committee considered it appropriate that the Chairs of TC 1.2 – TC 1.11 in conjunction with the NMIs, piloting the comparisons that are controlled by the JCMS and JCRB, should analyze the possibility of and need for applying the algorithms of possible actions to complete long-lasting COOMET comparisons ([see Annex COOMET-34-PS/06](#)). The results should be submitted to the JCMS, and the compiled results – to the Presidential Council for discussion and adoption of recommendations on the cancellation of comparisons not having prospects to be officially completed in the KCDB, as required.

5.4 About COOMET activities in the field of reference materials in 2022-2023

At the request of the TC 1.12 "Reference Materials" Chair Sergey Medvedevskikh who participated online, the proposals on a new concept for the approval of COOMET CRMs were presented by Egor Sobina, Director of UNIIM – branch of VNIIM.

The COOMET Committee endorsed the concept ([Annex COOMET-34-PS/07](#)) and requested TC 1.12 to take its approaches into account in updating COOMET publications on reference materials.

The COOMET Committee approved recommendation COOMET R/RM/4:2023 "Procedure for Joint Development, Approval and Registration of Certified Reference Materials within COOMET" ([Annex COOMET-34-PS/08](#)), updated in view of the presented new concept for the approval of COOMET CRMs, as well as updated information material COOMET I/RM/2:2023 "Register of Certified Reference Materials of Composition and Properties of Substances and Materials, Developed within COOMET" ([Annex COOMET-34-PS/09](#)) where the timespans were updated for some COOMET CRMs.

6 COOMET ACTIVITIES IN THE FIELD OF PEER REVIEWS OF THE QMS OF COOMET NMIS/DIS IN 2022-2023

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

The Quality Forum Chair Nino Mikanadze presented to the meeting participants information about the activities of the Quality Forum and TC 3.1 "Quality Forum Technical Committee", as well as results of the peer reviews of the QMS of NMIs/DIs of COOMET member countries in 2022-2023 ([Annex COOMET-34-PS/10](#) and the corresponding presentation). Nino Mikanadze also highlighted that no peer reviews would be conducted for the NMIs/DIs of Georgia and Ukraine within COOMET owing to the transfer of their activities on the implementation of the CIPM MRA to EURAMET. For that reason, only peer reviews of the NMIs/DIs of the Republic of Cuba are included in the schedule of peer reviews, however, it will be appropriate to conduct them only when their participation in the CIPM MRA is resumed.

The COOMET Committee recommended to the Republic of Cuba to reinstate the status of a CGPM Associate or to join the Metre Convention (since the contributions are now compatible) as soon as possible, which would allow to resume participate in the implementation of the CIPM MRA. The representative of the COOMET Committee member from Cuba José Zaldívar said that the issue was being dealt with at the level of the country's government.

7 INFORMATION ABOUT THE ACTIVITIES OF INTERNATIONAL METROLOGY ORGANIZATIONS

Under that item of the agenda a BIPM international relations specialist Chingis Kuanbaev (on behalf of the BIPM Director Martin Milton) and the BIML Assistant Director Ian Dunmill (on behalf of the BIML Director Anthony Donnellan) gave their presentations on the activities of the mentioned organizations ([Annex COOMET-34-PS/11](#), [Annex COOMET-34-PS/12](#)).

Discussion took place regarding the participation of NMIs of COOMET member countries in the CIPM Consultative Committees (currently representation of COOMET NMIs is not very active).

The COOMET Committee called on the NMIs of the Metre Convention member countries to intensify work on joining the activities of CIPM Consultative Committees in accordance with the established rules and procedures.

8 COOMET ACTIVITIES IN THE FIELD OF LEGAL METROLOGY IN 2022-2023

8.1 Report on the activities of TC2 "Legal Metrology"

The TC 2 Chair Marat Yunusov presented to the meeting participants a report on the activities of TC 2 "Legal Metrology", including information about the implementation of the Work Program of TC 2 (COOMET P3/2021) for 2021-2023 ([Annex COOMET-34-PS/13](#)).

The COOMET Committee endorsed the TC 2 activities.

9 COOMET ACTIVITIES IN THE FIELD OF INFORMATION AND TRAINING IN 2022-2023

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

The Acting TC 4 Chair, Head of COOMET Secretariat Nadezhda Liakhova presented to the meeting participants an Annual Report on the activities of TC 4 "Information and Training", including information about the implementation of the Work Program of TC 4 for 2021-2023 (Annex COOMET-34-PS/14).

The COOMET Committee endorsed the TC 4 activities and noted the importance of the implementation of the Practical Arrangement between the BIPM and COOMET on cooperation in delivering capacity building and knowledge transfer activities using the BIPM e-learning platform, and requested CSB Chairs to intensify work on the creation of COOMET courses for the platform.

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

The COOMET Vice-President Evgeny Lazarenko presented to the meeting participants information about the preparations for the X International competition "Best Young Metrologist of COOMET" that would take place on 14 June 2023 in a hybrid format (Yekaterinburg, Russia & online). To date applications had been submitted from 16 young specialists from COOMET NMIs (Armenia, Belarus, Kazakhstan, Russia, Uzbekistan).

11 ABOUT PROPOSALS ON PROSPECTIVE RESEARCH IN METROLOGY

The COOMET Vice-President, TC 5 "Prospective Research Areas" Chair Evgeny Lazarenko informed the meeting participants about preliminary proposals on the organization of prospective research in metrology under the auspices of TC 5 (it is suggested primarily that efforts should be concentrated on the implementation of scientific projects involving NMIs of COOMET member countries related to the redefined SI units).

The COOMET Committee member from Armenia Kamo Movsisyan voiced a proposal on the organization of a regional research center under the auspices of COOMET in Aragats, Armenia. A short video was presented about the scientific center that was also sent to all Committee members. The meeting participants noted that the issue required further elaboration.

The COOMET Committee recommended to the TC 5 Chair to organize in 2023 discussion of proposals on prospective research in metrology within TC 5.

12 ABOUT THE ACTIVITIES OF THE COOMET TASK GROUP FOR DIGITAL TRANSFORMATION IN METROLOGY (TG-DigTR) AND DRAFT COOMET CONCEPT FOR THE ISSUES OF DIGITAL TRANSFORMATION IN METROLOGY AND A ROADMAP FOR ITS IMPLEMENTATION

The TG-DigTr Chair Andrey Pankov presented to the meeting participants information about the activities of the group, and a draft COOMET Concept for the Issues of Digital Transformation in Metrology and the Roadmap for its implementation. Andrey Pankov drew the attention of the meeting participants to the commencement of work on the creation of a COOMET digital platform as part of the program actions of the above concept.

The COOMET Committee endorsed the COOMET Concept for the Issues of Digital Transformation in Metrology and the Roadmap for its implementation as a program COOMET

P7/2023 ([Annex COOMET-34-PS/15](#)) and requested the TG-DigTr Chair to inform about the implementation of the Program at annual COOMET Committee meetings.

COOMET Committee members considered it appropriate to plan a thematic seminar within COOMET in 2024 on the issues of digital transformation in metrology, inter alia to discuss the first results of the implementation of COOMET P7/2023.

13 ABOUT THE ACTIVITIES OF THE COOMET TASK GROUP FOR CEEMS SUPPORT (TG-CEEMS)

The COOMET President Elect, Vice-President Gabit Mukhambetov presented to the meeting participants information about the activities of the TG-CEEMS. He highlighted that it was planned to organize a group meeting in August-September of the current year to discuss a draft COOMET Program of assistance to CEEMS for 2023-2025. The COOMET Committee supported the proposal.

14 ABOUT COOMET PUBLICATIONS

14.1 Submission of the COOMET publications, prepared and updated in 2022-2023, for approval

Head of COOMET Secretariat Nadezhda Liakhova presented information about the COOMET publications, prepared and updated by COOMET structural bodies in 2022-2023.

During the voting, the COOMET Committee approved the following publications:

- document COOMET D5.17/2023 "Regulation on the COOMET Appeal Board on comparisons of national measurement standards and CMC review" (replacing COOMET D5.17/2016) ([Annex COOMET-34-PS/16](#));
- recommendation COOMET R/TR/36:2023 "Rules for creation, approval and update of COOMET courses on the BIPM e-learning platform. Monitoring and satisfaction assessment for participation in COOMET courses" ([Annex COOMET-34-PS/17](#));
- recommendation COOMET R/TR/27:2023 "Procedure for preparing certificates issued based on the results of trainings within COOMET" (with the title and subject field refined, replacing COOMET R/IT/27:2015 ([Annex COOMET-34-PS/18](#))).

The COOMET Secretariat will make the publications available on the COOMET information resources.

14.2 About the cancellation of COOMET publications

The COOMET Committee endorsed the proposals of TC 1.11 "Time and Frequency" on the cancellation of two COOMET publications, namely:

- recommendation COOMET R/TF/2:1995 "Interstate Hierarchical Chain for Time and Frequency Measuring Instruments", prepared under project 16/RU-a/92;
- recommendation COOMET R/TF/3:1995 "Requirements to Time and Frequency Measuring Equipment Produced by the COOMET Member Countries Required for Mutual Recognition of the Results of National Metrological Verifications and Certifications", prepared under project 16/RU-a/92.

The COOMET Committee requested the COOMET Secretariat to update the information on the COOMET web resources.

15 INFORMATION ABOUT THE ACTIVITIES OF REGIONAL ORGANIZATIONS

Under this item of the agenda representatives of regional organizations - APMP (Samyong Woo, APMP Executive Secretary), GULFMET (Amina Al Bastaki, GULFMET President), SIM (Claudia Santo, SIM Executive Secretariat), EASC (Vladimir Chernyak, EASC Executive Secretary) - gave presentations on the activities of their organizations (Annex COOMET-34-PS/19, Annex COOMET-34-PS/20, Annex COOMET-34-PS/21, Annex COOMET-34-PS/22 respectively).

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

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

The presentations, delivered during the meeting, can be found here:

<https://www.coomet.net/activities/coomet-committee-meetings/34th-coomet-committee-meeting/>

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

Valery Hurevich thanked Lazizbek Saidoripov, COOMET Committee member from Uzbekistan, for the invitation to hold the 35th COOMET Committee meeting in June 2024 in Uzbekistan. The COOMET Secretariat will inform the participants of cooperation, as well as representatives of international and regional organizations about the exact dates and venue of the meeting in accordance with the established procedure.

Kamo Movsisyan, COOMET Committee member from Armenia, informed the meeting participants about the invitation to hold the 36th COOMET Committee meeting in 2025 in Armenia (in the absence of border crossing restrictions). Valery Hurevich expressed gratitude for the proposal on behalf of the COOMET Committee.

18 MISCELLANEOUS ISSUES

The COOMET Vice-President Evgeny Lazarenko invited the meeting participants to the scientific and practical conference of COOMET on the relevant issues of metrology in 2024 offline in the Russian Federation (in the absence of restrictions on international travel). The proposal on holding the conference was initiated by the NIM of China.

The COOMET Committee took note of the invitation. The decision on the date and venue of the conference will be made at the Presidential Council meeting in November 2023.

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, the COOMET Secretariat and organizers for the high-level meeting prepared and held.

The meeting participants also thanked all specialists of KazStandard for their hospitality and perfect arrangement of the event.

RESOLUTIONS OF THE 34TH COOMET COMMITTEE MEETING

WORKING SESSION

Agenda item	Resolution number	Content
1	2	3
	RESOLUTION 34W-1	To approve the Voting Rules for the agenda items of the 34 th COOMET Committee meeting (held in a hybrid format), including the procedure for electing the next COOMET President: COOMET-34-WS/01 .
1		About new COOMET Committee members
	RESOLUTION 34W-2	To take note of the information about the appointment of new COOMET Committee members (after the 33 rd COOMET Committee meeting): Bulgaria: Paun ILCHEV (BIM); Bosnia and Herzegovina: Milica RISTOVIĆ KRSTIĆ (IMBIH); Kazakhstan: Gabit MUKHAMBETOV (RSE "KazStandard"); China: Xinhua DAI (NIM).
2		About the appointment of a new COOMET Vice-President responsible for cooperation with CEEMS
	RESOLUTION 34W-3	To endorse the candidature of the COOMET Committee member from Kazakhstan Gabit MUKHAMBETOV as the Vice-President responsible for cooperation with CEEMS.
3		About the termination of participation of the Ministry of the Economy and Innovation of the Republic of Lithuania in COOMET activities (from 05.07.2023)
	RESOLUTION 34W-4	To take note of the decision of the COOMET member – Ministry of the Economy and Innovation of the Republic of Lithuania as the legal successor of the signatory to the COOMET Memorandum of Understanding in 1995 (Lithuanian State Standardization Office) - about the termination of participation in COOMET activities from 05.07.2023. <i>Basis:</i> 1) section 10, paragraph 3 of COOMET D2/2022 "COOMET Rules of Procedure"; 2) letter from the Ministry of the Economy and Innovation of the Republic of Lithuania (ref. № (26.16-61)-3-5307 of 20.12.2022).
4		About the termination of participation of the Ministry of Economy of Ukraine in COOMET activities (from 19.10.2023)
	RESOLUTION 34W-5	To take note of the decision of the COOMET member - the Ministry of Economy of Ukraine, as the legal successor of the signatory to the COOMET Memorandum of Understanding in 1992 (State Committee of Ukraine on Standardization, Metrology and Certification (Gosstandart of Ukraine) - about the termination of participation in COOMET activities from 19.10.2023. <i>Basis:</i> 1) section 10, paragraph 3 of COOMET D2/2022 "COOMET Rules of Procedure"; 2) letter from the Ministry of Economy of Ukraine (ref. № 3413-11/16180-07 of 12.04.2023) and letter from the Embassy of Ukraine in the Republic of Belarus (ref. №6132/22-012-79 of 19.04.2023).
5		Activities to improve the work of COOMET
5.1	RESOLUTION 34W-6	To take note of the information about the progress with the realization of the COOMET Strategy for 2020-2025 and implementation of COOMET P1/2020 "COOMET Development Program for 2020-2022" and to note the problems with the implementation of some COOMET strategic tasks, Mission and Vision of COOMET.
5.2	RESOLUTION 34W-7	To approve the new name of Strategic Task F "Conduct of research in the field of metrology".
	RESOLUTION 34W-8	To approve the new Strategic Task H "Digital Transformation in Metrology".

	RESOLUTION 34W-9	To approve the new name of TC 5 "Prospective Research Areas".
	RESOLUTION 34W-10	To request the TC 5 Chair Evgeny Lazarenko to organize preparation of a Regulation on TC 5 and submit it to the COOMET Committee for approval in 2024.
5.3	RESOLUTION 34W-11	To approve program COOMET P1/2023 "COOMET Development Program for 2023-2025" (replacing COOMET P1/2020): COOMET-34-WS/02 .
	RESOLUTION 34W-12	To request the COOMET Secretariat to update the text of the COOMET Strategy for 2020-2025 and Roadmap for its implementation in view of Resolution 34W-7 , Resolution 34W-8 and to submit them to the COOMET Presidential Council for endorsement in November 2023.
6		About the terms of office of the Chairs of COOMET structural bodies and SCs. Establishment of COOMET bodies
6.1	RESOLUTION 34W-13	To approve the updated document COOMET D5.1/2023 "Regulation on the COOMET Joint Committee for Measurement Standards (JCMS)" (replacing COOMET D5.1/2022): COOMET-34-WS/03 .
6.2	RESOLUTION 34W-14	To extend the term of office of the Chair of TC 1.1 "General Metrology" Anna CHUNOVKINA (VNIIM, Russia) for 4 years (until May 2027). This is her maximum possible term of office as the TC 1.1 Chair (based on section 5, paragraph 12 of COOMET D1/2022).
	RESOLUTION 34W-15	To extend the term of office of the Chair of TC 1.9 "Ionizing Radiation and Radioactivity" Nikolay MOISEEV (VNIIM, Russia) for 4 years (until May 2027). This is his maximum possible term of office as the TC 1.9 Chair (based on section 5, paragraph 12 of COOMET D1/2022).
6.3	RESOLUTION 34W-16	To appoint the following persons as Chairs (first term of office is 4 years (until May 2027)): <ul style="list-style-type: none"> – Nikita ZVIAGIN (VNIIM, Russia) as the Chair of the Joint Committee for Measurement Standards; – Aleksandr ISAEV (VNIIFTRI, Russia) as the Chair of TC 1.2 "Acoustics, Ultrasound, Vibration"; – Ilya SHMIGELSKIY (VNIIM, Russia) as the Chair of TC 1.6 "Mass and Related Quantities"; – Igor NORETS (VNIIFTRI, Russia) as the Chair of TC 1.11 "Time and Frequency"; – Marat YUNUSOV (UzNIM, Uzbekistan) as the Chair of TC 2 "Legal Metrology"; – Dina CHEPURNAYA (VNIIFTRI, Russia) as the Chair of TC 3.1 "Quality Forum Technical Committee"; – Viktoriya BOGDANOVA (VNIIM, Russia) as the Chair of SC 1.6.1 "Mass"; – Ilya SHMIGELSKIY (VNIIM, Russia) as the Chair of SC 1.6.2 "Force"; – Ilya KRASAVIN (VNIIMS, Russia) as the Chair of SC 4.2 "COOMET Information Resources".
	RESOLUTION 34W-17	On behalf of the COOMET Committee to express gratitude to Anna CHUNOVKINA (Russia) for her personal contribution to COOMET activities during her office as the JCMS Chair and for the organization of effective cooperation within COOMET on the implementation of the Mutual Recognition Arrangement (CIPM MRA) and other tasks of the JCMS.
	RESOLUTION 34W-18	On behalf of the COOMET Committee to express gratitude to all former Chairs of COOMET TCs and SCs (Aleksandr Kosterov (Ukraine), Irina Kolozinskaya (Ukraine), Vitaliy Palchikov (Russia), Yuriy Kuzmenko (Ukraine), Natalia Muravskaya (Russia), Aleksandr Tsiporenko (Ukraine), Aleksandr Ivanov (Russia)) for their personal contribution to COOMET activities during their offices as the Chairs of TCs/SCs and for the organization of cooperation within COOMET in the assigned subject fields.
6.4	RESOLUTION 34W-19	To approve the current memberships of COOMET structural bodies (as of 23.05.2023) in view of Resolution 34W-14 , Resolution 34W-15 , Resolution 34W-16 and the proposals received from COOMET Committee members: COOMET-34-WS/04 .

7		About the approval of the new membership of the COOMET Appeal Board on comparisons of national measurement standards and CMC review
	RESOLUTION 34W-20	To approve the new membership of the COOMET Appeal Board on comparisons of national measurement standards and CMC review (hereinafter referred to as AB): <ul style="list-style-type: none"> – AB Chair: Lazizbek SAIDORPOV (Uzbekistan); – AB member: Anna CHUNOVKINA (Russia); – AB member: Bauyrzhan MUKHAMEDZHANOV (Kazakhstan).
8		Approval of decisions to give the distinguished title "Honorary Metrologist of COOMET" in 2023
8.1	RESOLUTION 34W-21	To endorse the refined image of the badge of honor "Honorary Metrologist of COOMET" and to approve the updated document COOMET D7/2023 "Regulation on Giving the Distinguished Title "Honorary Metrologist of COOMET" (replacing COOMET D7/2019): COOMET-34-WS/05 .
8.2	RESOLUTION 34W-22	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 their considerable personal contribution to the work and activities of COOMET and to award them with badges of honor (in view of the requirements of COOMET D7/2023): Badge No. 103 - Garik MARTIROSYAN (NBSM, Armenia); 104 - Tamilla SHABIYEVA (AzMi, Azerbaijan); 105 - Vadim POPKO (BelGIM, Belarus); 106 - Meirtas ZHAMANBALIN (Karaganda branch of RSE "KazStandard", Kazakhstan); 107 - Ulan MOLDAGANAPOV (West Kazakhstan branch of RSE "KazStandard", Kazakhstan); 108 - Gulzhan TLESHOVA (RSE "KazStandard", Kazakhstan); 109 - Konstantin CHEKIRDA (VNIIM, Russia).
9		Election of the COOMET President (term of office - from May 2024 to May 2027)
	RESOLUTION 34W-23	To approve the membership of the Counting Board for the election of the COOMET President : <ul style="list-style-type: none"> – Chair: Marat Yunusov (Uzbekistan); – Member: Nikita Zviagin (Russia); – Member: Ainur Rakhadinova (Kazakhstan).
	RESOLUTION 34W-24	To approve the results of the closed secret ballot held among COOMET Committee members and their official representatives in view of the requirements of the Voting Rules (COOMET-34-WS/01), and to consider Gabit MUKHAMBETOV (Kazakhstan) the Elected COOMET President with a three-year term of office (from May 2024 to May 2027) according to section 5, paragraphs 2 and 7 of document COOMET D1/2022.

PLENARY SESSION

Agenda item	Resolution number	Content
1	2	3
1		About the resolutions of the Working session
		To take note of the information about the resolutions of the Working Session of the 34 th COOMET Committee Meeting (23 May 2023) – see Resolutions of the Working session.
2		About implementation of the resolutions of the 33rd COOMET Committee meeting
	RESOLUTION 34P-1	To take note of the information about agreeing on the Minutes of the 33 rd COOMET Committee meeting by COOMET Committee members and making them available on the COOMET web resources
	RESOLUTION 34P-2	To take note of the information, presented by the Head of COOMET Secretariat, about the implementation of resolutions of the 33 rd COOMET Committee Meeting.
	RESOLUTION 34P-3	To request the Presidential Council to continue discussion of proposals from COOMET Committee members on the possible contribution to COOMET activities and other proposals on options to enhance cooperation if the status quo is maintained in view of COOMET-33-WS/03* and to formulate final recommendations at the COOMET Committee meeting in 2024. <i>*Note: Annex COOMET-33-WS/03 to the Minutes of the 33rd COOMET Committee meeting "Summary 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".</i>
3		Report of COOMET President
	RESOLUTION 34P-4	To take note of the report of the COOMET President Valery Hurevich (Belarus) and to be guided by its provisions in further COOMET activities (COOMET-34-PS/01).
4		Annual report on the activities of COOMET
	RESOLUTION 34P-5	To adopt the Annual Report on the COOMET activities (COOMET-34-PS/02).
5		COOMET activities in the field of measurement standards, including the issues of the CIPM MRA implementation (in terms of CMCs and comparisons), in 2022-2023
5.1	RESOLUTION 34P-6	To take note of the information about the results of the 46 th JCRB meeting (COOMET-34-PS/03).
	RESOLUTION 34P-7	To request COOMET Committee members and Directors of NMIs of COOMET member countries to encourage representatives of their institutes to participate in the foresighting exercise "Young Metrologists' 2050+ Vision", initiated by the BIPM.
	RESOLUTION 34P-8	To take note of the information about the transfer of the activities of Georgian and Ukrainian NMIs/DIs on the implementation of the Mutual Recognition Arrangement (CIPM MRA) to EURAMET from 01.02.2023.
5.2	RESOLUTION 34P-9	To take note of the information about the implementation of actions, provided for in program COOMET P6/2021 "COOMET Roadmap for Implementation of the Decisions Related to Redefinition of the Basic Units of the International System of Units (SI) for 2020–2025".
	RESOLUTION 34P-10	To approve the updated program COOMET P6/2023 "COOMET Roadmap for Implementation of the Decisions Related to Redefinition of the Basic Units of the International System of Units (SI) for 2020–2025" (replacing COOMET P6/2021): COOMET-34-PS/04 .
5.3	RESOLUTION 34P-11	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-34-PS/05).
	RESOLUTION 34P-12	To endorse the COOMET Presidential Council's proposals on the algorithm of possible actions to complete long-lasting COOMET comparisons (COOMET-34-PS/06), and to request CSBs and the COOMET Appeal Board on comparisons of

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		<p>national measurement standards and CMC review to be guided by those recommendations in case of disputes.</p> <p>RESOLUTION 34P-13 To take note of the information about the implementation of the COOMET Program of Comparisons and challenges related to the comparisons of measurement standards in COOMET member countries.</p> <p>RESOLUTION 34P-14 To draw attention of NMIs participating in COOMET comparisons to the need (1) for meeting the schedule of comparisons given in the Technical Protocol and (2) for submitting timely the measurement results to the pilot.</p> <p>RESOLUTION 34P-15 To request the COOMET Secretariat to send a list of comparisons, for which the final reports have not been published in the KCDB, to NMIs that are pilots of the COOMET comparisons, by 15.06.2023. To request the Directors of the piloting NMIs to facilitate the completion of the above COOMET comparisons.</p> <p>RESOLUTION 34P-16 To request the Chairs of TC 1.2 – TC 1.11 in conjunction with the NMIs piloting the comparisons that are controlled by the JCMS and JCRB, to analyze the possibility of and need for applying the algorithms of possible actions to complete long-lasting COOMET comparisons (see COOMET-34-PS/06) and to submit the results to the JCMS by 01.10.2023. To request the JCMS Chair to submit the compiled results to the Presidential Council in November 2023 for discussion and adoption of recommendations on the cancellation of comparisons not having prospects to be officially completed in the KCDB, as required.</p>
5.4	<p>RESOLUTION 34P-17</p> <p>RESOLUTION 34P-18</p> <p>RESOLUTION 34P-19</p>	<p>To endorse the approaches, introduced in the new concept for the approval of COOMET CRMs (COOMET-34-PS/07) and to take the proposals into account in updating COOMET publications on reference materials.</p> <p>To approve the updated recommendation COOMET R/RM/4:2023 "Procedure for Joint Development, Approval and Registration of Certified Reference Materials within COOMET" (with the title refined, replacing COOMET R/RM/4:2008, COOMET project 857/RU/22): COOMET-34-PS/08.</p> <p>To approve the information material COOMET I/RM/2:2023 "Register of Certified Reference Materials of Composition and Properties of Substances and Materials, Developed within COOMET", updated in view of the information received by the TC 1.12 Secretariat from COOMET member countries (replacing COOMET I/RM/2:2023 as of 15.02.2023): COOMET-34-PS/09.</p>
6		COOMET activities in the field of peer reviews of the QMS of COOMET NMIs/DIs in 2022-2023
6.1	<p>RESOLUTION 34P-20</p> <p>RESOLUTION 34P-21</p>	<p>To take note of the Annual report about the activities of the Quality Forum and TC 3.1 "Quality Forum Technical Committee" (COOMET-34-PS/10).</p> <p>To take note of the information, presented by the COOMET Vice-President Nino MIKANADZE, about the results of peer reviews of the QMS of NMIs/DIs of COOMET member countries in 2022-2023 and about the provisional schedule of peer reviews for 2023-2024.</p>
7		Information about the activities of international metrology organizations
	<p>RESOLUTION 34P-22</p> <p>RESOLUTION 34P-23</p> <p>RESOLUTION 34P-24</p>	<p>To express gratitude to the representatives of the BIPM (Chingis KUANBAEV) and OIML/BIML (Ian DUNMILL) for the provided information about the activities of the mentioned organizations (COOMET-34-PS/11, COOMET-34-PS/12).</p> <p>On behalf of the COOMET Committee, to recommend to the Republic of Cuba to reinstate the status of a CGPM Associate (or to join the Metre Convention) and to further participate in the implementation of the Mutual Recognition Arrangement (CIPM MRA) as soon as possible.</p> <p>To call on the NMIs of the Metre Convention member countries to intensify work on joining the activities of CIPM Consultative Committees in accordance with the established rules and procedures.</p>

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8		COOMET activities in the field of legal metrology in 2022-2023
8.1	RESOLUTION 34P-25	To take note of the Annual report about the activities of TC 2 "Legal Metrology" (COOMET-34-PS/13), as well as of the information about the implementation of the Work Program of TC 2 for 2021-2023 (COOMET P3/2021).
	RESOLUTION 34P-26	To endorse the TC 2 initiative to hold two seminars on the issues of legal metrology before the end of 2023: – Issues of the metrological ensuring of measurements using smart meters; – OIML Certification System.
9		COOMET activities in the field of information and training in 2022-2023
9.1	RESOLUTION 34P-27	To take note of the Annual report about the activities of TC 4 "Information and training" (COOMET-34-PS/14), as well as of the information about the implementation of the Work Program of TC 4 for 2021-2023.
	RESOLUTION 34P-28	To note the importance of the implementation of the Practical Arrangement between the BIPM and COOMET on cooperation in delivering capacity building and knowledge transfer activities using the BIPM e-learning platform. To request the Chairs of COOMET structural bodies (JCMS, TC 1.1 – TC 1.12, QF, TC 3.1) to intensify work on the creation of COOMET courses for the BIPM e-learning platform in the assigned fields of cooperation. <i>Note: RESOLUTION 33P-24 was adopted at the 33rd COOMET Committee meeting: "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."</i>
10		About the preparation for the X International Competition "Best Young Metrologist of COOMET - 2023"
	RESOLUTION 34P-29	To take note of the information presented by the COOMET Vice-President Evgeny LAZARENKO about the preparations for the X International competition "Best Young Metrologist of COOMET" that will take place on 14 June 2023 in a hybrid format (Yekaterinburg, Russia & online).
11		About proposals on prospective research in metrology
	RESOLUTION 34P-30	To take note of the information presented by the COOMET Vice-President, TC 5 "Prospective Research Areas" Chair Evgeny LAZARENKO about preliminary proposals on the organization of prospective research in metrology under the auspices of TC 5 (in view of Resolution 34W-7 and Resolution 34W-9, and approved program COOMET P1/2023 "COOMET Development Program for 2023-2025").
	RESOLUTION 34P-31	To request the TC 5 Chair to organize discussion of proposals on prospective research in metrology at a TC 5 meeting in 2023. To provide information about the results of the held discussion and TC 5 activities in general at annual COOMET Committee meetings as part of the annual report of TC 5.
12		About the activities of the COOMET Task Group for Digital Transformation in Metrology (TG-DigTr) and draft COOMET Concept for the issues of digital transformation in metrology and a Roadmap for its implementation
	RESOLUTION 34P-32	To take note of the information about the activities of the TG-DigTr.
	RESOLUTION 34P-33	To approve the COOMET Concept for the Issues of Digital Transformation in Metrology and the Roadmap for its implementation (for 2023-2026) as program COOMET P7/2023 (COOMET-34-PS/15). To request the TG-DigTr Chair to inform about the implementation of the Program at annual COOMET Committee meetings.
	RESOLUTION 34P-34	To schedule a thematic COOMET seminar on digital transformation in metrology in 2024, inter alia to discuss the first results of the implementation of program COOMET P7/2023 (to define the specific dates and venue and/or format of the seminar at the Presidential Council meeting in November 2023).

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	RESOLUTION 34P-35	To take note of the information about the commencement of work on the creation of a COOMET digital platform with the involvement of representatives of the TG-DigTr and WG for the creation of a new single web resource of COOMET (WG-Web) as part of actions of program COOMET P7/2023.
13		About the activities of the COOMET Task Group for CEEMS support (TG-CEEMS)
	RESOLUTION 34P-36	To take note of the report presented by the COOMET Vice-President Gabit MUKHAMBETOV about the activities of the TG-CEEMS.
	RESOLUTION 34P-37	To request the TG-CEEMS Chair to organize the preparation and discussion of a draft COOMET Program of assistance to CEEMS for 2023-2025, and to submit it for approval at the next COOMET Committee meeting in 2024.
14		About COOMET publications
14.1	RESOLUTION 34P-38	To approve COOMET publications, prepared and updated in 2022-2023: <ul style="list-style-type: none"> – document COOMET D5.17/2023 "Regulation on the COOMET Appeal Board on comparisons of national measurement standards and CMC review" (replacing COOMET D5.17/2016): COOMET-34-PS/16; – recommendation COOMET R/TR/36:2023 "Rules for creation, approval and update of COOMET courses on the BIPM e-learning platform. Monitoring and satisfaction assessment for participation in COOMET courses" (new): COOMET-34-PS/17; – recommendation COOMET R/TR/27:2023 "Procedure for preparing certificates issued based on the results of trainings within COOMET" (with the title and subject field refined, replacing COOMET R/IT/27:2015, COOMET project 861/BY/22): COOMET-34-PS/18.
	RESOLUTION 34P-39	To request the COOMET Secretariat to make available the prepared and updated versions of the publications under Resolution 34P-38, Resolution 34P-10, Resolution 34P-17 and Resolution 34P-33, as well under Resolution 34W-11, Resolution 34W-13 and Resolution 34W-21 on the COOMET web resources by 30.06.2023 .
14.2	RESOLUTION 34P-40	To cancel the COOMET publications: <ul style="list-style-type: none"> – recommendation COOMET R/TF/2:1995 "Interstate Hierarchical Chain for Time and Frequency Measuring Instruments", prepared under project 16/RU-a/92; – recommendation COOMET R/TF/3:1995 "Requirements to Time and Frequency Measuring Equipment Produced by the COOMET Member Countries Required for Mutual Recognition of the Results of National Metrological Verifications and Certifications", prepared under project 16/RU-a/92.
	RESOLUTION 34P-41	To request the COOMET Secretariat to update the information under Resolution 34P-40 on the COOMET web resources by 30.06.2023 .
15		Information about the activities of regional organizations
	RESOLUTION 34P-42	To express gratitude to the representatives of APMP (Samyong WOO), GULFMET (Amina Al BASTAKI), SIM (Claudia SANTO), EASC (Vladimir CHERNYAK) for the provided information about the activities of the mentioned organizations (COOMET-34-PS/19 , COOMET-34-PS/20 , COOMET-34-PS/21 , COOMET-34-PS/22).
16		Information from the national metrology organizations, which are COOMET members, about the state of metrological activities in their countries
	RESOLUTION 34P-43	To take note of the information from the national metrology organizations, which are COOMET members, about the state of metrological activities in their countries.

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17		About the venue and date of the next COOMET Committee meeting
	RESOLUTION 34P-44	To express gratitude to Lazizbek SAIDORIPOV, COOMET Committee member from Uzbekistan, for the invitation to hold the 35 th COOMET Committee meeting in June 2024 in Uzbekistan (tentatively in the week from 3 to 7 June 2024). To request the COOMET Secretariat to inform COOMET Committee members, CSB Chairs and Task Group Chairs, as well as representatives of international and regional organizations about the exact dates and venue of the meeting in accordance with the established procedure.
	RESOLUTION 34P-45	To take note of the invitation from Kamo MOVSIKYAN, COOMET Committee member from Armenia, to hold the 36th COOMET Committee meeting in 2025 (in the absence of border crossing restrictions) in Armenia.
18		Miscellaneous issues
	RESOLUTION 34P-46	To take note of the invitation from the COOMET Vice-President Evgeny LAZARENKO to hold a scientific and practical conference within COOMET on the relevant issues of metrology in 2024 offline in the Russian Federation (in the absence of restrictions on international travel). To request the Presidential Council to decide on the date and venue of the conference in November 2023. To request the COOMET Secretariat to inform COOMET Committee members and CSB Chairs about the date and venue of the conference in due course.

Valery Hurevich,
COOMET President

Nadezhda Liakhova,
Head of COOMET Secretariat

DOCUMENTS OF THE 34th COOMET COMMITTEE MEETING (Annexes to the Minutes)

Annex to the Minutes	Document code
WORKING SESSION	
Voting rules for agenda items of the 34th COOMET Committee meeting (hybrid format), including the procedure for electing the COOMET President	COOMET-34-WS/01
Program COOMET P1/2023 "COOMET Development Program for 2023-2025" (replacing COOMET P1/2020)	COOMET-34-WS/02
Document COOMET D5.1/2023 "Regulation on the COOMET Joint Committee for Measurement Standards (JCMS)" (replacing COOMET D5.1/2022)	COOMET-34-WS/03
Members of CSBs (as of 23 May 2023)	COOMET-34-WS/04
Document COOMET D7/2023 "Regulation on giving the distinguished title "Honorary Metrologist of COOMET" (replacing COOMET D7/2019)	COOMET-34-WS/05
PLENARY SESSION	
COOMET President's Report	COOMET-34-PS/01
Annual Report on the COOMET activities	COOMET-34-PS/02
Information about the results of the 46th JCRB meetings	COOMET-34-PS/03
Program COOMET P6/2023 "COOMET Roadmap for Implementation of the Decisions Related to Redefinition of the Basic Units of the International System of Units (SI) for 2020–2025" (replacing COOMET P6/2021)	COOMET-34-PS/04
Annual Report about the activities of the Joint Committee for Measurement Standards	COOMET-34-PS/05
Position of the COOMET Presidential Council on the algorithm of possible actions to complete long-lasting COOMET comparisons	COOMET-34-PS/06
Concept for the recognition of COOMET CRMs	COOMET-34-PS/07
Recommendation COOMET R/RM/4:2023 "Procedure for Joint Development, Approval and Registration of Certified Reference Materials within COOMET" (with the title refined, replacing COOMET R/RM/4:2008, COOMET project 857/RU/22):	COOMET-34-PS/08
Information material COOMET I/RM/2:2023 "Register of Certified Reference Materials for Composition and Properties of Substances and Materials, Developed within COOMET" (replacing COOMET I/RM/2:2023 as of 15.02.2023)	COOMET-34-PS/09
Annual Report on the activities of the Quality Forum and TC 3.1 "Quality Forum Technical Committee"	COOMET-34-PS/10
Information about the BIPM activities	COOMET-34-PS/11 <i>in English</i>
Information about the OIML/BIML activities	COOMET-34-PS/12 <i>in English</i>
Annual Report on the activities of TC 2 "Legal Metrology"	COOMET-34-PS/13
Annual Report on the activities of TC 4 "Information and Training"	COOMET-34-PS/14
Program COOMET P7/2023 "COOMET Concept For The Issues Of Digital Transformation In Metrology and Roadmap for its Implementation for 2023-2026"	COOMET-34-PS/15

Annex to the Minutes	Document code
Document COOMET D5.17/2023 "Regulation on the COOMET Appeal Board on comparisons of national measurement standards and CMC review" (replacing COOMET D5.17/2016)	COOMET-34-PS/16
Recommendation COOMET R/TR/36:2023 "Rules for creation, approval and update of COOMET courses on the BIPM e-learning platform. Monitoring and satisfaction assessment for participation in COOMET courses"	COOMET-34-PS/17
Recommendation COOMET R/TR/27:2023 "Procedure for preparing certificates issued based on the results of trainings within COOMET" (replacing COOMET R/IT/27:2015, COOMET project 861/BY/22)	COOMET-34-PS/18
Information about the APMP activities	COOMET-34-PS/19 <i>in English</i>
Information about the GULFMET activities	COOMET-34-PS/20 <i>in English</i>
Information about the SIM activities	COOMET-34-PS/21 <i>in English</i>
Information about the EASC activities	COOMET-34-PS/22 <i>in Russian</i>