



MINUTES

21st meeting of COOMET Committee

27–28 April 2011
Yerevan, Armenia

COOMET Secretariat



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The meeting of the COOMET Committee was convened by the President Goryslav Sydorenko and held on 27–28 April 2011 in Yerevan, Armenia.

LIST OF PARTICIPANTS

| Representatives of national metrology organisations of COOMET Member Countries | | |
|---|-----------------------------------|--|
| Country | Name | Status in COOMET, NMI |
| ARMENIA | 1. Vahan SAHAKYAN | COOMET Committee Member, NIM |
| | 2. Narine OGANYAN | National COOMET Secretariat in Armenia, NIM |
| BELARUS | 3. Nikolai ZHAGORA | COOMET Vice-President, BelGIM |
| | 4. Nadezda LYAKHOVA | National COOMET Secretariat in Belarus, BelGIM |
| | 5. Tatsiana KALAMIYETS | TC Chairperson, BelGIM |
| | 6. Valiantsina PAZDZEYEVA | TC Chairperson, BelGIM |
| CUBA | 7. Antonio Alfredo López MAIDIQUE | Representative of COOMET Committee Member, INIMET |
| GEORGIA | 8. Nino MIKANADZE | Representative of COOMET Committee Member, GEOSTM |
| GERMANY | 9. Klaus-Dieter SOMMER | COOMET Vice-President, PTB |
| | 10. Annette KÖGLER | National COOMET Secretariat in Germany, PTB |
| | 11. Karl-Christian GOETHNER | PTB Consultant |
| | 12. Albert WECKENMANN | PTB Consultant Erlangen-Nuremberg University |
| KAZAKHSTAN | 13. Vassiliy MIKHALCHENKO | COOMET Committee Member, RSE “KazInMetr” |
| | 14. Dauren SHARIPOV | SC Chairperson, RSE “KazInMetr” |
| KYRGYZSTAN | 15. Alimbek KURMANBAEV | Representative of COOMET Committee Member, CSM |
| LITHUANIA | 16. Ignas STANKOVICIUS | COOMET Committee Member, VMT |
| MOLDOVA | 17. Vitalie DRAGANCEA | General Director, NISM |
| ROMANIA | 18. Gheorghe-Sorin GRESITA | Representative of COOMET Committee Member, BRML |
| RUSSIA | 19. Vladimir KRUTIKOV | COOMET Vice-President, Rosstandart |
| | 20. Nikolay NOVIKOV | Deputy Director of Department, Minpromtorg of Russia |
| | 21. Nina RAZIKOVA | Head of Legal Metrology Division, Rosstandart |
| | 22. Emma MKRTYCHIYNS | Minpromtorg of Russia |

| Representatives of national metrology organisations of COOMET Member Countries | | |
|---|--------------------------|--|
| Country | Name | Status in COOMET, NMI |
| | 23. Sergey KOMISSAROV | National COOMET Secretariat in Russia, VNIIMS |
| | 24. Anna CHUNOVKINA | TC Chairperson, VNIIM |
| | 25. Boris KHLEVNOY | TC Chairperson, VNIIOFI |
| | 26. Oleg POPOV | Representative of TC Chairperson, VNIIM |
| | 27. Vitaly PALCHIKOV | TC Chairperson, VNIIFTRI |
| | 28. Vyacheslav KAZANTSEV | Representative of TC Chairperson, UNIIM |
| | 29. Sergey ZHDANKIN | National COOMET Secretariat in Russia, VNIIMS |
| | 30. Vitaly BUGAEV | SC Chairperson, VNIIFTRI |
| SLOVAKIA | 31. Peter VRABČEK | Representative of COOMET Committee Member, SMU |
| | 32. Jekaterina KROMKOVA | National COOMET Secretariat in Slovakia, SMU |
| UKRAINE | 33. Pavlo NEYEZHMAKOV | Head of COOMET Secretariat, NSC “Institute of Metrology” |
| | 34. Yuliya BUNYAYEVA | COOMET Secretariat, NSC “Institute of Metrology” |
| | 35. Vladimir BOLSHAKOV | TC Chairperson, NSC “Institute of Metrology” |
| | 36. Vladimir KUPKO | TC Chairperson, NSC “Institute of Metrology” |
| | 37. Tetiana OMELICHEVA | COOMET Secretariat, NSC “Institute of Metrology” |
| UZBEKISTAN | 38. Ortagoli HAKIMOV | COOMET Committee Member, SRISMC “Uzstandard” Agency |
| Representatives of international and regional metrology organisations | | |
| IMO / RMO | Name | Position |
| CIML | 39. Alan JOHNSTON | CIML President |
| BIML | 40. Stephen PATORAY | BIML Director |
| BIPM | 41. Andrew HENSON | International Liaison Officer of BIPM |
| WELMEC | 42. Natasa MEJAC VUKOVIC | WELMEC Chairperson |
| Guests | | |
| Country | Name | Organisation |
| RUSSIA | 43. Aleksandr KIRILLOV | “The World of Measurements” Journal |

Representatives of the following COOMET member countries were absent from the meeting:

| Country | Reason |
|---------------------|--|
| AZERBAIJAN | Neither the COOMET President nor the Secretariat has any information on the reasons of non-attendance |
| BULGARIA | The COOMET Secretariat received a notification that the COOMET Committee Member from Bulgaria could not participate in the meeting |
| DPR of KOREA | Neither the COOMET President nor the Secretariat has any information on the reasons of non-attendance |
| TAJIKISTAN | The COOMET Secretariat received a notification that the COOMET Committee Member from Tajikistan could not participate in the meeting |

WELCOMING SPEECH

The participants were welcomed by the Minister of Economy of the Republic of Armenia Tigran Davtyan. In his speech the Minister emphasized the importance of the international cooperation on metrology and the role of COOMET in its strengthening and developing, noted the active participation of Armenia in the global processes of measurement uniformity assurance, and informed on the current state and prospects in developing the national metrology system.

OPENING OF THE MEETING

Since he was not able to participate in the 21st meeting of the COOMET Committee for reasonable excuse COOMET President Goryslav Sydorenko had kindly asked COOMET Vice-President Vladimir Krutikov to take the chair at the meeting.

COOMET Vice-President Vladimir Krutikov opened the meeting and welcomed the Committee members and the specialists accompanying them.

ADOPTION OF THE AGENDA

After the introduction of the participants the Committee proceeded to the approval of the items of the agenda. The Committee adopted the following agenda:

- 1 Adoption of the agenda
- 2 Presentation of the Minutes of the 20th meeting of COOMET Committee.
Implementation of the resolutions of the 20th meeting of COOMET Committee
- 3 Report of COOMET President
- 4 Annual report of COOMET Secretariat
- 5 COOMET strategy and tasks
 - 5.1 Presentation of COOMET Development Programme for 2011–2013
 - 5.2 Joint research in metrology
- 6 Authorities of chairpersons of structural bodies
- 7 Implementation of the CIPM MRA
 - 7.1 Results of JCRB meetings
 - 7.2 Comparisons in COOMET and CMC publication in the KCDB
 - 7.3 Annual report of Chairperson of Joint Committee for Measurement Standards (JCMS)
 - 7.4 Information on TC 1.1 – TC 1.12 activities in addition to the report of JCMS Chairperson
 - 7.5 Results of QMS peer reviews at COOMET NMIs in 2010. Peer reviews in 2011. Report of TC 3.1 Chairperson
 - 7.6 Establishing a measurement-specific expert group
- 8 COOMET activity in legal metrology
 - 8.1 Report of Chairperson of TC 2 “Legal Metrology”
 - 8.2 Results of the 45th CIML meeting
- 9 COOMET activity in information and training
 - 9.1 Report of Chairperson of TC 4 “Information and Training”
 - 9.2 COOMET information resources in the Internet: functioning and filling. Implementations of a COOMET database server within COOMET Project 478/UA/09

- 9.3 Holding the 4th International Competition “The Best Young Metrologist of COOMET”
- 9.4 2011 training workshops under the PTB-COOMET project on “Support of cooperation between member countries of the Regional Metrological Organisation “COOMET”
- 10 Cooperation of COOMET with NCSLI
- 11 Information from international and regional metrology organisations
- 12 Presentation of COOMET publications developed and revised in 2010–2011 for approval
- 13 Presentation of CRMs developed within COOMET to be recognized as COOMET CRMs; state of COOMET CRM Register
- 14 Establishment of COOMET Structural Bodies
 - 14.1 Information on the changes in the members of structural bodies
 - 14.2 Appointment of chairpersons of subcommittees
- 15 Awarding the Distinguished Title “Honorary Metrologist of COOMET”; conferring decorations
- 16 Information from member NMIs of COOMET on metrological activity in their countries
- 17 Venue and date of the next COOMET Committee meeting
- 18 Miscellaneous
- 19 Adoption of resolutions

OUTCOMES OF THE MEETING

1 ADOPTION OF THE AGENDA

The participants discussed and adopted the Agenda of the 21st meeting of the COOMET Committee.

2 PRESENTATION OF THE MINUTES OF THE 20TH MEETING OF COOMET COMMITTEE. IMPLEMENTATION OF THE RESOLUTIONS OF THE 20TH MEETING OF COOMET COMMITTEE

Head of the COOMET Secretariat P. Neyezhmakov presented the Minutes of the 20th COOMET Committee meeting and informed that the final version of the Minutes took into account all proposals and comments received by the Secretariat.

The participants were informed of the progress in implementing the resolutions of the the 20th COOMET Committee meeting.

3 REPORT OF COOMET PRESIDENT

COOMET Vice-President V. Krutikov presented the COOMET President's report on COOMET activity after the 20th meeting of the COOMET Committee (April 2010 – April 2011) and tasks of cooperation. The report described the results of activities in 2010–2011 and identified the main tasks of COOMET for the near future.

4 ANNUAL REPORT OF COOMET SECRETARIAT

Head of the COOMET Secretariat P. Neyezhmakov gave an annual report on the activity of COOMET as of 31 December 2010.

5 COOMET STRATEGY AND TASKS

5.1 Presentation of COOMET Development Programme for 2011–2013

Head of the COOMET Secretariat P. Neyezhmakov informed of the implementation of the COOMET Development Programme for 2008–2010, and presented a Draft COOMET Development Programme for 2011–2013.

The participants of the meeting expressed their comments as to the content of the Programme.

5.2 Joint research in metrology

COOMET Vice-President K.-D. Sommer informed of the activities within COOMET Project 492/DE/10 “Development of a Conception of Joint Research in Metrology in COOMET Member Countries”.

6 AUTHORITIES OF CHAIRPERSONS OF STRUCTURAL BODIES

Head of the COOMET Secretariat P. Neyezhmakov informed of the expiry of authorities of the Chairpersons of TC 1.1 “General Metrology” A. Chunovkina, TC 1.9 “Ionizing Radiation and Radioactivity” V. Yaryna, TC 1.10 “Thermometry and Thermal Physics” A. Pokhodun, TC 1.12 “Reference Materials” V. Leonov, TC 4 “Information and Training” P. Neyezhmakov in 2011.

A decision was made to prolong the authorities of the Chairpersons of TC 1.1, TC 1.9, TC 1.10, TC 1.12, and TC 4.

Head of the COOMET Secretariat P. Neyezhnikov informed that the COOMET Secretariat had received information that a decision was made at the 9th meeting of the COOMET Joint Committee for Measurement Standards (JCMS) to recommend A. Chunovkina, VNIIM, Russia, for the position of the JCMS Chairperson, and on the decision of the 11th COOMET Quality Forum (QF) to recommend R. Spurny, SMU, Slovakia, for the position of the QF Chairperson. The COOMET Committee approved these candidatures.

7 IMPLEMENTATION OF THE CIPM MRA

7.1 Results of JCRB meetings

The JCMS Chairperson A. Chunovkina informed of the results of the 25th and 26th JCRB meetings, the main results and problems of COOMET NMIs with regard to the implementation of the CIPM MRA, as well as of further tasks which face COOMET.

7.2 Comparisons in COOMET and CMC publication in the KCDB

COOMET Vice-President V. Krutikov informed of comparisons carried out in COOMET and gave details on COOMET CMC preparation and review and on carrying out inter-regional review of CMC of other RMOs.

The participants discussed the problems relating to comparisons of national measurement standards within COOMET.

7.3 Annual report of Chairperson of Joint Committee for Measurement Standards (JCMS)

The participants listened to the report of the JCMS Chairperson A. Chunovkina with an overview of the activity of COOMET TC 1.1 – TC 1.12 in 2010, and information on the results of the 9th meeting of JCMS held on 26 April 2011 where the chairpersons of TC 1.1 – TC 1.12 or their representatives gave detailed annual reports.

7.4 Information on TC 1.1 – TC 1.12 activities in addition to the report of JCMS Chairperson

The report of the JCMS Chairperson was supplemented with the information from the Chairpersons (or their representatives) of COOMET TC who participated in the meeting.

7.5 Results of QMS peer reviews at COOMET NMIs in 2010. Peer reviews in 2011. Report of TC 3.1 Chairperson

The Secretary of the COOMET Quality Forum and TC 3.1 J. Kromkova informed of the results of activities of the QF in the field of quality management system (QMS) review at the NMIs of COOMET member countries. It was emphasized that it is necessary to carry out reviews, as soon as possible, at all NMIs of COOMET member countries which signed the CIPM MRA.

7.6 Establishing a measurement-specific expert group

COOMET Vice-President V. Krutikov informed that the establishment of measurement-specific expert groups for CMC reviews had been finalized.

8 COOMET ACTIVITY IN LEGAL METROLOGY

8.1 Report of Chairperson of TC 2 “Legal Metrology”

COOMET Vice-President N. Zhagora presented the annual report on TC 2 activity describing the projects being implemented in this area as well as the results of the latest TC 2 meeting (September 2010, Slovakia).

8.2 Results of the 45th CIML meeting

Assistant of the COOMET Secretariat T. Omelicheva outline the results of the 45th CIML meeting.

The participants discussed the tasks of COOMET and NMIs arising from the resolutions of the CIML meeting.

9 COOMET ACTIVITY IN INFORMATION AND TRAINING

9.1 Report of Chairperson of TC 4 “Information and Training”

Chairperson of TC 4 “Information and Training” P. Neyezhmakov presented the annual report on COOMET information and training activity and results of TC 4 Work Programme implementation in 2008–2010.

9.2 COOMET information resources in the Internet: functioning and filling. Implementations of a COOMET database server within COOMET Project 478/UA/09

COOMET Web Administrator V. Bugaev and Head of the COOMET Secretariat P. Neyezhmakov spoke within this item of the agenda.

P. Neyezhmakov informed about the filling of the new COOMET web-portal with content.

P. Neyezhmakov also informed of the results of the training workshop for online editors of COOMET TCs in the new COOMET web-portal held on 14–16 December 2010 at PTB, Braunschweig, Germany.

V. Bugaev spoke about the implementation of a COOMET database server within COOMET Project 478/UA/09 “Creation of a Working COOMET Web-Portal”. The participants emphasized the importance of this work and agreed with the decision to continue the development of the COOMET database server.

9.3 Holding the 4th International Competition “The Best Young Metrologist of COOMET”

COOMET Vice-President V. Krutikov informed of the progress in preparing to the 4th International Competition “The Best Young Metrologist of COOMET 2011” and the seminar devoted to the 20th anniversary of COOMET.

9.4 2011 training workshops under the PTB-COOMET project on “Support of cooperation between member countries of the Regional Metrological Organisation “COOMET”

Representative of the National COOMET Secretariat in Germany A. Kögler informed of the training workshops planned in 2011 with the PTB-COOMET Project on “Support of

cooperation between member countries of the Regional Metrological Organisation “COOMET”.

10 COOPERATION OF COOMET WITH NCSLI

COOMET Vice-President K.-D. Sommer informed that a Memorandum of Understanding had been signed by the COOMET President G. Sydorenko and NCSLI President D. Porter in September.

Head of the COOMET Secretariat P. Neyezhnikov spoke about the NCSLI Conference to be held in August 2011.

11 INFORMATION FROM INTERNATIONAL AND REGIONAL METROLOGY ORGANISATIONS

BIML Director Stephen Patoray, International Liaison Officer of BIPM Andrew Henson, and WELMEC Chairperson Natasa Mejac Vukovic gave their presentations and reports on the activity of their organisations.

The participants of the meeting thanked the speakers for their interesting and useful information.

12 PRESENTATION OF COOMET PUBLICATIONS DEVELOPED AND REVISED IN 2010–2011 FOR APPROVAL

Head of the COOMET Secretariat P. Neyezhnikov presented, for approval, COOMET publications revised and developed in 2010–2011.

Representative of the Chairperson of TC 1.12 “Reference Materials” V. Kazantsev spoke about the revised COOMET Recommendation R/RM/17:20__ “Rules for Drawing Up a Certificate of Participation in Experimental Work on Creating COOMET Reference Materials”.

The Chairperson of TC 1.1 “General Metrology” A. Chunovkina spoke about the developed COOMET Recommendation “Using “Measurement Error” and “Measurement Uncertainty” Concepts. General Principles”.

13 PRESENTATION OF CRMS DEVELOPED WITHIN COOMET TO BE RECOGNIZED AS COOMET CRMS; STATE OF COOMET CRM REGISTER

Representative of the Chairperson of TC 1.12 “Reference Materials” V. Kazantsev presented the approved list of reference materials to be recognized as COOMET CRMs. He also informed of the state of the COOMET CRM Register.

14 ESTABLISHMENT OF COOMET STRUCTURAL BODIES

14.1 Information on the changes in the members of structural bodies

Head of the COOMET Secretariat P. Neyezhnikov presented the information received from the COOMET Committee Members and Chairpersons of Structural Bodies on the changes in the membership of their TCs..

14.2 Appointment of chairpersons of subcommittees

Head of the COOMET Secretariat P. Neyezhnikov informed of the expiry of authorities of the Chairperson of SC 4.3 “Training and Professional Development of Specialists” V. Ivanov and the Chairperson of SC 4.4 “Coordination of Work with Young Metrologists of COOMET Member Countries” V. Lobko in 2011.

A decision was made to prolong the authorities of these Chairpersons.

15 AWARDING THE DISTINGUISHED TITLE “HONORARY METROLOGIST OF COOMET”; CONFERRING DECORATIONS

At the meeting 2 specialists from COOMET member countries were awarded the Distinguished Title “Honorary Metrologist of COOMET”.

16 INFORMATION FROM MEMBER NMIS OF COOMET ON METROLOGICAL ACTIVITY IN THEIR COUNTRIES

All COOMET Committee members or their representatives participating in the meeting exchanged information on the state and current problems of metrology, the most important events and activities in the field of metrology in their countries.

17 VENUE AND DATE OF THE NEXT COOMET COMMITTEE MEETING

Head of COOMET Secretariat P. Neyezhnikov informed of the consent of the Director of CSM A. Kurmanbaev to hold the 22nd meeting of the COOMET Committee in April 2012 in Bishkek, Kyrgyzstan, and if the consent of the Deputy Head of Rosstandart, COOMET Vice-President V. Krutikov to hold the 23rd meeting of the Committee COOMET in spring 2013 in Russia.

18 MISCELLANEOUS

The participants discussed the current issues of COOMET.

19 ADOPTION OF RESOLUTIONS

The participants of the meeting discussed the draft resolutions of the 21st meeting of the Committee COOMET and made their suggestions and comments.

CLOSING OF THE MEETING

COOMET Vice-President V. Krutikov thanked the participants for their active work, as well as COOMET Secretariat and the organisers for the high level of preparation and holding of the meeting.

RESOLUTIONS OF THE 21ST MEETING OF COOMET COMMITTEE

| <i>Agenda item</i> | <i>Resolution No.</i> | <i>Text</i> |
|------------------------|-----------------------|---|
| 1 | RESOLUTION 1 | To accept the Agenda of the 21 st COOMET Committee meeting |
| 2 | RESOLUTION 2 | To accept the Minutes of the 20 th COOMET Committee meeting (COOMET-21/01) |
| 3 | RESOLUTION 3 | To take note of the report of COOMET President and to use its statements in the further COOMET activity (COOMET-21/02) |
| 4 | RESOLUTION 4 | To approve the Annual Report of the COOMET Secretariat (COOMET-21/03) |
| 5 5.1 | RESOLUTION 5 | To take note of the information on implementation of the COOMET Development Programme for 2008–2010 (COOMET-21/04) |
| 5.1 | RESOLUTION 6 | To take as the basis the Draft COOMET Development Programme for 2011–2013 (COOMET-21/05). To ask the COOMET Committee members and Chairpersons of TCs to send to the COOMET Secretariat their proposals for the Draft Programme by 1 June 2011 . To ask the COOMET Secretariat to generalize the proposals and to distribute the Draft Programme between COOMET Committee Members for agreement by 1 July 2011 . |
| 5.2 | RESOLUTION 7 | To ask the members of the Working Group consisting of COOMET Vice-Presidents K.-D. Sommer and V. Krutikov and the Head of the COOMET Secretariat P. Neyezhnikov to finish the preparation of questionnaires within Project 492/DE/10 and to distribute them between COOMET Committee Members by 1 July 2011 |
| 6 | RESOLUTION 8 | To designate as Chairpersons of: – Joint Committee for Measurement Standards of COOMET A. Chunovkina, VNIIM, Russia; – COOMET Quality Forum and TC 3.1 “Technical Committee of COOMET Quality Forum” R. Spurny, SMU, Slovakia. To prolong the authorities of Chairpersons for 4 years: – TC 1.1 “General metrology” A. Chunovkina, VNIIM, Russia; – TC 1.9 “Ionizing radiations and radioactivity” V. Yaryna, VNIIFTRI, Russia; – TC 1.10 “Thermometry and thermal physics” A. Pokhodun, VNIIM, Russia; – TC 1.12 “Reference materials” V. Leonov, UNIIM, Russia; – TC 4 “Information and training” P. Neyezhnikov, NSC “Institute of Metrology”, Ukraine |
| 7 7.1 | RESOLUTION 9 | To take note of information about the results of the 25 th and 26 th JCRB meetings. To ask the COOMET Committee Members, which have Russian translations of the basic documents of CIPM, JCRB to send them to the COOMET Secretariat for posting at the COOMET web-portal. To charge the COOMET Secretariat to distribute for information the Russian version of the Joint ILAC-BIPM Communication regarding the Accreditation of Calibration and Measurement Services of National Metrology Institutes” between COOMET Committee Members |

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| 7.2 | RESOLUTION 10 | To ask the JCMS Chairperson and Chairpersons of TC 1.2 – TC 1.12 to prepare the updated variant of COOMET Comparison Programme and to send it to the COOMET Secretariat by 1 September 2011 . |
| 7.2 | RESOLUTION 11 | To ask the JCMS Chairperson together with the Chairpersons of TC 1.2 – TC 1.12 to make an analysis of the considerable gap between the registration date of comparisons in the COOMET Secretariat and the KCDB and to prepare proposals on preventing the existing problem |
| 7.2 | RESOLUTION 12 | To pay the attention of Chairpersons of TC 1.2 – TC 1.11 and coordinators of COOMET comparisons on the need of in-time registration of comparisons, following the terms of submitting the current information and publishing the reports on comparisons in the KCDB |
| 7.3 | RESOLUTION 13 | To recommend to the Chairpersons of TCs to use in their activity the capabilities of information exchange by means of the web-pages of their TCs at the COOMET web-portal (COOMET-21/06) . To recommend to the Chairpersons of TCs to include the question about familiarization with the possibilities and web-portal structure into the agenda of the forthcoming meetings of TCs. To ask the Committee Members to consider the possibility to promote the participation of the representatives of their countries in TC meetings and to exchange the information with regard to the organisation and holding of comparisons of national measurement standards of COOMET NMIs |
| 7.5 | RESOLUTION 14 | To recommend to the NMIs of COOMET member countries, which are planning to sign the CIPM MRA, to continue the work on QMS implementation and preparation of QMS presentations to be made at the COOMET Quality Forum |
| 7.6 | RESOLUTION 15 | To approve the membership of measurement-specific expert groups for CMC review created in TC 1.8, TC 1.10, TC 1.11 (COOMET-21/07) . To ask the Chairpersons of TCs to post the information about the technical experts on the pages of their TCs at the COOMET web-portal |
| 9.2 | RESOLUTION 16 | COOMET Committee recommends to the COOMET Committee Members and to the Chairpersons of TCs to finish the filling of the pages of their countries and TCs at the COOMET web-portal by 1 July 2011 . To take note of the information of SC 4.2 Chairperson V. Bugaev about the possibilities and options of the implementation of a COOMET database server and to recommend it for discussion at the next TC 4 meeting |
| 11 | RESOLUTION 17 | To thank the representatives of international and regional metrological organisations CIML, BIML, BIPM, WELMEC for presenting the information on the activity of these organisations (COOMET-21/08, COOMET-21/09, COOMET-21/10) |
| 12 12.1 | RESOLUTION 18 | To approve the updated versions of COOMET publications: – COOMET Recommendation R/RM/17:2011 “Rules for Drawing Up a Certificate of Participation in Experimental Work on Creating COOMET Reference Materials” (COOMET-21/11) . |

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| | | <p>To approve the developed publication of COOMET:</p> <ul style="list-style-type: none"> – COOMET Recommendation R/GM/21:2011 “Using “Measurement Error” and “Measurement Uncertainty” Concepts. General Principles” (COOMET-21/12). <p>To charge the COOMET Secretariat to register and to post the updated versions of publications at the COOMET web-portal and website by 1 June 2011.</p> <p>To charge the online editors of COOMET web-portal from TC 1.1 and TC 1.12 to post the appropriate information on the pages of their TCs</p> |
| 13 | RESOLUTION 19 | <p>To recognize the CRMs recommended by TC 1.12 as COOMET CRMs (COOMET-21/13), taking into account the countries which joined the recognition.</p> <p>To ask the Correspondents of COOMET member countries in TC 1.12 which haven't sent the conclusion to consider COOMET-21/13 and to send to the Secretariat of TC 1.12 (UNIIM) the information about the possibility of CRM recognition by 30 May 2011.</p> <p>To ask the Secretariat of TC 1.12 (UNIIM) to enter the CRMs indicated in COOMET-21/13, taking into account the additionally joined countries, into the COOMET CRM Register in accordance with the requirements of COOMET Recommendation R/RM/4:2008</p> |
| 13 | RESOLUTION 20 | <p>To take note of the information from the Chairperson of TC 1.12 about posting the COOMET CRM Register at the COOMET web-portal (on TC 1.12 web-page).</p> <p>To ask the online editor of TC 1.12 “CRM” to reflect the changes in the COOMET CRM Register on the appropriate web-page</p> |
| 14 14.1 | RESOLUTION 21 | To approve the new membership in the COOMET structural bodies (COOMET-21/14) |
| 14.2 | RESOLUTION 22 | <p>To prolong the authorities of the following Chairpersons for 3 years:</p> <ul style="list-style-type: none"> – SC 4.3 “Training and Professional Development of Specialists” V. Ivanov, VNIIMS, Russia; – SC 4.4 “Coordination of Work with Young Metrologists of COOMET Member Countries ” V. Lobko, BELGIM, Belarus |
| 15 | RESOLUTION 23 | <p>To give the Distinguished Title “Honorary Metrologist of COOMET” and a decoration to the following COOMET specialists for their considerable personal contributions to the activity of COOMET:</p> <p>Decoration No.:</p> <p style="padding-left: 40px;">49 Sergey KOROSTIN, Russia</p> <p style="padding-left: 40px;">50 Ortagoli HAKIMOV, Uzbekistan</p> |
| 16 | RESOLUTION 24 | To take note of the information of the participants of the meeting about the metrological activity of national organisations of COOMET member countries |
| 17 | RESOLUTION 25 | To take note of the information of CSM Director A. Kurmanbaev to conduct the 22 nd COOMET Committee meeting in April 2012 in Bishkek, Kyrgyzstan, and of the information of Deputy Head of Rosstandart, COOMET Vice-President V. Krutikov to conduct the 23 rd COOMET Committee meeting in spring 2013 in Russia |

DOCUMENTS OF THE 21ST MEETING OF COOMET COMMITTEE

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| Minutes of the 20 th meeting of COOMET Committee | COOMET-21/01 |
| Report of COOMET President | COOMET-21/02 |
| Annual report of COOMET Secretariat | COOMET-21/03 |
| Information on implementation of COOMET Development Programme for 2008–2010 | COOMET-21/04 |
| COOMET Development Programme for 2011–2013 | COOMET-21/05 |
| Annual reports of chairpersons of COOMET structural bodies | COOMET-21/06 |
| Memberships of measurement-specific expert groups for CMC reviews | COOMET-21/07 |
| Information on OIML activity | COOMET-21/08 |
| Information on BIPM activity | COOMET-21/09 |
| Information on WELMEC activity | COOMET-21/10 |
| COOMET R/RM/17:2011 “ <i>Rules for Drawing Up a Certificate of Participation in Experimental Work on Creating COOMET Reference Materials</i> ” | COOMET-21/11 |
| COOMET R/GM/21:2011 “ <i>Using “Measurement Error” and “Measurement Uncertainty” Concepts. General Principles</i> ” | COOMET-21/12 |
| Approved list of reference materials to be recognized as COOMET CRMs | COOMET-21/13 |
| Information on the members of COOMET structural bodies | COOMET-21/14 |