## Meetings of the TC 1.1 -1.12

<table>
<thead>
<tr>
<th>№ TC</th>
<th>Meeting data</th>
<th>Place</th>
</tr>
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<tbody>
<tr>
<td>TC 1.1 “GM”</td>
<td>13.06.2017</td>
<td>St.Petersburg, Russia</td>
</tr>
<tr>
<td>TC 1.2 “AUV”</td>
<td>5-6.09.2017</td>
<td>Vilnius, Lithuania</td>
</tr>
<tr>
<td>TC 1.3 “EM”</td>
<td>03-04.10.2017</td>
<td>Minsk, Belarus</td>
</tr>
<tr>
<td>TC 1.4 “Flow Measurement”</td>
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<td></td>
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<tr>
<td>TC 1.5 “L”</td>
<td>May, 2017</td>
<td>Sarajevo, Bosnia and Herzegovina</td>
</tr>
<tr>
<td>TC 1.6 “M”</td>
<td></td>
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<tr>
<td>TC 1.7 “PR”</td>
<td>15-16.08.2017</td>
<td>St.Petersburg, Russia</td>
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<tr>
<td>TC 1.8 “Physico-chemistry”</td>
<td>22-23.05.2017</td>
<td>St.Petersburg, Russia</td>
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<tr>
<td>TC 1.9 “Ionising Radiation and Radioactivity”</td>
<td>3-5.05.2017</td>
<td>Gavana, Kuba</td>
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<tr>
<td>TC 1.10 “Thermometry and Thermal Physics”</td>
<td></td>
<td></td>
</tr>
<tr>
<td>TC 1.11 “Time and Frequency”</td>
<td>22-23.05.2017</td>
<td>Mendeleev, Russia</td>
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</tbody>
</table>
- Reports of technical committees TC1.1-TC1.12
- Program of comparisons of standards of national metrological institutes of COOMET:
  - Current status of COOMET comparisons
  - On the development of a new version of COOMET Document R / GM / 11: 2010 "Regulations for comparison of measurement standards from the national metrological institutes of COOMET «
- COOMET participation in the implementation of the CIPM MRA Agreement
### Completed projects

<table>
<thead>
<tr>
<th>Project</th>
<th>Description</th>
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</thead>
<tbody>
<tr>
<td>535/UA/11</td>
<td>Comparison of the standards of the unit of power ultrasound in the water in the frequency range from 2 to 15 MHz</td>
</tr>
<tr>
<td>609/UA/13</td>
<td>Comparison of national standards of the sound pressure unit in air through calibration of the pressure-inch and half-inch microphones</td>
</tr>
<tr>
<td>308/UA/04</td>
<td>Key Comparison of the National Measurement Standards of the vibration parameters units (in regard to the vibration acceleration) in the frequency range from 20 Hz to 5 kHz</td>
</tr>
<tr>
<td>626/BY/13</td>
<td>Comparison of national standards for sound pressure in air</td>
</tr>
<tr>
<td>675/BY/15</td>
<td>Development of a recommendation regarding contribution of measurement uncertainty in making decision on rejection in course of conformity assessment</td>
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### Completed projects

<table>
<thead>
<tr>
<th>Project Code</th>
<th>Description</th>
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<tbody>
<tr>
<td>568/UA/12</td>
<td>Comparisons of reference measuring instruments of surface parameters</td>
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<tr>
<td>569/UA/12</td>
<td>Comparison of length standards in the range of 0.001 to 1 mm</td>
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<tr>
<td>529/RU/11</td>
<td>Comparison of interferometers for measurement of tapes up to 20 m</td>
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<tr>
<td>570/UA/12</td>
<td>Comparisons of standards of flatness</td>
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<tr>
<td>524/UA-RU/11</td>
<td>Intercomparison of the national standards unit of the plane angle</td>
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<tr>
<td>676/MD/15</td>
<td>Calibration of gauge blocks by comparison</td>
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<tr>
<td>673/UA/15</td>
<td>Comparison of initial measuring instruments of the parameters of involute gears</td>
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## Completed projects

<table>
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<tr>
<th>Reference</th>
<th>Description</th>
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<tbody>
<tr>
<td>636/UA/14</td>
<td>Comparisons of luminous flux national standards</td>
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<tr>
<td>613/RU-a/13</td>
<td>Pilot comparisons in the field of measurements of specific adsorption, specific surface area, specific volume and pore diameter in solid nanoporous substances</td>
</tr>
<tr>
<td>692/RU/16</td>
<td>Pilot comparisons in the field of measuring of the moisture content in wood</td>
</tr>
<tr>
<td>698/RU/16</td>
<td>Work on the recognition of CRM for composition of potassium biphthalate of the 1st order, included in Appendix C CIPM MRA as COOMET CRM.</td>
</tr>
<tr>
<td>699/RU/16</td>
<td>Work on the recognition of CRM for composition of potassium bichromate of the 1st order, included in Appendix C CIPM MRA as COOMET CRM.</td>
</tr>
<tr>
<td>648/RU/14</td>
<td>Development of CRM of mass fraction of metals in slag of copper smelting production (SHM)</td>
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## Published SMS

<table>
<thead>
<tr>
<th>SMS</th>
<th>Last update</th>
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<tr>
<td>COOMET.AUV.9.2017</td>
<td>2017-12-11</td>
</tr>
<tr>
<td>COOMET.M.28.2017</td>
<td>2017-10-30</td>
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<tr>
<td>COOMET.M.26.2015</td>
<td>2017-10-30</td>
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<tr>
<td>COOMET.L.14.2017</td>
<td>2017-10-29</td>
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<tr>
<td>COOMET.PR.11.2017</td>
<td>2017-09-18</td>
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<tr>
<td>COOMET.AUV.8.2017</td>
<td>2017-08-30</td>
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<td>COOMET.QM.27.2017</td>
<td>2017-06-30</td>
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<td>COOMET.T.12.2017</td>
<td>2017-06-08</td>
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<td>COOMET.M.14.2013</td>
<td>2017-06-02</td>
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<td>COOMET.M.27.2017</td>
<td>2017-05-31</td>
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<tr>
<td>COOMET.EM.12.2017</td>
<td>2017-05-29</td>
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Participation in the examination of SMS

T.C 1.2:
SIM.AUV.3.2016 (Published in the BIPM KCDB on 2017-07-24);
APMP.AUV.13.2016 (Published in the BIPM KCDB on 2017-06-13);
EURAMET.AUV.17.2017 (Published in the BIPM KCDB on 2018-02-08);
AFRIMETS.AUV.5.2017 (under consideration)
EURAMET.AUV.18.2018 (under consideration)

T.C 1.3:
AFRIMETS.EM.3.2017 May-July 2017

T.C 1.6:
EURAMET.M.56.2018
APMP.M.44.2017

T.C 1.7:
re-examination EURAMET.PR.12.2016,
Participation in the review of SMS

**T.C 1.8:**
AFRIMETS.QM.16.2017
APMP.QM.28.2017
APMP.QM.29.2017
EURAMET.QM.30.2017
EURAMET.QM.31.2017
EURAMET.QM.32.2017
SIM.QM.22.2017
SIM.QM.23.2017

**T.C 1.9:**
EURAMET.RI.29.2017

**T.C 1.10:**
APMP.T.13.2017
APMP.T.12.2017
<table>
<thead>
<tr>
<th>TC 1.1</th>
<th>EURAMET TC-IM</th>
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<tr>
<td></td>
<td>IMEKO TC 7, TC 21</td>
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<td>ISO TC 69 PC 6</td>
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<th>TC 1.2</th>
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<td>CMC - CCAUV RMO WG</td>
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<tr>
<td></td>
<td>CCAUV SPWG</td>
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<td></td>
<td>TC87 IEC «Ultrasound</td>
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<td>TÜBİTAK – MAM (October, 2017)</td>
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<thead>
<tr>
<th>TC 1.6</th>
<th>meetings of the CCM Working Groups on</th>
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<tbody>
<tr>
<td></td>
<td>Mass hardness pressure.</td>
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**INTERACTION WITH INTERNATIONAL ORGANIZATIONS**

## TK 1.7

<table>
<thead>
<tr>
<th>Time spending</th>
<th>Name of event</th>
<th>Location</th>
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<tbody>
<tr>
<td>June 2017</td>
<td>Meeting of the Working Group on Key Comparisons of the CCFR</td>
<td>Tokyo, Japan</td>
</tr>
<tr>
<td>June 2017</td>
<td>Meeting of the Working Group on SMS CCFR</td>
<td>Tokyo, Japan</td>
</tr>
<tr>
<td>June 2017</td>
<td>Meeting of the Working Group on Strategic Planning of the CCFR</td>
<td>Tokyo, Japan</td>
</tr>
<tr>
<td>June 2017</td>
<td>13th International Conference on New Developments and Applications in Optical Radiometry (NEWRAD 2017)</td>
<td>Tokyo, Japan</td>
</tr>
<tr>
<td>August 2017</td>
<td>Seminar &quot;Estimation of uncertainties in international comparisons&quot;</td>
<td>St. Petersburg, Russia</td>
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<tr>
<td>August 2017</td>
<td>15th Meeting of TC1.7</td>
<td>St. Petersburg, Russia</td>
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</table>
TK 1.8
CCQM
Representatives of TC 1.8 participate in the activities of CCQM almost from the moment of its foundation and are part of the working groups KCWG, QAWG, GAWG, IAWG, BAWG, EAWG, CAWG, NAWG, PAWG, SAWG

APMP
EURAMET, SIM
participation in projects on international comparisons

ISO TK
ISO TC 146 (Air quality), TC 158 (Gas analysis), TC 190 (Soil quality), TC 193 (Natural gas).

TK 1.10
iMERA (EBPAMET)
WG1, WG 3, WG5, WG6, WG8, WG9

TK 1.11
PARTICIPATION IN INTERNATIONAL CONFERENCES, WORKSHOPS…

- XI conference “Advanced mathematical and metrology and testing”, August 29-31, 2017 Glasgow, Scotland

- International Scientific and Practical Conference “175 years of VNIIM them. D.I. Mendeleev and the National System for Ensuring the Uniformity of Measurements”, June 14-15, 2017 St. Petersburg, Russia
Thanks for attention!