



COOMET Document

COOMET
D9/2007

COOMET Program of comparisons

Approved at the 17th COOMET Committee Meeting (Minsk, Belarus, 24–25 of April 2007)

APPROVED

Dr. Goryslav Sydorenko
COOMET President
November 15, 2007

COOMET PROGRAMM OF COMPARISONS

(as is of November 15, 2007)

1. PLANNED COMPARISONS

| № | Name | Subject field | Type | COOMET project No | KCDB reference | CMCs supported | Date of start | NMI- pilot, contact person | Participants | Comments |
|---|--|---------------|---------------|-------------------|----------------|---------------------|---------------|--|---|----------|
| 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 11 |
| 1 | Comparison of the National standards of air acoustic pressure in low-frequency range 2 Hz to 125 Hz | AUV | Pilot | 392/UA/07 | | 1.1.1, 3.1.1, 3.1.1 | | DPNDI "Systema" V.Chaliy 79008, Lvov, Krivonos st., 6 Ukraine Phone: +38 032 239 92 23 Fax: +38 032 274 21 49 v-chalyy@dndi-systema.lviv.ua | DNDI «Systema» Ukraine VNIIFTRI Russia | |
| 2 | Comparison of the National standards of air free-field acoustic pressure accordance with IEC 61094- | AUV | Pilot | | | 1.2.1, 1.2.3, 3.1.2 | 2007 | VNIIFTRI A.Konkov. Mendeleevo, Moscow region 141570, Russia Phone: +7 (495) 535 92 56 Fax: +7 495 535 93 34 akustika@vniiftri.ru | DNDI «Systema» Ukraine VNIIFTRI Russia | |
| 3 | Comparisons of the sound pressure standards in water in the low frequency and infrasound range (2 kHz to 4 kHz) | AUV | Pilot | 405/RU/07 | | | 2007 | VNIIFTRI A.Isaev Moscow region 141570, Russia Phone: +7 (495) 535-93-13 Fax : +7 (495) 535-93-13 enyakov@vniiftri.ru | VNIIFTRI Russia DNDI «Systema» Ukraine | |
| 4 | Сличения эталонов отношений напряжения переменного тока | EM | key | 396/UA/07 | | | 2008 | Ukrmetrteststandard V.Kikalo 4, Metrologicheskaja str., 03143, Kyiv, Ukraine Phone: +380(44) 526-34-85 Fax :+380(044) 526-36-69 hivolt@ukresm.kiev.ua | Ukrmetrtests tandard Ukraine VNIIMS Russia BelGIM Belarus | |
| 5 | Comparisons of mass and volume units national standards in the flowrate range from 60 to 10 ⁵ kg/h (from 0,06 to 100 m ³ /h) | F | Supplementary | 406/UA/07 | | | 2008 | NNC IM V.Bolshakov 61002, Kharkov, Mironositskaya St., Ukraine Phone: : +38 057 704 98 36 Fax: : +38 057 700 34 47 bvb@metrology.kharkov.ua | NSC IM Ukraine | |
| 6 | International Comparisons of the National Standards in the Field of Deviations from Straightness and Flatness with measuring range of deviations from straightness from 0 to 50 μm, with length of surface from 0,4 to 5 m | L | Supplementary | 382/RU/07 | | | 2007 | UNIIM V.V. Leonov Russia, 620000, Yekaterinburg, Krasnoarmeyskaya Str., 4, Russia Phone: +7 (343) 3502618 Fax : +7 (343) 3502039 uniim@uniim.ru | UNIIM Russia BelGIM Belarus KazInMter Kazakhstan | |

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| 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 11 |
| 7 | International comparison of length standards in the range measurement of gauge blocks | L | key | 390/BY/07 | | | 2007 | BelGIM V.Makarevich 93, Starovilensky trakt, Minsk, 220053, Belarus Phone: + 375 17 234 98 20 Fax: + 375 17 288 09 38 Makarevich@belgim.by | BelGIM Belarus GUM Poland | |
| 8 | The comparison of the flatness standards | L | Supplementary | 313/UA/04 | | 4.1. | 2006 | NNC IM Gafanovich G. 61002, Kharkov, Mironositskaya St., Phone:+380 572 403352 Fax: +380 57 7003447 gafanovich@metrology.Kharkov.ua | NSC IM Ukraine PTB Germany | |
| 9 | The key comparison of national standards of absolute pressure in average pressure (2 kPa...3000 kPa) | M | key | 397/RU/07 | | | 2008 | VNIIMS S.Novikova 46, Ozernaya str., 119361 Moscow, Russia Phone: +7 495 137-88-28 axF: +7 495 137-88-28 etalon@mail.cnt.ru | VNIIMS Russia NSC IM Ukraine BelGIM Belarus PTB, Germany | |
| 10 | International comparisons of the spectroradiometers and integral radiometer in the UV-A, UV-B, UV-C ranges | PR | Pilot | | | | 2007 | VNIOFI S.Anevskiy. 46, Ozernaya str., 119361 Moscow, Russia Phone. +7 495 437-31-83 Fax: +7 495 437-31-47 vniofi@vniofi.ru | VNIOFI Russia NSC IM Ukraine BelGIM Belarus PTB, Germany | |
| 11 | Comparison of reference materials of whiteness | PR | Supplementary | 366/RU/06 | | | 2007 | VNIOFI T.Gorshkova. 46, Ozernaya str., 119361 Moscow, Russia Phone. +7 495 437-55-33 Fax: +7 495 437-31-47 vniofi@vniofi.ru | VNIOFI Russia NSC IM Ukraine BelGIM Belarus PTB Germany | |
| 12 | Comparisons of the units of luminous intensity and illumination | PR | Supplementary | 368/BY/06 | | | 2007 | BelGIM Tarasova O. 93, Starovilensky trakt, Minsk, 220053, Belarus phone. 234-98-20 fax: 2880938 optic@belgim.belpak.minsk.by | BelGIM Belarus SMU Slovakia VNIOFI Russia | |

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| | | | | | | | | | 10 | |
| 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 11 |
| 13 | Comparisons of measurement standards of the unit of refractive index | PR | Supplementary | 276/RU/03 | | | 2007 | VNIOFI G. Vishnyakov. 46, Ozernaya str., 119361 Moscow, Russia Phone. +7 495 781-45-74 Fax: +7 495 437-34-01 vish@vniiofi.ru | VNIOFI Russia PTB Germany | |
| 14 | Comparisons of national measurement standards of the unit of optical radiation average power in FOTS | PR | Supplementary | 225/RU/01 | | | 2007 | VNIOFI S. Tikhomirov 46, Ozernaya str., 119361 Moscow, Russia Phone. +7 495 437-32-65 Fax: +7 495 437-34-01 vniiofi@vniiofi.ru | VNIOFI Russia NSC IM Ukraine | |
| 15 | Pilot comparisons in the field of measuring the aqueous glucose solutions | QM | Pilot | 362/RU/06 | - | 10 | 2006 | VNIIM Konopelko L.A. 19 Moskovsky av, 190005, Saint-Petersburg, Russia phone:(7-812) 315 11 45 fax: (7-812) 327 97 76 lkonop@b10.vniim.ru | VNIIM (Russia) VNIIFTRI (Russia) Ukrmetrteststanda st (Ukraine) BelGIM (Belarus) SMU (Slovakia) | |
| 16 | Comparisons in the field of electrical conductivity measurements | QM | Pilot | 361/RU/06 | | 7 | 2007 | VNIIM Konopelko L.A. 19 Moskovsky av, 190005, Saint-Petersburg, Russia phone:(7-812) 315 11 45 fax: (7-812) 327 97 76 lkonop@b10.vniim.ru | VNIIM (Russia) VNIIFTRI (Russia) Ukrmetrteststanda st (Ukraine) BelGIM (Belarus) SMU (Slovakia) | |
| 17 | Pilot comparisons "Determination of gene-modified objects in food" | QM | Pilot | 375/RU/06 (proposed) | | 11 | January2007 | VNIIM Konopelko L.A. 19 Moskovsky av, 190005, Saint-Petersburg, Russia phone:(7-812) 315 11 45 fax: (7-812) 327 97 76 lkonop@b10.vniim.ru | VNIIM (Russia), RAS Institute of Cytology (Russia) and other countries- members of COOMET | |

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| 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 11 |
| 18 | Pilot comparisons in the field of measuring particle sizes | QM | Pilot | 378/RU/06 (proposed) | | 4.6 | May 2007 | VNIIM Konopelko L.A. 19 Moskovsky av, 190005, Saint-Petersburg, Russia phone:(7-812) 315 11 45 fax: (7-812) 327 97 76 lkonop@b10.vniim.ru | VNIIM (Russia), VNIIFTRI (Russia) and other countries- members of COOMET | |
| 19 | Pilot comparisons in the field of humidity mass fraction measurements in cereal grain and cereal products | QM | Pilot | 379/RU/06 (proposed) | | 11.4 | May 2007 | VNIIM V.I.Koryakov 4, Krasnoarmeiskaya ul., Ekaterinburg, 620000, Russia phone: +7 8.343 350 16 98 fax: +7.343 350 25 43 korukov@uniim.ru | UNIIM Russia | |
| | | | | | | | | | Ukrmetrteststandart Ukraine | |
| | | | | | | | | | BelGIM, Belarus | |
| | | | | | | | | | PTB Germany | |
| 20 | Key comparisons of standard natural gas samples | QM | Key | 400/RU/07 | | | 2007 | VNIIM Konopelko L.A. 19 Moskovsky av, 190005, Saint-Petersburg, Russia phone:(7-812) 315 11 45 fax: (7-812) 327 97 76 lkonop@b10.vniim.ru | VNIIM, Russia | |
| | | | | | | | | | Ukrmetrteststandart Ukraine | |
| | | | | | | | | | BelGIM, Belarus | |
| | | | | | | | | | SM Chemistry and Material technology Sweden | |
| 21 | Key comparisons of standard samples of CO gas mixtures in Nitrogen (10 and 1000 ppm) | QM | Key | 401/RU/07 | | | 2007 | VNIIM Konopelko L.A. 19 Moskovsky av, 190005, Saint-Petersburg, Russia phone:(7-812) 315 11 45 fax: (7-812) 327 97 76 lkonop@b10.vniim.ru | VNIIM Russia | |
| | | | | | | | | | Ukrmetrteststandart Ukraine | |
| | | | | | | | | | BelGIM Belarus | |
| 22 | Standardization of Cs-137 radionuclide solution | RI | Key | 386/RU/07 | COOMET.RI9II)- k2.Cs-137 | 2.2.3.1-Cs- 137 | 2007 | VNIIM I.Kharitonov 19 Moskovsky av, 190005, Saint-Petersburg, Russia Phone. +7 812 323 96 11 Fax. +7 812 323 96 17 khia@vniim.ru | VNIIM, Russia | |
| | | | | | | | | | BelGIM, Belarus | |
| | | | | | | | | | CENTIS-DMR Cuba | |
| 23 | Comparison of the well-type ionization chamber (IC) calibrations factors for the medical radionuclides ("Dosecalibrators"). | RI | Supplementary | 386/RU/07 | | | Dec. 2007 | VNIIFTRI Korostin S. Mendeleevo, Moscow region 141570 Russia Phone:+7 495 535 93 05 Fax: +7 495 744 81 75 ir@vniiftri.ru | VNIIFTRI Russia | |

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| 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 11 |
| 24 | Comparisons of national standards of the unit of combustion energy | T | Supplementary | 228/UA-a/01 | | | 2007 | VNIIM E.Korchagina 19 Moskovsky av, 190005, Saint-Petersburg, Russia Phone + 812 3239639 Fax +7 812 7130114 n.e.korchagina@vniim.ru | VNIIM Russia NSC IM Ukraine | |
| 25 | Comparison of national standards of the unit of temperature at the fixed points of silver, gold and copper freezing | T | Key | 387/UA/07 | | | 2007 | NSC IM V.Slipushenko 61002, Kharkov, Mironositskaya St., Ukraine Phone.: +38 057 7049806 Fax: +38 057 7003447 vsl@metrology.kharkov.ua | VNIIM Russia NSC IM Ukraine | |
| 26 | Regional comparisons of national standards for temperature measurements in the range from the triple point of mercury to the zinc freezing point | T | Key | 285/RU-a/03 | - | 2.1.1 | 2007 | VNIIM Pokhodun A. 19 Moskovsky av, 190005, Saint-Petersburg, Russia Phone/Fax 107 812 315 5207 A.I.Pokhodun@vniim.ru | VNIIM Russia NSC IM Ukraine BelGIM Belarus SMU Slovakia INIMET Cuba | |
| 27 | Regional comparisons of national measurement standards of the triple point of water for temperature measurements | T | Key | 395/BY/07 | | | 2008 | BelGIM T.Dikun 93, Starovilensky trakt, Minsk, 220053 Belarus тел. + 375 17 233 04 21 факс: + 375 17 288 09 38 dikun@belgim.by | BelGIM Belarus | |
| 28 | Comparison of National time and frequency standards with help of RF scale UTC(SU) | TF | Key | | | 1.1 1.2 | 2008 | VNIFTRI V.Palchikov Mendeleevo, Moscow region 141570 Russia Phone:+7 495 5359291 Fax: +7 495 5359334 ir@vniiftri.ru | VNIFTRI Russia | |

2. COMPARISONS IN PROGRESS

| № | Name | Subject field | Type | COOMET project No | KCDB reference | CMCs supported | Date of start | NMI- pilot, contact person | Participants | Comments |
|---|---|---------------|------|-------------------|--------------------|---|---------------|--|---|---------------------|
| 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 11 |
| 1 | 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 | AUV | key | 308/UA/04 | COOMET. AUV.V-K1 | 21.1.1; 21.2.1; 21.3.1; 21.4.1 | 2006 | VNIIM Smirnov V. 19 Moskovsky av, 190005, Saint-Petersburg, Russia Phone: (812) 3239629, 4220159 Fax: (812) 1130114 smirnov.2520@vniim.ru | VNIIM Russia BelGIM Belarus GUM, Poland DNDI «Systema» Ukraine VNIIFTRI Russia INM Romania | |
| 2 | Comparison of primary calibrations of microphones according to in the frequency range from 63 Hz to 10 kHz | AUV | Key | 226/DE/01 | COOMET. AUV.A-K1 | 1.1.1; 2.1.1; 3.1.1; 2.2.1; 3.1.2; 4.1.1; 6.1.1 | 2002 | PTB, T.Fedtke PTB, 19Lab 1.41 Bundesallee 100 D- 38116 Braunschweig, Germany Phone: +49 (0) 531 592 1511 Fax:+49 (0) 531 592 69 1511 thomas.fedtke@ptb.de | PTB Germany GUM, Poland VNIIFTRI Russia SMU Slovakia UME Turkey DNDI «Systema» Ukraine | Draft B in progress |
| 3 | Bilateral Comparison of primary calibrations of microphones according to in the frequency range from 63 Hz to 10 kHz | AUV | Key | 316/UA/04 | COOMET. AUV.A-K1.1 | 1.1.1; 2.1.1; 3.1.1; 2.2.1; 3.1.2; 4.1.1; 6.1.1 | 2004 | PTB, T.Fedtke PTB, 19Lab 1.41 Bundesallee 100 D- 38116 Braunschweig, Germany Phone: +49 (0) 531 592 1511 Fax:+49 (0) 531 592 69 1511 E-mail: thomas.fedtke@ptb.de | PTB Germany DNDI «Systema» Ukraine INM Romania | Draft A in progress |

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| 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 11 |
| 4 | Сличение национальных эталонов единиц электрической емкости и тангенса угла потерь | EM | Key | 345/UA/05 | COOMET.EM-K4 | 4.2.1 | 2006 | Ukrmetrteststandast O.Akhmadov 03143, Kiev Metrologicheskaya st., 4 Ukraine Phone: +38 0 44 526 55 68 Fax: +38 0 44 526 55 68 ermatec@ukrcsm.kiev.ua | Ukrmetrteststandast Ukraine BelGIM Belarus PTB Germany SMU Slovakia VNIIM Russia NCM Bulgaria INM(Ro) Romania | |
| 5 | Сличение национальных эталонов единиц электрической емкости и тангенса угла потерь | EM | Supplementary | 345/UA/05 | COOMET.EM-S4 | 4.2.1 | 2006 | Ukrmetrteststandast O.Akhmadov 03143, Kiev Metrologicheskaya st., 4 Ukraine Phone: +38 0 44 526 55 68 Fax: +38 0 44 526 55 68 ermatec@ukrcsm.kiev.ua | Ukrmetrteststandast Ukraine BelGIM Belarus PTB Germany SMU Slovakia VNIIM Russia NCM Bulgaria INM(Ro) Romania | |
| 6 | Comparison of AC/DC voltage transfer standards | EM | Supplementary | 273/RU-a/03 | COOMET.EM-S1 | 5.1.2 | 2004 | VNIIM Telitchenko G. 19 Moskovsky av, 190005, Saint-Petersburg, Russia Phone. +7-812-323-96-20 Fax:+7-812-143-01-14 G.P.Telitchenko@vniim.ru | VNIIM Russia Ukrmetrteststandast Ukraine | |

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| 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 11 |
| 7 | Performance of comparison measurements of testing standard equipment working in the gas flowrate range: A) (0,06 - 10) m ³ .h ⁻¹ B) (100 - 1000) m ³ .h ⁻¹ | F | Supplementary | 219/SK-a/00 | - | 9.2.1 | 2006 | SMU Slovak Institute of Metrology, Makovník Štefan, Karloveská 63, 842 55 Bratislava, SLOVAKIA, Tel: + 421 2 6029 4337, Fax: + 421 2 6029 4332, E-mail: makovnik@smu.gov.sk | SMU, Slovakia PTB, Germany LEI, Lithuania BelGIM, Belarus VNIIR, Russia SE "Ivano-Frankovsk standardmetrology", Ukraine NISM, Moldovia | |
| 8 | Comparison of comparators with photoelectric microscopes | L | Supplementary | 277/Ua/03 | COOMET.L-S1 | 2.3.1 | 2006 | NSC IM Zimokosov G. 61002, Kharkov, Mironositskaya St., Ukraine Phone:+380 572 403352 Fax: +380 57 7003447 solovyov@metrology.kharkov.ua | NSC IM Ukraine PTB Germany SMU Slovakia VNIIM Russia | |
| 9 | Comparison of gear standards | L | Supplementary | 109/Ua/92 314/Ua/04 | COOMET.L-S2 | 5.3.1-5.3.5 | 2006 | NSC IM Gafanovich G. 61002, Kharkov, Mironositskaya St., Phone:+380 572 403352 Fax: +380 57 7003447 gafanovich@metrology.kharkov.ua | NSC IM Ukraine BelGIM Belarus PTB Germany | |
| 10 | Comparison of interferometers End standard Length: 100 mm | L | Supplementary | 265/Ua/02 | COOMET.L-S3 | 2.2.1 | 2006 | NSC IM Zimokosov G. 61002, Kharkov, Mironositskaya St., Ukraine Phone:+380 572 403352 Fax: +380 57 7003447 solovyov@metrology.kharkov.ua | NSC IM Ukraine VNIIM Russia BelGIM Belarus | |
| 11 | Comparison of interferometers End standard Length: 1000 mm | L | Supplementary | 278/Ua/03 | COOMET.L-S4 | 2.2.2 | 2006 | NSC IM Zimokosov G. 61002, Kharkov, Mironositskaya St., Ukraine Phone:+380 572 403352 Fax: +380 57 7003447 solovyov@metrology.kharkov.ua | NSC IM Ukraine PTB Germany SMU Slovakia VNIIM Russia | |

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| 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 11 |
| 12 | Comparison of range-finder equipment of higher precision | L | Supplementary | 283/Ua/03 | COOMET.L-S5 | 6.4.1 | 2004 | <p>NSC IM Kupko V. 61002, Kharkov, Mironositskaya St., Phone: 38 057 704 98 54 Fax:38 057 700 34 47 kupko@metrology.kharkov.ua</p> | <p>NSC IM Ukraine</p> <p>BelGIM Belarus</p> | |
| 13 | The comparison of the evolvement surface standards | L | Supplementary | 314/Ua/03 | COOMET.L-S6 | 5.3.4 | 2004 | <p>NSC IM Gafanovich G. 61002, Kharkov, Mironositskaya St., Phone:+380 572 403352 Fax: +380 57 7003447 gafanovich@metrology.kharkov.ua</p> | <p>NSC IM Ukraine</p> <p>PTB Germany</p> | |
| 14 | Comparisons of the external diameter (plug gages) standards | L | Key | 332/Ru/05 | COOMET.L-K4.b | 2.4.1 | 2006 | <p>VNIIM Abramova L. 19 Moskovsky av, 190005, Saint-Petersburg, Russia Phone/Fax 323-96-69 L.Ju.Abramova@vniim.ru</p> | <p>VNIIM, Russia</p> <p>NSC IM, Ukraine</p> <p>BelGIM, Belarus</p> <p>INM(RO) Romania</p> | |
| 15 | Comparison of mass standards (1 kg) | M | Key | 257/SK/02 | COOMET.M.M-K1 | 1.1.1 | 2002 | <p>SMU R. R.Spurny Karloveska 63 842 55 Bratislava, Slovakia (Slovak Republic) Phone: +421 260 294 350 Fax: +421 265 429 592 spurny@smu.gov.sk</p> | <p>SMU, Slovakia</p> <p>PTB, Germany</p> <p>GUM, Poland</p> <p>VNIIM, Russia</p> <p>VMT, Lithuania</p> <p>NSC IM, Ukraine</p> <p>PTB, Germany</p> | |
| 16 | Pressure measurements in gas (gauge mode) | M | Key | 294/RU/03 | COOMET.M.P-K1 | 3.2.1 | 2004 | <p>VNIIM Kiselev Yu. 19 Moskovsky av, 190005, Saint-Petersburg, Russia Phone/fax +7 812 323 96 29 v.n.gorobey@vniim.ru</p> | <p>VNIIM, Russia</p> <p>SMU, Slovakia</p> <p>PTB, Germany</p> <p>VMT Lithuania</p> <p>BelGIM Belarus</p> <p>INM(RO) Romania</p> | |

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| 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 11 |
| 17 | Comparisons of Vickers Hardness Scales | M | Key | 303/DE/04 | COOMET.M.H-K1.b COOMET.M.H-K1.b | 7.1.1 | 2004 | PTB K.Hermann Bundesallee 100 D-38116 Braunschweig, Germany Phone: +49 (0) 531 592 5140 Fax: +49 (0) 531 592 5105 : konrad.herrmann@ptb.de | PTB Germany VNIIFTRI Russia | Draft B in progress |
| 18 | International Comparisons of the National Pressure Standards in the Field of Gauge Pressure in the range (10 - 100) MPa | M | Key | 331/LT/05 | COOMET. M.P-K2 | 3.2.1 | 2006 | VMC K.Dapkeviciene S.Darius and S.Gireno, 23, LT-02189, Lithuania Phone. +370 5 230 6276 Fax +370 5 230 63 64 pressure@vmc.lt | VNIIM Russia BelGIM Belarus PTB Germany VMT Lithuania SMU Slovakia NSC IM Ukraine NPL UK | |
| 19 | Viscosity measurements of standard liquids | M | Ключевое | 333/RU/05 | COOMET.M.V-K1 | 6.1.1 6.2.1 6.3.1 | 2005 | VNIIM N.Domostroeva 19 Moskovsky av, 190005, Saint-Petersburg, Russia phone. +7 812 323 96 71 fax. +7 812 323 96 71 n.g.domostroeva@vniim.ru | VNIIM Russia BelGIM Belarus NSC IM Ukraine NCM Bulgaria | |
| 20 | Key comparison of Brinell and Vickers hardness scales | M | Key | 341/RU/05 | - | 7.1.1 | 2006 | VNIIFTRI E.Aslyan Mendeleevo, Moscow region 141570 Russia Phone: +7 495 7448181 Fax: +7 495 7448181 Edward.alanyan@vniiftri.ru | VNIIFTRI Russia BelGIM Belarus NSC IM Ukraine KazInMetr Kazakhstan | |

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| 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 11 |
| 21 | Regional Key Comparison of National Measurement Standards of Air Kerma for Co-60 Gamma-Radiation Energy | RI | Key | 319/Ru/04 | COOMET. RI(I)-K1 | 1.7.7 | 2006 | PTB, L.Bueermann PTB, 19Lab 1.41 Bundesallee 100 D-38116 Braunschweig, Germany Phone: +49 531 592 6620 FAX: +49 531 592 6015 ludwig.bueermann@ptb.de | PTB Germany | |
| 22 | Comparisons of Rn-222 volume activity primary standard | RI | Supplementary | 169/UA/98 | COOMET. RI(II)-S1.Rn-222 | 2.4.2.1-Rn-222 | 2005 | NSC IM Sklyarov V. 61002, Kharkov, Mironositskaya St., Phone: +38-067-970-21-31 Fax: +38-057-700-34-47 svv@metrology.kharkov.ua | NSC IM Ukraine | |
| | | | | | | | | | VNIIFTRI Russia | |
| | | | | | | | | | BelGIM Belarus | |
| | | | | | | | | | VNIIM Russia | |
| | | | | | | | | | RMTC Latvia | |
| | | | | | | | | | PTB Germany | |
| 23 | Comparison measurements of radionuclide volume sources (Cs-137) | RI | Supplementary | 319/Ru/04 | COOMET. RI(II)-S2. Cs-137 | 2.2.4.2-Cs-137 | 2005 | VNIIFTRI Korostin S. Mendeleevo, Moscow region 141570 Russia Phone: (095) 535 93 05 Fax: (095) 744 81 75 ir@vniiftri.ru | VNIIFTRI Russia | |
| | | | | | | | | | BelGIM Belarus | |
| | | | | | | | | | NSC IM Ukraine | |
| | | | | | | | | | NCM Bulgaria | |
| | | | | | | | | | CENTIS-DMR CUba | |
| | | | | | | | | | SMU Slovakia | |
| | | | | | | | | | PTB Germany | |
| | | | | | | | | | RMTC Latvia | |
| | | | | | | | | | MoE-ISR Israel | |

IN PROGRESS

| № | Name | Subject field | Type | COOMET project No | KCDB reference | CMCs supported | Date of start | NMI- pilot, contact person | Participants | Comments |
|----|---|---------------|---------------|-------------------------|----------------------------|--|---------------|---|---|----------|
| 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 11 |
| 24 | Comparison measurements of radionuclide volume sources (Eu-152) | RI | Supplementary | 319/Ru/04 | COOMET. RI(II)-S2. Cs-152 | 2.2.4.1-Eu-152 | 2005 | VNIIFTRI Korostin S. Mendeleevo, Moscow region 141570 Russia Phone: (095) 535 93 05 Fax: (095) 744 81 75 ir@vniiftri.ru | VNIIFTRI Russia BelGIM Belarus NSC IM Ukraine NCM Bulgaria CENTIS-DMR CUba SMU Slovakia PTB Germany RMTc Latvia MoE-ISR Israel | |
| 25 | Comparison measurements of radionuclide volume sources (Sr/Y-90) | RI | Supplementary | 319/Ru/04 | COOMET. RI(II)-S2. Sr/Y-90 | 2.2.4.1-Sr/Y-90 2.2.4.2-Sr/Y-90 | 2005 | VNIIFTRI Korostin S. Mendeleevo, Moscow region 141570 Russia Phone: (095) 535 93 05 Fax: (095) 744 81 75 ir@vniiftri.ru | VNIIFTRI Russia NSC IM Ukraine PTB Germany MoE-ISR Israel | |
| 26 | Comparison of ITS-90 realizations by partners in the range 234,3156 to 429,7485 K | T | Key | 227/RU/01, 229/UA/01 | COOMET.T.-K3 | 1.1.1, 1.3.1,1.3.2, 2.2.2, 2.3.1 | 2001 | VNIIM Pokhodun A. 19 Moskovsky av, 190005, Saint-Petersburg, Russia Phone/Fax 107 812 315 5207 A.I.Pokhodun@vniim.ru | VNIIM Russia NSC IM Ukraine BelGIM Belarus SMU Slovakia INIMET Cuba | |

3. COMPLETED COMPARISONS

| № | Name | Subject field | Type | COOMET project No | KCDB reference | CMCs supported | Date of start | NMI- pilot, contact person | Participants | Comments |
|---|--|---------------|-------|-------------------|--------------------------|--|---------------|--|---|--|
| 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 11 |
| 1 | Comparison for the primary method of pressure calibration laboratory standard microphones in the range of frequencies from 20 Hz to 20 kHz | AUV | key | 323/UA/04 | COOMET. AUV.A-K3 | 1.1.1; 2.1.1; 2.2.1; 3.1.1; 3.1.2; 4.1.1 | 2005 | DPLA K. Rasmussen Department of Acoustic Technology Oerstedts Plads Bldg. 352, DTU DK-2800 Kgs. Lyngby, Denmark Phone: + 45 45 25 39 37 Fax: + 45 45 88 05 77 E-mail: kr@oersted.dtu.dk | DPLA Denmark DNDI «Systema» Ukraine GUM, Poland VNIIFTRI Russia INM Romania | Completed 2007 Published in App.B |
| 2 | Bilateral comparison by method of pressure calibration of microphones type WS1 and WS2 using electrostatic actuator method | AUV | Pilot | 337/BY/05 | - | 1.1.1 | 2005 | BelGIM Pozdeeva V. 93, Starovilensky trakt, Minsk, 220053, Belarus phone: +375 17 288 07 35 fax: . +375 17 288 09 38 vpozdeeva@belgim.belpak.minsk.by | VNIIFTRI Russia BelGIM Belarus | Completed 2006 |
| 3 | Bilateral comparison of the air pressure National standards by method voltage | AUV | Pilot | 369/BY/05 | - | 1.1.1 | 2005 | BelGIM Pozdeeva V. 93, Starovilensky trakt, Minsk, 220053, Belarus phone: +375 17 288 07 35 fax: . +375 17 288 09 38 vpozdeeva@belgim.belpak.minsk.by | VNIIFTRI Russia BelGIM Belarus | Completed 2006 |
| 4 | Comparison of national measurement standards of Volt of Russia and Belarus on stabilitrans (voltage-reference diode) by using transfer standards | EM | Key | 342/BY/05 | COOMET.EM.BI PM-K11.a | | 2006 | VNIIM A.Katkov 19 Moskovsky av, 190005, Saint-Petersburg, Russia Phone +7 812 3239619 Fax +7 812 1130114 a.s.katkov@vniim.ru | VNIIM Russia BelGIM Belarus NSC IM Ukraine | |

COMPLETED

| № | Name | Subject field | Type | COOMET project No | KCDB reference | CMCs supported | Date of start | NMI- pilot, contact person | Participants | Comments |
|---|--|---------------|---------------|-------------------|----------------|----------------|---------------|--|------------------------------|---|
| 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 11 |
| 5 | Comparisons of national standards of the units of luminous intensity and illumination | PR | Supplementary | 291/BY/03 | - | 1.4.1 | 2003 | BelGIM Tarasova O. 93, Starovilensky trakt, Minsk, 220053, Belarus phone. 234-98-20 fax: 2880938 optic@belgim.belpak.minsk.by | BelGIM Belarus | Finished in 2004 References "Metrologia and device design" BelGIM proceedings, Abstracts of 14 conference "Photometry and its metrology supporting) |
| 6 | Comparisons of the internal ring diameters standards | L | Supplementary | 181/RU-a/99 | - | 2.4.2 | 2000 | VNIIM Abramova L. 19 Moskovsky av, 190005, Saint-Petersburg, Russia Phone/Fax 323-96-69 L.Ju.Abramova@vniim.ru | VNIIM Russia | Measurement Technique, 1, 2006, p.65 |
| | | | | | | | | | NSC IM Ukraine | |
| | | | | | | | | | BelGIM Belarus | |
| | | | | | | | | | Ukrmetrtests tandast Ukraine | |
| 7 | Comparisons of Reference materials of paper against whiteness characteristic | PR | Pilot | 296/BY/03 | - | no | 2004 | BelGIM Tarasova O. 93, Starovilensky trakt, Minsk, 220053, Belarus phone. 234-98-20 fax: 2880938 optic@belgim.belpak.minsk.by | BelGIM Belarus | |
| | | | | | | | | | VNIIOFI Russia | |
| | | | | | | | | | Ukrmetrtests tandast Ukraine | |
| 8 | International comparisons of standards reference materials - gas mixtures, containing CO ₂ , CO, C ₃ H ₈ in nitrogen (automobile gases) | QM | Key | 312/Ru/04 | COOMET. QM-K3 | 4.2 | 2004 | VNIIM Konopelko L. 19 Moskovsky av, 190005, Saint-Petersburg, Russia phone:(7-812) 315 11 45 fax: (7-812) 327 97 76 konop@mail.rcom.ru | VNIIM Russia | |
| | | | | | | | | | Ukrmetrtests tandast Ukraine | |
| | | | | | | | | | BelGIM Belarus | |
| | | | | | | | | | PTB Germany | |

COMPLETED

| № | Name | Subject field | Type | COOMET project No | KCDB reference | CMCs supported | Date of start | NMI- pilot, contact person | Participants | Comments |
|----|--|---------------|---------------|-------------------|-----------------------------|----------------|---------------|---|--|----------|
| 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 11 |
| 9 | Comparisons of phosphate potassium (KH ₂ PO ₄) and phosphate sodium (Na ₂ HPO ₄) reference buffer aqua solutions at the temperatures 15°C, 25°C, and 37°C. | QM | Pilot | 322/Ru/04 | - | 6 | 2005 | VNIIFTRI Karpov O. Mendeleev, Moscow region 141570 Russia Phone: (095) 535 08 62 Fax: (095) 534 00 84 mera@vniiftri.ru | VNIIFTRI Russia BelGIM Belarus SMU Slovakia | |
| 10 | Activity concentration of the same Am-241 solution | RI | Key | 359/RU/06 | COOMET.RI(II)- K2.Am-241 | 2.2.3.1-Am-241 | 2006 | VNIIM I.Kharitonov 19 Moskovsky av, 190005, Saint-Petersburg, Russia Phone. +7 812 323 96 11 Fax. +7 812 323 96 17 khia@vniim.ru | VNIIM Russia BelGIM Belarus CENTIS- DMR Cuba | |
| 11 | Comparisons of standards of spectral coefficients of directional transmission in ultra-violet (UV) and visible (VIS) spectrum range. | PR | Supplementary | 269/BY/03 | - | 4.1.1 | 2003 | BelGIM Tarasova O. 93, Starovilensky trakt, Minsk, 220053, Belarus phone. 234-98-20 fax: 2880938 optic@belgim.belpak.minsk.by | BelGIM Belarus VNIIOFI Russia Ukrmetrtests tandast Ukraine | |