



**COOMET Document**

**COOMET  
D9/2012  
(November 2011)**

**COOMET Program of comparisons**

*Approved at the 16<sup>th</sup> meeting of COOMET President's Council (Rostov-on-Don, Russia, 16–17 November 2011)*

**APPROVED**

**Vladimir Krutikov**  
**Acting COOMET President**  
*16 November 2011*

**COOMET PROGRAMM OF COMPARISONS**

*(as of November 05, 2011)*

## PLANNED COMPARISONS

№	Name	Subject field	Type	COOMET project No	KCDB reference	CMCs supported	Date of start	NMI- pilot, contact person	Participants
1	2	3	4	5	6	7	8	9	10
1	Comparison of measurements of velocity of longitudinal ultrasonic wave propagation in solid media by impulse method	AUV	Pilot	482/BY/09	-	-	2010	BelGIM Pozdeeva V. 93, Starovilensky trakt, Minsk, 220053, Belarus phone. +375 17 288 07 35 fax: . +375 17 288 09 38 <a href="mailto:vpozdeeva@belgim.belpak.minsk.by">vpozdeeva@belgim.belpak.minsk.by</a>	BelGIM, Belarus Ukrmetrteststandard Ukraine
2	Comparisons of free-field hydrophone calibrations in a lab water tank at low sound frequencies (from 250 Hz to 8 kHz)	AUV		531/RU/11		11.1.1 12.1.1	2012	A.Isaev VNIIFTRI Moscow region 141570 Russia Phone: +7 (495) 535-93-13 Fax : +7 (495) 535-93-13 <a href="mailto:enyakov@vniiftri.ru">enyakov@vniiftri.ru</a>	VNIIFTRI, Russia  HAARI, China
3	Comparison of national standards of ultrasonic power unit in the frequency range of 2 to 15 MHz	AUV		535 UA/11		13.1.1	2012	V.Chaliy Systema 79008, Lvov, Krivonos st., 6 Ukraine Phone: +38 032 239 92 23 Fax: +38 032 274 21 49 <a href="mailto:v-chalyy@dndi-systema.lviv.ua">v-chalyy@dndi-systema.lviv.ua</a>	VNIIFTRI, Russia  Systema, Ukraine
4	AC power measurements	EM	Supplementary	344/UA/05	COOMET.EM-S2		2009	Ukrmetrteststandast O.Akhmadov 03143, Kiev Metrologicheskaya st., 4 Ukraine Phone: +38 0 44 526 55 68 Fax: +38 0 44 526 55 68 <a href="mailto:ermatec@ukrcsm.kiev.ua">ermatec@ukrcsm.kiev.ua</a>	Ukrmetrteststandard Ukraine BelGIM Belarus BIM Bulgaria KazInMetr Kazakhstan
5	Comparison of AC voltage ratio standards	EM	Supplementary	396/UA/07	COOMET.EM-S5		2009	Ukrmetrteststandard V.Kikalo 4, Metrologicheskaja str., 03143, Kyiv, Ukraine Phone: +380(44) 526-34-85 Fax : +380(044) 526-36-69 <a href="mailto:hivolt@ukrcsm.kiev.ua">hivolt@ukrcsm.kiev.ua</a>	Ukrmetrteststandard Ukraine VNIIMS Russia BelGIM Belarus GEOSTM Georgia

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1	2	3	4	5	6	7	8	9	10
6	Comparison of Standards the units of electromagnetic power flux density (W/m <sup>2</sup> ) at frequencies of 2,45 GHz and 10,0 GHz	EM	Supplementary	267/RU/02			2009	VNIIFTRI S.Kolotygin. Mendeleevo, Moscow region 141570 Russia Phone: +7 495 535 91 65 Fax: +7 495 535 93 34 <a href="mailto:lab202@vniiftri.ru">lab202@vniiftri.ru</a>	VNIIFTRI Russia BelGIM Belarus
7	Comparisons Standards of amplitude modulation depth HF oscillations at carrier frequency	EM	Supplementary	468/RU/09	-	-	2009	VNIIFTRI Mylnikov A.V Mendeleevo, Moscow region 141570 Russia Phone: +7 495 535 91 65 Fax: +7 495 535 93 34 <a href="mailto:lab202@vniiftri.ru">lab202@vniiftri.ru</a>	VNIIFTRI Russia BelGIM Belarus NSC IM Ukraine NMI Slovenia SCL China
8	Comparisons of the inductance standards for the working frequencies up to 10 MHz	EM	Supplementary	469/RU/09	COOMET.EM-S8		2009	SNIIM Matveichuk V.F. prospect Dimitrova 4, Novosibirsk 630004, Russia Phone +7 383 2100814 Fax: +7 383 2101360 <a href="mailto:director@snim.siberia.net">director@snim.siberia.net</a>	SNIIM Russia CMI Czech Republic CNEUZ Uzbekistan Ukrmetrteststandard Ukraine
9	Comparisons of national standards in the field of measuring the ratio and angle scaling conversion of sinusoidal current (MPST) in the range I ... 10000A/5A(1A)	EM	Pilot	470/RU-a/09			2009	UNIIM Zaharov B.V. 4, Krasnoarmeiskaya ul., Ekaterinburg, 620000, Russia Phone +7 8.343 350 20 65 Fax: +7 8.343 3502313 <a href="mailto:lemma@uniim.ru">lemma@uniim.ru</a>	UNIIM Russia Ukrmetrteststandard Ukraine GNASTRM Georgia
10	Comparisons of volume of liquids	F	Supplementary			9.5.1	2010	INIMET National Research Institute of Metrology Cuba Jose Franco, Calle E №.261 entre 11 y 13 Vadelo, LA HABANA 10400, CUBA Тел.: (53-7) 8623041-44 Факс: (53-7) 86769-66 E-mail: <a href="mailto:franco@inimet.cu">franco@inimet.cu</a>	INIMET Cuba NISM Moldova NSC IM Ukraine

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1	2	3	4	5	6	7	8	9	10
11	Comparison of standards in field of hot water flow measurement	F	Supplementary	532/UA/11			2011	PTB Gudrun Wendt Bundesallee 100, D-38116 Braunschweig, GERMANY Тел.: +49 531 592 1500 Факс: +49 531 592 140534 47 <a href="mailto:Gudrun.Wendt@ptb.de">Gudrun.Wendt@ptb.de</a>	Ukrmetrteststandast Ukraine SMU Slovakia PTB Germany
12	Comparison of 24-sided polygon	L	Supplementary	460/SK/09			2009	SMU Mokros, Karloveská 63, 842 55 Bratislava, SLOVAKIA, Тел.: + 421 2 60294 253 Факс: +421 2 65429 592 <a href="mailto:mokros@smu.gov.sk">mokros@smu.gov.sk</a>	SMU Slovakia KazInMetr Kazakhstan
13	The comparison of the flatness standards	L	Supplementary	313/UA/08	COOMET.L-S10	2.3.7	2009	NSC IM Kupko V.. 61002, Kharkov, Mironositskaya St., Phone: 38 057 704 98 54 Fax:38 057 700 34 47 <a href="mailto:kupko@metrology.Kharkov.ua">kupko@metrology.Kharkov.ua</a>	NSC IM Ukraine VNIIMS Russia
14	Pilot comparisons in the field of measuring the aqueous glucose solutions	QM	Pilot	362/RU/06	-	10.1	2010	VNIIM Konopelko L.A. 19 Moskovsky av, 190005, Saint-Petersburg, Russia phone:(7-812) 315 11 45 fax: (7-812) 327 97 76 <a href="mailto:lkonop@b10.vniim.ru">lkonop@b10.vniim.ru</a>	VNIIM Russia VNIIFTRI Russia Ukrmetrteststandast Ukraine BelGIM Belarus SMU Slovakia

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1	2	3	4	5	6	7	8	9	10
15	Pilot comparison in the field of blood elements studies	QM	Pilot	367/RU/06	-	10.1	2010	VNIIM Konopelko L.A. 19 Moskovsky av, 190005, Saint-Petersburg, Russia phone:(7-812) 315 11 45 fax: (7-812) 327 97 76 <a href="mailto:ikonop@b10.vniim.ru">ikonop@b10.vniim.ru</a>	VNIIM Russia VNIIFTRI Russia Ukrmetrteststandast Ukraine BelGIM Belarus (List in progress)
16	Key/PilotComparisons of the low electrical conductivity of solutions	QM	key	In progress	-	7	2009	VNIIM Konopelko L.A. 19 Moskovsky av, 190005, Saint-Petersburg, Russia phone:(7-812) 315 11 45 fax: (7-812) 327 97 76 <a href="mailto:ikonop@b10.vniim.ru">ikonop@b10.vniim.ru</a>	VNIIM Russia VNIIFTRI Russia SMU Slovakia Ukrmetrteststandast Ukraine BelGIM Belarus KazInMetr Kazakhstan (List in progress)
17	Supplementary comparisons in the field of moisture mass fraction measurements in cereal grain and cereal products	QM	Supplementary	479/RU/09	-	11.4	2009	UNIIM V.I.Koryakov 620000, Yekaterinburg Krasnoarmeiskaya ul.4 Russia Phone (8-343) 350 16 98 Fax (8-343) 350 25 43 <a href="mailto:korukov@uniim.ru">korukov@uniim.ru</a>	UNIIM, Russia Ukrmetrteststandast Ukraine BelGIM Belarus PTB Germany SM Chemistry and Material technology Sweden KazInMetr Kazkhstan
18	Electrolytic conductivity 0,5 S/m	QM	key	540/UA/11	COOMET.QM-K36		2011	SMU Karloveská 63, 842 55 Bratislava, SLOVAKIA, Тел.: + 421 2 60294 202 Факс: +421 2 65429 592	Ukrmetrteststandast BelGIM Belarus VNIIM Russia VNIIFTRI Russia GEOSTM Georgia INDECOPI Peru SMU Slovakia KazInMetr Kazkhstan

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1	2	3	4	5	6	7	8	9	10
19	Comparison of the national standards of air kerma for Cs-137 at protection level	RI	Key	445/DE/08		1.6.8	2009	PTB, L.Bueermann PTB, 19Lab 1.41 Bundesallee 100 D-38116 Braunschweig, Germany Phone: +49 531 592 6620 FAX: +49 531 592 6015 <a href="mailto:ludwig.bueermann@ptb.de">ludwig.bueermann@ptb.de</a>	PTB Germany BelGIM Belarus CHPR Cuba NISM Moldova GEOSTM Georgia
20	Comparison of the national standards of air kerma for low-energy x-rays	RI	Key	446/DE/08		1.6.4	2009	PTB, L.Bueermann PTB, 19Lab 1.41 Bundesallee 100 D-38116 Braunschweig, Germany Phone: +49 531 592 6620 FAX: +49 531 592 6015 <a href="mailto:ludwig.bueermann@ptb.de">ludwig.bueermann@ptb.de</a>	PTB Germany BelGIM Belarus CHPR Cuba NISM Moldova GEOSTM Georgia
21	Comparison of the national standards of air kerma for medium-energy x-rays	RI	Key	447/DE/08		1.6.5	2009	PTB, L.Bueermann PTB, 19Lab 1.41 Bundesallee 100 D-38116 Braunschweig, Germany Phone: +49 531 592 6620 FAX: +49 531 592 6015 <a href="mailto:ludwig.bueermann@ptb.de">ludwig.bueermann@ptb.de</a>	PTB Germany BelGIM Belarus CHPR Cuba
22	Comparisons of national standards of the unit of combustion energy	T	Supplementary	228/UA-a/01			2009	VNIIM E.Korchagina 19 Moskovsky av, 190005, Saint-Petersburg, Russia Phone + 812 3239639 Fax +7 812 7130114 <a href="mailto:n.e.korchagina@vniim.ru">n.e.korchagina@vniim.ru</a>	VNIIM Russia NSC IM Ukraine

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1	2	3	4	5	6	7	8	9	10
23	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	2009	VNIIM Pokhodun A. 19 Moskovsky av, 190005, Saint-Petersburg, Russia Phone/Fax 107 812 315 5207 <a href="mailto:A.I.Pokhodun@vniim.ru">A.I.Pokhodun@vniim.ru</a>	VNIIM Russia NSC IM Ukraine BelGIM Belarus SMU Slovakia INIMET Cuba
24	Comparison of national standards of the unit of temperature at the fixed points of silver, gold and copper freezing	T	Key	387/UA/07	COOMET.T-K5		2009	NSC IM R.Sergienko 61002, Kharkov, Mironositskaya St., Ukraine Phone.: +38 057 7049806 Fax: +38 057 7003447 <a href="mailto:rymma.sergiyenko@metrology.kharkov.ua">rymma.sergiyenko@metrology.kharkov.ua</a>	VNIIM Russia NSC IM Ukraine
25	Regional comparisons of national measurement standards of the triple point of water for temperature measurements	T	Key	395/BY/07	COOMET.T-K7		2008	BelGIM T.Dikun 93, Starovilensky trakt, Minsk, 220053 Belarus тел. + 375 17 233 04 21 факс: + 375 17 288 09 38 <a href="mailto:dikun@belgim.by">dikun@belgim.by</a>	BelGIM Belarus
26	Comparisons of national standards of the unit of temperature at the fixed points of gallium melting, indium, tin and zinc freezing.	T	Supplementary	417/UA-a/08	COOMET.T-S1		2008	VNIIM Pokhodun A. 19 Moskovsky av, 190005, Saint-Petersburg, Russia Phone/Fax 107 812 315 5207 <a href="mailto:A.I.Pokhodun@vniim.ru">A.I.Pokhodun@vniim.ru</a>	VNIIM Russia NSC IM Ukraine
27	Comparison of National time and frequency standards with help of RF scale UTC(SU)	TF	Key	398/RU/07		1.1 1.2	2008	VNIIFTRI V.Palchikov Mendeleevo, Moscow region 141570 Russia Phone:+7 495 5359291 Fax: +7 495 5359334 <a href="mailto:ir@vniiftri.ru">ir@vniiftri.ru</a>	VNIIFTRI Russia NSC IM Ukraine BelGIM Belarus

## CURRENT COMPARISONS

№	Name	Subject field	Type	COOMET project No	KCDB reference	CMCs supported	Date of start	NMI- pilot, contact person	Participants
1	2	3	4	5	6	7	8	9	10
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 <a href="mailto:smirnov.2520@vniim.ru">smirnov.2520@vniim.ru</a>	VNIIM Russia BelGIM Belarus GUM Poland Systema Ukraine VNIIFTRI Russia INM Romania
2	Comparison of national standards for sound pressure (Pa) in air using calibration of working standard microphones	AUV	Supplementary	434/BY/08	COOMET.AUV. A-S1	1.1.1 2.1.1 3.1.1	2009	BelGIM Pozdeeva V. 93, Starovilensky trakt, Minsk, 220053, Belarus phone. +375 17 288 07 35 fax: . +375 17 288 09 38 <a href="mailto:vpozdeeva@belgim.belpak.minsk.by">vpozdeeva@belgim.belpak.minsk.by</a>	BelGIM Belarus Systema, Ukraine SMU, Slovakia, VNIIFTRI Russia
3	Comparison of measurements of velocity of longitudinal ultrasonic wave propagation in solid media by impulse method.	AUV	Pilot	482/BY/09	-	-	2010	BelGIM Pozdeeva V. Dobrov A. 93, Starovilensky trakt, Minsk, 220053, Belarus phone. +375 17 288 07 35 fax: . +375 17 288 09 38 <a href="mailto:vpozdeeva@belgim.belpak.minsk.by">vpozdeeva@belgim.belpak.minsk.by</a>	BelGIM Belarus Ukrmetrteststandar Ukraine Dneprstandartmetrologia Ukraine
4	International comparisons of the State Standards of electrical capacitance and tangent of losses	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 <a href="mailto:ermatec@ukrcsm.kiev.ua">ermatec@ukrcsm.kiev.ua</a>	Ukrmetrteststandast Ukraine BelGIM Belarus PTB Germany SMU Slovakia VNIIM Russia NCM Bulgaria INM(Ro) Romania



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1	2	3	4	5	6	7	8	9	10
5	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 <a href="mailto:G.P.Telitchenko@vniim.ru">G.P.Telitchenko@vniim.ru</a>	VNIIM Russia Ukrmetrteststandast Ukraine
6	International comparisons of the State Standards of electrical capacitance and tangent of losses	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 <a href="mailto:ermatec@ukrcsm.kiev.ua">ermatec@ukrcsm.kiev.ua</a>	Ukrmetrteststandast Ukraine BelGIM Belarus PTB Germany SMU Slovakia VNIIM Russia NCM Bulgaria INM(Ro) Romania
7	Comparisons of reference instruments measuring high voltage alternating current	EM	Supplementary	411/RU-a/07	COOMET. EM-S6		2008	VNIIMS Kiselev D.B. 46, Ozernaya str., 119361 Moscow, Russia Phone: +7 4954306920 Fax: +7 495 4306920 <a href="mailto:kiseliev@vniims.ru">kiseliev@vniims.ru</a>	VNIIMS Russia HUT - Helsinki University of Technology Finland SP - Technical Research Institute of Sweden Sweden Ukrmetrteststandast Ukraine
8	Comparisons of DC high voltage measuring reference instruments	EM	Supplementary	449/RU/08	COOMET.EM-S7		2009	VNIIMS T.Dubrovinskaya 46, Ozernaya str., 119361 Moscow, Russia Phone: +7 (495)4306920 Fax: +7 (495)4306920 <a href="mailto:tatiana_d@vniims.ru">tatiana_d@vniims.ru</a>	VNIIMS Russia Ukrmetrteststandast Ukraine LCOE Spain

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1	2	3	4	5	6	7	8	9	10
9	Comparison of Standards the units of electromagnetic power flux density (W/m <sup>2</sup> ) at frequencies of 2,45 GHz and 10,0 GHz	EM	Supplementary	267/RU/02	COOMET.EM.RF-S1		2009	VNIIFTRI S.Kolotygin, Mendeleev, Moscow region 141570 Russia Phone: +7 495 535 91 65 Fax: +7 495 535 93 34 <a href="mailto:lab202@vniiftri.ru">lab202@vniiftri.ru</a>	VNIIFTRI Russia BelGIM Belarus Ukrmetrteststandast Ukraine
10	Comparisons of mass and volume units national standards in the flowrate range from 60 to 10 <sup>5</sup> kg/h (from 0,06 to 100 m <sup>3</sup> /h)	F	Supplementary	406/UA/07	COOMET.M.FF-S2	9.1.1 9.3.1	2009	PTB Gudrun Wendt Bundesallee 100, D-38116 Braunschweig, GERMANY Тел.: +49 531 592 1500 Факс: +49 531 592 140534 47 <a href="mailto:Gudrun.Wendt@ptb.de">Gudrun.Wendt@ptb.de</a>	PTB Germany NSC IM Ukraine SMU Slovakia VMT/LEI Lithuania BelGIM Belarus VNIIR Russia UZSTANDART Uzbekistan
11	Realization of reference gas flow meter's test rigs comparisons in flow range: (4-160) m <sup>3</sup> /h.	F	Supplementary	412/UA/07	COOMET.M.FF-S3	9.2.1	2009	Ivano-Frankovsk standardmetrology T.Kepeschuk 76007, rIvano-Frankovsk, Vovchynets'ka str., 127 Phone: +38 03422 6 89 89 Fax: +38 03422 3 02 00 <a href="mailto:dcsms@if.ukrtel.net">dcsms@if.ukrtel.net</a>	Ivano-Frankovsk standardmetrology Ukraine VNIIR Russia SMU Slovakia LEI Lithuania
12	Comparison of cold water flow calibration laboratories in a range of flow rates (3 - 20) m <sup>3</sup> /h	F	Key	452/Sk/09	COOMET.M.FF-S4	9.1.1	2009	SMU Mirislava Benkova, Karloveská 63, 842 55 Bratislava, SLOVAKIA, Тел.: + 421 2 60294 202 Факс: +421 2 65429 592 <a href="mailto:benkova@smu.gov.sk">benkova@smu.gov.sk</a>	SMU Slovakia INIMET Cuba CENAM Mexico LEI Lithuania NISM Moldova Ukrmetrteststandart Ukraine

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1	2	3	4	5	6	7	8	9	10
13	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 <a href="mailto:solovyov@metrology.Kharkov.ua">solovyov@metrology.Kharkov.ua</a>	NSC IM Ukraine PTB Germany SMU Slovakia VNIIM Russia
14	Gearing parameter initial measurement means comparison.	L	Supplementary	109/ UA/92 314/ UA/04	COOMET.L-S2	5.3.1-5.3.5	2005	NSC IM Kupko V.. 61002, Kharkov, Mironositskaya St., Ukraine Phone: 38 057 704 98 54 Fax:38 057 700 34 47 <a href="mailto:kupko@metrology.Kharkov.ua">kupko@metrology.Kharkov.ua</a>	NSC IM Ukraine VNIIMS Russia ВНИИМС Россия PTB Germany
15	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 <a href="mailto:solovyov@metrology.Kharkov.ua">solovyov@metrology.Kharkov.ua</a>	NSC IM Ukraine VNIIM Russia BelGIM Belarus
16	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 <a href="mailto:solovyov@metrology.Kharkov.ua">solovyov@metrology.Kharkov.ua</a>	NSC IM Ukraine PTB Germany SMU Slovakia VNIIM Russia

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1	2	3	4	5	6	7	8	9	10
17	Comparison of range-finder equipment of higher precision	L	Supplementary	283/UA/03	COOMET.L-S5		2004	NSC IM Kupko V.. 61002, Kharkov, Mironositskaya St., Phone: 38 057 704 98 54 Fax:38 057 700 34 47 <a href="mailto:kupko@metrology.kharkov.ua">kupko@metrology.kharkov.ua</a>	NSC IM Ukraine BelGIM Belarus
18	The comparison of the evolvement surface standards	L	Supplementary	314/Ua/03	COOMET.L-S6	5.3.4	2004	NSC IM Kupko V.. 61002, Kharkov, Mironositskaya St., Phone: 38 057 704 98 54 Fax:38 057 700 34 47 <a href="mailto:kupko@metrology.kharkov.ua">kupko@metrology.kharkov.ua</a>	NSC IM Ukraine PTB Germany
19	Comparison of length standards in the range measurement of gauge blocks	L	Supplementary	390/BY/07	COOMET.L- S7		2007	BelGIM Makarevich V. 93, Starovilensky trakt, Minsk, 220053, Belarus Phone. + 375 17 233 35 82 Fax: + 375 17 288 09 38 <a href="mailto:Makarevich@belgim.by">Makarevich@belgim.by</a>	BelGIM Belarus GUM Poland
20	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 mm, with length of surface from 0,4 to 5 m	L	Supplementary	382/RU/07	COOMET.L- S8		2007	UNIIM Leonov V. 620000, Yekaterinburg, Krasnoarmeyskaya Str., 4, Russia Phone. (343) 3502618 Fax: (343) 3502039 <a href="mailto:uniim@uniim.ru">uniim@uniim.ru</a>	UNIIM, Russia BelGIM Belarus KazInMetr Kazakhstan

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1	2	3	4	5	6	7	8	9	10
21	Comparisons of the external diameter (plug gages) standards	L	Key	332/Ru/05	COOMET.L-K4.b	2.4.1	2006	VNIIM Abramova L. 19 Moskovsky av, 190005, Saint-Petersburg, Russia Phone/Fax 323-96-69 <a href="mailto:L.Ju.Abramova@vniim.ru">L.Ju.Abramova@vniim.ru</a>	VNIIM Russia NSC IM Ukraine BelGIM Belarus INM(RO) Romania
22	Comparisons of national standards in the area of measuring surface density of coatings within the range of (0,001-1,000) kg/m <sup>2</sup> and coating thickness within the range of (1-100) mm	L	Key	443/RU/08	-	-	2008	UNIIM V.Kazansev Россия, Leonov V. 620000, Yekaterinburg, Krasnoarmeyskaya Str., 4, Russia Phone. (8-343) 355 48 85 Fax: (8-343) 355 48 85 E-mail <a href="mailto:kazantsev@uniim.ru">kazantsev@uniim.ru</a>	UNIIM Russia PTB Germany
23	Bilateral comparisons of the units of luminous intensity and illumination	PR	Key	368/BY/06	COOMET.PR-K3.a	1.1.1	2009	BelGIM Tarasova O. 93, Starovilensky trakt, Minsk, 220053, Belarus phone. 234-98-20 fax: 2880938 <a href="mailto:optic@belgim.belpak.minsk.by">optic@belgim.belpak.minsk.by</a>	BelGIM Belarus SMU Slovakia VNIIOFI Russia
24	Comparison of whiteness samples using the secondary standard of the units of colour coordinates and the coloration coordinates	PR	Supplementary	366/RU/06	COOMET.PR-S1	6.12.0	2009	ВНИИОФИ Хлевой Б. Россия, 119361 Москва ул. Озерная, 46 Phone: +7 495 437 29 88 Fax: +7 495 437 29 88 E-mail: <a href="mailto:khlevnoy-m4@vniiofi.ru">khlevnoy-m4@vniiofi.ru</a>	VNIIOFI Russia BelGIM Belarus NSC IM Ukraine

№	Name	Subject field	Type	COOMET project No	KCDB reference	CMCs supported	Date of start	NMI- pilot, contact person	Participants
1	2	3	4	5	6	7	8	9	10
25	International comparisons of national measurement standards of the unit of an angle of rotation of a plane of polarization	PR	Supplementary	439/RU/08	COOMET.PR-S2	4.8	2010	ВНИИОФИ Хлевой Б. Россия, 119361 Москва ул. Озерная, 46 Phone: +7 495 437 29 88 Fax: +7 495 437 29 88 E-mail: <a href="mailto:khlevnoy-m4@vniiofi.ru">khlevnoy-m4@vniiofi.ru</a>	VNIIOFI Russia PTB Germany SMU Slovakia Укрметртестстандарт
26	International comparisons of national measurement standards of the unit of refractive index	PR	Supplementary	438/RU/08	COOMET.PR-S3	L 6.7.1	2010	ВНИИОФИ Хлевой Б. Россия, 119361 Москва ул. Озерная, 46 Phone: +7 495 437 29 88 Fax: +7 495 437 29 88 E-mail: <a href="mailto:khlevnoy-m4@vniiofi.ru">khlevnoy-m4@vniiofi.ru</a>	VNIIOFI Russia PTB Germany KazInMetr Kazakhstan SMU Slovakia Ukrmetrteststandard Ukraine INRIM Italy AIST Japan
27	Comparisons of measurement standards of the unit of laser power (0.532, 10,6 microns)	PR	Supplementary	461/RU/09	COOMET.PR-S4	2.4.0	2009	ВНИИОФИ Либерман А Россия, 119361 Москва ул. Озерная, 46 Phone: +7 495 437 34 47 Fax: +7 495 437 34 47 E-mail: <a href="mailto:liber-f2@vniiofi.ru">liber-f2@vniiofi.ru</a>	VNIIOFI Russia PTB Germany
28	Comparisons of measurement standards of the units of spectral regular transmittance in the (250 to 900) nm wavelength range	PR	Supplementary	429/CU-a/08	COOMET.PR-S5	4.1.1	2009	INIMET С.Вальдес ул. Консуладо 206, Гавана, Куба Тел. 537 8639063 Факс: 537 8676966 <a href="mailto:sandra@inimet.cu">sandra@inimet.cu</a>	INIMET Куба VNIIOFI Russia INIMETRO Бразилия

№	Name	Subject field	Type	COOMET project No	KCDB reference	CMCs supported	Date of start	NMI- pilot, contact person	Participants
1	2	3	4	5	6	7	8	9	10
29	Comparisons in the field of the multiples and submultiples of the kilogram measurements	M	Key	258/RU/02	COOMET.M.M-K5		2009	VNIIM V.Snegov 19 Moskovsky av, 190005, Saint-Petersburg, Russia phone: +7 812 323 96 71 fax: +7 812 323 96 71 <a href="mailto:n.g.domostroeva@vniim.ru">n.g.domostroeva@vniim.ru</a>	NSC IM Ukraine BelGIM Belarus KazInMetr Kazakhstan
30	Comparisons of Vickers Hardness Scales	M	Key	303/DE/04	COOMET.M.H-K1.b COOMET.M.H-K1.c	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 <a href="mailto:konrad.herrmann@ptb.de">konrad.herrmann@ptb.de</a>	PTB Germany VNIIFTRI Russia
31	Key comparison of Vickers hardness scales	M	Key	341/RU/05	COOMET.M.H-K1	7.1.1	2006	VNIIFTRI E.Aslyan Mendeleevo, Moscow region 141570 Russia Phone: +7 495 7448181 Fax: +7 495 7448181 <a href="mailto:Edward.alanyan@vniiftri.ru">Edward.alanyan@vniiftri.ru</a>	VNIIFTRI Russia BelGIM Belarus NSC IM Ukraine KazInMetr Kazakhstan
32	Key comparison of Brinell hardness scales	M	Key	341/RU/05	COOMET.M.H-K2	7.1.1	2006	VNIIFTRI E.Aslyan Mendeleevo, Moscow region 141570 Russia Phone: +7 495 7448181 Fax: +7 495 7448181 <a href="mailto:Edward.alanyan@vniiftri.ru">Edward.alanyan@vniiftri.ru</a>	VNIIFTRI Russia BelGIM Belarus NSC IM Ukraine KazInMetr Kazakhstan

№	Name	Subject field	Type	COOMET project No	KCDB reference	CMCs supported	Date of start	NMI- pilot, contact person	Participants
1	2	3	4	5	6	7	8	9	10
33	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 <a href="mailto:pressure@vmc.lt">pressure@vmc.lt</a>	VNIIM Russia BelGIM Belarus PTB Germany VMT Lithuania SMU Slovakia NSC IM Ukraine NPL UK
34	Comparison of national pressure standards in the range 100 Pa to 5 kPa of gauge pressure	M	Key	444/DE/08	COOMET.M.P- K14	3.2.1	2008	PTB Hrendt H. Bundesallee 100 D-38116 Braunschweig, Germany Tel.: +49 531 592 3170 Факс: +49 531 592 3209 <a href="mailto:helga.ahrendt@ptb.de">helga.ahrendt@ptb.de</a>	PTB Germany VNIIM Russia VMT Lithuania CMI Check Republic
35	Comparisons in the field of force measurements	M	Supplementary	259/RU/02	COOMET.M.F- S1		2009	VNIIM S.Semenov 19 Moskovsky av, 190005, Saint-Petersburg, Russia Phone. + 812) 323 96 28 Fax. +7 812 323 96 28 <a href="mailto:A.F.Ostrivnoy@vniim.ru">A.F.Ostrivnoy@vniim.ru</a>	VNIIM Russia Ukrmetrteststandard Ukraine
36	COOMET comparisons in force measurements	M	subsequent (bilateral)	515/RU/11			2011	PTB, Falk.L.Tegtmeier, <a href="mailto:Falk.L.Tegtmeier@ptb.de">Falk.L.Tegtmeier@ptb.de</a>	SE "Ukrmetrtest standart" Ukraine



№	Name	Subject field	Type	COOMET project No	KCDB reference	CMCs supported	Date of start	NMI- pilot, contact person	Participants
1	2	3	4	5	6	7	8	9	10
37	Comparisons in the field of electrical conductivity measurements	QM	Pilot	361/RU/06	-	-	2007	VNIIM Konopelko L.A. 19 Moskovsky av, 190005, Saint-Petersburg, Russia phone:(7-812) 315 11 45 fax: (7-812) 327 97 76 <a href="mailto:lkonop@b10.vniim.ru">lkonop@b10.vniim.ru</a>	VNIIM Russia VNIIFTRI Russia Ukrmetrteststandast Ukraine BelGIM Belarus SMU Slovakia
38	Pilot comparisons "Determination of gene-modified objects in food"	QM	Pilot	375/RU/06	-	-	January2007	VNIIM Konopelko L.A. 19 Moskovsky av, 190005, Saint-Petersburg, Russia phone:(7-812) 315 11 45 fax: (7-812) 327 97 76 <a href="mailto:lkonop@b10.vniim.ru">lkonop@b10.vniim.ru</a>	VNIIM Russia RAS Institute of Cytology Russia
39	Pilot comparisons in the field of aerosol particles mass concentration measurements	QM	Pilot	435/RU/08	-	4.6	2010	VNIIM Konopelko L.A. 19 Moskovsky av, 190005, Saint-Petersburg, Russia phone:(7-812) 315 11 45 fax: (7-812) 327 97 76 <a href="mailto:lkonop@b10.vniim.ru">lkonop@b10.vniim.ru</a>	VNIIM Russia VNIIFTRI Russia
40	Key comparisons of primary standards of concentration of components in gas media - NO in Nitrogen (100 and 1000 µmol/mol)	QM	Key	483/RU/09	-	4.2, 4.6	2010	VNIIM Konopelko L.A. 19 Moskovsky av, 190005, Saint-Petersburg, Russia phone:(7-812) 315 11 45 fax: (7-812) 327 97 76 <a href="mailto:lkonop@b10.vniim.ru">lkonop@b10.vniim.ru</a>	VNIIM Russia Ukrmetrteststandast Ukraine BelGIM Belarus (the list is being formed)

№	Name	Subject field	Type	COOMET project No	KCDB reference	CMCs supported	Date of start	NMI- pilot, contact person	Participants
1	2	3	4	5	6	7	8	9	10
41	Key comparisons of primary standards of concentration of components in gas media - SO <sub>2</sub> in Nitrogen (100 and 1000 µmol/mol)	QM	Key	484/RU/09	-	4.2, 4.6	2010	VNIIM Konopelko L.A. 19 Moskovsky av, 190005, Saint-Petersburg, Russia phone:(7-812) 315 11 45 fax: (7-812) 327 97 76 <a href="mailto:lkonop@b10.vniim.ru">lkonop@b10.vniim.ru</a>	VNIIM Russia Ukrmetrteststandast Ukraine BelGIM Belarus (the list is being formed)
42	Bilateral comparison: Determination of fullerenes C60 and C70 mass fraction in fullerene concentrate	QM	Pilot	493/RU/10	-	15.2	2010	VNIIM Konopelko L.A. 19 Moskovsky av, 190005, Saint-Petersburg, Russia phone:(7-812) 315 11 45 fax: (7-812) 327 97 76 <a href="mailto:lkonop@b10.vniim.ru">lkonop@b10.vniim.ru</a>	VNIIM Russia BAM Germany
43	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 <a href="mailto:ir@vniiftri.ru">ir@vniiftri.ru</a>	VNIIFTRI Russia NSC IM Ukraine PTB Germany MoE-ISR Israel
44	Standardization of Eu-152 radionuclide solution	RI	Key	423/RU/08	COOMET.RI(II)- K2.Eu-152	2.2.3.1-Eu-152	2009	VNIIM I.Kharitonov 19 Moskovsky av, 190005, Saint-Petersburg, Russia Phone. +7 812 323 96 11 Fax. +7 812 323 96 17 <a href="mailto:khia@vniim.ru">khia@vniim.ru</a>	VNIIM Russia BelGIM Belarus CENTIS-DMR Cuba

## 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 Oersted's Plads Bldg. 352, DTU DK-2800 Kgs. Lyngby, Denmark Phone: + 45 45 25 39 37 Fax: + 45 45 88 05 77 E-mail: <a href="mailto:kr@oersted.dtu.dk">kr@oersted.dtu.dk</a>	DPLA Denmark Systema Ukraine GUMPoland VNIIFTRI Russia INM Romania	Completed 2007
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 <a href="mailto:vpozdeeva@belgim.belpak.minsk.by">vpozdeeva@belgim.belpak.minsk.by</a>	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 <a href="mailto:vpozdeeva@belgim.belpak.minsk.by">vpozdeeva@belgim.belpak.minsk.by</a>	VNIIFTRI Russia BelGIM Belarus	Completed 2006
4	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		Is absent in the classifier	2007	VNIIFTRI A.Isaev Moscow region 141570 Russia Phone: +7 (495) 535-93-13 Fax : +7 (495) 535-93-13 <a href="mailto:enyakov@vniiftri.ru">enyakov@vniiftri.ru</a>	VNIIFTRI Russia Systema Ukraine	Completed 2008
5	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	2007	Systema V.Chaliy 79008, Lvov, Krivonos st., 6 Ukraine Phone: +38 032 239 92 23 Fax: +38 032 274 21 49 <a href="mailto:v-chalyy@dndi-systema.lviv.ua">v-chalyy@dndi-systema.lviv.ua</a>	Systema Ukraine VNIIFTRI Russia	Completed 2008

№	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
6	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 <a href="mailto:thomas.fedtke@ptb.de">thomas.fedtke@ptb.de</a>	PTB Germany GUM Poland VNIIFTRI Russia SMU Slovakia UME Turkey Systema Ukraine	Completed 2009 Metrologia, 2009, <b>46</b> , Tech. Suppl., 09004
7	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: <a href="mailto:thomas.fedtke@ptb.de">thomas.fedtke@ptb.de</a>	PTB Germany Systema Ukraine INM Romania	Completed 2009 Metrologia, 2009, <b>46</b> , Tech. Suppl., 09005
8	Comparison of longitudinal ultrasonic wave propagation velocity in solid media	AUV	Pilot	448/RU/08	-	Отсутствуют в кодификаторе	2008	Far East Dep. of VNIIFTRI Lugovoy V. A. 65, Karl-Marx st., Khabarovsk, 680 000, Russia phone: +7 4212 30 17 62, +7 (4212) 32-92-66 , fax: 8 (4212) 32-92-66 <a href="mailto:lugovoy@dst.khv.ru">lugovoy@dst.khv.ru</a>	VNIIFTRI Russia BelGIM Belarus	
9	The comparison of the measurement standards of the pressure unit in air at low frequency range	AUV	Key	431/UA-a/08	COOMET. AUV.A.K-2	1.1.1	2009	Systema V.Chaliy 79008, Lvov, Krivonos st., 6 Ukraine Phone: +38 032 239 92 23 Fax: +38 032 274 21 49 <a href="mailto:v-chalyy@dndi-systema.lviv.ua">v-chalyy@dndi-systema.lviv.ua</a>	Systema Ukraine VNIIFTRI Russia	
10	Pilot study of the sound pressure standards in water (for free-field calibration) in the frequency range 250 Hz to 200 kHz.	AUV	Pilot	473/RU-a/09	-	12.1.1	2009	Hangzhou Applied Acoustics Research Institute (HAARI) Wang Yuebing г. Фуянь, Китай Тел. +86 5716 333 24 74 <a href="mailto:wang.yuebing@163.com">wang.yuebing@163.com</a>	VNIIFTRI Russia HAARI China	

№	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
11	Comparison of national measurement standards of Volt of Russia and Belarus on stabilitrons (voltage-reference diode) by using transfer standards	EM	Key	342/BY/05	COOMET.EM. BIPM-K11.a		2006	VNIIM A.Katkov 19 Moskovsky av, 190005, Saint-Petersburg, Russia Phone +7 812 3239619 Fax +7 812 1130114 <a href="mailto:a.s.katkov@vniim.ru">a.s.katkov@vniim.ru</a>	VNIIM Russia BelGIM Belarus	Completed 2006
12	Performance of comparison measurements of testing standard equipment working in the gas flowrate range: A) (0,06 - 10) m <sup>3</sup> .h <sup>-1</sup> B) (100 - 1000) m <sup>3</sup> .h <sup>-1</sup>	F	Supplementary	219/SK-a/00	COOMET.M.F F-S1	9.2.1	2006	SMU Makovník Štefan, Karloveská 63, 842 55 Bratislava, SLOVAKIA, Tel: + 421 2 6029 4337, Fax: + 421 2 6029 4332, E-mail: <a href="mailto:makovnik@smu.gov.sk">makovnik@smu.gov.sk</a>	SMU Slovakia PTB Germany LEI, Lithuania BelGIM Belarus VNIIR Russia Ivano-Frankovsk standardmetrology Ukraine NISM Moldova	Draft B in progress
13	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 <a href="mailto:L.Ju.Abramova@vniim.ru">L.Ju.Abramova@vniim.ru</a>	VNIIM Russia NSC IM Ukraine BelGIM Belarus Ukrmetrteststandast Ukraine	Completed 2006 Measurement Technique, 1, 2006, p.65
14	Pressure measurements in gas (gauge mode)	M	Key	294/RU/03	COOMET.M.P- K1	3.2.1	2004	VNIIM Kiselev Yu. 19 Moskovsky av, 190005, Saint-Petersburg, Russia Phone/fax +7 812 323 96 29 <a href="mailto:v.n.gorobey@vniim.ru">v.n.gorobey@vniim.ru</a>	VNIIM Russia SMU Slovakia PTB Germany VMT Lithuania BelGIM Belarus INM(RO) Romania	Completed 2008

№	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
15	Viscosity measurements of standard liquids	M	Key	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 <a href="mailto:n.g.domostroeva@vniim.ru">n.g.domostroeva@vniim.ru</a>	VNIIM Russia BelGIM Belarus NSC IM Ukraine NCM Bulgaria	Completed 2008
16	Intercomparison in the field of Rockwell and Super-Rockwell hardness scales	M	Supplementary	371/KZ/06	COOMET.M.H -S1	7.1.1	2007	PTB K.Herrmann Bundesallee 100 D-38116 Braunschweig, Germany Phone: +49 (0) 531 592 5140 Fax: +49 (0) 531 592 5105 <a href="mailto:konrad.herrmann@ptb.de">konrad.herrmann@ptb.de</a>	PTB Germany KazInMetr Kazakhstan	Completed 2009
17	Comparison of mass standards (1 kg)	M	Key	257/SK/02	COOMET.M.M -K1	1.1.1	2002	SMU R. R.Spurny Karloveska 63 842 55 Bratislava, Slovakia (Slovak Republic) Phone: +421 260 294 350 Fax: +421 265 429 592 <a href="mailto:spurny@smu.gov.sk">spurny@smu.gov.sk</a>	SMU Slovakia PTB Germany GUM Poland VNIIM Russia VMT Lithuania NSC IM Ukraine PTB Germany	Completed 2010

№	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
18	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 <a href="mailto:optic@belgim.belpak.minsk.by">optic@belgim.belpak.minsk.by</a>	BelGIM Belarus NSC IM Ukraine	Completed 2004  References “Metrologia and device design” BelGIM proceedings, Abstracts of 14 conference “Photometry and its metrology supporting)
19	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 <a href="mailto:optic@belgim.belpak.minsk.by">optic@belgim.belpak.minsk.by</a>	BelGIM Belarus VNIIOFI Russia Ukrmetrteststandast Ukraine	
20	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 <a href="mailto:optic@belgim.belpak.minsk.by">optic@belgim.belpak.minsk.by</a>	BelGIM Belarus VNIIOFI Russia Ukrmetrteststandast Ukraine	

№	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
21	International comparisons of standards reference materials - gas mixtures, containing CO <sub>2</sub> , CO, C <sub>3</sub> H <sub>8</sub> 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 <a href="mailto:lkonop@mail.rcom.ru">lkonop@mail.rcom.ru</a>	VNIIM Russia Ukrmetrteststandast Ukraine BelGIM Belarus PTB Germany	Completed 2007
22	Pilot comparisons in the field of humidity mass fraction measurements in cereal grain and cereal products	QM	Pilot	379/RU/06	-	11.4	May 2007	UNIIM V.I.Koryakov 4, Krasnoarmeiskaya ul., Ekaterinburg, 620000, Russia phone: +7 8.343 350 16 98 fax: +7.343 350 25 43 <a href="mailto:korukov@uniim.ru">korukov@uniim.ru</a>	UNIIM Russia Ukrmetrteststandast Ukraine BelGIM Belarus PTB Germany	Completed 2008
23	Pilot comparisons in the field of moisture mass fraction measurements in barley cereal grain	QM	Pilot	436/RU/08	-	11.4	2009	UNIIM V.I.Koryakov 4, Krasnoarmeiskaya ul., Ekaterinburg, 620000, Russia phone: +7 8.343 350 16 98 fax: +7.343 350 25 43 <a href="mailto:korukov@uniim.ru">korukov@uniim.ru</a>	UNIIM Russia Ukrmetrteststandast Ukraine BelGIM Belarus PTB Germany SM Chemistry and Material technology Sweden KazInMetr Kazakhstan	Completed 2009
24	Comparisons of phosphate potassium (KH <sub>2</sub> PO <sub>4</sub> ) and phosphate sodium (Na <sub>2</sub> HPO <sub>4</sub> )reference buffer aqua solutions at the temperatures 15°C, 25°C, and 37°C.	QM	Pilot	322/Ru/04	-	6	2005	VNIIFTRI Karpov O. Mendeleevo, Moscow region 141570 Russia Phone: (095) 535 08 62 Fax: (095) 534 00 84 <a href="mailto:mera@vniiftri.ru">mera@vniiftri.ru</a>	VNIIFTRI Russia BelGIM Belarus SMU Slovakia	Completed 2007



№	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
25	Pilot comparisons in the field of measuring particle sizes	QM	Pilot	378/RU/06	-	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 <a href="mailto:lkonop@b10.vniim.ru">lkonop@b10.vniim.ru</a>	VNIIMRussia VNIIFTRI Russia	Completed 2007
26	Key comparisons of standard natural gas samples	QM	Key	400/RU/07	COOMET.QM-K23.b	4.2-02, 4.2-03, 4.2-74, 4.2-76.	2007	VNIIM Konopelko L.A. 19 Moskovsky av, 190005, Saint-Petersburg, Russia phone:(7-812) 315 11 45 fax: (7-812) 327 97 76 <a href="mailto:lkonop@b10.vniim.ru">lkonop@b10.vniim.ru</a>	VNIIM Russia Ukrmetrteststandart Ukraine BelGIM Belarus CMI Czech Republic SMU Slovakia BAM Germany	Completed 2010
27	Key comparisons of standard samples of CO gas mixtures in Nitrogen (10 and 1000 ppm)	QM	Key	401/RU/07	COOMET.QM-K1.a	4.3-01, 4.3-03, 4.3-04, 4.3-06.	2007	VNIIM Konopelko L.A. 19 Moskovsky av, 190005, Saint-Petersburg, Russia phone:(7-812) 315 11 45 fax: (7-812) 327 97 76 <a href="mailto:lkonop@b10.vniim.ru">lkonop@b10.vniim.ru</a>	VNIIM Russia Ukrmetrteststandart Ukraine BelGIM Belarus BAM Germany	Completed 2010
28	The additional comparison of pH working standards	QM	Supplementary	421/RU/08	?	6	2008	VNIIFTRI O.V. Karlov Mendeleevo, Moscow region 141570 Russia phone:(+7 495 744 81 77 fax: +7 495 744 81 77 <a href="mailto:mera@vniiftri.ru">mera@vniiftri.ru</a>	VNIIFTRI Russia Ukrmetrteststandart Ukraine BelGIM Belarus KazInMetr Kazakhstan НИСМ Киргизия	Completed 2009 г. Measurement technique , No1, 2010.

№	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
29	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 <a href="mailto:khia@vniim.ru">khia@vniim.ru</a>	VNIIM Russia BelGIM Belarus CENTIS-DMR Cuba	Completed 2007
30	Standardization of Cs-137 radionuclide solution	RI	Key	386/RU/07	COOMET.RI9I1)-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 <a href="mailto:khia@vniim.ru">khia@vniim.ru</a>	VNIIM Russia BelGIM Belarus CENTIS-DMR Cuba	Completed 2008
31	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 <a href="mailto:svv@metrology.kharkov.ua">svv@metrology.kharkov.ua</a>	NSC IM Ukraine VNIIFTRI Russia BelGIM Belarus VNIIM Russia RMTC Latvia PTB Germany	Completed 2009
32	Regional Key Comparison of National Measurement Standards of Air Kerma for Co-60 Gamma-Radiation Energy	RI	Key	318/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 <a href="mailto:ludwig.bueermann@ptb.de">ludwig.bueermann@ptb.de</a>	PTB Germany VNIIM Russia BelGIM Belarus SMU Slovakia RMTC Latvia CPHR Cuba	Completed 2009
33	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. Mendeleev, Moscow region 141570 Russia Phone: (095) 535 93 05 Fax: (095) 744 81 75 <a href="mailto:ir@vniiftri.ru">ir@vniiftri.ru</a>	VNIIFTRI Russia BelGIM Belarus NSC IM Ukraine NCM Bulgaria CENTIS-DMR CUba SMU Slovakia PTB Germany RMTC Latvia MoE-ISR Israel	Completed 2010

№	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
34	Comparison measurements of radionuclide volume sources (Eu-152)	RI	Supplementary	319/Ru/04	COOMET. RI(II)-S2. Eu-152	2.2.4.1-Eu-152	2005	VNIIFTRI Korostin S. Mendeleev, Moscow region 141570 Russia Phone: (095) 535 93 05 Fax: (095) 744 81 75 <a href="mailto:ir@vniiftri.ru">ir@vniiftri.ru</a>	VNIIFTRI Russia BelGIM Belarus NSC IM Ukraine NCM Bulgaria CENTIS-DMR CUba SMU Slovakia PTB Germany RMTC Latvia MoE-ISR Israel	Completed 2010
35	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 href="mailto:A.I.Pokhodun@vniim.ru">A.I.Pokhodun@vniim.ru</a>	VNIIM Russia NSC IM Ukraine BelGIM Belarus SMU Slovakia INIMET Cuba	Completed 2008
36	Comparison of the standards of solids specific heat	T	Supplementary	310/UA-a/04		No	2006	NSC IM Slipushenko V.P. 61002, Kharkov, Mironositskaya St., Phone: 38 057 704 98 06 Fax:38 057 700 34 47 <a href="mailto:vsl@metrology.Kharkov.ua">vsl@metrology.Kharkov.ua</a>	NSC IM Ukraine UNNIM Russia	Completed 2008