



COOMET Document

**COOMET
D9/2013
(November 2012)**

COOMET Program of comparisons

Approved at the 17th meeting of COOMET President's Council (Lviv, Ukraine, 14–15 November 2012)

APPROVED

**Vladimir Krutikov
COOMET President
14 November 2012**

COOMET PROGRAMM OF COMPARISONS

(as of November 01, 2012)

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 vpozdeeva@belgim.belpak.minsk.by	BelGIM, Belarus Ukrmetrteststandard Ukraine
2	Comparisons of national standards of the sound pressure unit in the water	AUV	Pilot	561/RU/12				Proposer: A.Isaev VNIIFTRI Moscow region 141570 Russia Phone: +7 (495) 535-93-13 Fax : +7 (495) 535-93-13 enyakov@vniiftri.ru	VNIIFTRI, Russia National Institute of Ocean Technology (NIOT), India Wehrtechnische dienststelle für schiffe und marinewaffen (WTD71), Germany
3	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 ermatec@ukrcsm.kiev.ua	Ukrmetrteststandard Ukraine BelGIM Belarus BIM Bulgaria KazInMetr Kazakhstan
4	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 hivolt@ukrcsm.kiev.ua	Ukrmetrteststandard Ukraine VNIIMS Russia BelGIM Belarus GEOSTM Georgia
5	Comparison of Standards the units of electromagnetic power flux density (W/m2) 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 lab202@vniiftri.ru	VNIIFTRI Russia BelGIM Belarus

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1	2	3	4	5	6	7	8	9	10
6	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 lab202@vniiftri.ru	VNIIFTRI Russia BelGIM Belarus NSC IM Ukraine NMI Slovenia SCL China
7	Comparisons of the inductance standards for the working frequencies up to 10 MHz	EM	Supplementary	469/RU/09	COOMET.EM-S8		2009	SNIM Matveichuk V.F. prospect Dimitrova 4, Novosibirsk 630004, Russia Phone +7 383 2100814 Fax: +7 383 2101360 director@snim.siberia.net	SNIM Russia CMI Czech Republic CNEUz Uzbekistan Ukrmetrteststandard Ukraine
8	Comparison of standards unit of gas flow in range (0,5 – 2500) m3/h	F	Pilot			9.2.1	2013	Ivano-Frankovsk standardmetrology D.Sereduik 76007, rIvano-Frankovsk, Vovchynets'ka str., 127 Phone: +38 03422 6 89 89 Fax: +38 03422 3 02 00 dcsms@if.ukrtel.net	Ivano-Frankovsk standardmetrology Ukraine VNIR Russia SMU Slovakia BelGIM Belarus NISM Moldovia
9	Comparison Critical Nosel as standards unit of mass gas flow	F	Supplementary			9.2.1 9.4.1	2013	Ivano-Frankovsk standardmetrology D.Sereduik 76007, rIvano-Frankovsk, Vovchynets'ka str., 127 Phone: +38 03422 6 89 89 Fax: +38 03422 3 02 00 dcsms@if.ukrtel.net	Ivano-Frankovsk standardmetrology Ukraine PTB Germany VNIR Russia SMU Slovakia NISM Moldovia LEI, Lithuania
10	Comparisons of complex of static volume measuring devices	F	Supplementary	545/UA/11		9.5.1	2013	NSC IM, Ukraine Narodnitsky G. 61002, Kharkov, Mironositskaya St., Tel. (057) 704-97-78 narodnitsky@metrology.kharkov.ua	INIMET Cuba NISM Moldova NSC IM Ukraine

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1	2	3	4	5	6	7	8	9	10
11	Comparisons of length etalons in the field of sphericity			564/RU/12				Lysenko V. VNIIMS 119361 Moskow, Ozernaya st. 46, Russia galink@vniims.ru	KazInMetr, Kazakhstan VNIIMS Russia NSC IM Ukraine (List in progress)
12	Comparisons of length etalons in the field of roundness measurements			563/RU/12				Lysenko V. VNIIMS 119361 Moskow, Ozernaya st. 46, Russia galink@vniims.ru	KazInMetr, Kazakhstan VNIIMS Russia NSC IM Ukraine (List in progress)
13	International comparison of interference plants for measuring 20-meter long tapes.			529/RU/11				VNIIM K. Chekirda Moskovsky prospekt, 19, 198005, St- Petersburg, Russia. k.c.chekirda@vniim.ru	KazInMetr, Kazakhstan VNIIMS Russia NSC IM Ukraine (List in progress)
14	The comparison of the national hardness standards of Rockwell and Super-Rockwell scales	M	key	560/UA/12		7.1.1	2013	NSC IM Skliarov V. 61002, Kharkov, Mironositskaya St., Ukraine Phone: (067) 970 21 31 Fax: +38 057 7003447 svv@metrology.kharkov.ua	KazInMetr Kazakhstan BelGIM Belarus (List in progress)

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1	2	3	4	5	6	7	8	9	10
15	Supplementary bilateral comparisons of submultiply and multiply units of kilogram	M	(bilateral)	548/UA/11		1.1.1	2012	NSC IM Kolozinska I. 61002, Kharkov, Mironositskaya St., Ukraine Phone: 572) 704 97 22 Fax: +38 057 7003447 iren_kolozinsky@ukr.net	NSC IM Ukraine VNIIM, Russia
16	Comparison of mass standards with nominal values of 50 mg, 10 g and 1 kg	M	Supplementary			1.1.1	2013	GEOSTM, Rurua I. 0141 Tbilisi, Chargali 67, Georgia Phone: (+995) 32 260 66 29, (+995) 32 261 35 00 Fax: (+995) 32 261 35 00 irmarurua@yahoo.com	PTB, Germany GEOSTM Georgia
17	Pilot comparison in the field of liquid density	M	pilot			-	2013	VNIIM Domostroevo A. 19 Moskovsky av, 190005, Saint-Petersburg, Russia Phone: +7 812 323-96-05 Fax: +7 812 323 96 71 a.v.domostroevo@vniim.ru	VNIIM Russia NSC IM Ukraine Ukrmetrteststandast Ukraine
18	Bilateral key comparison of standards of kinematics liquid of Russia and Azerbaijan Republic	M	Key (bilateral)			6.3.1	2012	VNIIM Demianov A. 19 Moskovsky av, 190005, Saint-Petersburg, Russia Phone: +7 812 323-96-05 Fax: +7 812 323 96 71 a.a.demianov@vniim.ru	VNIIM Russia SMC, Azerbaijan Republic

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1	2	3	4	5	6	7	8	9	10
19	Bilateral key comparison of standards of kinematics liquid of Russia and Kazhstan	M	Key (bilateral)			6.3.1	2012	VNIIM Demianov A. 19 Moskovsky av, 190005, Saint-Petersburg, Russia Phone: +7 812 323-96-05 Fax: +7 812 323 96 71 a.a.demianov@vniim.ru	VNIIM Russia KazInMetr Kazhstan
20	Comparison on Fibre Optic Power Responsivity	PR	Supplementary	577/RU/2012	-	7.1.0	2012	VNIIOFI Tikhomirov S.V. Ozernaya 46, 119361 Moscow, Russia Phone: +7 495 781 45 87 Fax: +7 495 781 45 87 E-mail: Svetlichny@vniiofi.ru	VNIIOFI Russia BelGIM Belarus PTB Germany
21	Pilot comparisons in the field of ethanol mass fraction measurements in aqueous solutions	QM	Pilot	519/RU/11		3.4	2011	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 Ukrmetrteststandast Ukraine
22	Key comparison in the field of ethanol mass fraction measurements in nitrogen	QM	Pilot	In progress		4.4	2013	VNIIM prof. Leonid Konopelko Russia 190005, St. Peterburg Moscow pr. 19 tel (812) 315 11 45 fax (812) 327 97 76 E-mail lkonop@vniim.ru	VNIIM Russia (List in progress)

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1	2	3	4	5	6	7	8	9	10
23	Key comparison of national measurement standards in the field of analysis of gas mixture of CO ₂ , CO, C ₃ H ₈ in nitrogen (automotive emission gases)	QM	Key Comparison	576/RU/11		4.2	2012	VNIIM Leonid A.Konopelko Russia 190005, St.Petersburg, Moskovsky pr., 19 Tel.: (7-812) 315 11 45 fax: (7-812) 327 97 76 E-mail: lkonop@b10.vniim.ru	VNIIM Russia KazInMetr Kazakhstan BelGIM Belarus
24	Pilot comparison in the field of food safety (category 11.2: contaminants): melamine in milk powder	QM	Pilot	In progress		11.2	2013	VNIIM Leonid A.Konopelko Russia 190005, St.Petersburg, Moskovsky pr., 19 Tel.: (7-812) 315 11 45 fax: (7-812) 327 97 76 E-mail: lkonop@b10.vniim.ru	VNIIM Russia Ukrmetrteststandart Ukraine
25	Pilot comparison in the field of food safety (category 11.2: contaminants): pesticides in tea	QM	Pilot	In progress		11.2	2013	VNIIM Leonid A.Konopelko Russia 190005, St.Petersburg, Moskovsky pr., 19 Tel.: (7-812) 315 11 45 fax: (7-812) 327 97 76 E-mail: lkonop@b10.vniim.ru	VNIIM Russia BelGIM Belarus Ukrmetrteststandart Ukraine
26	Pilot comparison in the field of metals mass fraction measurements (Cu, Zn, Pb, Al, Ca, Sb, Mg, Au, Ag, As, Ni) in slag	QM	Pilot	562/RU/12			2013	UNIIM Egor Sobina Russia 620000, Ekaterinburg Krasnoarmeiskaya st.4 tel (8-343) 217 29 25 E-mail sobina_egor@uniim.ru	UNIIM Russia
27	Pilot comparisons in the field of air ion number concentration measurements	QM	Pilot	573/RU/12			2012	VNIIFTRI M.V. Balakhanov p. Mendeleevo 141570, Moscow Region Russia phone: (7-495) 744-8186, E-mail: mera@vniiftri.ru	VNIIFTRI Russia VNIIM Russia

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1	2	3	4	5	6	7	8	9	10
28	Pilot comparisons in the field of air particle number concentration measurements in the size range of 0,5 µm and larger	QM	Pilot	574/RU/12			2012	VNIIFTRI M.V. Balakhanov p. Mendeleevo 141570, Moscow Region Russia phone: (7-495) 744-8186, E-mail: mera@vniiftri.ru	VNIIFTRI Russia VNIIM Russia
29	Pilot comparisons nanoparticles number concentration measurements in the size range of 20 to 500 nm	QM	Pilot	575/RU/12			2012	VNIIFTRI M.V. Balakhanov p. Mendeleevo 141570, Moscow Region Russia phone: (7-495) 744-8186, E-mail: mera@vniiftri.ru	VNIIFTRI Russia VNIIM Russia
30	Key comparison of national measurement standards in the field of analysis of Stack gases	QM	Key	In progress		4.2	2013	VNIIM Leonid A.Konopelko Russia 190005, St.Petersburg, Moskovsky pr., 19 Tel.: (7-812) 315 11 45 fax: (7-812) 327 97 76 E-mail: konop@b10.vniim.ru	VNIIM Russia BelGIM Belarus Ukrmetteststandart Ukraine
31	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 ludwig.bueermann@ptb.de	PTB Germany BelGIM Belarus CHPR Cuba NISM Moldova GEOSTM Georgia
32	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 ludwig.bueermann@ptb.de	PTB Germany BelGIM Belarus CHPR Cuba NISM Moldova GEOSTM Georgia

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1	2	3	4	5	6	7	8	9	10
33	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 ludwig.bueermann@ptb.de	PTB Germany BELGIM Belarus CHPR Cuba
34	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 n.e.korchagina@vniim.ru	VNIIM Russia NSC IM Ukraine
35	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.I.Pokhodun@vniim.ru	VNIIM Russia NSC IM Ukraine BELGIM Belarus SMU Slovakia INIMET Cuba
36	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 rymma.sergiyenko@metrology.kharkov.ua	VNIIM Russia NSC IM Ukraine
37	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 dikun@belgim.by	BelGIM Belarus

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1	2	3	4	5	6	7	8	9	10
38	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.I.Pokhodun@vniim.ru	VNIIM Russia NSC IM Ukraine
39	Pilot comparison in the field of measurement units of a specific thermal capacity of firm bodies	T	Pilot	registration	-	-	2013	UNIIM Cerepanov B. 620000, Yekaterinburg 4 Krasnoarmeiskaya Russia Phone (8-343) 350-21-68	UNIIM,Russia HIM (IT),Ukraine
40	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 ir@vniiftri.ru	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 smirnov.2520@vniim.ru	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 vpozdeeva@belgim.belpak.minsk.by	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	-	Is absent in the classifier	2010	BelGIM Pozdeeva V. Dobrov A. 93, Starovilensky trakt, Minsk, 220053, Belarus phone. +375 17 288 07 35 fax: . +375 17 288 09 38 vpozdeeva@belgim.belpak.minsk.by	BelGIM Belarus Ukrmetrtteststandar Ukraine Dneprstandartmetrologia Ukraine
4	Comparisons of free-field hydrophone calibrations in a lab water tank at low sound frequencies (from 250 Hz to 8 kHz)	AUV	Supplementary	531/RU/11	COOMET. AUV.U-S1	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 enyakov@vniiftri.ru	VNIIFTRI, Russia HAARI, China

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1	2	3	4	5	6	7	8	9	10
5	Comparison of national standards of ultrasonic power unit in the frequency range of 2 to 15 MHz	AUV	Key	535/UA-a11		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 v-chalyy@dndi-systema.lviv.ua	VNIIFTRI, Russia Systema, Ukraine
6	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 ermatec@ukrcsm.kiev.ua	Ukrmetrteststandast Ukraine BelGIM Belarus PTB Germany SMU Slovakia VNIIM Russia NCM Bulgaria INM(Ro) Romania
7	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
8	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 ermatec@ukrcsm.kiev.ua	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
9	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 kiseliev@vniims.ru	VNIIMS Russia HUT - Helsinki University of Technology Finland SP - Technical Research Institute of Sweden Sweden Ukrmetrteststandast Ukraine
10	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 tatiana_d@vniims.ru	VNIIMS Russia Ukrmetrteststandast Ukraine LCOE Spain
11	Comparison of Standards the units of electromagnetic power flux density (W/m ²) at frequencies of 2,45 GHz and 10,0 GHz	EM	Supplementary	267/RU/02	COOMET.EM.RF-S1		2009	VNIIFTRI S.Kolotygin. Mendeleevo, Moscow region 141570 Russia Phone: +7 495 535 91 65 Fax: +7 495 535 93 34 lab202@vniiftri.ru	VNIIFTRI Russia BelGIM Belarus Ukrmetrteststandast Ukraine
12	Pilot comparisons in the field of measurements of magnetic loss power in electrical steel at the frequency of 50 Hz and 60 Hz	EM	Pilot	516/ RU/11		12.3.1	2010	UNIIM Didik J.I., Maslova T.I. 620000, Ekaterinburg, 4, Krasnoarmeyskaya Str., Russia, Tel (8-343) 350 23 13, 350-60-26 Fax (8-343) 217 81 85 E-mail lemma@uniim.ru Maslova@uniim.ru	UNIIM Russia PTB Germany CMI Czech Republic

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1	2	3	4	5	6	7	8	9	10
13	Supplementary bilateral comparison of the measurement of current transformers (CTs)	EM	Supplementary	513/DE-a/10	COOMET.EM-S11	8.6.3	2010	PTB Mohns, Enrico 38116 Braunschweig - Germany, Bundesallee 100, PTB Telephone: 49(531)592-2350 Fax: 49(531)592-2305 E-mail: Enrico.Mohns@ptb.de	PTB Germany, UNIIM Russia
14	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	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 Gudrun.Wendt@ptb.de	PTB Germany NSC IM Ukraine SMU Slovakia VMT/LEI Lithuania BelGIM Belarus VNIIR Russia UZSTANDART Uzbekistan
15	Realization of reference gas flow meter's test rigs comparisons in flow range: (4-160) m ³ /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 dcsms@if.ukrtel.net	Ivano-Frankovsk standardmetrology Ukraine VNIIR Russia SMU Slovakia LEI Lithuania
16	Comparison of cold water flow calibration laboratories in a range of flow rates (3 - 20) m ³ /h	F	Supplementary	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 benkova@smu.gov.sk	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
17	Comparison national standards of low-pressure gas flow of rates (2 - 100) m ³ /h	F	Key		CCM.FF-K6b	9.2.1	2009	SMU Mirislava Benkova, Karloveská 63, 842 55 Bratislava, SLOVAKIA, Тел.: + 421 2 60294 202 Факс: +421 2 65429 592 benkova@smu.gov.sk	12 NMI of AFRIMETS, APMP, EURAMET, COOMET, SIM
18	Intercomparison of the national standards unit of the plane angle.	L		524/UA/11				VNIIM K. Chekirda Moskovsky prospect, 19, 198005, St-Petersburg, Russia. k.c.chekirda@vniim.ru	VNIIM Russia DP «Ukrmetrteststandart» Ukraine KazInMeter Kazakhstan PTB Germany SMU Slovak republic
19	Interlaboratory comparison of length standards in the nanometer range .	L		370/RU/06				119421, Russia, Moscow, ул. Новаторов, 40, build. 1, NICPV (007-495) 935-97-77 (007-495) 935-96-90 V. Belotserkovsky E-mail: fgupnicpv@mail.ru	NSC IM Ukraine PTB Germany NICPV Russia
20	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

№	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
21	Supplementary bilateral comparison of national standards of torque	M	Supplementary	512/RU/10	COOMET.M.T-S1	5.1	2010	UNIIM Cherepanov Boris 620000, Krasnoarmeyskaya Str., 4, Yekaterinburg, Russia. Telephone: +7 (343) 3501797 Fax: +7 (343) 3501797 e-mail cherepanov@uniim.ru	УНИИМ, Россия, РТВ, Германия
22	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 n.g.domostroeva@vniim.ru	NSC IM Ukraine BelGIM Belarus KazInMetr Kazakhstan
23	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 konrad.herrmann@ptb.de	PTB Germany VNIIFTRI Russia
24	Key comparison of Vickers hardness scales	M	Key	341/RU/05	COOMET.M.H-K1	7.1.1	2006	VNIIFTRI E.Aslyan Mendeleev, 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

№	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	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 Edward.alanyan@vniiftri.ru	VNIIFTRI Russia BelGIM Belarus NSC IM Ukraine KazInMetr Kazakhstan
26	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.Dariaus 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
27	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 helga.ahrendt@ptb.de	PTB Germany VNIIM Russia VMT Lithuania CMI Check Republic
28	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.F.Ostrivnoy@vniim.ru	VNIIM Russia Ukrmetrteststandard 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
29	COOMET comparisons in force measurements	M	subsequent (bilateral)	515/UA/11	COOMET.M.F-S1	3.2.1	2011	PTB, Falk.L.Tegtmeier, Falk.L.Tegtmeier@ptb.de	SE "Ukrmetrtest standart" Ukraine
30	Supplementary bilateral comparison of national standards of torque	M	Supplementary bilateral	512/RU-a/10	COOMET.M.T-S1	5.1.1	2010	UNIIM. Russia Cherepanov B. 4, Krasnoarmeiskaya st., Yekaterinburg, Russia, 620000 Phone: (343) 3501797 Fax: (343) 3501797 E-mail: cherepanov@uniim.ru	PTB, Germany UNIIM. Russia
31	Pilot comparison in the field of liquid density	M	pilot	555/AZ/12	–	–	2012	VNIIM Domostroev A. 19 Moskovsky av, 190005, Saint-Petersburg, Russia Phone: +7 812 323-96-05 Fax: +7 812 323 96 71 a.v.domostroev@vniim.ru	VNIIM Russia SMC, Azerbaijan Republic
32	Key comparison in the field of multiply and sub-multiply of unit of kilogram	M	Key	546/UA/11	COOMET.M.M-K8	1.1.1	2012	NSC IM Kolozinska I. 61002, Kharkov, Mironositskaya St., Ukraine Phone: 572) 704 97 22 Fax: +38 057 7003447 iren_kolozinsky@ukr.net	VNIIM Russia PTB Germany VMC Lithuania BelGIM Belarus KazInMetr Kazkhstan GEOSTM Georgia

№	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	Pilot comparison of multiply and sub-multiply of unit of kilogram	M	Pilot	528/KZ/11	-	1.1.1	2011	KazInMetr Kuanbaev Ch. 11 Orynbor st. , Astana 010000, Kazakhstan Phone: +7 7172 793370 Fax: +7 7172 243297, +7 7172 793299 chin_as@mail.ru	KazInMetr Kazakhstan NISM Moldova SMC, Azerbaijan Republic GEOSTM Georgia CSM at ME AP, Kyrgyzstan CNE, Uzbekistan NMI Ar, Armenia TadjkStandart, Tadjikistan
34	Supplementary comparison in the field of density of liquid	M	Supplementary			2.2.1	2012	VNIIM Domostroevo A. 19 Moskovsky av, 190005, Saint-Petersburg, Russia Phone: +7 812 323-96-05 Fax: +7 812 323 96 71 a.v.domostroevo@vniim.ru	VNIIM Russia KazInMetr Kazakhstan
35	Bilateral comparisons of the units of luminous intensity and illumination	PR	Key	368/BY/06	COOMET.PR-K3.a	1.1, 1.2, 1.4	2009	BelGIM Tarasova O. 93, Starovilensky trakt, Minsk, 220053, Belarus phone. 234-98-20 fax: 2880938 optic@belgim.belpak.minsk.by	BelGIM Belarus SMU Slovakia VNIIOFI Russia NSC "IM" Ukraine KazInMetr Kazakhstan
36	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	VNIIOFI Gorshkova T.B. Ozernaya 46, 119361 Moscow, Russia Phone: +7 495 437 33 11 Fax: +7 495 437 29 92 E-mail: gortb@vniiofi.ru	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
37	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	VNIIOFI Vishnyakov G. Ozernaya str. 46, Moscow, Russia, 119361 Phone: +7 495 437 33 77 Fax: +7 495 437 31 47 E-mail: vish@vniiofi.ru	VNIIOFI Russia PTB Germany Ukrmetrteststandard Ukraine GUM Poland Inmetro Brazil
38	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	VNIIOFI Vishnyakov G. Ozernaya str. 46, Moscow, Russia, 119361 Phone: +7 495 437 33 77 Fax: +7 495 437 31 47 E-mail: vish@vniiofi.ru	VNIIOFI Russia PTB Germany AIST Japan Ukrmetrteststandart Ukraine INRIM Italy
39	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 sandra@inimet.cu	INIMET Cuba INIMETRO Brazil БелГИМ Беларусь SMU Словакия Укрметргтестстандарт и ННЦ ИМ Украина
40	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 lkonop@b10.vniim.ru	VNIIM Russia VNIIFTRI Russia 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
41	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	COOMET.QM-S1	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 lkonop@b10.vniim.ru	VNIIM Russia Ukrmetrteststandast Ukraine BelGIM Belarus (the list is being formed)
42	Key comparisons of primary standards of concentration of components in gas media - SO2 in Nitrogen (100 and 1000 µmol/mol)	QM	Key	484/RU/09	COOMET.QM-K76	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 lkonop@b10.vniim.ru	VNIIM Russia Ukrmetrteststandast Ukraine BelGIM Belarus (the list is being formed)
43	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 lkonop@b10.vniim.ru	VNIIM Russia VNIIFTRI Russia Ukrmetrteststandast Ukraine BelGIM Belarus (List in progress)
44	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 lkonop@b10.vniim.ru	VNIIM Russia VNIIFTRI Russia Ukrmetrteststandast Ukraine BelGIM Belarus SMU Slovakia

№	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
45	Electrolytic conductivity 0,5 S/m	QM	Key	540/UA/11	COOMET.QM-K36	7	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 Kazakhstan
46	Comparisons of primary standard gas mixtures: Gravimetry production of CH ₄ in synthetic air (100 µmol/mol)	QM	Supplementary	556/RU/12	COOMET.QM-S2	4.2	2012	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 INNMETRO Brazil
47	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 Medvedevskikh M 620000, Yekaterinburg Krasnoarmeiskaya ul.4 Russia Phone (8-343) 350-60-63 Fax (8-343) 350-60-63 medvedevskikh_m@uniim.ru mariya.medvedevskikh@somet.ru	UNIIM, Russia Ukrmetrteststandast Ukraine BelGIM Belarus PTB Germany SM Chemistry and Material technology Sweden KazInMetr Kazakhstan
48	Pilot comparisons of the measurements of concentration of H ⁺ ions in the solution of the hydrochloric acid (mol/kg of solution)	QM	Pilot	520/RU/11		1.1, 2.1, 2.2, 2.3	2011	UNIIM Terentiev G.I. Sobina A.V. (earlier Skutina A.V.) 620000, Ekaterinburg, 4, Krasnoarmeyskaya Str., Russia, Tel/Fax (343) 355-49-22 E-mail terentiev@uniim.ru , avs@uniim.ru	UNIIM Russia Ukrmetrteststandart, 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
49	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
50	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 khia@vniim.ru	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 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 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 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	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 enyakov@vniiftri.ru	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 v-chalyy@dndi-systema.lviv.ua	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 thomas.fedtke@ptb.de	PTB Germany GUM Poland VNIIFTRI Russia SMU Slovakia UME Turkey Systema Ukraine	Completed 2009 Metrologia, 2009, 46, 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: thomas.fedtke@ptb.de	PTB Germany Systema Ukraine INM Romania	Completed 2009 Metrologia, 2009, 46, 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 lugovoy@dst.khv.ru	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 v-chalyy@dndi-systema.lviv.ua	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 wang.yuebing@163.com	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 stabiltrons (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.s.katkov@vniim.ru	VNIIM Russia BelGIM Belarus	Completed 2006
12	Comparisons of national standards in the field of measuring the ratio and angle scaling conversion of sinusoidal current (MPST) in the range 1 ... 10000A/5A(1A)	EM	Pilot	470/RU-a/09		8.6.3	2009	UNIIM Zaharov B.V. 4, Krasnoarmeiskaya ul., Ekaterinburg, 620000, Russia Phone +7 8.343 350 20 65 Fax: +7 8.343 3502313 lemma@uniim.ru	UNIIM Russia Ukrmettestandard Ukraine GNASTRM Georgia	Completed 2010
13	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	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: makovnik@smu.gov.sk	SMU Slovakia PTB Germany LEI, Lithuania BelGIM Belarus VNIIR Russia Ivano-Frankovsk standardmetrology Ukraine NISM Moldova	Draft B in progress
14	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 NSC IM Ukraine BelGIM Belarus Ukrmettestandard Ukraine	Completed 2006 Measurement Technique, 1, 2006, p.65

№	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	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	4.1	2007	UNIIM Leonov V. 620000, Yekaterinburg, Krasnoarmeyskaya Str., 4, Russia Phone. (343) 3502618 Fax: (343) 3502039 uniim@uniim.ru	UNIIM, Russia BelGIM Belarus KazInMetr Kazakhstan	Completed 2009
16	Comparisons of national standards in the area of measuring surface density of coatings within the range of (0,001-1,000) kg/m ² and coating thickness within the range of (1-100) mm	L	Key	443/RU/08	-	6.10-	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 kazantsev@uniim.ru	UNIIM Russia PTB Germany	Completed 2009
17	Comparison of 24-sided polygon	L	Supplementary	460/SK/09			2009	SMU Mokros, Karľoveská 63, 842 55 Bratislava, SLOVAKIA, Тел.: + 421 2 60294 253 Факс: +421 2 65429 592 mokros@smu.gov.sk	SMU Slovakia KazInMetr Kazakhstan	
18	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	

№	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
19	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	
20	The comparison of the evolvement surface standards	L	Supplementary	314/Ua/04	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 kupko@metrology.Kharkov.ua	NSC IM Ukraine PTB Germany	
21	Comparison of length standards in the range measurement of gauge blocks	L	Supplementary	390/BY/07	COOMET.L-S7		2007	BelGIM Makarecich V. 93, Starovilensky trakt, Minsk, 220053, Belarus Phone. + 375 17 233 35 82 Fax: + 375 17 288 09 38 Makarevich@belgim.by	BelGIM Belarus GUM Poland	
22	Additional comparisons of surface density of coatings	L	Supplementary	527/RU/11				VNIIM K. Chekirda Moskovsky prospekt, 19, 198005, St-Petersburg, Russia. k.c.chekirda@vniim.ru	VNIIM Russia NSC «IM» Ukraine KazInMeter Kazakhstan	
23	Comparisons of optical standards of flatness	L		501/UA/10				NSC IM Kupko V.. 61002, Kharkov, Mironositskaya St., Phone: 38 057 704 98 54 Fax:38 057 700 34 47 kupko@metrology.Kharkov.ua	VNIIMS Russia NSC «IM» 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
24	Comparisons of reference instruments of unit are length for parameters of a roughness	L	Supplementary	450/UA/09				NSC IM Kupko V.. 61002, Kharkov, Mironositskaya St., Phone: 38 057 704 98 54 Fax:38 057 700 34 47 kupko@metrology.kharkov.ua	VNIIMS Russia NSC «IM» Ukraine	
25	International comparison of stabilized He-Ne/12 lasers at 633 nm.	L	Key	440/RU/08				VNIIM K. Chekirda Moskovsky prospekt, 19, 198005, St-Petersburg, Russia. k.c.chekirda@vniim.ru	VNIIM Russia NSC «IM» Ukraine KazInMeter Kazakhstan	
26	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 v.n.gorobey@vniim.ru	VNIIM Russia SMU Slovakia PTB Germany VMT Lithuania BelGIM Belarus INM(RO) Romania	Completed 2008
27	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.Domostroeova 19 Moskovsky av, 190005, Saint-Petersburg, Russia phone. +7 812 323 96 71 fax. +7 812 323 96 71 n.g.domostroeova@vniim.ru	VNIIM Russia BelGIM Belarus NSC IM Ukraine NCM Bulgaria	Completed 2008
28	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 konrad.herrmann@ptb.de	PTB Germany KazInMetr Kazakhstan	Completed 2009

No	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	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 spurny@smu.gov.sk	SMU Slovakia PTB Germany GUM Poland VNIIM Russia VMT Lithuania NSC IM Ukraine PTB Germany	Completed 2010
30	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 NSC IM Ukraine	Completed 2004 References "Metrlogia and dvice design" BelGIM proceedings, Abstracts of 14 conference "Photometry and its metrology supporting)
31	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 Ukrmetrteststandast Ukraine	

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1	2	3	4	5	6	7	8	9	10	11
32	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 Ukrmetrteststandast Ukraine	
33	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	VNIIOFI Liberman A.A. Ozernaya 46, 119361 Moscow, Russia Phone: +7 495 437 34 47 Fax: +7 495 437 34 47 E-mail: liber-f2@vniiofi.ru	VNIIOFI Russia PTB Germany	Завершено 2012 <i>Metrologia</i> , 2012, 49 , <i>Tech. Suppl.</i> , 02001
34	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 lkonop@mail.rcom.ru	VNIIM Russia Ukrmetrteststandast Ukraine BelGIM Belarus PTB Germany	Completed 2007
35	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. Mendeleevo, Moscow region 141570 Russia Phone: (095) 535 08 62 Fax: (095) 534 00 84 mera@vniiftri.ru	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
36	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 lkonop@b10.vniim.ru	VNIIMRussia VNIIFTRI Russia	Completed 2007
37	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 lkonop@b10.vniim.ru	VNIIM Russia Ukrmetrteststandart Ukraine BelGIM Belarus CMI Czech Republic SMU Slovakia BAM Germany	Completed 2010
38	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 lkonop@b10.vniim.ru	VNIIM Russia Ukrmetrteststandart Ukraine BelGIM Belarus BAM Germany	Completed 2010
39	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 mera@vniiftri.ru	VNIIFTRI Russia Ukrmetrteststandart Ukraine BelGIM Belarus KazInMetr Kazkhstan 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
40	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 Ukrmetrteststandast Ukraine BelGIM Belarus SMU Slovakia	Completed 2010
41	Pilot comparisons “Determination of gene-modified objects in food”	QM	Pilot	375/RU/06	-	11.3	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 RAS Institute of Cytology Russia	Completed 2012
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 lkonop@b10.vniim.ru	VNIIM Russia BAM Germany	Completed 2012
43	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 korukov@uniim.ru	UNIIM Russia Ukrmetrteststandart Ukraine BelGIM Belarus PTB Germany	Completed 2008
44	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 korukov@uniim.ru	UNIIM Russia Ukrmetrteststandast Ukraine BelGIM Belarus PTB Germany SM Chemistry and Material technology Sweden KazInMetr Kazakhstan	Completed 2009

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1	2	3	4	5	6	7	8	9	10	11
45	Pilot comparisons in the field of nitrogen mass fraction measurements in milk products	QM	Pilot	508/RU/10	-	нет	June 2010	UNIIM, Medvedevskikh M.Yu. Krasnoarmeiskaya ul.4 Russia Phone (8-343) 350-60-63 Fax (8-343) 355 02 63 E-mail lab241@uniim.ru	UNIIM, Russia BelGIM Belarus Ukrmetteststandast Ukraine The standardization and metrology centre Kirghizia	Completed 2012
46	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	Completed 2007
47	Standardization of Cs-137 radionuclide solution	RI	Key	386/RU/07	COOMET.RI91 I)-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	Completed 2008
48	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	Completed 2009

№	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
49	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 ludwig.bueermann@ptb.de	PTB Germany VNIIM Russia BelGIM Belarus SMU Slovakia RMTC Latvia CPHR Cuba	Completed 2009
50	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	Completed 2010
51	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. 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	Completed 2010
52	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	Completed 2008
53	Pilot comparison in the field of measurement units of a specific thermal capacity of firm bodies	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 vsl@metrology_Kharkov.ua	NSC IM Ukraine UNNIM Russia	Completed 2008

Chairperson of the Joint
Committee for Measurement
Standards (JCMS)

A handwritten signature in black ink, appearing to be 'A.G. Chunovkina', written in a cursive style.

A.G. Chunovkina