

PROTOCOL

15th meeting of the Technical Committee
 COOMET TC 1.7 "Photometry and radiometry"
 (August 15-17, 2017, St. Petersburg)

Present:

Azerbaijan	
Mrs. Shahla MUSAYEVA	AzSMS
Belarus:	
Mrs. Olga TARASOVA (deputy chairman of TC 1.7)	BelGIM
Mr. Dmitriy SCUMS	BelGIN
China	
Mr. Ruoduan SUN (Taylor Sun)	NIM
Cuba	
Mrs. Sandra Pedro VALDÉS	INIMET
Germany	
Mr. Stefan KÜCK	PTB
Kazakhstan	RSE KazInMetr
Mrs. Natalya VYRODOVA	
Moldova	
Mr. Anatolii BESCUPSCHII	INM-MD
Russia	
Mr. Boris KHEVNOY (Chairman of TC 1.7)	VNIIOFI
Mr. Gennady VISHNYAKOV	VNIIOFI
Mr. Vladimir KRAVTSOV	VNIIOFI
Mr. Alexei MITIUREV	VNIIOFI
Mr. Sergey MOSKALYUK	VNIIOFI
Mr. Yuri SILD	VNIIM
Slovakia	
Mr. Marian KREMPASKY	SMU
Turkey	
Mr. Özcan BAZKIR	TÜBITAK UME
Uzbekistan	
Mr. Komolitdin NAZHMUDDINOV	NSC RUz
Ukraine	
Mr. Mykola HURIEV	NSC "IM"
Mrs. Natalia PARKHOMENKO	SE "Ukrmetrteststandard"

August 15, 2017

Chairman of the Technical Committee COOMET TC 1.7 "Photometry and Radiometry" (hereinafter referred to as TC) Mr. Boris KHLEVNOY announced the opening of the meeting and on the first day of TC work was held a seminar "Calculation of the uncertainty of measurements during international comparisons". Head of the Laboratory of Theoretical Metrology of VNIIM, Mrs. Anna CHUNOVKINA present two reports: "Processing of uncoordinated data in comparisons. REM and Mandel-Paul method" and "Processing of measurement data for key and supplementary comparisons of national standards"

August 16, 2017

1 Opening of the meeting of the Technical Committee COOMET 1.7 "Photometry and radiometry"

The second day of the TC's work began with the presentation of all participants of the meeting. After that, the agenda was discussed.

2 On changes in the Technical Committee COOMET 1.7 "Photometry and radiometry"

New members of the TC become a representative from NIM (China), Mr. Ruoduan SUN (Taylor Sun) and a representative from NSC RUz (Uzbekistan), Mr. Komolitdin NAZHMUDDINOV.

Mr. Boris KHLEVNOY noticed the appeal of the representative from TÜBITAK-UME (Turkey), Mr. Özcan BAZKIR about the fact that he did not find his name in the list of TC members. It was suggested to note this fact in the Technical Protocol and to contact the COOMET Secretariat to clarify the list of TC members. Also, it was proposed to place the updated list on the TC web-page on www.coomet.net. Mr. Sergey MOSKALYUK and Mr. Anatolii BESCUPSCHII appointed responsible for this.

3 Announcement of the works in the field of photometry and radiometry by the new members of the Technical Committee of COOMET 1.7

The word was given to the representative of NIM (China), Mr. Ruoduan SUN (Taylor Sun), who spoke about the history of the creation and structure of NIM, activities in the field of photometry and radiometry, an overview of the national standards.

A representative of NSC RUz, Mr. Komolitdin NASHMUDDINOV spoke about the changes in the field of metrology that occurred in this year in Uzbekistan. The NSC RUz is working to expand the standard base, in particular, equipment for creating a standard in the field of spectrophotometry was purchased.

A representative from INIMET (Cuba), Mrs. Sandra Pedro VALDES informed the participants of the meeting about the structure of the national metrology service of Cuba.

4 On the progress of the CCPR key comparisons

A representative from PTB (Germany), Mr. Stefan KÜCK made a presentation on the progress of the current CCPR key comparisons, as well as planned in the near future.

5 Progress reports on the current COOMET comparisons

- COOMET.PR-K3a (subject COOMET: 368 / BY / 06) Key comparisons of "Luminous intensity". The pilot laboratory – BelGIM (Belarus). Mrs. Olga TARASOVA and Mr. Boris KHLEVNOY reported on the progress of the work. Partially prepared Draft A, the final version of which is recommended to be prepared no later than November 2017.

— COOMET.PR-K4 (subject COOMET: 636/UA/14) «Luminous flux». The pilot laboratory – NSC “IM” (Ukraine). Mr. Mykola HURIEV reported on the progress of the work. Comparison is finished. Final report was approved by CCPR and published at KCDB web page. CMC-data have been sent for examination, on that was received EURAMET comments. Preparation of response to received comments is in progress.

— COOMET.PR-K1.b.1 (subject COOMET: 653/RU/14) Bilateral key comparisons "Spectral irradiance in the wavelength range from 200 to 350 nm". The pilot laboratory VNIIOFI (Russia). About progress report Mr. Boris KHLEVNOY. Was finished pre-Draft A procedure. Are beginning prepare of Draft A report . Final report will be published on 2018.

— COOMET.PR-S1 (subject COOMET: 366/RU/06). Supplementary comparison «Whiteness». The pilot laboratory VNIIOFI (Russia). A proposal to replace the pilot laboratory was introduced. Mr. Boris KHLEVNOY promised to work out the question on the legitimacy of this proposal. In case of a positive decision, the representative of the NSC "IM", Mr. Mykola HURIEV agreed to evaluate the measurement results obtained previously and prepare report.

— COOMET.PR-S2 (subject COOMET: 439/RU/08). Supplementary comparison «Angle of rotation of plane of polarization». The pilot laboratory VNIIOFI (Russia). About progress report Mr. Gennady VISHNYAKOV and Mr. Alexei MITIUREV.

— COOMET.PR-S5 (subject COOMET: 429/CU/08). Supplementary comparison «Regular spectral transmittance». The pilot laboratory INIMET (Cuba). About progress report Mrs. Sandra Pedro VALDES. The measurements are carried out. It is recommended to send Pre-Draft A for all the participants of comparisons.

— COOMET.PR-S7 (subject COOMET: 599/RU/13). Supplementary comparison «Laser power». The pilot laboratory VNIIOFI (Russia). About progress report Mr. Sergey MOSKALYUK. Draft B sent for expertise.

— COOMET.PR-S8 (subject COOMET: 689/RU/16). Supplementary comparison «Wavelength for fiber optics». The pilot laboratory VNIIOFI (Russia). About progress report Mr. Vladimir KRAVTSOV. Measurements are coming to an end.

— COOMET.PR-S9 (subject COOMET: 688/RU/16). Supplementary comparison «Polarization Mode Dispersion». The pilot laboratory VNIIOFI (Russia). About progress report Mr. Vladimir KRAVTSOV. The measurements are planned to be completed by the end of 2017. A letter has been prepared for inclusion of the "Polarization Mode Dispersion in fiber optic" measurement type in the service category list of CCPR. The efficiency of the actions of the working group of comparisons COOMET.PR-S8 and COOMET.PR-S9 was noted.

— COOMET.PR-S10 (subject COOMET: 640/BY-a/14). Supplementary comparison «Color transmittance». The pilot laboratory BelGIM (Belarus). About progress report Mrs. Olga TARASOVA. At present, measurements are completed in all NMI registered in the Technical Protocol. The artifacts were sent to two organizations: NIM (China) and GUM (Poland), which, at their request, were additionally included in the list of participants.

6 Planned COOMET comparisons

— COOMET.PR-Sxx (subject COOMET:xxxxx») Supplementary comparison «Tristimulus values reflected».

Mr. Mykola HURYEV said that the NSC "IM" agrees to become a pilot laboratory on condition that assistance in the selection of artifacts will be provided. The proposal was made to begin work on the preparation of the Technical Protocol, so that for the next meeting of the TC these comparisons were registered.

— COOMET.PR-K1.a (subject COOMET:xxxx) Key comparisons (Spectral irradiance in wavelength range from 250 to 2500 nm)

Representatives from TÜBİTAK UME, NSC "IM", Ukrmetrteststandard, BelGIM and RSE KazInMetr expressed interest in carrying out these comparisons. VNIIOFI agrees to participate as a pilot laboratory, and also as a link laboratory. It is supposed to invite PTB, as the second link laboratory.

— Representatives from BelGIM, Ukrmetrteststandard and INM-MD proposal to organize pilot comparisons "Spectral transmittance in the ultraviolet region of the spectrum". As the artifacts it is offered to use liquid samples.

7 Planned comparisons of other RMOs (EURAMET, APMP, SIM)

Mr. Boris KHLEVNOY noted that the Working Group on Key Comparisons maintains a database on the Internet, which includes planned comparisons in all regional metrology organizations.

8 Long-term program of COOMET key comparisons

The key comparisons "Spectral transmission" are excluded from the long-term program of COOMET key comparisons, due to the fact that all COOMET organizations interested in these comparisons are included in the list of participants of similar EURAMET comparisons. Regarding the key comparisons "Luminous intensity" and "Luminous flux", it was decided to wait with the timing of these comparisons until the similar comparisons of CCPR end.

9 About regional and interregional examination of CMC

Mr. Boris KHLEVNOY noted the active participation of TC members in conducting regional and interregional CMC review submitted for consideration this year.

10 Changes in the structure and organization of CCPR-WG-CMC

The changes were reported by a representative from PTB (Germany), Mr. Stefan KÜCK.

11 The latest version of the Classifier CMC

Mr. Boris KHLEVNOY made a presentation.

12 On the election of the Chairman of TC 1.7

Mr. Anatolii BESCUPSCHII, a representative from INM-MD, was elected as the new chairman of TC, Dmitry Scums, the representative from BelGIM, was elected as deputy chairman of TC.

13 On the place and time of the next meeting of TC 1.7

The next meeting of TC 1.7 will be held in INIMET (Cuba). The time of the meeting will be clarified.