PROTOCOL
of the 18th Meeting of COOMET TC 1.6 "Mass and related quantities"
16 – 17 October, 2013, Kharkov, Ukraine

1. Opening of the Meeting, adoption of the Program

The Meeting was opened by the Chairperson of TC 1.6 Kolozinska I., NSC IM, Kharkov, Ukraine. She mentioned the importance of conducting such arrangements, thanked the TC Members and the guests of the Meeting for their having found time and opportunity to take part in it.

The Deputy Director of NSC IM Neyezhmakov P. addressed with a welcoming speech to the participants of the Meeting. He informed the TC Members and the guests of the Meeting about the activity of NSC IM and wished the Meeting successfully work.

There are 25 representatives of 10 Member-Countries of COOMET: Azerbaidzhan (SMC), Belarus (BelGIM), Germany (PTB), Kazakhstan (KazInMetr), Kyrgyzstan (CSM under the MER Kr), Lithuania (VMC), Republic of Moldova (NIM), Russia (VNIIM, VNIIFTRI), Ukraine (NSC "IM", Ukrmetrteststandart), Uzbekistan (THE SE "Center on rendering the metrology services") took part in the Meeting.

After introduction of the participants the agenda of the Meeting was agreed. The following agenda has been accepted: reports of the Chairperson of the TC 1.6 and chairman of the SC; informaton about 23-th Meeting of COOMET Committe, 11-th Meeting of Joint committee on standards, 31-th Meeting of JSRB; the information on the progress of work on on-going COOMET Projects; the consideration of COOMET projects, proposed by the participants of the Meeting.

2. Working of the Meeting

2.1 A summary of the state of art in the field of measurements "Mass and related quantities" in COOMET member-countries

Participants gave a short message about the state of affairs in the field of measurement on mass, force, hardness and pressure in their countries, current state and challenges for these kinds of measurements, about directions in the development of metrological assurance and modernization of reference standards.

2.2 Reports

The Chairperson of TC 1.6 Kolozinska I. and the chairman of SC gave a report on the activity of the TC 1.6 and subcommittees during 2012 – 2013 years:

– SC 1.6.2 «Force» - G.I. Leonov, Ukrmetrteststandart, Ukraina;

– SC 1.6.3 «Pressure» -presented by Gorobey V., VNIIM, Russian Federation;

– continuous field of activities «Density, Viscosity» - Domostroev A., VNIIM, Russian Federation;

– SC 1.6.4 «Hardness» - Aslanyan E., VNIIFTRI, Russian Federation, (including presentation «Final report on RMO Vicers key comparison COOMET.M.H-K1»);

- SC 1.6.1 «Mass» - - presented by Kamenskih Y., VNIIM, Russian Federation; (including presentation «Report draft B on RMO mass key comparison COOMET.M.M-K5»).

2.3 The information about scientific and technical achievements in the field of measurement of mass, pressure, and hardness

Following reports were presented:

- "Informaton about 23-th Meeting of COOMET Committe, 11-th Meeting of Joint committe on standards, 31-th Meeting of JSRB" – Neyezhmakov P., Vice-president COOMET;

- «Towards to redefinition of kilogram » – Neyezhmakov P., Pavlenko Y., NSC IM, Ukraine;

- «New standards for hardness determination » – Moshenok V., KNATU, Ukraine;

- «The modernization of primary state special standard of unit of pressure in range from 250 up to 1500 MPa SST 43-73» – Borovkov V.,VNIIFTRI, Russian Federation.

The participants discussed presentations and expressed gratitude to the speakers.

2.4 The information on the progress of on-going COOMET projects

The participants were informed on the progress of on-going COOMET projects:

- 545/UA/11 «Comparisons of complex of static volume measuring devices» - Narodnitskiy G., NSC IM, Ukraine;

- 528/KZ/11 "Pilot comparisons of submultiply and multiply units of kilogram" – Muhametkaliev R., KazInMetr, Kazakhstan;

- 560/ UA/12 «The comparison of the national hardness standards of Rockwell and Super-Rockwell scale» – Skliarov V., NSC IM, Ukraine;

- 580/RU-a/12, 578/RU/12, 555/AZ/12 The comparisons in the field of density measurements – Domostroev A., VNIIM, Russian Federation;

- 614/KG/13 «Development of methodological recommendations on the theoretical foundations of uncertainty calculation of the mass, conventional mass and their uncertainties in calibration/verification of weights» – Kotova E., CSM under the MER Kr, Kyrgyzstan Republic;

- 589/ UA/11 «Supplementary comparison of national measurement standards of negative pressure in the range from 1 MPa to 10 MPa Па» - Zuev A., NSC IM, Ukraine;

- 546/UA/11, 548/UA/11 «Key comparisons of submultiply and multiply units of kilogram» – Kolozinska I., NSC IM, Ukraine.

The participants decided to update list of current COOMET projects.

2.5 The consideration of COOMET proposed projects

The participants of the Meeting of TC 1.6 proposed to include in the Program of COOMET;

- a comparison in the field of volume (density) determination of solid body (weights);

- creation of recommendation on the gravity zone concept in COOMET-country for weighing instruments under legal control;

- researching in the field of saturated vapor pressure of petroleum products.

3. The place and date of next Meeting of TC1.6

Next Meeting of TC 1.6 planned in Kishinev, Moldova, in October, 2014.

4. The resolution of the Meeting

The Resolution of the 18th Meeting of COOMET TC 1.6 is given in Annex.

Irena Kolozinska
Chairperson of TC 1.6