



Minutes
of the 1st meeting of COOMET Task Group for Countries and Economies with
Emerging Metrology Systems Support
August 29, 2023

In the working of the 1st of COOMET Task Group for Countries and Economies with Emerging Metrology Systems Support (TG-CEEMS) was attended by:

Representatives of national metrological institutions of COOMET member countries		
Country	Country	Country
AZERBAIJAN	1. Azer GURBANOV	COOMET Committee member , AzMI
ARMENIA	2. Kamo MOVSISYAN	COOMET Committee member , CJSC "NBSM"
	3. Ruzanna SARYAN	National Secretariat in Armenia, CJSC "NBSM"
BELARUS	4. Nadezhda LIAKHOVA	Head of COOMET Secretariat , BelGIM
KAZAKHSTAN	5. Bauyrzhan MUKHAMEDZHANOV	Chair of TG-CEEMS , KazStandard
	6. Ainur RAKHADINOVA	KazStandard
	7. Aiman ILGUNDINOVA	Secretary of TG-CEEMS , KazStandard
KYRGYZSTAN	8. Almazbek BAYALIEV	COOMET Committee member , KYRGYZSTANDART
	9. Marina DENISOVA	KYRGYZSTANDART
	10. Elmira ABASBEKOVA	National Secretariat in Kyrgyzstan, KYRGYZSTANDART
RUSSIA	11. Olga SHABALINA	Executive Secretary of TC 1.4, VNIIR - branch of FSUE "VNIIM named after D.I.Mendeleev"
	12. Alexey NIKOLAENKO	Representative of TC 1.2, VNIIFTRI
TAJIKISTAN	13. Musalama KHUDOIEVA	National Secretariat in TAJIKISTAN, Tajikstandard
UZBEKISTAN	14. Nuriddin RAIMZHONOV	Representative of COOMET Committee member , UzNIM
	15. Marat YUNUSOV	Acting TC 2 Chair, National Secretariat in Uzbekistan, UzNIM

The 1st of COOMET Task Group CEEMS was convened by the Chair Bauyrzhan Mukhamedzhanov and held in online format on August 29, 2023.

It was adopted the following agenda of the meeting:

№	Issue	Speaker(s)
1.	Summary report on the work done within the framework of the TG-CEEMS	Bauyrzhan Mukhamedzhanov, participants of the meeting
2.	Discussion of the draft COOMET Program for assistance CEEMS for 2023-2025	
2.1	Discussion of Section 1. Organization of comparisons	
2.2	Discussion of Section 2. Performing calibrations	
2.3	Discussion of Section 3. Assistance in preparing for external evaluation (peer review) for the implementation of measurement traceability	
2.4	Discussion of Section 4. Internships under the authority of COOMET	

RESULTS OF THE AGENDA ITEMS CONSIDERATION

As part of the first item on the agenda, the Chairman of TG-CEEMS Bauyrzhan Mukhamedzhanov briefly told the participants about the work done earlier on CEEMS.

Within the framework of the second item of the agenda, the draft Program of COOMET for Assistance CEEMS for 2023-2025 (hereinafter - the draft Program) was presented, on which the main discussion was conducted.

Also, Chairman Bauyrzhan Mukhamedzhanov proposed to send this draft Program to the chairmen of the technical committees of COOMET for consideration and further implementation of relevant work within their competence. The proposal was supported by the Head of the COOMET Secretariat Nadezhda Liakhova and the participants of the meeting.

Nadezhda Liakhova also recommended holding a meeting of the Task Group CEEMS with the participation of representatives of the NMIs of those countries that offered their services in conducting calibrations and internships.

The prepared draft of the Program was demonstrated to the participants and a detailed review and step-by-step discussion of its sections took place in order to clarify the timing and update the submitted proposals from the CEEMS NMI (Armenia, Kyrgyzstan, Tajikistan and Uzbekistan). The agreed clarifications to the draft Program are presented below.

Раздела 1. Организация сличений

During the discussion:

- Representatives of NMI CEEMS (Kyrgyzstan, Tajikistan) joined the following comparisons:

1. T: Pilot comparisons of digital thermometers (COOMET project 890/KZ/23);
2. T: Additional comparisons of COOMET for resistance temperature detector;
3. T: Pilot or additional COOMET comparisons for relative humidity hygrometers;
4. M: Additional comparisons in the field of mass measurement in the range from 1 mg to 1 kg.

B. Mukhamedzhanov proposed to combine comparisons related to thermometry, however, due to projects already opened earlier by different pilots (COOMET 885/BY/23, COOMET 890/KZ/23), this proposal was rejected. But it is subject to discussion at the meetings of the TCs COOMET.

- in agreement with Uzbekistan, the item "T: Additional comparisons in the field of thermometry from 0 °C to 200 °C." was excluded. Object: platinum resistance thermometers by direct comparison";

- representatives of NMI CEEMS (Armenia, Kyrgyzstan, Tajikistan) confirmed their readiness to join

the comparisons "M: Additional comparison in the field of calibration of weights of accuracy class: E2; measurement interval: from 1 mg to 20 kg. Object: kettlebells with (nominal values of 10 mg, 500 mg, 5 g, 10 g, 100 g and 5 kg)". At the same time, Marina Denisova, a representative of Kyrgyzstandart, noted that this issue is still subject to consideration and clarification in Kyrgyzstan, Musalama Khudoieva, a representative of Tajikstandart, confirm the possibility of Tajikistan's participation in this comparison, but in the range up to 500 mg and with weights of accuracy class E2.

- in agreement with UzNIM, the item "PR: Additional comparison in the field of illumination from 50 to 5000 lx was deleted. Object: incandescent lamps according to the unit of light intensity";

- representatives of Kyrgyzstan and Tajikistan confirmed their readiness to join the comparisons "EM: Measures and stores of electrical resistance (by air method); EM: Calibrator of alternating and direct current and voltage", and representatives of Armenia - to the comparisons "RI: Two-way comparisons on the measurement of kerma in the air and the associated values of gamma radiation of caesium-137 and/or X-ray radiation". It should be noted that these comparisons face the problem of transporting standards. This issue was discussed at the meeting of TC 1.9, following which it was decided to conduct bilateral comparisons.

- comparisons "L: End measures of length" and "L: Additional comparison in the field of end gauges. Object: the parallel slip gauges from 1 to 100 mm", in agreement with the participants, were combined into one item;

Of the proposed items of the NMI (not CEEMS), two proposals were included from China "Additional comparison in the field of measurements of kinematic viscosity of a liquid" and the Russian Federation "M: Additional comparisons in the field of mass and volume flow of water".

The members of the COOMET Committee from CEEMS were recommended to study the entire list of proposals of the NMI (not CEEMS) additionally and send interested offers to the Chairman of the TG-CEEMS. This list is excluded from this Program.

In agreement with the participants of the meeting, the deadlines for the implementation of some projects were clarified.

Sections 2 "Performing calibrations" and 3 "Assistance in preparing for external evaluation (peer review) for the implementation of measurement traceability " at the suggestion of Bauyrzhan Mukhamedzhanov, the meeting participants agreed to exclude, since these sections can be performed bilaterally and on a reimbursable basis by agreement between the countries.

Section 4. Internships under the authority of COOMET. In this section, at the suggestion of B. Mukhamedzhanov, it is necessary to optimize the proposed positions in the directions and generalize for all countries.

The meeting participants approved this proposal, while emphasizing the need for funding on a gratuitous or partially reimbursable basis in order to support CEEMS.

The Head of the COOMET Secretariat noted that the proposals of CEEMS regarding the organization of training events will be considered as part of the preparation of the annual Plans of training events of COOMET (in order to avoid duplication of work).

The Chairman of TG-CEEMS thanked the participants for the active discussion of the issues, and also offered to actively participate in the further work of the Task Group. This draft Program will be finalized in accordance with today's discussion and sent for consideration and subsequent discussion at the meetings of the TCs and with COOMET members (not CEEMS).

Updated draft of the COOMET Program for Assistance CEEMS for 2023-2025 taking into account the discussion and the decisions taken is presented in Annex 1.

DECISIONS AND ACTIONS:

1. To request the Chairman of the TG-CEEMS, Bauyrzhan Mukhamedzhanov, to amend Section 2. "Internships under the authority of COOMET", taking into account the discussion and proposals on optimization and generalization of the items of this section **until September 8, 2023** for subsequent referral and consideration by interested parties.
2. To ask the members of the COOMET Committee from CEEMS (Armenia, Kyrgyzstan, Tajikistan, Uzbekistan) to consider and give suggestions and comments on the draft Program **by September 20, 2023**.
3. To ask the Chairmen of TC 1.2 – TC 1.11 of COOMET to consider the draft Program and update the status of the proposed positions in Section 1. "Organization of comparisons" at their meetings in 2023; send proposals for clarification to the Secretariat of the TG-CEEMS.
4. To send the draft Program to the members of the COOMET Committee from non-CEEMS countries and ask them by October 9, 2023:
 - to review the draft Program and update the status of the proposed positions in the presented items of the draft Program.
 - to consider the possibility of the NMIs of their countries acting as pilots of comparisons for the needs of CEEMS and conducting them on a gratuitous or partially reimbursable basis for CEEMS;
 - to consider the possibilities of their NMI, assistance resources (organization and/or piloting comparisons, financing of training, internships, etc.) and give their suggestions within the framework of Section 2 "Internships under the authority of COOMET".
5. To ask the Chairman of the TG-CEEMS Baurzhan Mukhamedzhanov to submit the draft Program for consideration by the Presidential Council (November 2023) and subsequent approval by the COOMET Committee in 2024.

Baurzhan Mukhamedzhanov,
Chairman of the Task Group CEEMS

Aiman Ilgundinova,
Secretary of the Task Group CEEMS