ANNUAL REPORT
TC 1.4 «FLOW MEASUREMENT»
for the period from 01.01.2022 to 31.12.2022

1 GENERAL CHARACTERISTIC OF COOPERATION, INCLUDING INFORMATION ON THE IMPLEMENTATION OF THE COOMET STRATEGY AND THE COOMET DEVELOPMENT PROGRAM

TC 1.4 includes representatives of 16 COOMET member countries: Azerbaijan, Armenia, Belarus, Bulgaria, Germany, Georgia, Kazakhstan, Kyrgyzstan, Cuba, Lithuania, Moldova, Russia, Slovakia, Tajikistan, Uzbekistan and Ukraine.

Note – in October 2022, a notification from the Ministry of Economy of Ukraine about the suspension of participation in the CSB was received, in December 2022, a notification from the Ministry of the Economy and Innovation of the Republic of Lithuania about the termination of participation of Lithuanian institutions in COOMET was received.

In October 2022 by decision of the COOMET Committee (Minutes of the 33rd meeting of the COOMET Committee), Roman Korneev (VNIIM-VNIIR, Russia) was appointed as the Chair of TC 1.4 for a term of office of 4 years (until October 2026).

TC 1.4 members participated in the implementation of a number of activities provided by the COOMET Development Program for 2020 – 2022 and the Roadmap for the implementation of the COOMET Strategy for 2020 – 2025, specifically:

- **9. (Ind-a.1.9)** Analysis of the timing of the COOMET comparisons and the implementation of corrective actions to reduce it: work was carried out to officially complete the COOMET.M.FF-S4 comparisons in the KCDB (COOMET project 452/SK-a/09 «Comparisons of calibration laboratories in the field of cold water flowmetry in the flow range (3 – 20) m^3/h»).
- **78.** Formation and implementation of the COOMET Recommendations development plan containing requirements for the calibration of various groups of measuring instruments (Calibration Guidelines): a draft of COOMET Recommendation «Flow converters, flow meters and liquid meters, volumetric and mass. Calibration methodology» was sent out to TC 1.4 members for consideration and provision of comments and suggestions.

2 TC MEETINGS

One meeting was held in 2022.

The 19th meeting of TC 1.4 was held online on 15.12.2022. TC members and specialists from 7 COOMET member countries (Armenia, Belarus, Georgia, Kazakhstan, Russia, Tajikistan, Uzbekistan) attended the meeting.

3 CURRENT STATE OF COOMET PROJECTS

In 2022, work was carried out on the following projects:

3.1 Project 760/RU-a/18 Supplementary comparisons of national standards in the field of liquid flow and mass in the flow range from 0.1 to 45 t/h

The Draft A report was sent to participants for approval.

3.2 Project 852/RU/21 Supplementary comparisons of national standards in the field of gas flow and volume at gas flow rate from 0.4 to 100 m^3/h

The letters with a request to confirm readiness to participate in the implementation of this project were sent to comparison participants. The estimated start date is 2023.

3.3 Project 545/UA-a/11 Comparisons of complex of static volume measuring devices

The pilot is preparing a Draft A report to submit for approval.

4 INTERACTION WITH INTERNATIONAL AND REGIONAL ORGANIZATIONS

In 2022, representatives of TC 1.4 took part in meetings of the Working Group for Fluid Flow of the Consultative Committee for Mass and Related Quantities (WGFF CCM) BIPM. The online meetings were held on March 21, November 29 and December 6.

5 WORK ON PARTICIPATION IN THE IMPLEMENTATION OF THE AGREEMENT ON MUTUAL RECOGNITION OF NATIONAL STANDARDS

In 2022, TC 1.4 experts submitted an intraregional review of 1 CMC in the field of gas flow from 1 to 7800 m^3/h.

The lists of COOMET technical experts on CMC review and assessment of QMS of NMI/NI were updated.

6 INFORMATION ON THE PROPOSED PLACE AND DATE OF THE NEXT MEETING

At the 19th meeting of TC 1.4, the members of the technical committee suggested to hold the next online meeting in March 2023.

Roman Korneev
Chair of TC 1.4 «Flow Measurement»