

MINUTES

16th meeting of technical committee TC 1.4 “Flow measurement”

Kazan, Russia

3 September 2019

In attendance were:

1. Victor Fafurin – Chairperson of TC 1.4 (Russian Federation)
2. Aleksandr Bardonov - Head of production and research Department of pressure and flow measurement BELGIM (Belarus);
3. Aleksey Matveev – Chief expert, West Kazakhstan Branch of RSE "Kazakhstan Institute of Metrology" (Kazakhstan);
4. Arūnas Stankevičius - Engineer, Lithuanian energy Institute (Lithuania);
5. Victor Grushka - Head of flow and volume laboratory, national Institute of Metrology (Moldova);
6. Gennady Narodnitsky - Senior researcher, NSC "Institute of Metrology" (Ukraine);
7. Nurtas Akhmetzhanov - Director of the West Kazakhstan Branch of the Republican State Enterprise "Kazakhstan Institute of Metrology" (Kazakhstan);
8. Aidar Mingaleev - researcher of the research Department of metrological support of equipment and systems of measurements flow and quantity of gas FGUP "VNIIR", the scientist-Keeper of the state primary standard of units of volume and mass flow of gas GET 118-2013 (Russian Federation);
9. Albert Tukhvatullin - researcher of the research Department of metrological support of means and systems for measuring the flow and quantity of liquid FGUP " VNIIR, the scientist-Keeper of the state primary special standard of units of mass and volume liquid flow, mass and volume flow of fluid of GET 63-2017 (Russian Federation);
10. Ilya Isaev– Senior Researcher, Research Department of Metrological Support of Means and Systems for Measuring Gas Flow and Amount of Gas, FGUP «VNIIR» (Russian Federation);
11. Olga Sladovskaya - Secretary of TC 1.4, Scientific Secretary of FGUP VNIIR (Russian Federation);

Total number of member organizations TC 1.4 - 6



OPENING OF THE MEETING.

TC 1.4 Chairperson, V. A. Fafurin, opened the meeting and welcomed the Technical Committee members and guests of the meeting.

ADOPTION OF THE AGENDA

After the procedure for introducing participants to the meeting, the technical committee adopted the following agenda.

№	Agenda item	Reporter
1	Information on the results of the 29th COOMET Committee meeting	V. Fafurin
2	Discussion and approval of the voting results on the draft new Regulation on the Technical Committee of COOMET "Flow measurement" (TC 1.4)	V. Fafurin
3	Approval of the list of technical experts on examination of lines in the field of gas and liquid flow	V. Fafurin
4	On the progress of the comparisons of national standards COOMET 680 / RU-a / 16 "Comparisons of national standards in the field of gas flow and volume in the flow range from 20 to 6500 m ³ / h"	A. Mingaleev
5	On the progress of comparisons of national standards COOMET 760 / RU / 18 "Regional key comparisons of national standards in the field of flow and water volume in the flow range from 0.1 to 45 t / h"	A. Tukhvatullin
6	Information on the progress of work on comparisons included in the program of COOMET comparisons	Meeting participants
7	The international activity of TC 1.4: participation in the annual meeting of the Working group on Flow Measurement Advisory Committee for mass and related quantities of the International Bureau of weights and measures (CCM-WGFF BIPM) and activities in the framework of cooperation of COOMET and EURAMET	I. Isayev
8	Any other business	

RESULTS OF THE MEETING

1. Information on the results of the 29th meeting of the COOMET Committee.

Chairperson of the TC 1.4 Technical Committee V. A. Fafurin presented to the meeting participants information on the activities of the Technical Committee after the 15th meeting (September 2018-September 2019) in the context of COOMET activities. The report reflected the following areas of work of the



COOMET Committee: the work of the Working group on the development of COOMET development strategy, the status of work on the implementation of new definitions of SI units, the upcoming COOMET seminar "Redefinition of the International system of units (SI)" in October 2019 in St. Petersburg.

The results of the work of the Technical Committee of COOMET TC 1.4 over the past year regarding the implementation of the CIPM MRA Agreement (examination of CMC data) are presented.

The decisions of the COOMET Committee made at the 29th meeting regarding the extension of the term of office of the Chairperson of TC 1.4, V.A. Fafurin, were announced for 4 years until 2023.

2. Discussion and approval of the voting results on the draft of new Regulation on COOMET Technical Committee "Flow measurement" (TC 1.4)

V.A Fafurin announced the results of absentee voting on the draft Regulation on the Technical Committee of TC 1.4. The finished draft regulation on the technical committee of TC 1.4 reflects all COOMET recommendations contained in the Model Regulation on the COOMET structural body.

According to the results of open voting (for-7, against-0, abstained-0) on the draft new Regulation on the Technical Committee of COOMET "Flowmetering" (TC 1.4), it was decided to adopt the draft new Regulation on the Technical Committee of TC 1.4.

3. Approval of the list of technical experts on examination of CMC in the field of gas and liquid flow

In connection with the updating of the expert group in the field of Flow metering for conducting an internal examination of the measuring and calibration capabilities of COOMET national metrological institutes and interregional examination of the institutes of other regional metrological organizations, the list of experts from the technical committee of TC 1.4 has been updated.

According to the results of open voting (for - 7, against – 0, abstained – 0) it was decided to approve the new list of experts TC 1.4.

4. On the progress of comparisons of national standards on the subject of COOMET 680/RU-a/16 "Comparisons of national standards in the field of gas flow and volume in the flow range from 20 to 6500 m³ / h"



The coordinator of COOMET comparisons 680/RU-a/16 of FGUP "VNIIR", Mingaleev A. V. reported the progress of the project.

Decided:

To approve the results of the work on COOMET 680/RU-a/16 "Comparisons of national standards in the field of gas flow and volume in the flow range from 20 to 6500 m³/h".

5. On the progress of comparisons of national standards on the subject of COOMET 760/RU/18 "Regional key comparisons of national standards in the field of flow and water volume in the flow range from 0.1 to 45 t/h"

Coordinator of comparisons COOMET 760 / RU/18 from FGUP "VNIIR" Tukhvatullin A. R. reported on the progress of work on this project.

Decided:

To coordinate technical Protocol COOMET project 760/RU/18.

6. Information on the progress of work on comparisons included in the COOMET comparison program

According to the project 652/UA-a/14 "Bilateral comparisons of standards of volume and volume flow of low-pressure gas" information on the progress of work announced Narodnitsky G. Y.

Decided: to exclude this project from the program of comparisons of COOMET as irrelevant.

According to projects 684/MD/16 "Comparison of national standards of gas flow" and 685/MD/16 "Comparison of national standards of liquid flow" information on the progress of work announced Grushka V.N.

Decided:

Project 685/MD/16 "Comparisons of national fluid flow standards" is closed as irrelevant.

To approve works on the project 684/MD/16 "Comparisons of national standards of gas consumption".



According to the project 406/UA-a/07 "Comparison of national standards of units of mass and volume flow of liquid" information on the progress of work announced Tukhvatullin A.R.

Decided: To recommend to participants of comparisons to prepare for CMC publications according to the results of these comparisons.

7. The international activity of TC 1.4: participation in the annual meeting of the Working group on Flow Measurement Advisory Committee for mass and related quantities of the International Bureau of weights and measures (CCM-WGFF BIPM) and activities in the framework of cooperation of COOMET and EURAMET

Isaev I.A. gave information on the work of the Technical Committee of TC 1.4 in the framework of cooperation between COOMET and EURAMET, and on participation in the BIPM flow working group

Resolved:

To approve the work of TC 1.4 on cooperation between COOMET and EURAMET. In accordance with the Action Plan for Cooperation between COOMET and EURAMET for 2019, to intensify work in terms of comparisons, as well as mutual participation in meetings of TC COOMET and EURAMET.

Chairperson of TC 1.4



V. Fafurin

Secretary of TC 1.4

O. Sladovskaya

