

MINUTES of the 16th Meeting of the Technical Committee 1.11 of COOMET

"Time and frequency"

November 9, 2023, on-line

The 16th online meeting of TC 1.11 COOMET "Time and Frequency" was held on November 9, 2023 using the Zoom platform.

List of representatives of the participating countries

№	Participating country	Representative	Organization
1	Armenia	Armenui Khachatryan, member of TC 1.11 info@metrology.am	ZAO "National Body for Standardization and Metrology ("ZAO NOSM")
2	Belarus	Elena Takun, scientist keeper of the time and frequency standard takun@belgim.by	Belarussian State Institute of Metrology (BelGIM)
3	Kazakhstan	Sultanbek Smagulov, member of TC 1.11 s.smagulov@ksm.kz Ainur Rkhadinova, COOMET Secretariat	Kazakhstan Institute of Standardization and Metrology (KazStandart)
4	Moldova	Elena Makarova marimi.electrice@inm.gov.md	National Institute of Metrology (PU NIM)
5	Russia	Igor Norets, Chairman of TC 1.11 norets_igor@vniiftri.ru Andrey Zharikov, Executive Secretary of TC 1.11 a.zharikov@mail.ru Karaush Artem karaush_aa@vniiftri.ru Andrey Balabaykin balabaikin@vniiftri.ru Victor Klyuev klyuev@vniiftri.ru	Federal State Unitary Enterprise "Russian Metrological Institute of Technical Physics and RadioEngineering" (VNIIFTRI)
		Nikita Zvyagin, Chairman of the JSC N.D.Zviagin@vniim.ru	D.I.Mendeleyev Institute for Metrology, VNIIM
		Andrey Pankov, Project Manager apankov@vniims.ru	All-Russian Research Institute of Metrological Service
6	Uzbekistan	Lyubov Gazieva, member of TC 1.11 apple-4@mail.ru	Uzbek National Institute of Metrology

Taking into account the requirements for a quorum at a meeting of the COOMET structural body according to document COOMET D5/2021, a **quorum at the meeting of TC 1.11 is provided**. TC members from 15 COOMET member countries have been appointed, 12 countries participate in the quorum calculation, members of 3 countries have the status of "observer" (Bulgaria, Georgia, Tajikistan). A quorum is provided with the participation of representatives of 6 countries or more.

The following agenda was adopted:

№	Вопрос	Докладчик
1.	Report on the activities of TC 1.11 in 2023, including analysis of the decisions of the previous meeting and information on the participation of the TC representatives in meetings of working bodies of international organizations and RMOs	<i>I.Norets, TC Chairman</i>
2.	Information about the decisions of the COOMET Committee and the Presidential Council	<i>A. Rachmaninova, Head of the COOMET Secretariat</i>
3.	Information message on the decisions of the 25th meeting of the Joint Committee on Standards of COOMET and discussion of issues related to the decisions taken	<i>N. Zvyagin, Chairman of the JCS</i>
4.	COOMET concept on digital transformation in the field of metrology	<i>A. Pankov, Project Manager</i>
5.	Discussion of the Draft Program of COOMET on providing assistance to CEEMS for 2023-2025	<i>Chairman of the TC, theme coordinators</i>
6.	Report on proposals sent to the Radiocommunication Bureau of the International Telecommunication Union	<i>V. Klyuev</i>
7.	About the state of COOMET themes in the field of time and frequency measurements	<i>Chairman of the TC, theme coordinators</i>
7.1.	On the progress of work on the theme COOMET 398/RU-a/07, pilot – VNIIFTRI	<i>I.Norets, TC Chairman</i>
7.2.	On the progress of work on the theme of COOMET 883/UZ-a/23, pilot – UzNIM	<i>Л. Газиева</i>
8.	On the implementation of the CIPM MRA Agreement	
8.1.	Consideration of issues of intra- and interregional CMC expertise on the KCDB 2.0 platform of the TC member countries and the participation of experts on the type of measurements in the CMC review of other RMOs	<i>I.Norets, TC Chairman</i>
8.2.	Updating the lists of technical experts on CMC review and QMS assessment in the field of time and frequency measurements	<i>A. Zharikov, Secretary of the TC</i>
9.	Administrative issues	<i>A. Zharikov, Secretary of the TC</i>
9.1.	Information about changes in the composition of the TC	<i>A. Zharikov, Secretary of the TC</i>
10.	Short reports on the current state of metrological activity in the field of time and frequency measurement in the COOMET countries	<i>TC members</i>
11.	Other issues	<i>Participants of the meeting</i>
12.	Date and time of the next meeting	<i>A. Zharikov, Secretary of the TC</i>
13.	Discussion of the TC meeting outcomes	<i>Participants of the meeting</i>

DECISIONS OF THE MEETING

Paragraph 1:

The decision made:

- 1) To take into account information on the activities of TC 1.11 in 2023.

Paragraph 2:

The decision made:

- 1) Take into account information on the decisions of the COOMET Committee and the Presidential Council;

Paragraph 3:

The decision made:

- 1) Take into account information on the decisions of the 25th meeting of the Joint Committee on Standards of COOMET and be guided by them when performing work within TC 1.11.

Paragraph 4:

The decision made:

- 1) Take into account information on the COOMET Concept on Digital Transformation in the field of metrology.

Paragraph 5:

CEEMS requests regarding the organization and performance of comparisons of standards and calibrations of standards, as well as training events were discussed.

The decision made:

- 1) Note the inexpediency of performing COOMET comparisons due to the absence of interested participants.

Paragraph 6:

The decision made:

- 1) Take into account information on the proposals sent to the Radiocommunication Bureau of the International Telecommunication Union.

Paragraph 7:

The current state of the COOMET themes was considered, as well as issues of updating the themes of cooperation and new promising projects.

7.1 Topic 398/RU-/07 Key comparisons of national standards of time and frequency with the UTC (SU) time scale of the Russian Federation - (CCTF-K001.UTC), the coordinator of comparisons I. Norets.

The decision made:

- 1) Take into account information on the results of the comparison of the countries - participants of the project.

7.2 Topic 883/UZ-a/23 Bilateral pilot comparison of the UTC (UME) time scales of Turkey and UTC (UzNIM) of Uzbekistan, the coordinator of comparisons Sh.Ismatullaev.

The decision made:

- 1) Take into account information on the progress of preparations for the comparisons of the

countries - participants of the project.

Paragraph 8:

Issues of intra- and interregional expertise of CMC on the platform were discussed
KCDB 2.0.

Decisions taken:

- 1) Take into account information provided by the Chairman of TC 1.11 on the status of intra- and interregional CMC review on the KCDB 2.0 platform of TC member countries and the participation of experts on the type of measurements in the CMC review of other RMOs
- 2) To update the lists of technical experts and candidates for technical experts on CMC review and QMS assessment in the field of time and frequency measurement by December 29, 2023.
- 3) The Chairman of TC 1.11 should send the above lists to the COOMET Secretariat by January 01, 2024 to update the information on the TC 1.11 page on the COOMET web portal.

Paragraph 9:

The decision made:

- 1) To appoint Andrey Vladimirovich Balabaykin as the Executive Secretary of TC 1.11.

Paragraph 10:

The reports of TC 1.11 members on the current state of metrological activities in the field of time and frequency measurements in their laboratories were presented.

Paragraph 11:

The decision made:

- 1) To exchange information on calibration capabilities of laboratories before December 29, 2023.

Paragraph 12:

The decision made:

- 1) The 17th meeting should be held in March-April 2024 (date, place and format of the meeting should be agreed on a working basis).

TC 1.11 Chairman

TC 1.11 Executive secretary



I. Norets

A. Balabaikin