

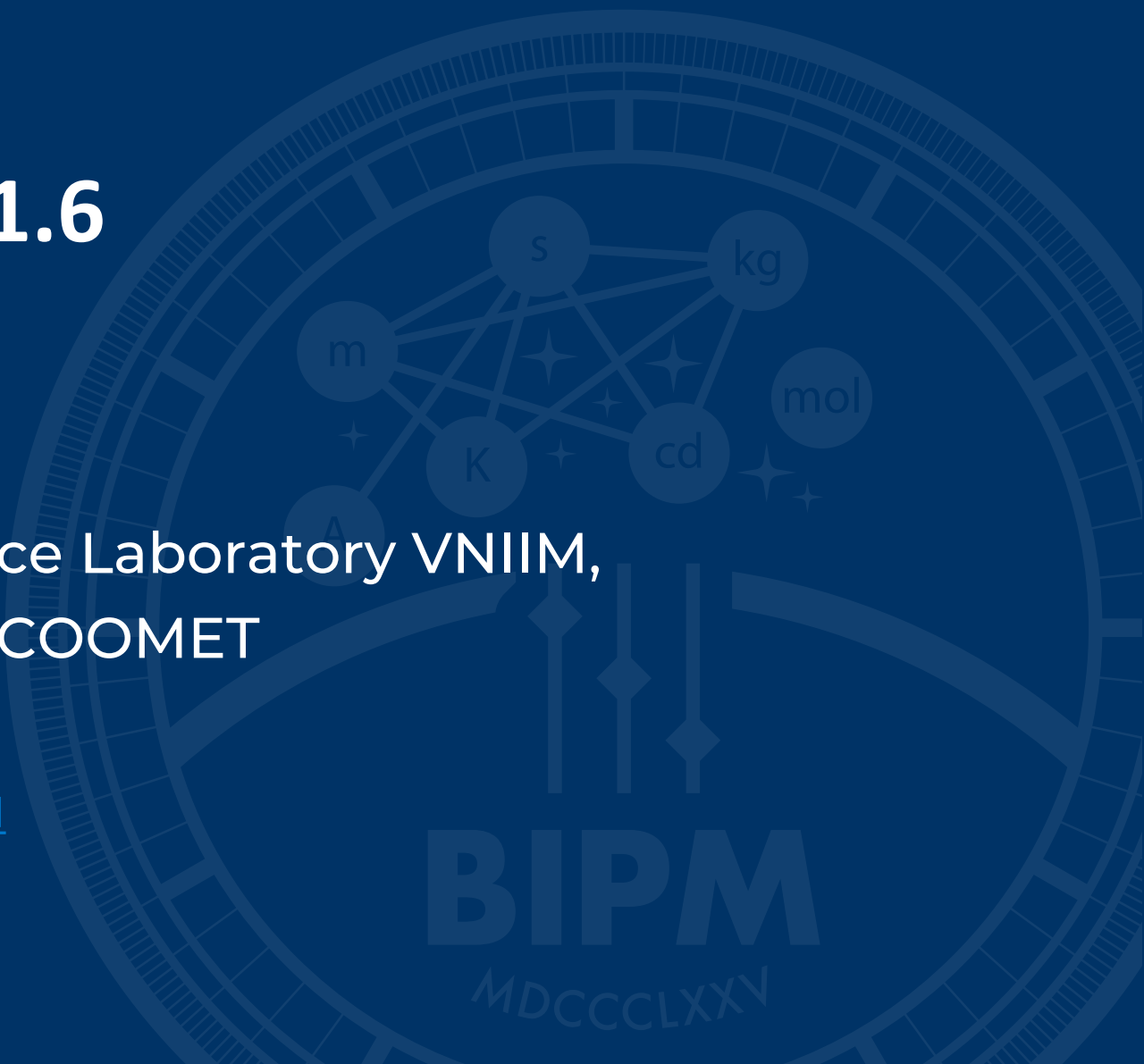


Report of COOMET TC-M 1.6

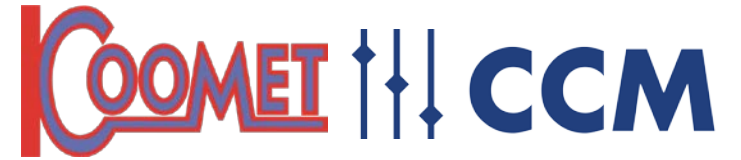
CCM-WGS, 26 June 2025, Sèvres, France



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COOMET TCM STATES



State

Armenia



Azerbaijan



Belarus



Bosnia and Herzegovina



Cuba



Georgia



Kazakhstan



State

Kyrgyzstan



Moldova



Russia



Slovakia



Tajikistan



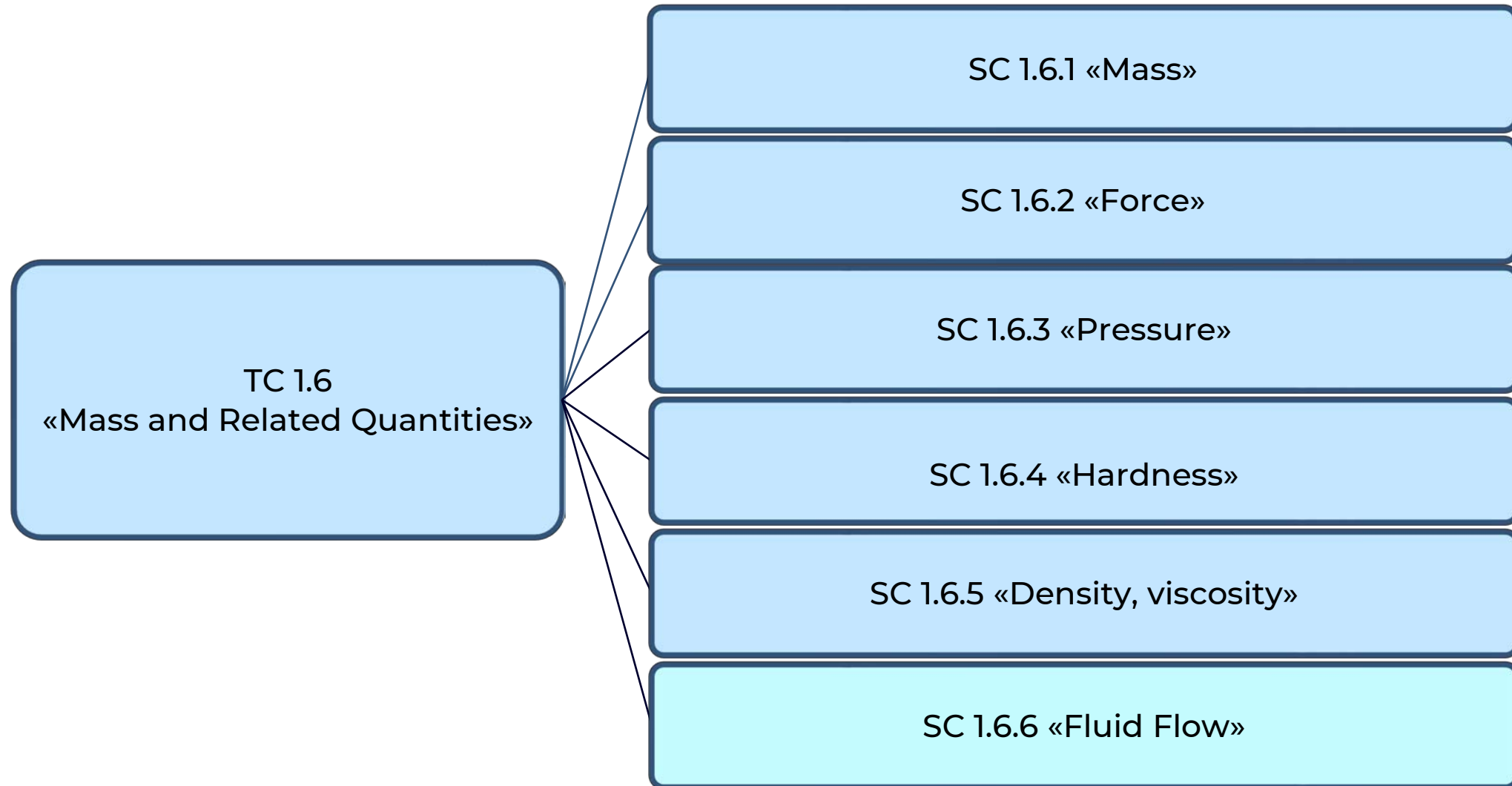
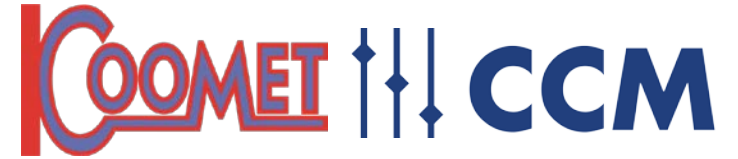
Türkiye



Uzbekistan



COOMET TCM SUBCOMMITTEES



COOMET TCM ACTIVITY FIELDS



Activity Fields
of TC 1.6
«Mass and Related
Quantities»

«Small Static Quantity of Liquid»

«Gravity»

«Flow Speed»

«Liquid Flow»

«Gas Flow»

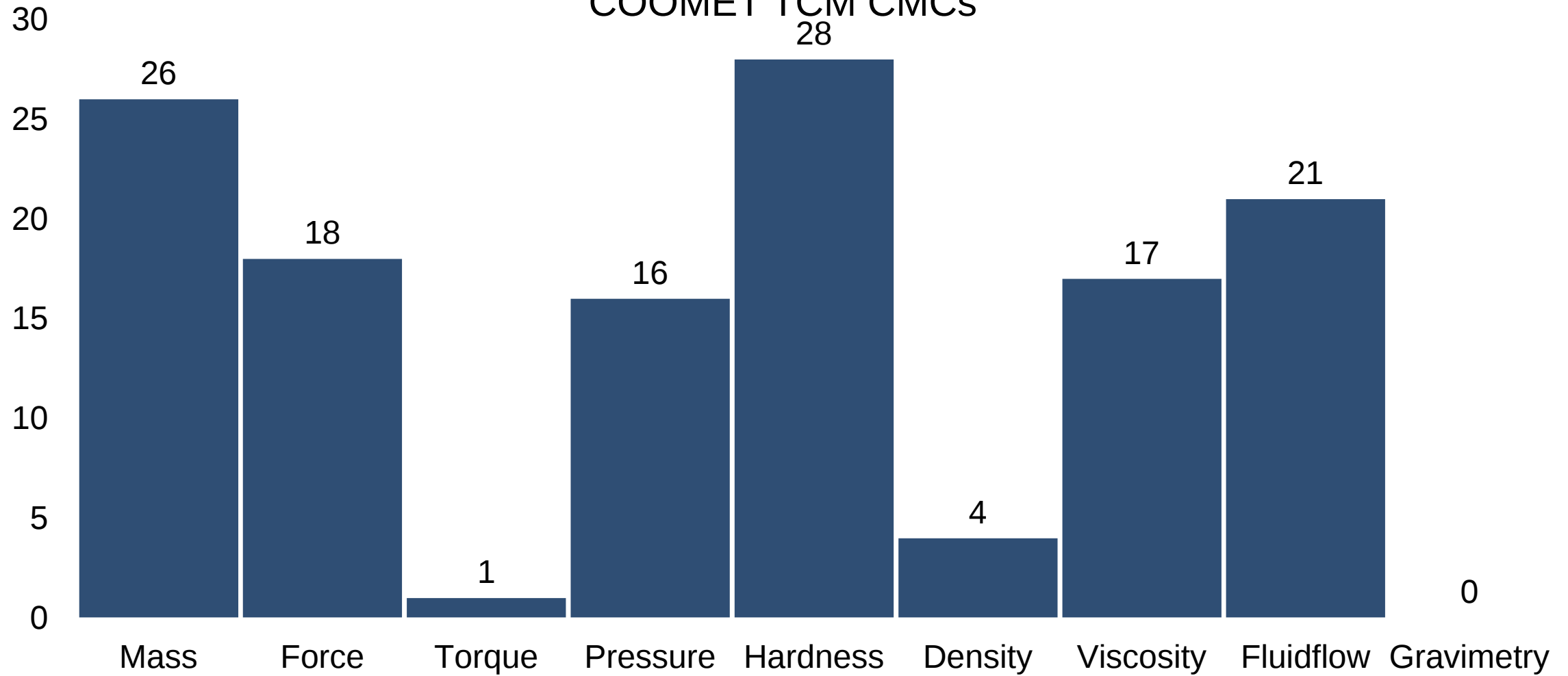
«Multiphase Flow»

«Heat Flow»

«Quantity of Fluid»

COOMET TCM CMCs

COOMET TCM CMCs



COOMET TCM CMCs

Distribution of CMCs by NMI:

<i>NMI</i>	<i>State</i>	<i>Number</i>
VNIIM	Russia	61
KazStandard	Kazakhstan	22
BelGIM	Belarus	16
INIMET	Cuba	12
VNIIFTRI	Russia	11
AzMI	Azerbaijan	8
RCAM-Rostest	Russia	1
Total number of CMCs:		131

HISTORY OF PARTICIPATION IN MEETINGS OF TC 1.6

№	Country	HISTORY OF PARTICIPATION IN MEETINGS OF TC 1.6			2024
		2020	2022	2023	
1	Azerbaijan	-	✓	✓	✓
2	Armenia	-	✓	✓	✓
3	Belarus	✓	✓	✓	✓
	Bulgaria	-	-	-	Observer
4	Bosnia and Herzegovina	✓	✓	✓	✓
5	Germany	✓	-	-	-
6	Georgia	✓	✓	-	✓
7	Kazakhstan	✓	✓	✓	✓
8	Cuba	-	✓	✓	✓
9	Kyrgyzstan	✓	✓	✓	✓
10	Moldova	✓	✓	-	✓
11	Russia	✓	✓	✓	✓
12	Slovakia	✓	✓	-	✓
13	Tajikistan	✓	✓	✓	✓
14	Türkey	✓	✓	✓	✓
15	Uzbekistan	✓	✓	✓	✓
					14 of 15

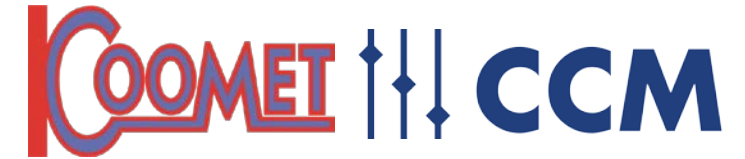
TC 1.6 meeting + Round table were held in Tashkent (UZ) and online



October 1 to 3, 2024



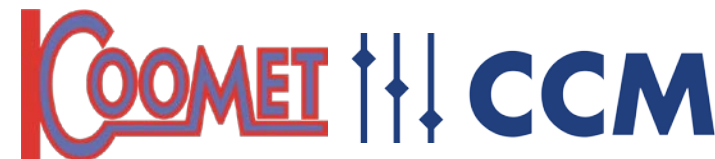
#WE
ARE
COOMET



The 28th TC 1.6 "Mass and related quantities" meeting and the Round table on the areas included in the technical committee were held on **October 1 to 3, 2024 in Tashkent (Uzbekistan)** and online with **46 specialists** from **13 COOMET member countries**: Azerbaijan, Armenia, Belarus, Bosnia and Herzegovina, Georgia, Kazakhstan, Kyrgyzstan, Cuba, Russia, Slovakia, Tajikistan, Türkiye, Uzbekistan.

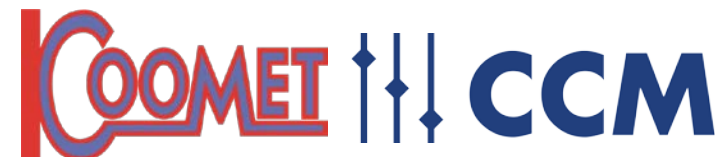
The next 29th meeting of TC 1.6 is scheduled for 1-2 October 2025 in Baku, Azerbaijan.

COMPARISON



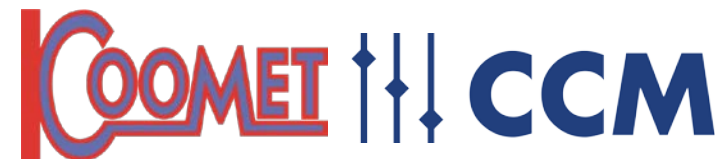
ID	Title	Range	Status
COOMET.M.M-S6	Supplementary Mass Comparison	20 kg	Measurements in progress
COOMET.M.M-S7	Supplementary Mass Comparison	1 mg, 10 mg, 100 mg, 1 g, 10 g, 100 g, 1 kg, 5 kg	Measurements in progress
COOMET.M.F-S1	Supplementary Force Comparison	50 kN, 100 kN, 200 kN, 500 kN, 1 MN, 1,5 kN, 1,95 kN	Completed
COOMET 912/RU/24	Key Force Comparison	50 kN, 100 kN, 500 kN, 1000 kN	A technical protocol is being prepared

COMPARISON



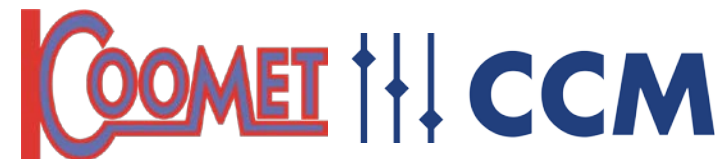
ID	Title	Range	Status
COOMET 896/RU/23	Pilot Torque Comparison	From 0.1 up to 1 N·m	Project has been registered
COOMET.M.P-S3	Supplementary Pressure Comparison	From 250 MPa up to 1500 MPa	DRAFT A in progress
COOMET 904/UZ/24	Pilot comparison of national (working) standards for static gauge pressure (pneumatic)	The range is being specified	Project has been registered
COOMET 905/UZ/24	Pilot comparison of national (working) standards for static gauge pressure (hydraulic)	The range is being specified	Project has been registered

COMPARISON



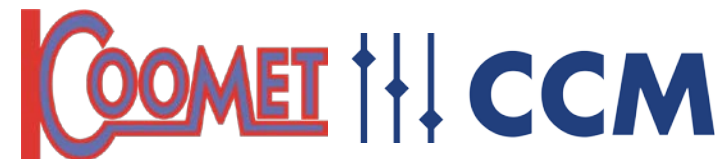
ID	Title	Range	Status
COOMET.M.H-S2	Bilateral comparison of national reference instruments for nanoindentation	0.1 GPa, 3 GPa, 12 GPa	DRAFT A in progress
COOMET 789/KZ-a/19	Pilot comparison of density of liquids	from 600 up to 1000 kg/m ³	DRAFT A in progress
COOMET 788/KZ-a/19	Pilot comparison of unit of kinematic viscosity of liquid at the temperatures: 20 °C, 25 °C, 40 °C	250 – 400 mm ² /s, 50 – 100 mm ² /s 20 – 70 mm ² /s	DRAFT A in progress
COOMET 822/GE-a/20	Pilot comparison of small volumes	10 µL, 1000 µL	DRAFT A in progress

COMPARISON



ID	Title	Range	Status
COOMET.M.FF-S6	Comparisons of complex of static volume measuring devices	5 L, 10 L, 20 L	DRAFT A in progress
COOMET.M.FF-S11	Supplementary comparisons of national standards in the field of gas flow and volume at gas flow rate	from 0.4 up to 100 m ³ /h	Measurements in progress
COOMET 900/RU/24	Supplementary comparisons of national standards in the field of water flow	250 – 400 mm ² /s, 50 – 100 mm ² /s 20 – 70 mm ² /s	The technical protocol is being prepared

COMPARISON



ID	Title	Range	Status
COOMET 910/RU/24	Pilot comparisons of national standards in the field of liquid flow and mass in the flow range	from 0.1 up to 40 t/h	DRAFT A in progress
COOMET.M.M-S8 932/TR/25	Comparison of mass standards / Supplementary comparisons in the field of mass measurements in the range 100 mg to 10 kg	100 mg, 10 g, 100 g, 1 kg, 10 kg	Planned

YOUTH ENGAGEMENT

International Scientific and Practical Conference of Young Scientists and Specialists "WE ARE THE FUTURE "

2022

Saint-Petersburg

more than **120** participants, more than **50** reports

2023

Ekaterinburg

more than **150** participants, more than **90** reports

X International Competition "The Best Young Metrologist of COOMET"

2024

Saint-Petersburg

7 Countries, more than **350** participants, more than **160** reports

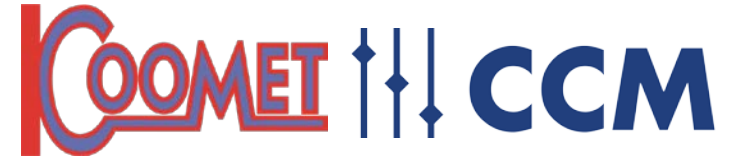
pilot International Competition "The best young metrologist of the CIS MGS*"

*CIS MGS is Commonwealth of Independent States

2026

Saint-Petersburg

International Competition "The best young metrologist of the CIS"



Thank you for your attention

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