

**Activity Report of COOMET TC 1.6
14th CCM, 2013**

1. Workshop and meetings

The last COOMET TC 1.6 meeting was held on 26-27 September, 2012 with 29 participants. The meeting was focused on NMIs activity report, CMC review panel, roadmaps and current and planned comparisons.

Two workshops concerning Mass metrology supported by PTB were held in 2011 and 2012.

2. COOMET Key and Supplementary Comparison

Currently there are 50 projects overall with 10 completed and 12 cancelled. There are 3 new projects: one is a key mass comparison and two are supplementary comparisons in force and torque. The majority of the current projects are in mass and hardness.

Table 1 Comparisons that are underway and planned comparisons

Area	Designation	Status	Participants	Pilot
Mass	COOMET.M.M-K5 <i>258/RU/02</i>	Started in 2005 Report in progress, Draft B	BelGIM KazInMetr NSC IM	VNIIM
	COOMET.M.M-K8 Linked to CCM.M-K1 and CCM.M.-K5 Comparison is supported by PTB <i>546/UA/11</i>	The Technical Protocol in progress	PTB VNIIM KazInMetr BelGIM VNIIM VMC GeoSTM INIMET	NCS IM
	Pilot study of COOMET.M.M-K8 <i>528/KZ/11</i>	Measurements in progress	5 th NMIs from AZ, KZ, UZ, MD, GE	KazInMetr
Force	COOMET.M.F-S1 <i>259/RU/02</i>	Report in progress, Draft B	BelGIM UkrCSM	VNIIM
	COOMET.M.F-S2 <i>515/UA/11</i>	Report in progress, Draft A	UkrCSM	PTB
	COOMET.M.T-S1 <i>512/RU/10</i>	The Technical protocol in progress	UNIIM	PTB
Hardness	COOMET.M.H-K1.c COOMET.M.H-K1.b Vickers Hardness <i>303/DE/04</i>	Report in progress, Draft B	VNIIFTRI	PTB

Table 1 (Continued)

Area	Designation	Status	Participants	Pilot
Hardness	COOMET.M.H-K1 Vickers Hardness <i>341/Ru/05</i>	Report in progress, Draft B	PTB KazInMetr BelGIM NCS IM	VNIIFTRI
	COOMET.M.H-K2 Brinell Hardness <i>341/Ru/05</i>	Report in progress, Draft A	KazInMetr BelGIM NCS IM	VNIIFTRI
	Rocwell and Super-Rocwell Hardness <i>341/Ru/05</i>	Planned	Details yet to be defined	
Pressure	COOMET.M.P-14 <i>444/DE/08</i>	Completed. Result is published in Metrology, 2012	VNIIM CMI VMT/VMC	PTB
	In the range from 1 MPa to 1 MPa <i>589/UA/12</i>	Planned	Details yet to be defined	

Also some comparisons in the fields of density and viscosity are planned as a pilot study.

3. CMC

COOMET has 8 CIPM MRA signatures: 2 are Member States and 6 are associated. Three countries have not signed yet. There are CMC in hardness (18) and mass (18) submitted by Belarus, Ukraine and Kazakhstan that are at the intra-RMO review stage. Pressure CMC submitted by Belarus is at the inter-RMO review stage.

Irena Kolozinska

Chairperson

COOMET TC 1.6 “Mass and related quantities”