Key and supplementary comparison registration and progress form

Comparison conducted by COOMET **in** EM **Date:** 02/08/2017

1. Subfield: Capacitance

2. KCDB identifier: **COOMET.EM-S18**
(to be attributed by the BIPM)

RMO internal identifier
COOMET 604/RU/13

3.Type of comparison:

Key ☐ Supplementary ☒ Pilot study ☐

4. Short description:

Supplementary comparisons of reference measuring systems of electric capacitance and loss factor (tan δ) on

5. Measurand and nominal value(s):

Supplementary comparisons of reference measuring systems of electric capacitance and (loss) dissipation factor (tan δ) on AC high voltage of power frequency in the

Special characters for copying (if required)
α β Γ γ Δ δ ε ζ η θ ι κ λ μ

6. Parameter(s):

Capacity: 2 pF, 10 pF, 27 pF, 30 pF, 50 pF, 314 pF, 1000 pF and tan delta at frequency 50 Hz

7. Transfer device(s):

Measuring reference systems.

8. Pilot laboratory(ies) *(acronyms and countries)*:

VNIIMS - The Russian Research Institute for Metrological Service (Russian Federation)
RU

9. Participating institutes *(acronyms and countries)*:

VNIIMS - The Russian Research Institute for Metrological Service (Russian Federation), CMI - Czeck metrology institute (Czeck Republic), GEOSTM (Georgia), UKRMETRTESTSTANDARD (Ukraine)

10. Progress: *(please note date and tick appropriate box to indicate current status)*

Date	Status	Pilot	Supplementary		Key
18/04/2013	Planned	☐	☐		☐
10/06/2013	Protocol complete	☐	☐		☐
2013-2016	In progress	☐	☐		☐
25/12/2016	Measurement completed	☐	☐		☐
01/08/2017	Report in progress	☐	☒	Draft A	☐
				Draft B	☐
	Report submitted to	☐	☐		☐
	Results approved	☐	☐		
	Approved for equivalence				☐
	Abandoned	☐	☐		☐

Comments:

Protocols, Draft B, are agreed by CMI (Czech Republic) and GEOSTM (Georgia). Protocols are being discussed and agreed with UKRMETRTESTSTANDARD

Publication reference:

11. Measurement start date: **07/2013**

12. (Expected) measurement completion date: **12/2016**

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Completed copy to be forwarded to a) CCXX Executive Secretary;
b) relevant CC Key Comparison WG Chairman;
c) Regional coordinator as appropriate;
d) KCDB Coordinator (BIPM.KCDB@bipm.org)