

ANNUAL REPORT

of Chairperson of TC 1.9 “Ionising radiation and radioactivity”

GENERAL INFORMATION ABOUT COOPERATION IN SUBJECT FIELD

The main activity has been made in the dosimetry field with PTB efforts in general. IEAE has involved in the TC activity.

TC 1.9 MEETING

No TC Meeting in 2013. 12 Meeting is scheduled on April, 28-29^d 2014, "Uzstandard" Agency, Uzbekistan, Tashkent.

THE CMC REVIEW

In the framework of the inter-regional reviewing - were reviewed:

AFRIMETS.RI.3.2014 (NIS, Egypt), EURAMET.RI.18.2014 (TAEK, Turke), EURAMET.RI.16.2013 (IFIN, Romania).

In the inter-regional reviewing the CMCs of NSC IM (Ukraine- radioactivity measurements (16 entries) COOMET.RI.10.2013

THE PROJECT FULFILLMENT

445/DE/08 “Comparison of the national standards of air kerma for Cs-137 at protection level” (L.Buermann, PTB)

Participants: PTB (Germany), BelGIM (Belarus), CPHR (Cuba), GEOSTM (Georgia), NISM (Moldova), NSC IM (Ukraine), SMU (Slovakia), VNIIM (Russia), BIM (Bulgaria), VMT/FTMC (Lithuania). The 11th Meeting decided IAEA participation.

The comparison is completed. The Draft B will be presented in 12 TC Meeting. The workshop for participants was made in September 2013. The Draft A was prepared during the workshop.

410/UA/07 COOMET Regional comparisons of National standards of Co-60 gamma-radiation absorbed dose to water (Coordinator – NSC IM, Ukraine)

Suggested participants – VNIIFTRI, CPHR, BelGIM, NSC IM, PTB
VNIIFTRI should present TC in 12 TC Meeting.

446/DE/08, 447/DE/08 “Comparison of the national standards of air kerma for low- and medium energy x-rays” (L.Buermann, PTB)

The main problem is that qualities of the X-ray radiation are different in the laboratories and relations to the CCRI qualities. The problem should be discussed in the 12 TC Meeting.

635/DE/14 “Comparison of the national standards of air kerma for x-radiation qualities used in radiation protection, general diagnostic radiology, computed tomography and mammography” (L. Buermann, PTB)

Participants: PTB (Germany), CPHR (Cuba)

The goal of the comparison is the support of the CPHR CMC entrances for air kerma, air kerma-length product and air kerma-area product at selected x-radiation qualities as used in radiation protection, general diagnostic radiology, computed tomography and mammography.

600/RU/13 “Development of calibration procedure of HPGe spectrometers for efficiency vs. gamma – radiation energy” (V.Yarina, VNIIFTRI)

Preliminary results will be discussed in 12TC Meeting.

Also bilateral comparison VNIIM-IEAE COOMET.RI(I)-S2 Supporting comparison of air kerma measurements for medium energy x-ray beam qualities at the IAEA SSDL was made in 2013

PARTICIPATION IN CCRI ACTIVITYУЧАСТИЕ В РАБОТЕ CCRI

In the CCRI Meeting (May 2013) from COOMET participated TC Secretary S.Korostin and TC Chairman representative O.Kovalenko. The report about the TC activity was presented. TC participated in the CCRI Strategy discussion.

TC HEAD

Chairman – V.Yarina (VNIIFTRI)

Secretary – S.Korostin (VNIIFTRI)

Coordinator sub-field” Radioactivity” – I.Kharitonov (VNIIM)

Coordinator sub-field” Dosimetry” – L.Bueermann (PTB)

Coordinator sub-field” Neutron Measurements” – N.Moiseev (VNIIM)

Prof. Vladimir Yarina

TC 1.9 Chairperson

Dr. Sergey Korostin

TC 1.9 Secretary

Appendix 1

IR CMC REVIEWING WORKING GROUP

Field	Expert	NMI or DI
Radioactivity	Kharitonov Igor	VNIIM (Russia)
Radioactivity	Pilar Oropesa Verdecia	CENTIS (Cuba)
Radioactivity	Ivanukovich Alexander	BelGIM (Belarus)
Radioactivity	Evseev Vladimir	NSC IM (Ukraine)
Dosimetry	Soroka Sergey	BelGIM (Belarus)
Dosimetry	Oborin Alexander	VNIIM (Russia)
Dosimetry	Gonzalo Walwyn Salas	CHPR (Kyba)
Neutron Measurements	Moiseev Nikolay	VNIIM (Russia))
Neutron Measurements	Maslyaev Petr	VNIIFTRI (Russia)