

## **Presentation for the recognition of CRMs, developed within COOMET, as COOMET CRMs**

In 2011 within COOMET TC 1.12 “Certified Reference Materials” the development of CRM for composition of soil and 2 sets of CRMs for composition of copper and copper oxide was finalized under 3 projects of cooperation (503/RU/10; 474/RU/09 and 502/RU/10).

The information on certified reference materials, submitted for the recognition as COOMET CRMs is provided in the List of certified reference materials, agreed for the recognition as COOMET CRMs (Annex COOMET-22/14 (2)).

The organizations of COOMET member-countries from Belarus, Germany, Kazakhstan, Kyrgyzstan, Moldova, Ukraine and Russia took part in CRM development.

The CRMs are approved in Russia as State CRMs.

The documentation for the developed CRMs (report on the development, the copies of Certificate, CRM type descriptions, passports and instructions for use/if any) was considered by the Contact Persons of COOMET member-countries in TC 1.12 “CRMs” and agreed upon at the 16th meeting of TC 1.12 “CRMs” and by correspondence. As a result of consideration favorable conclusions were received on the possibility to recognize the submitted CRMs as COOMET CRMs (the details of the agreement are provided in the attached List).

The developed CRMs allow the control over the reliability of element analysis of environmental objects during the monitoring of the environment and various ecological studies.

The relevance of the development of certified reference materials of copper and copper oxide is due to the increased requirements for the quality of copper, the necessity of implementation of interstate standards and the lack at the market of certified reference materials of copper with low impurity content for quality control of real products, released by the companies and research products, manufactured using modern nanotechnologies.

In connection with the above and in compliance with COOMET Recommendation R/RM/4:2008, the information on the development of CRMs, included in the List, was submitted for consideration to the 10th JCMS meeting.

At the 10th JCMS meeting the possibility of the inclusion in the Register of COOMET CRMs of certified reference materials, published in Annex C of CIPM MRA in compliance with the procedure, specified in COOMET Recommendation R/RM/4: 2008 was considered.

As a result of discussion CRMs, included in the List of certified reference materials, agreed for the recognition as COOMET CRMs, were recommended for submission to the 22nd meeting of COOMET Committee for the purpose of recognizing them as COOMET CRMs. The information on the recognition of certified reference materials, published in Annex C of CIPM MRA, as COOMET CRMs, was agreed for submission to the 22nd meeting of COOMET Committee.

## **Information on the Register of COOMET CRMs**

In 2011 the data on 7 types of the national CRMs of Russia, recognized as COOMET CRMs at the 21st meeting of COOMET Committee (April 2011), were entered in the Register of COOMET CRMs. As of 1 April 2012 104 COOMET CRM types are registered in the Register of COOMET CRMs.

The Register of COOMET CRMs as of 1 January 2012 is hosted in COOMET web-portal (the page of TC 1.12).

In 2011 the works on the updating the Register of COOMET CRMs were carried out. As a result of these works the amendments concerning the extending the validity of Certificates are introduced in the Register of COOMET CRMs; the list of CRMs to be deleted

from the Register of COOMET CRMs at the 22nd meeting of COOMET Committee is prepared Annex (COOMET-22/14 (3)).

Pursuant to the decisions, taken at this meeting of COOMET Committee, the data on two COOMET CRM sets and 1 CRM type are to be entered in the Register.

The data on 7 new COOMET CRM types and the amendments from the updating the Register of COOMET CRMs were introduced in the Data Bank "COOMET CRMs" (maintained by UNIIM) in 2011.

The works to establish COOMET BD on COOMET portal (project 543/AM/11) have been started; the initial information on the amount of data to be included in the Register of COOMET CRMs has been entered. It is planned to increase the amount of information by entering the values of COOMET CRM certified characteristics.

Information on the progress of the Register of COOMET CRMs and the List of CRMs to be deleted from the Register of COOMET CRMs at the 22<sup>nd</sup> meeting of COOMET Committee (Annex COOMET-22/14 (3)) were submitted for consideration at the 10<sup>th</sup> JCMS meeting. As a result of discussion the information on the progress of the Register of COOMET CRMs and the proposals on CRMs to be deleted from the Register of COOMET CRMs were recommended for submission to the 22nd meeting of COOMET Committee for decision-making.

Draft resolutions:

*Item 14*

- *to recognize the CRMs, recommended by TC 1.12 "CRMs" for the recognition, as COOMET CRMs Annex (COOMET-22/14 (2)), taking into consideration the countries, which have joined their recognition;*
- *to request the Contact Persons of COOMET member-countries in TC 1.12 "CRMs", which have not submitted their conclusions, to consider the Annex (COOMET-22/14 (2)) and to send the information on the possibility to recognize COOMET CRMs to the Secretariat of TC 1.12 (UNIIM) by 30 May 2012;*
- *to request the Secretariat of TC 1.12 "CRMs" (UNIIM) to register the CRMs, included in the Annex (COOMET-22/14 (2)), taking into account additionally joining countries, in the Register of COOMET CRMs in compliance with the requirements of COOMET Recommendation R/RM/4: 2008;*
- *to take note of the information, provided by Acting Chairman of TC 1.12 S.Medvedevskikh on the procedure of the recognition of certified reference materials, published in Annex C of CIPM MRA, as COOMET CRMs (COOMET Recommendation R/RM/4: 2008) and to recommend COOMET CRM producers to promote COOMET cooperation on the development of COOMET CRMs in the relevant fields of measurement and on the transfer of CRMs, included in Annex C of CIPM MRA to COOMET CRMs;*
- *to take note of the information, presented by the representative of TC 1.12 "CRMs" concerning the progress of the Register of COOMET CRMs and the works, planned for its updating;*
- *to delete from the Register of COOMET CRMs certified reference materials, included in the List of CRMs to be deleted from the Register of COOMET CRMs (Annex COOMET-22/14 (3)) on the proposals of author-countries;*
- *to request the Secretariat of TC 1.12 "CRMs" (UNIIM) to enter in the Register of COOMET CRMs the information on the deletion of 2 CRM types from the Register of COOMET CRMs as specified under resolution, in compliance with the rules of COOMET Recommendation R/RM/4: 2008.*
- *to request on-line editor of COOMET web-portal to introduce changes on the relevant page of the web-portal after the Register of COOMET CRMs is completed and updated.*