

ANNUAL REPORT

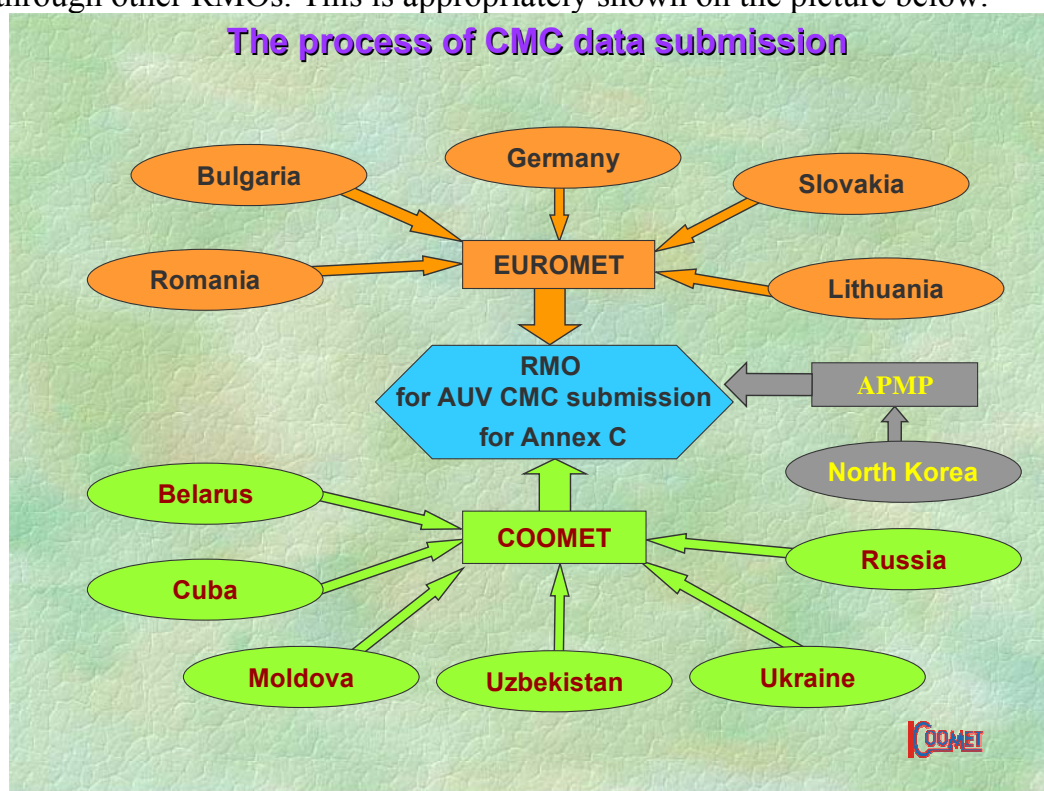
of Chairperson of COOMET TC AUV

on activities from September 2004 to August 2006

1. General information about cooperation in subject field

During the past period, the membership of TC has been unchanged. Now as before 12 national COOMET member-countries have their representatives in TC 1.2 "Acoustics, ultrasound, vibration".

This is well known that a number of COOMET member-countries submit their CMC through other RMOs. This is appropriately shown on the picture below.



Picture 1

During the past time good relations were established with NMI of Romania - INM, which participated in COOMET key comparison in acoustics in air COOMET.AUV.A-K3. Corresponding measurements are already finished.

2. TC meetings

According to resolution of 2nd meeting of TC, the 3rd meeting was held early in September, 2004 in DP "NDI "System" and it was followed by an international workshop "Current issues of metrological assurance of acoustic measurements" which was addressed to experts from metrological organizations, sanitation and epidemiology agencies, diagnostic laboratories and a number of institutes under Academy of Science of the Ukraine. All of the meeting participants spoke at this workshop.

Since nearly all collaboration aspects have been put for discussion during the meeting, the members of TC 1.2 unanimously determined to arrange the next one earliest in 2006.

The 4th meeting was held on 29-30 August 2006 in Minsk, Belarus.

3. IMPLEMENTATION OF COOMET PROJECTS IN AUV FIELD

Information about progress with COOMET projects in the field of AUV is given in a table below:

Project number	Name	KCDB code	Coordinator	Progress
234/BY-a/01	Establishment of a working group for COOMET participation in the review of CMC data in the field of "AUV"		V. Pozdeeva, BelGIM, Belarus	Within this project a WG of COOMET NMI experts is active since January 2002.
226/DE-a/01	Comparison of calibrations of working standard microphones (63 Hz - 10 kHz)	COOMET. AUV.A-K1	Dr. T.Fedtke, PTB, Germany	Final version of Draft A comparison report prepared. Participants: Ukraine, Russia, Germany, Poland, Turkey
316/UA/04	Bilateral comparison by means of calibration of type LS1P microphones	COOMET. AUV.A-K1.1	Dr. T.Fedtke, PTB, Germany	Draft A comparison report prepared. Participants: Ukraine, Germany
308/UA/04	Key comparison of the National Measurement Standards of the vibration parameters units (in regard to sinusoidal acceleration) in the frequency range from 20 Hz to 5000 Hz	COOMET. AUV.V-K1	Dr. V. Smirnov, VNIIM, Russia	Considering the draft of technical protocol. Participants: Russia, Belarus, Poland, Ukraine
323/UA/04	Comparison for primary pressure calibration method for working standard microphones in the frequency range from 20 Hz to 20 kHz	COOMET. AUV.A-K3	Dr. K. Rasmussen, DPLA, Denmark	Draft A comparison report prepared. Participants: Denmark, Ukraine, Russia, Poland, Romania
369/BY/06	Bilateral comparison of National Measurement Standards of the sound pressure unit		V. Pozdeeva, BelGIM, Belarus	Preparing a comparison.

According to resolution of the 4th TC meeting the possibility should be considered to include in COOMET Comparison Program the project in the field of air acoustics as: "Comparison of the National Measurement Standards of the air sound pressure unit in the low frequency range from 2 Hz to 125 Hz" and project in the field of hydroacoustics as: "Comparison for hydrophone calibration in the frequency range from 2 Hz to 4 kHz.

4. PARTICIPATION IN IMPLEMENTATION OF AGREEMENT ON MUTUAL RECOGNITION OF NATIONAL STANDARDS

4.1 Progress with the preparation of AUV CMC of COOMET NMIs

BIPM KCDB contains published AUV CMC of Russia – COOMET.AUV.1.2001, AUV CMC of Belarus - COOMET.AUV.2.2003 and Ukraine - COOMET.AUV.3.2005.

CMC of Belarus and Ukraine in the field of vibration measurements passed interregional review.

The COOMET project regarding vibration key comparison is registered in BIPM KCDB as COOMET.AUV.V-K1 and will facilitate fulfillment of one of the most important requirements for publication of respective CMCs in Appendix C.

As reported by the COOMET correspondent from Moldova preparation of AUV CMC data is suspended due to required improvement of standards.

In the past period the NMIs of Uzbekistan and Cuba, which participate in TC 1.2 and present their CMCs through COOMET, did not submit their information as to preparing CMC data.

4.2 COOMET participation in interregional review of CMC

During the reporting period TC reviewed EUROMET CMC (file EUROMET.AUV.5.2004), SADC MET CMC (file SADC MET.AUV.1.2005) and APMP CMC (file APMP.AUV.2.2006).

Presently CMC data APMP.AUV.3.2006 are under consideration.

5. Cooperation with international and regional organizations in AUV

As already stated, COOMET TC AUV actively collaborates with corresponding EUROMET TC, which representatives participated in two meetings of our TC and in the international workshop organized and held by COOMET TC and participate in COOMET acoustics and vibration key comparisons. The COOMET correspondent from Russia took part in the meeting of EUROMET SC "Ultrasound", which was held this year in Turin, Italia.

Members of COOMET TC AUV attend meetings of CIPM CC AUV and RMO WG AUV.

Finally, I wish to extend my thanks to DPLA, Denmark for technical support in carrying out comparison COOMET.AUV.A-K3 and personally to Dr. K. Rasmussen, Coordinator of comparison and Dr. E. Frederiksen for support in organizing the comparison.

Valentina Pozdeeva,
Chairperson, COOMET TC AUV