

EURADOS Working Group 2

Harmonization of Individual Monitoring in Europe

Motivation

The motivation of WG02 is to foster Harmonization of Individual Monitoring in Europe. In order to achieve this goal, three main tasks were identified: the organization of regular self-sustained intercomparison (IC) exercises, the improvement of quality and reliability in measurements, dose reporting and record keeping, as well as the dissemination of the generated activity.

The organization of regular IC exercises provide to the individual monitoring services a method to show compliance with the ISO/IEC 17025 requirements, as accreditation in conformity to this standard is becoming more and more important in Europe.

Under the improvement of quality and reliability, several activities have been identified, including the need to ensure continuing and future personnel skills through training, and the sharing of best practice through developing best-practice guides, holding workshops and networking.

Best practice and recommendations are further shared by dissemination activities though, in addition to training courses, publications and presentations at various scientific meetings and/ or in journals.

EURADOS WG02 has been active since 1997 and has regularly published the results of its activity in the open literature (e.g. *Radiation Protection Dosimetry*, *Radiation Measurements*) and through EURADOS Reports.

Aims

- **Harmonization of Individual Monitoring in Europe.**
 - Improving IM measurements, QA/QC, dose reporting and recording.
 - Organizing regular and self-sustained **intercomparison exercises**.
 - Maintaining the WG02 **network of IMS contacts**.
 - **Implementation of RP 160 – EC Technical Recommendations** for monitoring individuals occupationally exposed to external radiation, e.g. organizing self-sustained actions such as a Training Courses, Learning Network events and workshops;
 - **Disseminating knowledge** on external dosimetry (presentations, publications, training, etc);
 - **Developing guidance**, e.g. on interpretation of ISO 17025, recommendations for record keeping and data protection
 - **Collaborating with other WGs** and networks as partners in the future projects.

Actions

Completed (since 2008)

- > Publication of RP 160, The EC Technical Recommendations (EU-Trimer project) – 2009
- > The list of WG02 contact persons and IMS in Europe was updated.
- > A EURADOS QA survey 2012 was prepared, distributed to all IMS in the WG02 list of contacts, and results were collected and analysed. Report published.
- > WG02 work was disseminated at various meetings including the Individual Monitoring Conference 2015, Brugge.
- > A “Learning Network” event took place at the EURADOS AM2017.

Intercomparisons

IC2008ph	Whole body / photon fields	Completed, report published
IC2009ext	Extremity / photon and beta fields	Completed, report published
IC2010ph	Whole body / photon fields	Completed, report published
IC2012ph	Whole body / photon fields	Completed, report published
IC2012n	Whole body / neutron fields	Completed, report published
IC2014ph	Whole body / photon fields	Completed, report in draft
IC2015ext	Whole body / photon fields	Completed, report in preparation
IC2016ph	Whole body / photon fields	Completed, report in preparation

Participants’ meetings for the intercomparisons took place at relevant international conferences or at the appropriate EURADOS annual meeting.

Training courses on the implementation of “RP160”

Courses were successfully delivered as follows.

- > Krakow 2012
- > Zagreb 2013
- > Lisbon 2015
- > Florence 2017.

In all cases, feedback was positive. Content has evolved to incorporate new developments.

In Progress

- Intercomparison programme continues with IC2017n (neutron)
- Developing online forum for IMSs.

Planned

- Further Learning Network event at EURADOS AM2018.
- Further IC for whole-body photon dosimeters, 2018.
- Develop guidance document for interpretation of ISO 17025 for IMSs
- Develop best-practice guide for IMSs on maintenance of dose records, and data protection.

Task groups for the latter two tasks are being established.

Members

Chairperson

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Secretary

(vacant)

Full members

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Phil Gilvin	Public Health England	UK
Tom Grimbergen	NRG	NETHERLANDS
Michael Hajek	International Atomic Energy Agency	AUSTRIA
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Branko Vekic	Ruder Boškovic; Institute	CROATIA

Additional members in ICn organising group

- > Filip Vanhavere SCK (Belgium)
- > Rick Tanner PHE (UK)

Corresponding Members

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Additional information

WG02_AM2017_Progress Report