



STEERING GROUP MEETING
June 14^h, 2017 – CEPN, Fontenay-aux-Roses, France

Meeting Minutes
(CRR/EAN/SG/43)

Final version
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June 2017

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Distribution:

Members of the EAN Steering Group, IAEA and observers, RECAN, ARAN, ALARA NORM Network, EFNDT, EFOMP, EUTERP and EFRS contact persons.

The documents distributed during the meeting are available in the private area of the EAN website (see list in Annex A).

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1. DISCUSSION ON FINANCIAL ASPECTS

Information on the final accounts of 2016 and the budget for 2017 are to be found in the minutes of the Administrative Board meeting (CRR/EAN/AB/26).

2. APPLICATION OF THE RADIOLOGICAL PROTECTION SYSTEM FOR COSMIC RADIATION IN AVIATION – ICRP PUBLICATION 132

Mr. S. Andresz (CEPN) presented the elements of ICRP Publication 132 on the application of the radiological protection system for cosmic radiation in aviation [[Annex A, 2](#)]. S. Andresz was the Scientific Secretary of ICRP Task Group 83 that issued this publication in 2016.

The radiological context in aviation is considered as quite exotic and complex, with different exposure levels and situations among occasional flyers, frequent-flyers for personal or professional reasons and aircraft crew. Furthermore, there is little room to manoeuvre when it comes to implementing radiation protection actions. The driving principle of the ICRP is to recommend a graded approach commensurate with the context, the circumstances and the people exposed.

It has to be noted that ICRP TG 83 used the results of an EAN survey regarding the exposure of aircraft crew in Europe to shape its recommendations and notably the selection of a reference level.

3. INTERACTION OF EAN WITH INTERNATIONAL ORGANISATIONS

3.1. Participation of EAN in SFRP/IRPA workshop on “*reasonableness*” in ALARA

The French Society for Radiation Protection (SFRP) and International Radiation Protection Association (IRPA) organised a workshop on “*reasonableness*” in the application of the ALARA principle (Paris, February 2017). On behalf of EAN, F. Vermeersch has been invited to present elements about the experience of the EAN in the practical implementation of ALARA for different exposure situations. F. Vermeersch showed to the Members the slides he presented during the SFRP/IRPA workshop [[Annex A, 3](#)].

Following this workshop, the organisers identified several issues to be investigated and notably invited the networks to “*examine the various criteria used for the practical implementation of ALARA*” for a next workshop. The opinion of the Members is that the request is interesting but

currently too vague to initiate an EAN survey. Ideally, a precise focus must be defined beforehand (e.g. radiography installations), but this carries the associated risk that the reported criteria may then be then too specific to the situation. In addition, the Members agreed that the application of ALARA couldn't be simply reduced to the consideration of criteria.

Action: All Members are asked to think about whether the network:

- launch an analysis of previous EAN surveys to identify criteria used in ALARA (e.g. in the selection of diagnostic reference level, etc.)
- update one survey;
- draft a specific survey (that should be in relation with EAN workshop 18).

The decision will be taken at the next EAN meeting.

3.2. Participation of EAN in ICRP activities

EAN is involved as an observer in ICRP TG 106 on the application of the radiological protection system to activities involving mobile high-activity sources.

Action: F. Vermeersch The draft of the TG will be distributed for comments to the Members.

The next ICRP symposium will be held in October 2017 near Paris. F. Vermeersch has been invited to participate in the ICRP meeting with Special Liaison Organizations. Other EAN Members will also take part in the ICRP symposium and the Radiation Protection Week that will be held in conjunction.

4. EAN ACTIVITIES

4.1. EAN logo

A logo for the EAN has been drafted and already used during the last EAN workshop. The logo will be put in the next EAN Newsletters and the new EAN website (currently under construction).

The logo will also be distributed to organizations with links to EAN so they can update the logo on their website (e.g. ICRP, EUTERP, etc.) (N.B. logo is available in [Annex A, 4]).

4.2. Feedback from EAN Workshop 17

S. Andresz presented to the Members the feedback of EAN workshop 17 on the application of the ALARA principle in emergency exposure situations [Annex A, 5] that took place at *Instituto Superior Technico* near Lisbon, Portugal from 15-17 May 2017.

57 people from 17 countries and various professional backgrounds participated. A formal feedback is undergoing using the SurveyMonkey website and the current results show a 8.44/10 ranking (response rate = 16%) and very positive views, notably on the working groups concepts. The final financial result of the workshop is not available at this date.

These results support the importance of workshops in the EAN activities. Further joint workshops are likely to be organised as they appear to be successful in widening participation.

Action: P. Croûail to draft the initial version of the conclusions and recommendations and distribute it for comments (1) to the Bureau, the chairs of the Working Groups and NERIS representatives, and then (2) to the EAN Members.

The conclusion and recommendations will be published in the next EAN Newsletter (October 2017) and, if possible, in radiation protection journals (e.g. as an "Information item" in the Journal of Radiological Protection).

4.3. EAN Workshop 18

The topic of the next EAN workshop will be "Site Clean-Up and Decommissioning" (preliminary title). This workshop will be jointly organised with ISOE network (<http://www.isoe-network.net>) that

can gather the views of electricity generating companies. C. Schieber, Head of the ISOE European Technical Centre, was invited to present the activities of ISOE to the Members during the meeting.

The workshop will be held in the first quarter of 2019 at Marcoule premises, France (**Action: P. Livolsi**) or at Bruges, Belgium (**Action: F. Vermeersch**).

Exact dates are to be decided and should not overlap with public holidays and ELINDER events (new initiative to train experts on nuclear decommissioning) **Action: P. Livolsi and F. Vermeersch** to check.

The Programme Committee will be constituted by the EAN Bureau, P. Livolsi, N. Stritt and some ISOE members of the Working Group on Decommissioning (WGDECOM), namely L. Vaillant (CEPN) and possibly Spanish representatives from CSN.

Action: P. Croûail to draft a very first version of the Aims and Objectives of the workshop to be distributed to the Programme Committee.

4.4. EAN Newsletter

A new distribution method using a mailing server has been used for the EAN Newsletter 39 of March 2017. The new format allows adding pictures, logo/icon, button to click on etc. in the email. The EAN Newsletter was opened almost 1,000 times. Spain, United-Kingdom, France and Belgium are the top locations by opening. The Newsletter reaches China, Canada or Argentina etc. thanks to former participants of EAN workshops [[Annex A, 5](#)]. This shows the worldwide distribution of the Newsletter.

Taking advantage of the new distribution method, the layout of the Newsletter has been modified to accept a new logo.

EAN Newsletter 40 will be specifically devoted on articles coming from EAN WS 17. The publication is planned for October 2017.

Still, EAN Members are invited to send articles for Newsletter 41 and future editions (see proposal in EAN/SG/43 minutes).

4.5. EAN Strategic Agenda

It is requested that all Members perform an evaluation of the EAN Strategic Agenda 2015-2020 (“mid-term evaluation”) to identify what was done already, what need to be done and how to do it. The results will be discussed during the next EAN meeting.

Action: All, using the evaluation layout provided by S. Andresz [[Annex A, 6](#)].

4.6. ERPAN

N. Stritt presented the European Radiation Protection Authority Network (ERPAN) recent activities. ERPAN representatives met on 13th of June 2017 for one day to exchange information and to ensure the continuation of an active network. The board (secretary, chairman, deputy) was renewed during this meeting and Simon Coenen from Belgium was nominated as the new Chairperson of the Network as the replacement of Stephen Fennel. 12 persons were present at this meeting with representatives of United Kingdom, Spain, Ireland, France, Belgium, Slovenia, Czech Republic, Luxembourg and Switzerland. Presentations and discussion about different topics were given such as:

- New incidents revision panel in Spain;
- NDT incident in Ireland;
- Overview of ERPAN Surveys (radioactive lamps, etc.)
- Implementation of the BSS in Switzerland and Belgium
- Joint inspections in the medical field;
- Ergonomic study in nuclear medicine;
- Use of the INES scale as a tool for communications;
- Installation of new proton therapy units in Spain.

During the year the network also communicated through email and performed different surveys and asked questions about several aspects of ALARA or radiation protection. The next meeting is planned in June 2018 in Paris at the ASN premises.

5. OTHER BUSINESSES

5.1. CONCERT

Mr. Pascal Croûail informed the Members that the CONCERT 2nd transnational call for projects has been published. The topics of interest are (1) understanding human health effects from ionising radiation and improving dosimetry and (2) radioecology, emergency and social sciences and humanities.

5.2. ALARA Book

F. Vermeersch informed the Members that he plans to invite the writers of the ALARA Book at SCK•CEN, Mol, Belgium, in September 2016 for 2 days of work so to finish the document. Elements coming from EAN workshops 16 and 17 will be included in the ALARA Book.

6. DATES OF NEXT MEETINGS

The next Administrative Board meeting is planned for the **6th December 2017**. The location will be at CEPN premises, at Fontenay-aux-Roses, France. J. Morgan kindly agreed to make a topical presentation regarding the evolution of radiation protection regulation in the United Kingdom following implementation of the revised Euratom Directive.

To be noted, the next next Administrative Board meeting is planned for **20th June 2018**.

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ANNEX A. LIST OF DOCUMENTS DISCUSSED DURING THE STEERING GROUP MEETING

1. Meeting agenda.
2. *Application of the Radiological Protection System for Cosmic Radiation in Aviation – ICRP Publication 132*, S. Andresz.
3. *Practical Implementation of ALARA*, F. Vermeersch.
4. EAN logo (png).
5. Elements of information presented to the EAN Members (EAN Workshop 17, EAN Newsletter etc.) S. Andresz
6. *Layout for the evaluation of the EAN Strategic Agenda 2015 – 2020*.