

OECD Nuclear Energy Agency
Committee on Radiation Protection and Public
Health

**Asian Regional Conference
On the
Evolution of the System of Radiological
Protection**

*NEA Workshop by the
Expert Group on the Evolution System of
Radiation Protection (EGRP)
Tokyo, Japan
24-25 October 2002*

Announcement

Asian Regional Conference On the Evolution of the System of Radiological Protection

*NEA Workshop by the
Expert Group on the Evolution System of
Radiation Protection
(EGRP)*

Workshop Objective

The Committee on Radiation Protection and Public Health (CRPPH) of the OECD Nuclear Energy Agency (NEA) has for some time been working to achieve consensus with regard to the directions that the ICRP should follow in the development of new recommendations. In this process, the Asian Members of the NEA have actively participated, and are supportive of this work. It has thus been agreed that a topical conference dealing with Asian views would be of great interest. To achieve this end, it has been agreed that the views of Asian countries on this subject should be discussed in a dedicated forum. The results of these discussions will be published as an NEA Proceedings, and will be provided directly to the ICRP for consideration.

Specifically, the goals of this workshop are as follows:

- To discuss how the current system of radiological protection is implemented in the Asian context, and to identify those areas where the current system could be usefully improved to better meet the needs of regulators and practitioners;
- To present the views of the CRPPH and its Expert Group on how the system of radiological protection could be usefully improved, and to gather views on how such proposals could be applied in the Asian context;
- To discuss, with the ICRP Chair, the Commission's current proposals, and to gather views on how such proposals could be applied in the Asian context, and
- To provide the ICRP with specific views on how any new ICRP recommendations for the radiological protection of the public, the environment and workers could best be developed to address regulatory and applicational needs in the Asian context.

Background

The most significant challenge currently facing the radiation protection community is how to better integrate radiation protection within modern concepts of and approaches to risk governance. In response to this issue, the International Commission on Radiological Protection (ICRP), has decided to develop new general recommendations to replace its 1990 Publication 60, upon which virtually all current national legislation is based. The process of developing these

new recommendations began in 1999 with the publication of an article by Professor Roger Clarke, ICRP Chair, on what was at that time referred to as “controllable dose”. Since then, the views of the ICRP have evolved significantly, largely due to stakeholder involvement that has been actively solicited by the ICRP, as well as internal discussions within the Main Commission and its four Committees.

The NEA’s Committee on Radiation Protection and Public Health (CRPPH) has been an active partner in this process since its beginning. The CRPPH is made up of regulators and radiation protection experts, with the broad mission to provide timely identification of new and emerging issues, to analyse their possible implications and to recommend or take action to address these issues to further enhance radiation protection regulation and implementation. The regulatory and operational consensus developed by the CRPPH on these emerging issues supports policy and regulation development in Member countries, and disseminates good practice. With this mission, the CRPPH is very interested in helping the ICRP recommended system of radiological protection evolve to better address national policy, regulatory and practical radiation protection needs.

Taking the view that the current system of radiological protection is well presented, operationally workable, and does not underestimate radiological risks to the public or workers, the CRPPH feels that radical change is not necessary or warranted. However, it is widely agreed that several key areas of the system need an alternative approach to better respond to the needs of regulators, practitioners and other stakeholders. To address this, the CRPPH launched, in 1999, an Expert Group to identify areas where the system of radiological protection could be improved. This effort resulted in the publication, in early 2000, of an NEA document, “A Critical Review of the System of Radiological Protection: First Reflections of the CRPPH” (NEA2000). This report identified several areas where improvements would be welcome. As follow-up, the CRPPH created a new Expert Group, in 2000 to suggest specific directions to improve what it would identify as the most important areas. At its March 2002 meeting, the CRPPH agreed that the final report of the Expert Group should be published as an NEA document summarising the Group’s views, and should be transmitted to the ICRP for consideration.

In parallel, the CRPPH arranged two broad dialogue meetings during 2001 such that the ICRP Chair could present the Commission’s ideas directly to an audience of experts invited from the various NEA Standing Technical Committees. Experts in radiation protection, radioactive waste management, nuclear regulation, nuclear safety and nuclear development participated in these discussions, providing valuable written and oral feedback to the ICRP.

Another important issue that has arisen during discussions is the radiological protection of the environment. The ICRP Main Commission has launched a Task Force to develop the draft text of a formal ICRP recommendation in this area. To assist in this, the NEA held, in collaboration with the ICRP, a forum to discuss this issue in early 2002. The objective of this forum was to identify the radiological and national policy objectives that should be addressed by such a recommendation, and to develop consensus on directions the ICRP should follow to appropriately address real problems. Because the protection of the environment is of great general interest to all countries, the specific aspect of the radiological protection of the environment is also a central issue in the development of new ICRP recommendations.

Throughout the process of updating the ICRP recommendations, the goal of the CRPPH has been to ensure that consensus on directions for improvement is reached among radiation protection experts from national regulatory authorities, and that this consensus is taken into account during the development of new approaches and international recommendations. With new ICRP Recommendations due to be published in the 2004 timeframe, this continues to be the main focus of the Committee's work for the coming years. Within this context, the Asian Regional Conference on the Evolution of the System of Radiological Protection is seen as an important input.

Timing and location

The Workshop will be held in **Hirakawachou, Tokyo, Japan, 24 - 25 October 2002.**

Participation

Participation in the Forum will be open to about 100 attendees (by invitation), including radiation protection professionals, regulators, industry, scientists.

Workshop organisation

This workshop will be supported by Japanese MEXT, and organised by the NEA Committee on Radiation Protection and Public Health (CRPPH).

Working Language

The working language of the Workshop will be English with translation into Japanese.

Proceedings

Proceedings will be published by the NEA in due course after the Workshop.

Local arrangements

The meeting will be held in a conference centre in Hirakawachou, Tokyo. It is envisaged that the meeting will start at 10:00 on the 24th of October 2002. The address of the building where the conference will be held is:

Zenkoku Toshi Kaikan
2-4-2 Hirakawachou, Chiyoda-ku, Tokyo,
TEL:+81(0)3 3262 5231
FAX:+81(0)3 3262-5535

How to travel to Hirakawachou

From Narita Airport:

Take the JR Narita Express at the airport, and get off at the "Tokyo" stop (All the train always stop in "Tokyo"). Change to the JR-Yamanote Line in the direction of "Shinbashi", "Shinagawa", and get off at "Yuurakuchou" stop (only taking one station). Then change to the Metro, taking the Yuurakuchou Line in the direction of "Ikebukuro", and get off at the "Koujimati" stop. On leaving the Metro from 1st exit, walk on the Prince Street about 5 blocks requiring 4 minutes to the conference site. The total trip from the Airport should take approximately 2 hours.

A detailed map of the conference site will be sent to all participants.

Accommodation:

Detailed information on accommodation will be sent to registered participants in due course by the NEA Secretariat. Participants are asked to make their own arrangements.

Conference fee:

There will be no conference fee.

Secretariat

The NEA will provide the Scientific Secretariat for the Forum. Please contact:

Dr. Ted Lazo
OECD Nuclear Energy Agency
Le Seine St. Germain
12, boulevard des Iles
92130 Issy-les-Moulineaux
FRANCE
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Thursday, 24 October 2002

Welcome and Forum opening

10:0 *Welcome address*

0 Kenkichi Hirose, MEXT

Junko Matsubara, Nuclear Safety Commission

10:2 *Welcome address and expectations of the*

0 *NEA*

Kazuo Shimomura, NEA Deputy Director

Session 1: *The system of radiation protection*

– The Activities of EGRP

Chairperson: Joe McHugh, EGRP Chair, UK Environment Agency

Chairperson: Shohei Kato, Japan Atomic Energy Research Institute

10:3 Paper 1: The achievements of EGRP's work

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Joe McHugh, EGRP Chair, UK Environment Agency

11:0 Paper 2: The new steps

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Ted Lazo, NEA secretariat

11:1 Paper 3: Road test 1 "Characterisation of Exposures for

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Regulatory Control"

Francis TURVEY, NEA/ CRPPH Consultant

11:3 Paper 4: Road test 2 "Authorised Release"

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Richard Osborne, NEA/CRPPH Consultant

12:0

Lunch

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Session 2: *Stakeholder involvement in radiological decision making processes*

Chairperson: Jacques Lochard, EGPSI Chair, CEPN, France

Chairperson: Sadayoshi Kobayashi, NEA/CRPPH Consultant

14:0 Paper 6: General aspects of stakeholder involvements in

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decision making processes

Jacques Lochard, EGPSI Chair, CEPN, France

14:1 Paper 7: Presentation of case study in Asian Region

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Sadayoshi Kobayashi, NEA/ CRPPH Consultant

14:3 Paper8:Presentation of case study in
5 European Region
John Paterson, NEA/CRPPH Consultant

15:0 Paper9:Presentation of case study in North
5 American Region
Tim Earle, NEA/ CRPPH Consultant

15:3 Paper 10: Experiences in the last amendment of
5 radiation
regulation laws in Japan
Takao Numakunai, Institute of Radiation
Measurements

16:0 Break
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16:3 **Panel Discussion:**
0 Topics 1: Stakeholder involvement in radiological decision
making
The members of panelist are the Chairpersons and Speakers from
this Session.

17:3 End of Day 1
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17:4 Reception
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Friday, 25 October 2002

Introduction

Chairperson: Shigenobu Nagataki, Radiation Council

09:20 Paper 11: The Direction of ICRP new recommendations
(provisional title)
Roger Clarke, ICRP Chair

Session 3: Implementation of Radiological Protection Recommendations - What Works Well, What Needs Improvement, What is expected of New recommendations

Chairperson: Roger Clarke, ICRP Chair

Chairperson: Tomoko Kusama, Oita University of Nursing and Health

10:20 Paper 12: Views from the Japanese
Regulatory Authority
Shin Aoyama, MEXT

10:45 Break

11:05 Paper 13: Views from the Japan Health Physics
Society
Sei-ichi Mizushita, Japan Atomic Energy Research Institute

11:30 Paper 14: Views from the Japanese utilities
Takuya Hattori, Tokyo Electric Power Co.

11:55 Paper 15: Views from the Korean
Regulatory Authority
Kun-Woo CHO, Korean Institute of Nuclear
Safety

12:20 LUNCH

14:00 Paper 16: Views from the Australian
Regulatory Authority
Stuart Prosser, ARPANSA

14:25 Paper 17: Views from the Chinese
Regulatory Authority

Pan Zi Qiang, Vice Chairman, Science and
Technology Commission

14:5 ***Panel Discussion:***

0 Chairperson: Richard Osborne, NEA/CRPPH Consultant
Chairperson: Hiroshi Noguchi, Japan Atomic Energy Research Institute
Topics 2: New recommendations of the ICRP: What is
expected in Asia?
The members of panelists are the Chairpersons and Speakers from
this Session.

15:5 Break
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Session 4: Where do we go from here?

Chairperson: Yasuhiro Yamaguchi, Japan Atomic Energy
Research Institute

16:1 Summary of Workshop
0 Hans Riotte, NEA Head, Radiation Protection
and Radioactive Waste Management Division

16:2 Asian Perspective
5 Kenkichi Hirose, MEXT

16:4 Views of Next Step -ICRP
0 Roger Clarke, ICRP Chair

16:5 Views of Next Step -NEA
5 Joe McHugh, EGRP Chair, UK Environment Agency

17:1 Closing Remarks
0 Kazuo Shimomura, NEA Deputy Director

Close of Meeting

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PARTICIPANT REGISTRATION FORM

to be sent as soon as possible, and in any case
before **10 October 2002**, to:

E-mail koba@tokai.jnc.go.jp or FAX 029-282-3314

Surname (Family Name):

Given Name(s):
(please indicate whether Prof., Dr., Mr., Mrs., Miss, Ms.)

Nationality:

Title or Function:

Institution, Organisation or Company (*full
address*):

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