



Korea Institute of Nuclear Safety (KINS)
Arab Network of Nuclear Regulators (ANNuR)
Asian Nuclear Safety Network (ANSN)
Forum of Nuclear Regulatory Bodies in Africa (FNRBA)
TC Project RAS/9/076 Strengthening of National Capabilities for
Response to Nuclear and Radiological Emergencies

Joint IAEA-KINS: Workshop on Safety Regulation of Radioisotopes and Emergency Preparedness

Hosted by the
Government of the Republic of Korea

through
Korea Institute of Nuclear Safety (KINS)

Daejeon, Korea
12 - 16 June 2017

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Prospectus

A. Introduction

Radiation safety is a crucial technical objective that must be achieved in the peaceful use of nuclear energy. Emergency preparedness is the ultimate measure against any potential radiation hazard during the operation of nuclear facilities.

In support of the countries embarking on a nuclear power programme, this international workshop is to share the practical knowledge and experience necessary to achieve the radiation safety of nuclear facilities and to prepare for any operational emergency that could result in any radiological hazard to the public and the environment.

The IAEA and KINS jointly implement this workshop as part of their annually planned activities in accordance with the cooperation mechanisms among the ANNuR, ANSN, FNRBA, IAEA and KINS. The mechanisms include the Practical Arrangement between KINS and the Department of Nuclear Safety and Security of the IAEA in 2008, including the ANSN activities under the Topical Group on Education and Training, the Memorandum of Understanding (MOU) between KINS and ANNuR in 2010, and the MOU between KINS and FNRBA in 2010.

For this workshop, the IAEA and the International Nuclear Safety School (INSS) of KINS will deliver training programmes, texts and teaching tools based on their technical expertise in the area of radiation safety and emergency preparedness and response (EPR) for nuclear or radiological emergencies.

B. Objectives

The purpose of the workshop is: i) to provide knowledge on radiation safety and emergency preparedness (EPR) focussing on IAEA safety standards & practical guidance on EPR; ii) sharing of practical knowledge & experience based on a case study of a member state regulatory practice; iii) address the revision of IAEA safety requirements on EPR and the IAEA guidance on considerations in EPR for a State embarking on a Nuclear Power Programme.

The workshop will also be a benchmarking opportunity towards global safety harmonization, providing a forum for the participants to discuss their national practices and to exchange their experience related to the subjects covered, as well as to identify good practices and areas that need improvement with regard to regulatory competence.

C. Target Audience

Participation in the workshop is subject to designation by governmental or national organizations.

Candidates should be professional staff members of nuclear safety regulatory bodies or technical support organizations from the member countries of the three (3) regional networks of ANNuR, ANSN and FNRBA or be a new participating Member States of TC Project RAS/9/076, and have a science or engineering degree, preferably related to radiation protection and/or emergency preparedness and response.

As the workshop will be conducted in English, participants should have sufficient proficiency to follow lectures and express themselves in that language without difficulty.

The total number of participants will be limited to forty (40) from the three (3) networks and countries recently participating in the TC Project RAS/9/076 from Asia and the Pacific Region. Candidates from embarking countries will be given priority in the selection of participants to this workshop.

D. Working Language

The working language of the workshop will be English.

E. Structure

Major activities of the workshop consists of lectures by the IAEA and KINS instructors, focusing on the contents related to radiation safety and EPR.

The lectures will focus on IAEA safety standards and practical guidance on EPR. In addition, Korea's regulatory practices will be introduced for the purpose of sharing practical knowledge and experience.

For the EPR area, the lectures will address the revision of IAEA Safety Requirements on EPR and the IAEA guidance on considerations in EPR for a State Embarking on a Nuclear Power Programme.

The contents include, among others, the following standards:

- IAEA Safety Standards Series No. SF-1, *Fundamental Safety Principles*;
- IAEA Safety Standards Series No. GSR Part 1, *Governmental, Legal and Regulatory Framework for Safety*, and supporting safety guides;
- IAEA Safety Standards Series No. GSR Part 3, *Radiation Protection and Safety of Radiation Source*, and supporting safety guides;
- IAEA Safety Standards Series No. GSR Part 7, *Preparedness and Response for a Nuclear or Radiological Emergency* (published 2015) and supporting safety guides

Examples of the topics to be addressed during the Workshop include the framework of radiation protection, the optimization principle (as low as reasonably achievable [**ALARA**]), EPR infrastructure, emergency consideration in site selection, practice to develop EPR framework, and role of the IAEA in EPR, radiological emergency preparedness of Korea and environmental radiation monitoring.

A technical visit to Korea's nuclear facilities, like a nuclear power plant or KINS training facilities, may be added to the programme for better achievement of the workshop objectives.

F. Application Procedure

Prospective participants from ANSN member countries should apply through the ANSN website (www.ansn.org). Participants from ANNuR and FNRBA member countries should apply through the Global Nuclear Safety and Security Network (GNSSN) website (<http://gnssn.iaea.org/sites/annur/>) or through the appropriate official channels with the IAEA. In case of technical problems with the online nomination system, nominations may be sent to the IAEA Project Management Officer, Mr. Kyu Sik Do, via email to: K.S.Do@iaea.org, copied to the IAEA's official email address (Official.Mail@iaea.org), or via fax to: +43 1 26007. The email should contain the following basic information about the candidate(s): name, age, gender, academic qualifications, present position (including exact nature of duties carried out), proficiency in English, and full working address (including telephone and fax numbers, and email address) to enable the IAEA to carry out a preliminary evaluation of the candidate(s).

If requested by their national authorities, the completed Nomination Forms should then be endorsed by these authorities and returned through the established official channels (e.g. Ministry of Foreign Affairs, National Atomic Energy Authority, or office of the United Nations Development Programme).

They must be received at the IAEA, Vienna International Centre, PO Box 100, 1400 Vienna, Austria, not later **than 28 April 2017**.

Nominations received after that date or applications which have not been routed through one of the aforementioned channels cannot be considered.

In case of technical problems with the online nomination system, nominations may also be sent to the IAEA Project Management Officer, Mr Kyu Sik Do, via email to: K.S.Do@iaea.org, copied to the IAEA's official email address (Official.Mail@iaea.org), or via fax: +43 1 26007.

The email should contain the following basic information about the candidate(s): name, age, gender, academic qualifications, present position (including exact nature of duties carried out), proficiency in English, and full working address (including telephone and fax numbers and email address) to enable the IAEA to carry out a preliminary evaluation of the candidate(s).

Nominations received after that date or applications which have not been routed through one of the aforementioned channels cannot be considered.

G. Arrangements

Nominating Governments will be informed in due course of the names of the selected candidates and will at that time be given full details of the procedures to be followed with regard to administrative and financial matters.

Copying and shipping accumulated workshop material to the participants' home countries is not the responsibility of the IAEA and the host organizer.

The organizers of the workshop do not accept liability for the payment of any cost or compensation that may arise from damage to or loss of personal property, or from illness, injury, disability or death of a participant while he/she is travelling to and from or attending the workshop and its related activities, and it is clearly understood that each Government, in nominating participants, undertakes responsibility for such coverage. Governments would be well advised to take out insurance against these risks.

H. Venue

The workshop will take place in the International Nuclear Safety School (INSS) of the Korea Institute of Nuclear Safety KINS), Daejeon, Republic of Korea.

I. Organizations

For ANNuR, ANSN and FNRBA

IAEA Project Management Officer and Technical Officer

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RCARO

Subsequent correspondence on scientific matters should be sent to the IAEA Project Management Officer and correspondence on other matters related to the workshop to the IAEA Project Assistant.

J. IAEA Website

Please visit the IAEA websites regularly for new information regarding this workshop:
<https://gnssn.iaea.org/main/pages/default.aspx> or the ANSN website (www.ansn.org)



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