



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)

IAEA-KINS Workshop on Safety Review and Assessment for Licensing Nuclear Power Plants

Hosted by the
Government of the Republic of Korea

through the
Korea Institute of Nuclear Safety

Daejeon, Korea
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Prospectus

A. Introduction

Safety review and assessment are to demonstrate that the safety measures necessary to control the hazard, and the design and engineered safety features fulfil the safety functions required. The primary purposes are to determine whether an adequate level of safety has been achieved for a facility or activities, and whether the safety objectives and criteria in accordance with the requirements for radiation protection have been fulfilled.

In support of the member countries embarking on nuclear power programme from The Arab Network of Nuclear Regulators (ANNuR), Asian Nuclear Safety Network (ANSN) and Forum of Nuclear Regulatory Bodies in Africa (FNRBA), this workshop is being designed and implemented in cooperation with the INSS (International Nuclear Safety School) of KINS to share their practical knowledge and experience of the safety review and assessment necessary to authorize nuclear power plants.

The cooperation mechanisms include the Practical Arrangement between KINS and the Department of Nuclear Safety and Security of the IAEA in 2008, the MOUs between KINS and the networks of ANNuR and FNRBA in 2010, and the agreements on the technical secretariat role of the IAEA for ANNuR and FNRBA in 2015.

B. Objectives

The workshop is intended to provide the participating member countries with practical knowledge and information on regulatory review and assessment for the authorization of NPPs, and will cover the key elements of the necessary function and process.

It is also aimed at 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 the safety assessments of nuclear facilities.

C. Target Audience

Participants in the workshop are subject to nomination by governmental or national organizations.

Participants should be members of nuclear safety regulatory bodies or technical support organizations from the member countries, responsible for safety review and assessment for licensing nuclear power plants, of the three regional networks of ANNuR, ANSN and FNRBA, and have a science or engineering degree, preferably related to nuclear energy.

Participants could also be trainers who want to train staff in their respective organizations and safety-specialized professionals who would like to expand their knowledge.

Participants should have sufficient proficiency in English to participate in the workshop without difficulty.

The total number of participants will be limited to thirty (30), and nominees from embarking countries on nuclear power plants will take precedence over the other candidates.

D. Working Language

The working language of the workshop will be English.

E. Structure

The workshop will consist of four (4) parts of lectures and practices, such as an introductory part for nuclear safety, presentations on technical and managerial approaches for safety review and assessment, practical exercise and case studies, and technical visits to KINS facilities.

The basic knowledge will be of those of the IAEA safety standards, and the regulatory practices of Korea will be introduced as the practical knowledge and experience.

The major contents come from the following standards, but not limited to:

- IAEA Safety Standards, SF-1, Fundamental Safety Principles
- IAEA Safety Standards, GSR Part 1, Governmental, Legal and Regulatory Framework
- IAEA Safety Standards, GSR Part 4, Safety Assessment for Facilities and Activities
- IAEA Safety Standards, SSG-12, Licensing Process for Nuclear Installations
- IAEA Safety Standards, SSG-16, Establishing the Safety Infrastructure for a Nuclear Power Programme
- IAEA Safety Standards, GS-G-1.2, Review and Assessment of Nuclear Facilities by the Regulatory Body

In addition, country presentations by the participants will be included in the workshop programme to allow them to share information on the status of, and future plans for, nuclear related activities in their respective countries.

F. Application Procedure

Prospective participants from the Asian Nuclear Safety Network (ANSN) member countries should first apply through the ANSN website (<https://ansn.iaea.org>). Participants from the Arab Network of Nuclear Regulators (ANNuR) and the Forum of Nuclear Regulatory Bodies in Africa (FNRBA) should send their nomination forms to the IAEA Project Management Officer, Mr Woon Kap Cho, via email to: W.K.Cho@iaea.org.

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 22 March 2019**.

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 be sent to the IAEA Project Management Officer, Mr Woon Kap Cho, via email to: W.K.Cho@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).

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.

The IAEA will provide participants with a travel allowance. The host organizer, KINS, will provide the participants with accommodation, food and minor incidental expenses.

The copying and shipping of accumulated workshop materials to the participants' home countries do not fall under 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 at the INSS (International Nuclear Safety School) of KINS (Korea Institute of Nuclear Safety), Daejeon, Republic of Korea.

I. Organization

IAEA Project Management Officer:

Mr Woon Kap Cho

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Subsequent correspondence from the participants 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. GNSSN and ANSN Website

Please visit the GNSSN and the ANSN website regularly for new information regarding this workshop:

<https://gnssn.iaea.org/main/pages/default.aspx>

<https://ansn.iaea.org>



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