



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 Evaluation of Research Reactor

Hosted by the
Government of the Republic of Korea

through the
Korea Institute of Nuclear Safety

Daejeon, Korea
15 - 19 July 2019

Ref. No: EVT1900808

Prospectus

A. Introduction

The International Atomic Energy Agency (IAEA) Code of Conduct on the Safety of Research Reactors recommends member countries to establish and maintain a legislative framework to govern the safety of research reactors. A regulatory body is responsible for regulatory control of research reactors, including authorization, review and assessment, inspection and enforcement, and establishment of regulations and guides.

Feedback from recent IAEA's activities on the safety of research reactors shows the need in many Member States to continue to enhance regulatory effectiveness, including strengthening the regulatory body capacity in performing review and assessment of safety submittals in frame of the licensing process.

Regional safety networks have shown to be an effective mechanism for safety enhancement through knowledge sharing and information exchange on safety topics of common interest. In support of strengthening the regional networks of the Arab Network of Nuclear Regulators (ANNuR), Asian Nuclear Safety Network (ANSN) and Forum of Nuclear Regulatory Bodies in Africa (FNRBA), the IAEA, in cooperation with the INSS (International Nuclear Safety School) of Korea Institute of Nuclear Safety (KINS), is organizing this workshop to share their practical knowledge and experience of safety evaluation for research reactors.

The cooperation mechanisms include the Practical Arrangement between the IAEA and KINS 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 of safety submittals in frame of the licensing process of research reactors.

Additionally, the meeting will also provide a forum for the participants to exchange their national practices and experience related to the subject and to discuss actions to strengthen regional cooperation.

C. Target Audience

Participants in the workshop are required to be nominated by governmental or national organizations.

Participants should be members of nuclear safety regulatory bodies or technical support organizations from the member countries, responsible for research reactors, of the three regional networks of ANNuR, ANSN and FNRBA, preferably related to nuclear safety.

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 research reactors 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 a series of technical sessions including presentations and a technical visit to KINS facilities. Presentations from IAEA and KINS representatives on technical and managerial approaches for regulatory review and assessment, as well as from participants on their national practices on this subject will be included.

The presentations and discussions during the workshop are based on the following IAEA Safety Standards:

- IAEA, The Code of Conduct on the Safety of Research Reactors (2006);
- IAEA Safety Standards Series No SSR-3 Safety of Research Reactors (2016);
- IAEA Safety Standards Series No SSG-20 Safety Assessment of Research Reactors and Preparation of the Safety Analysis Report (2012);
- IAEA Safety Standards Series No GSG-13 Functions and Processes of the Regulatory Body for Safety (2018);
- IAEA Safety Standards Series No GSR Part 4 (Rev. 1) Safety Assessment for Facilities and Activities (2016).

Experience of KINS safety reviews of research reactors will also be shared with the participants.

Group works during the workshop will be focusing on discussions of practices of participating countries with respect to regulatory review and assessment for research reactors against IAEA Safety Standards, and identification of relevant challenges and ways to address, and possible ways to enhance regional cooperation in this area.

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 19 April 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 regarding 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

Networks Management and Partnership Section
Department of Nuclear Safety and Security
International Atomic Energy Agency
Vienna International Centre
PO Box 100
1400 VIENNA
AUSTRIA

Tel.: +43 1 2600 23303

Fax: +43 1 26007

Email: W.K.Cho@iaea.org

IAEA Technical Officer:

Mr Sang Shim

Research Reactor Safety Section
Division of Nuclear Installation Safety
Department of Nuclear Safety and Security
International Atomic Energy Agency
Vienna International Centre
PO Box 100
1400 VIENNA
AUSTRIA

Tel.: +43 1 2600 23302

Fax: +43 1 26007

Email: s.shim@iaea.org

IAEA Project Assistant:

Ms Monica Garcia Montes

Networks Management and Partnership Section
Department of Nuclear Safety and Security
International Atomic Energy Agency
Vienna International Centre
PO Box 100
1400 VIENNA
AUSTRIA

Tel.: +43 1 2600 22832

Fax: +43 1 26007

Email: M.Garcia@iaea.org

KINS Course Director:

Mr Hokee Kim

Korea Institute of Nuclear Safety
62 Gwahak-ro, Yuseong
DAEJEON (34142)
REPUBLIC OF KOREA

Tel.: +82 42 868 0206

Fax: +82 42 861 4046

Email: k218khk@kins.re.kr

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>



This project is conducted by the IAEA, with funding by the Republic of Korea.