



**Arab Atomic Energy Agency (AAEA)  
Arab Network of Nuclear Regulators (ANNuR)  
Asian Nuclear Safety Network (ANSN)  
Forum of Nuclear Regulatory Bodies in Africa (FNRBA)**

**Joint IAEA-KINS Basic Professional Training  
Course for Nuclear Safety**

**Hosted by the  
Government of the Republic of Korea**

**through the  
Korea Institute of Nuclear Safety**

**Daejeon, Republic of Korea  
26 June–7 July 2017**

**Ref. No: EVT1700493/J5-CS-55194**

**Prospectus**

## **A. Introduction**

The IAEA's Basic Professional Training Course (BPTC) for Nuclear Safety is intended to provide a broad overview of all the safety concepts and their application to the design and operation of nuclear power plants and research reactors. Its nature and scope are primarily oriented towards junior professionals recently involved in nuclear safety-related activities. It is also appropriate for highly specialized professionals who lack a broader view of nuclear safety. The course provides an overview and basic training for future professionals involved in the development of regulatory bodies and technical and scientific support organizations (TSOs).

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 signed in 2008, the Memorandum of Understanding (MOU) between KINS and ANNuR signed in 2010, and the MOU between KINS and FNRBA also signed 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 nuclear safety.

## **B. Objectives**

The course is intended to provide a broad overview of all the safety concepts and their application to nuclear power plants and research reactors.

## **C. Target Audience**

The course is primarily oriented towards junior professionals in nuclear safety-related activities, but also appropriate for the trainers who want to teach their staff, and for the specialized professionals who want to expand their view on nuclear safety. Candidates should be professional staff members of nuclear safety regulatory bodies or technical support organizations, and have a science or engineering degree, preferably related to nuclear energy.

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 thirty (30), including a maximum of twenty (20) participants from the ANNuR and FNRBA member countries.

## **D. Working Language**

The working language of the workshop will be English.

## E. Structure

The course consists of lectures on safety concepts and their practical application necessary in achieving nuclear safety of all the activities relevant to the entire life cycle of nuclear facilities, their safety control and management.

The lectures are mainly based on the textbook of the BPTC and the IAEA Safety Standards. The contents include, among others, the following topics: nuclear reactor principles, radiation protection, basic principles of nuclear safety, quality assurance, safety analysis, nuclear safety culture, stakeholder involvement, etc. Some technical tours of nuclear facilities may be added to the agenda for better achievement of the course objectives.

In addition, participants, to be selected, will make presentations to share information on the status and future plans regarding the nuclear safety regulations and the use of atomic energy in their countries.

Prior to joining the course, all participants are expected to study the reference materials which can be obtained from the IAEA website (<https://gnssn.iaea.org/main/bptc/Pages/default.aspx>).

## F. Application Procedure

Prospective participants from ANSN member countries should apply through the ANSN website ([www.ansn.org](http://www.ansn.org)). Prospective 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](mailto:K.S.Do@iaea.org), copied to the IAEA's official email address ([Official.Mail@iaea.org](mailto: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 3 May 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](mailto:K.S.Do@iaea.org), copied to the IAEA's official email address ([Official.Mail@iaea.org](mailto: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.

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 International Nuclear Safety School (INSS) of Korea Institute of Nuclear Safety (KINS), Daejeon, Republic of Korea.

## **I. Organization**

### **IAEA Project Management Officer and Technical Officer:**

#### **Mr Kyu Sik Do**

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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](http://www.ansn.org))



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