



Interregional Workshop on Enhancing Safeguards Infrastructure for States Embarking on Nuclear Power Programme

Hosted by

The Government of Finland

through The Radiation and Nuclear Safety Authority (STUK)

Helsinki, Finland

9-13 December 2024

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Information Sheet

Purpose

The purpose of this event is to share the participants in knowledge and practical considerations for safeguards for states who are embarking nuclear power programmes with the focus that participants will receive the foundational knowledge of safeguards requirements on implementation and expansion of safeguards infrastructure for embarking states.

Working Language

The workshop will be conducted in English

Deadline for Nominations

Nominations received **after 20 September 2024** will not be considered.

Project Background

As a low carbon source of energy, nuclear power is expected to play an increasing role in the energy mix of many countries around the world — for energy security and sustainable development, as well as for addressing environmental concerns. With more countries starting the operation of their first nuclear power plants (NPPs), as well as significant expansion in some countries, total global nuclear capacity is expected to grow despite the expected shutdown of several nuclear power plants in the coming years, with new technologies also expected to contribute in this regard. A nuclear power programme is a major undertaking requiring careful planning, preparation and investment in time, institutions and human resources. Nuclear power requires establishing a sustainable national infrastructure that provides governmental, legal, regulatory, managerial, technological, human resource, industrial and stakeholder support for the nuclear power programme throughout its life cycle. The INT2024 project aims to support participating Member States in creating an enabling environment to facilitate the safe, secure and sustainable introduction or expansion of nuclear power. It is intended to address the common issues identified in many of those Member States. It builds on the lessons learned from three previous four-year interregional projects in this field of activity (INT2013, INT2018 and INT2021) with adaptations to match the needs of the Member States.

Scope and Nature

Within the context of the IAEA Milestones Approach to developing a national infrastructure for nuclear power, this workshop will provide further information, guidance, tools and practical experiences on:

The legal and regulatory framework to support a nuclear power programme, in the safeguards activities for the various phases of a nuclear power programme, enhancing the State system of accounting and control of nuclear materials (SSAC) as well as the concept of IAEA nuclear material accounting for the introduction of a new nuclear power plant to give participants the basic knowledge and skills required for the development, maintenance and enhancement of State safeguards infrastructure for nuclear power programme.

The workshop will include direct and indirect interactive learning methods that will consist of presentations, practical exercises, visit to an operating nuclear facility, as well as round table discussions to enable participants draw on international experience and resources as needed.

References:

For all references covering the Milestones Approach and its 19 Issues, please refer to the IAEA Infrastructure Bibliography:

<https://www.iaea.org/topics/infrastructure-development/bibliography>

More IAEA publications and information about IAEA services are available at the following sites:

- <https://www.iaea.org/publications>
 - <https://www.iaea.org/topics/assistance-for-states/guidance-documents>
- IAEA <https://www.iaea.org/resources/treaties/treaties-under-IAEA-auspices>

Expected outputs

The expected outputs of the training course are:

- Improved knowledge about nuclear power technology.
- Broader understanding of the IAEA Milestones approach and all 19 nuclear infrastructure issues.
- Improved knowledge in the specific areas of nuclear safeguards implementation
- Enhanced networking opportunities among participants and with experts

Participation

The event is open to up to 20 participants from the following Member States participating in the INT/2/024 project which need assistance to enhance the number and knowledge of staff involved in launching or expanding nuclear power programmes, namely:

Algeria; Argentina, Armenia, Bangladesh; Brazil; Bulgaria; Czech Republic; Egypt; El Salvador; Estonia; Ethiopia; Ghana; Hungary; Indonesia; Iran, (Islamic Republic of); Jordan; Kazakhstan; Mexico; Mongolia; Morocco; Nigeria; Pakistan; Philippines; Poland; Romania; Saudi Arabia; Senegal; Slovakia; South Africa; Sri Lanka; Thailand; Tunisia; Türkiye; Uganda; Uzbekistan; Zambia

Participants' Qualification and Experience

For maximum benefit to participants this workshop is open to professionals from Member States that are actively preparing nuclear power infrastructure on a new nuclear power programme. The workshop is suitable for personnel from Nuclear Energy Programme Implementing Organizations (NEPIOs), Nuclear Regulatory Bodies, Owner/Operators, and education and training organizations who have direct responsibilities in the development and or expansion of the Safeguards infrastructure issue.

Candidates are requested to provide a summary of how this workshop will provide direct benefit to their current or future job position to give reasonable assurance that on their return, they will be engaged in work which is related to the design, establishment, management or strengthening of the national system of accounting for and control of nuclear material.

Individuals who participated in this course or a similar course in the past three years should not apply.

Participants are requested to complete the following IAEA E-Learning Module before joining the course:

- **Identify Safeguards Agreements and Protocols of participants' home countries**
- **Read and Watch "What is the Nuclear Fuel Cycle?"**
<https://elearning.iaea.org/m2/course/view.php?id=1518>
- **Read Course: What is an SRA?**
<https://elearning.iaea.org/m2/course/view.php?id=1530>
- **Read Course: A concise introduction to the Safeguards Legal Framework.**
<https://elearning.iaea.org/m2/course/view.php?id=1722>

Implementing a Nuclear Power Programme https://nucleus.iaea.org/sites/connect-members/cbh/publicpages/E_Learning_Modules/01/Default.htm

Application Procedure

Candidates wishing to apply for this event should follow the steps below:

1. Access the InTouch+ home page (<https://intouchplus.iaea.org>) using the candidate's existing Nucleus username and password. If the candidate is not a registered Nucleus user, she/he must create a Nucleus account (<https://websso.iaea.org/IM/UserRegistrationPage.aspx>) before proceeding with the event application process below.
2. On the InTouch + platform, the candidate must:
 - a. Finalize or update her/his personal details, provide sufficient information to establish the required qualifications regarding education, language skills and work experience ('Profile' tab) and upload relevant supporting documents;
 - b. Search for the relevant technical cooperation event (**EVT2403792**) under the 'My Eligible Events' tab, answer the mandatory questions and lastly submit the application to the required authority.

NOTE: Completed applications need to be approved by the relevant national authority, i.e. the National Liaison Office, and submitted to the IAEA through the established official channels by the provided designation deadline. **All nominations must include a scan of the candidate's first page of passport with photo.**

For additional support on how to apply for an event, please refer to the [InTouch+ Help page](#). Any issues or queries related to InTouch+ can be addressed to InTouchPlus.Contact-Point@iaea.org.

Should online application submission not be possible, candidates may download the nomination form for the training course from the [IAEA website](#).

NOTE: A medical certificate signed by a registered medical practitioner dated not more than four months prior to starting date of the event must be submitted by candidates when applying for a) events with a duration exceeding one month, and/or b) all candidates over the age of 65 regardless of the event duration.

Training on Basic Security in the Field (BSITF)

In order to comply with UN system-wide security measures, it is required that all training course participants complete the online security awareness training BSAFE (which replaces BSITF and ASITF), prior to traveling to locations where UN security phases are in effect. The aim of these course is to educate participants on how best to avoid or minimize potential dangers and threats, and to demonstrate what individuals can do if they find themselves in insecure situations. The course is available online (<https://training.dss.un.org/course/category/6>).

Once an individual has completed the training, he/she must go back to the main training page to receive the certificate. If the button to get the certificate is not immediately visible, please refresh the page. BSAFE is maintained by UNDSS; in case of problems with the system, please contact UNDSS through the "Contact Us" page on the training website (<https://dss.un.org/dssweb/contactus.aspx>).

This certificate is compulsory for any IAEA-supported activity and should be submitted, along with the Nomination Form, through the competent authority in your country (NLO). Copies of the certificate should be kept by the candidate for his/her records as the BSAFE certificate does not expire.

Administrative and Financial Arrangements

Nominating authorities will be informed in due course of the names of the candidates who have been selected and will at that time be informed of the procedure to be followed with regard to administrative and financial matters.

Selected participants will receive an allowance from the IAEA sufficient to cover their costs of lodging, daily subsistence and miscellaneous expenses. They will also receive either a round-trip air ticket based on the most direct and economical route between the airport nearest their residence and the airport nearest the duty station through the IAEA's travel agency American Express, or a travel grant, or they will be reimbursed travel by car/bus/train in accordance with IAEA rules for non-staff travel.

NOTE: The event will be hosted by the Government of Japan, therefore nominated participants who require a visa to enter Japan should submit the necessary application to the nearest diplomatic or consular representative of Japan as soon as possible.

Disclaimer of Liability

The organizers of the event 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 course, and it is clearly understood that each Government, in approving his/her participation, undertakes responsibility for such coverage. Governments would be well advised to take out insurance against these risks.

Note for female participants

Any woman engaged by the IAEA for work or training should notify the IAEA on becoming aware that she is pregnant.

The Board of Governors of the IAEA approved new International Basic Safety Standards for Protection against Ionizing Radiation and for the Safety of Radiation Sources. The Standards deal specifically with the occupational exposure conditions of female workers by requiring, inter alia, that a female worker should, on becoming aware that she is pregnant, notify her employer in order that her working conditions may be modified, if necessary. This notification shall not be considered a reason to exclude her from work; however, her working conditions, with respect to occupational exposure shall be adapted with a view to ensuring that her embryo or foetus be afforded the same broad level of protection as required for members of the public.

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