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Interregional Training Course on Establishment an Owner/Operator for a New Nuclear Power Programme

Hosted by

The Government of the Russian Federation

through the

Rosatom Technical Academy

20-24 July 2026

Ref. No.: TN-INT2024-2506321

Information Sheet

Purpose

The event will provide Member States embarking on new nuclear power programmes with practical guidance and good practices related to the establishment of a knowledgeable and competent owner/operator organization.

Working Language

The training course will be conducted in **English**.

Deadline for Nominations

Nominations received after **27 March 2026** 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

The development of the infrastructure for a nuclear power programme includes the establishment of policies and strategies in areas such as human resource development, nuclear fuel cycle and waste management, industrial involvement, and nuclear safety. A legal and regulatory framework that creates an environment enabling the project to be implemented in a transparent and effective manner will also need to be established. The elements of this infrastructure will have an impact on the project and will guide the discussions of the future owner/operator with potential vendors. In this regard, it is important that the owner/operator, if already identified, participate in this process from the beginning.

As the programme evolves, it is necessary to conduct a feasibility study, evaluate different technologies and identify the preferred ones, prepare a financial plan and, finally, procure the nuclear power plant. These are responsibilities of the owner/operator in Phase 2. After the procurement of the nuclear power plant, the owner/operator will apply for the required licences, oversee construction, and prepare for operation. These activities take place in Phase 3.

This interregional training course is based on the IAEA publication NG-T-3.1 (Rev.1) published in 2020. It provides guidance on the establishment and development of the owner/operator so that it can discharge its responsibilities throughout the phases of the programme.

This training course is planned for one week and will include a combination of classroom lectures, discussions, practical examples, and interactive exercises. The training course will be conducted as a series of presentations by IAEA staff and international experts. The programme will also include discussions and peer-to-peer exchange of good practices.

[Key Documents]

• Milestones in the Development of a National Infrastructure for Nuclear Power, IAEA Nuclear Energy (NE) Series No. NG-G.3.1 rev. 2, 2024

• Responsibilities and Capabilities of Owner/Operators in the Development of a National Infrastructure for Nuclear Power, IAEA NE Series No. NG-T-3.1, Rev.1, 2020

[Additional Relevant Documents]

• Commissioning Guidelines for Nuclear Power Plants, IAEA NE Series No. NP-T-2.10, 2018 (Mainly for Phase 3)

• Preparation of a Feasibility Study for New Nuclear Power Projects (Rev. 1), IAEA Nuclear Energy Series No. NG-T-3.3 (Rev. 1), [IAEA Preprint] (2025)

• Project Management in Nuclear Power Plant Construction: Guidelines and Experience, IAEA NE Series No. NP-T-2.7, 2012)

• Invitation and Evaluation of Bids for Nuclear Power Plants (IAEA NE Series No. NG-T-3.9, 2011)

• The Management System for Nuclear Installations (IAEA Safety Standards Series No. GS-G-3.5, 2009)

• Experiences of Regulatory Bodies and Owner/Operator Organizations in Developing Management Systems for New Nuclear Power Programmes (IAEA TECDOC Series No. IAEA-TECDOC-2013, 2022).

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/resources/safety-standards
- https://www.iaea.org/resources/treaties/treaties-under-IAEA-auspices

Expected outputs

The expected outputs of the training course are improved knowledge and understanding in the following areas:
- Key functions and responsibilities of owner/operator as outlined in the NG-G-3.1 Rev. 2 document (Milestones in the Development of a National Infrastructure for Nuclear Power) and in the NG-T-3.1 technical report (Initiating Nuclear Power Programmes: Responsibilities and Capabilities of Owner and Operator);
- Staffing and organizational structure of owner/operator;
- Concept of 'knowledgeable customer' and the role of the operating organization in the earlier phases of NPP construction;
- Sharing the experience of Member States in establishing an owner/operator organization.
- Enhanced networking opportunities, fostering collaboration and knowledge exchange among participants.

Participation

The event is open to a maximum of 20 participants from Member States involved in the INT/2024 project. These Member States require support to increase the number and expertise of personnel engaged in initiating or expanding nuclear power programmes. Eligible participants include representatives from the following Member States:

Algeria, Azerbaijan, Burkina Faso, Colombia, Dominican Republic, Ecuador, El Salvador, Estonia, Ethiopia, Ghana, Indonesia, Iraq, Jamaica, Jordan, Kazakhstan, Kenya, Malaysia, Mongolia, Morocco, Myanmar, Niger, Nigeria, Paraguay, Philippines, Rwanda, Senegal, Serbia, Singapore, Sri Lanka, Thailand, Tunisia, Uganda, Viet Nam, Zambia

Participants' Qualification and Experience

This training course is open to decisionmakers, owner/operator executives and staff as well as others in organizations involved in the nuclear power programme. Personnel from nuclear regulatory bodies, government officers, suppliers, and nuclear energy programme implementing organizations (NEPIOs) may consider attending.

In their application, candidates are requested to submit a summary of how this training will provide direct benefit to their current or future job position.

Participants are encouraged to get acquainted with the following IAEA E-Learning and other virtually available modules before joining the course:

[IAEA E-learning]

- Feasibility Study

- Construction Management

- Management of a Nuclear Power Programme

- Management Systems

[Other Materials]

- Nuclear Contracting Toolkit (2016)

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 (**EVT2506321**) 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 the Russian Federation, therefore nominated participants who require a visa to enter the Russian Federation should submit the necessary application to the nearest diplomatic or consular representative of the Russian Federation 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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