



Interregional Training Course on External Support and Technical Support Organisations (TSOs) for a New Nuclear Power Programme

Hosted by

The Government of the Russian Federation

through the

State Atomic Energy Corporation ‘Rosatom’

Moscow, Russian Federation

04 to 08 November 2024

Ref. No.: TN-INT2024-2400478

Information Sheet

Purpose

The purpose of the event is to train the participants on the necessity of an effective external technical and scientific support to the nuclear energy programme implementing organization (NEPIO), the regulatory authority and the owner/operator while implementing a new nuclear power programme.

The course will contribute to a better understanding of the need and benefits for technical and scientific support in areas where implementing organisations in the embarking countries have lack of competence.

Working Language(s)

The working language of the event will be English.

Deadline for Nominations

Nominations received after **25 September 2024** will not be considered.

Scope and Nature

This training course is planned for one week and will include a combination of classroom lectures, discussions, site visits, practical examples and interactive exercises. It 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.

Case-studies will be provided on the use of external technical and scientific support by the NEPIO, regulatory bodies and by the owner/operators during the nuclear power programme implementation.

Use of the Technical Support Organisation (TSO's) for Human Resource Development will be also covered during the course.

During the five days training course the following aspects will be covered:

- Presentation of relevant IAEA guidance materials on External Technical and Scientific Support for a NEPIO, Regulatory Authority and Owners/Operators.
- Role and activities of the IAEA TSO's Forum.
- Experience of regulatory bodies in using technical and scientific support in establishing a regulatory framework.
- Key elements to be included in the procurement of the TSOs and their services.
- Case studies of newcomer countries on the use of TSOs in their national nuclear programmes.
- External Support provided by the vendor.
- Development of human resources with the support of an External Technical Support organization.

References:

- INTERNATIONAL ATOMIC ENERGY AGENCY, Milestones in the Development of a National Infrastructure for Nuclear Power, Nuclear Energy Series No. NG-G-3.1 (Rev. 2), IAEA, Vienna (2023).
- INTERNATIONAL ATOMIC ENERGY AGENCY, Technical Support to Nuclear Power Plants and Programmes, Nuclear Energy Series No. NP-T-3.28, IAEA, Vienna (2018).
- INTERNATIONAL ATOMIC ENERGY AGENCY, Technical and Scientific Support Organizations Providing Support to Regulatory Functions, IAEA TECDOC-1835, IAEA, Vienna (2018).
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Expected outputs

The expected output of the training course is to strengthen understanding in the following areas:

- Role and functions of the TSOs in the national nuclear programme of newcomer countries.
- IAEA recommendations on the procurement procedure for TSOs.
- Support provided by TSOs in the development of human resources.
- External support, that could be provided by the vendor.

Participation

The event is open to 25 participants from the following Member States participating in the INT/2/024:

Argentina, Armenia, Bangladesh, Brazil, Bulgaria, Egypt, El Salvador, Estonia, Ethiopia, Ghana, Hungary, Indonesia, Iran, Jordan, Kazakhstan, Kenya, Mexico, Mongolia, Morocco, Nigeria, Pakistan, Philippines, Poland, Saudi Arabia, Senegal, Slovakia, South Africa, Sri Lanka, Sudan, Thailand, Tunisia, Türkiye, Uganda, Uzbekistan, Zambia.

Participants' Qualification and Experience

The target audience of this Training Course are professionals working in the Nuclear Energy Programme Implementing Organisation (NEPIO), Regulatory Body or Owner/Operator organisations with responsibilities in defining and obtaining external technical support. Entities providing technology and/or technical and scientific services for the design, construction, installation, commissioning, maintenance, modification, operation and decommissioning of the nuclear power plants within and outside the owner/operating organization through interfaces during the entire life cycle of a plant could also benefit from the Training. Individuals who have participated in a similar event in the last three years, should not be nominated to participate in this event.

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

- **Implementing a Nuclear Power Programme**
https://nucleus.iaea.org/sites/connect-members/cbh/publicpages/E_Learning_Modules/01/Default.htm
- **Management of a Nuclear Power Programme**
https://nucleus.iaea.org/sites/connect-members/cbh/publicpages/E_Learning_Modules/04/Default.htm
- **Procurement**
https://nucleus.iaea.org/sites/connect-members/cbh/publicpages/E_Learning_Modules/17/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 (EVT2400478) 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 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 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.

Programme Management Officer

Mr Jing Zhang
Division for Europe
Department of Technical Cooperation
International Atomic Energy Agency
Vienna International Centre
PO Box 100
1400 VIENNA
AUSTRIA
Tel.: +43 1 2600 26540
Fax: +43 1 26007
Email: J.Zhang@iaea.org

Administrative Contact

Mr Nikita Butakov
Department of Technical Cooperation
International Atomic Energy Agency
Vienna International Centre
PO Box 100
1400 VIENNA
AUSTRIA
Tel.: +43 1 2600 21058
Fax: +43 1 26007
Email: N.Butakov@iaea.org