IAEA
International Atomic Energy Agency
Atoms for Peace and Development

Technical Meeting on Topical Issues in the Development of Nuclear Power Infrastructure

IAEA Headquarters, Vienna, Austria

22–25 March 2027

Ref. No.: EVT2602269

Information Sheet

Introduction

The International Atomic Energy Agency (IAEA) provides technical support to Member States that are introducing or expanding nuclear power programmes. In this regard, the IAEA has developed Milestones Approach to provide a roadmap and guidance to those Member States to develop required infrastructure which will serve as the enabling environment for the implementation of safe, secure and sustainable nuclear power plant projects. Since its introduction, Milestones Approach has been followed by all countries introducing nuclear power for the first time.

The IAEA General Conference has recognized that "the development, implementation, and maintenance of an appropriate infrastructure to support the successful introduction of nuclear power and its safe, secure, and efficient use is an issue of great importance"[1]. It is essential for Member States to have the opportunity to share experiences and discuss lessons learned to support the development of their national nuclear power infrastructure.

First organized in 2006, the IAEA's annual Technical Meeting on Topical Issues in the Development of Nuclear Power Infrastructure provides the main forum for Member States to share good practices and lessons learned in establishing the infrastructure required for a safe and successful nuclear power programme.

[1] Resolution GC(64)/RES/12.B.7, preambular para. (a).

Objectives

This meeting will provide a platform for senior officials and managers from nuclear energy programme implementing organizations, regulatory bodies and nuclear power plant owners and operating organizations to meet and discuss nuclear power infrastructure development issues. The meeting will focus on challenges faced by Member States in prioritizing and scheduling activities that must be addressed in nuclear infrastructure development, as outlined in the revised IAEA publication *Milestones in the Development of a National Infrastructure for Nuclear Power* (IAEA Nuclear Energy Series No. NG-G-3.1 (Rev. 2)).

Target Audience

The meeting is open to participants from Member States that are considering, planning or expanding a nuclear power programme, preferably from the key players in different organizations having roles in the development and implementation of the nuclear power programme organizations (Government/NEPIO, regulatory body, owner, operating organization, national technical support organizations and national competent authorities in the field of safeguards, security and emergency planning as well as environmental protection).

The meeting is also open to Member States with operating experience, representatives of the nuclear industry and relevant international organizations who are willing to share their experience and lessons learned, and donors to IAEA infrastructure development activities.

Participants are expected to be at a senior level in the government, future owner or operating organizations, regulatory bodies or other institutions involved in the nuclear power programme. They should be knowledgeable about the details of their country's national strategy and specific plans for implementation of nuclear power programme, and authorized to describe and discuss in depth the experience and lessons learned in the infrastructure implementation processes. Participants should have a good working knowledge of English to enable them to actively contribute to the discussions.

Working Language

The working language of the meeting will be English. No interpretation will be provided.

Structure

An interactive exchange on challenges and experiences among all participants will identify practical solutions to common issues. Speakers with direct experience of implementing infrastructure development activities for the national nuclear power programme will highlight the challenges they have faced and the lessons learned. Short presentations from the IAEA and keynote speakers on specific topics will aim to stimulate ideas and discussions. Individual experiences of certain aspects of infrastructure development in Member States will also be presented to foster sharing their experiences. Panel discussion sessions, breakout sessions and tabletop exercises may be organized to provide opportunity for intense discussion of those specific challenges. The topics for such sessions will be determined by participants' interest.

All sessions will aim to provide an interactive exchange on challenges and experiences that will identify practical solutions to common issues.

Topics

The meeting will focus on the strategic management of new or expanding nuclear power development programmes, with an emphasis on the following topics:

- Recent development in nuclear power programmes in embarking countries
- Considerations for nuclear power programmes in pre-phase 1 countries
- Pre-feasibility & elements of the comprehensive report for stablishing national position in embarking countries
- Feasibility studies for NPP projects including project development and BIS
- Self-evaluation and development of a roadmap in a nuclear power programme
- Ownership models, financing and contracting options
- Funding requirement in newcomer countries
- Managing the NPP projects, contract and construction
- The use of external support (TSO) for the owner/operators and the regulatory bodies
- Licencing of new NPPs and oversight during construction
- Considerations for nuclear power programmes in expanding countries
- Establishing key organizations (Regulatory Body and Owner/Operator) for the construction phase of NPPs.
- Infrastructure considerations (siting, environmental protection, HRD, waste management and nuclear fuel, etc.,) and preparatory work in a nuclear power project
- Establishing key organizations (Regulatory Body and Owner/Operator) for a nuclear power programme and their evolution throughout the phases.
- Specific infrastructure considerations for owners and operating organizations: managing the growth and change of the organization throughout the phases;
- Specific infrastructure considerations for regulatory bodies: licensing of new NPPs and regulatory oversight during construction;
- Infrastructure considerations for the deployment of small and medium sized or modular reactors (SMR), including economic and cost appraisal, applicability of IAEA safety Standards to SMR, licensing, siting, localizations, challenges, etc.
- IAEA support and international cooperation including INIR missions; and
- Follow-ups on self-assessment tools, documents and E-learning modules

The meeting will also include a global outlook on nuclear power and updates on the status of nuclear infrastructure development activities in embarking countries, including developments in different infrastructure issues, such as legal and regulatory frameworks, management, radioactive waste and spent fuel management, and environmental protection.

The meeting will also be used to receive participants' feedback on the draft documents that are developed by the IAEA in the area of infrastructure development.

As one of the main objectives of the meeting is the exchange of information among participants, in particular among those embarking on nuclear power for the first time or expanding their nuclear power programme, participants are expected to prepare and submit a report on the status of nuclear power infrastructure and project(s) in their countries. The participants from some Member States will be selected to present their reports during the meeting. A sample of the report format will be sent to the candidates selected to participate in the meeting.

Participation and Registration

In order to be designated by an IAEA Member State or invited organization, participants are requested to submit their application via the InTouch+ platform (https://intouchplus.iaea.org) to the competent national authority (Ministry of Foreign Affairs, Permanent Mission to the IAEA or National Atomic Energy Authority) or organization for onward transmission to the IAEA by **24 December 2026**, following the registration procedure in InTouch+:

1. Access the InTouch+ platform (https://intouchplus.iaea.org):
   - Persons with an existing NUCLEUS account can sign in to the platform with their username and password;
   - Persons without an existing NUCLEUS account can register here.

2. Once signed in, prospective participants can use the InTouch+ platform to:
   - Complete or update their personal details under 'Complete Profile' and upload the relevant supporting documents;
   - Search for the relevant event under the 'My Eligible Events' tab;
   - Select the Member State or invited organization they want to represent from the drop-down menu entitled 'Designating Authority' (if an invited organization is not listed, please contact InTouchPlus.Contact-Point@iaea.org);
   - If applicable, indicate whether financial support is requested and complete the relevant information (this is not applicable to participants from invited organizations);
   - Based on the data input, the InTouch+ platform will automatically generate the Participation Form (Form A) and/or the Grant Application Form (Form C);
   - Submit their application.

Once submitted through the InTouch+ platform, the application, together with the auto-generated form(s), will be transmitted automatically to the required authority for approval. If approved, the application, together with the applicable form(s), will automatically be sent to the IAEA through the online platform.

NOTE: The application for financial support should be made, together with the submission of the application, by **24 December 2026.**

For additional information on how to apply for an event, please refer to the InTouch+ Help page. Any other issues or queries related to InTouch+ can be sent to InTouchPlus.Contact-Point@iaea.org.

Selected participants will be informed in due course on the procedures to be followed with regard to administrative and financial matters. Participants are hereby informed that the personal data they submit will be processed in line with the Agency's Personal Data and Privacy Policy and is collected solely for the purpose(s) of reviewing and assessing the application and to complete logistical arrangements where required. The IAEA may also use the contact details of Applicants to inform them of the IAEA's scientific and technical publications, or the latest employment opportunities and current open vacancies at the IAEA. These secondary purposes are consistent with the IAEA's mandate.

Expenditure and Grants

No registration fee is charged to participants.

The IAEA is generally not in a position to bear the travel and other costs of participants in the event. The IAEA has, however, limited funds at its disposal to help meet the cost of attendance of certain participants. Upon specific request, such assistance may be offered to normally one participant per country, provided that, in the IAEA's view, the participant will make an important contribution to the event.

Venue

The event will be held at the Vienna International Centre (VIC), where the IAEA's Headquarters are located, specifically in Conference Room BR A in M building, and will start at 9.30 a.m. on Tuesday, 22 March 2026, and end at 1 p.m. on Friday, 25 March 2026. Participants must make their own travel and accommodation arrangements.

General information on the VIC and other practical details, such as a list of hotels offering a reduced rate for IAEA participants, are listed on the following IAEA web page:

www.iaea.org/events.

Participants are advised to arrive at Checkpoint 1/Gate 1 of the VIC one hour before the start of the event on the first day in order to allow for timely registration. Participants will need to present an official photo identification document in order to be admitted to the VIC premises.

Visas

Participants who require a visa to enter Austria should submit the necessary application to the nearest diplomatic or consular representative of Austria at least four weeks before they travel to Austria. Since Austria is a Schengen State, persons requiring a visa will have to apply for a Schengen visa. In States where Austria has no diplomatic mission, visas can be obtained from the consular authority of a Schengen Partner State representing Austria in the country in question.

IAEA Contacts

Scientific Secretary:

Mr John Haddad
Division of Nuclear Power
Department of Nuclear Energy
International Atomic Energy Agency
Vienna International Centre
PO Box 100
1400 VIENNA
AUSTRIA

Tel.: +43 1 2600 22839
Fax: +43 1 2600 29598
Email: J.haddad@iaea.org

Administrative Secretary:

Ms Valentyna Dzyubenko
Division of Nuclear Power
Department of Nuclear Energy
International Atomic Energy Agency
Vienna International Centre
PO Box 100
1400 VIENNA
AUSTRIA

Tel.: +43 1 2600 26736
Fax: +43 1 2600 29598
Email: V.Dzyubenko@iaea.org

Event Web Page

Please visit the following IAEA web page regularly for new information regarding this event:

www.iaea.org/events/ EVT2602269