



IAEA

International Atomic Energy Agency

Atoms for Peace and Development

Technical Meeting on Developing a Sustainable Nuclear Supply Chain for Near Deployment Reactors

18th Edition of the NUCLEAREUROPE–IAEA Joint Event on Management

IAEA Headquarters, Vienna, Austria
and virtual participation via Microsoft Teams

10-12 December 2024

Ref. No.: EVT2303563

Information Sheet

Introduction

The IAEA Programme and Budget cycle 2024-25 Subprogramme 1.1.2 “Management for Construction and Operation of Nuclear Power” objectives are to support Member States (MSs) in the development of management systems, configuration and performance management, project management, contracting, plant deployment models, human performance, leadership, and stakeholder involvement for construction and operation of NPPs. Another objective is to support Member States in the development of supply chains, industrial involvement, procurement, quality assurance and quality control, codes and standards, and harmonization efforts for NPPs, as the Technical Working Group of Nuclear Power Plants Operations has found the supply chain of nuclear to be one of the most important topics affecting reliable operation.

In June 2022, the IAEA launched the Nuclear Harmonization and Standardization Initiative (NHSI) for the effective global deployment of more standardized fleets of safe, secure, and economic advanced nuclear reactors, particularly small modular reactors (SMRs). The NHSI comprises two separate but

complementary tracks. The first track is for regulators. The other track is for industry which includes both technology holders and operators. Both tracks are to develop a joint workplan through 2024. The regulatory track agreed to work on an international pre-licensing regulatory review (WG2) and on leveraging other regulators reviews in licensing (WG3) for generic designs following an internationally agreed process and criteria (WG1). The industrial track agreed to work on the following four (4) topics:

1. Harmonization of high-level user requirements (TG1);
2. Common approaches on codes and standards (YG2);
3. Experiments and simulation codes validation (TG3), and
4. Accelerating the implementation of a nuclear infrastructure for SMRs (TG4).

There are many efforts all around the world initiated by International and Non-governmental organizations to establish, develop and maintain sustainable supply chains and harmonize requirements for them. Examples are European Union and its Joint Research Centre, World Nuclear Association, OECD Nuclear Energy Agency, American Society of Mechanical Engineers, International Standardization Organization, etc.

The IAEA cooperation with NUCLEAREUROPE has been ongoing since 1980s in topics dealing with management, quality, and supply chain and through the joint events hosted on rotating basis by the two organizations. This Technical Meeting (TM) represents the 18th in the row and focusses upon the challenges and solutions to develop a sustainable especially supply chain for the near deployment reactors.

Objectives

The purpose of this event is to discuss challenges and solutions related to the supply chain management of near-term deployment reactors, including reactors that are currently deployed. An important area of discussion will be seeking solutions to simplify the current situation, which involves many different jurisdictions and requirements. The event is planned to be implemented in cooperation with NUCLEAREUROPE (formerly FORATOM) as a joint event on management.

The objectives of the event are to bring together project owners, plant operators, technology vendors, suppliers/contractors, regulators, and governmental officers to discuss the needs and solutions for a sustainable supply chain for near-term nuclear projects.

The event will also be a forum to discuss advances made in the IAEA Member States in topics dealing with its scope.

A special objective is to present and discuss the deliverables produced by the NHSI Industrial Track TG2 “Common approaches on codes & standards” (C&S).

In addition, the purpose of the event is also to provide a forum for the international exchange of the current issues, experiences and lessons learned in Member States. Activities of NUCLEAREUROPE related to the supply chain optimization are relevant to this technical meeting (TM), as are those of other international and non-governmental organizations in the area of supply chain for near-deployment SMRs and other reactors.

Target Audience

The intent of the event is to bring together operators, technology vendors, suppliers/contractors, developers, regulators, governmental officers, and representatives of international community to develop and maintain a sustainable supply chain of the nuclear power plants to be built in the near future.

Working Language(s)

English.

Topics

The event will focus, e.g., on the following topics without restricting any relevant nuclear supply chain topic outside its scope:

- Strategies to enhance the resilience of the nuclear supply chain and security of supply;
- Measures to prevent disruptions, address vulnerabilities, and ensure the reliable flow of materials, products and services;
- Present results and lessons learned from the IAEA's Nuclear Harmonization and Standardization Initiative (NHSI) including user requirements, common approaches on C&S, etc.;
- Discuss the regional and international initiatives on SC for SMRs;
- Discuss challenges and practical steps for a more harmonized, safe, secure, and economically viable advanced nuclear reactor fleet to be deployed globally;
- Discuss the unique supply chain requirements for SMRs, such as prefabrication;
- Collaborative approaches among technology holders, operators, and regulatory bodies to facilitate SMR deployment;
- Discuss quality management for near-deployment reactors – what remains the same and what changes?
- Special challenges and opportunities: use of industrial grade items, digital technology, remote operations, counterfeiting & fraudulence, etc.;
- Stakeholder involvement in supply chain development (suppliers of products and services are important stakeholders and cannot be taken as granted) in different nuclear power plant (NPP) project life cycle phases;
- Case studies from the Member States to highlight best practices and lessons learned on the areas described above.

Participation and Registration

All persons wishing to participate in the event have to be designated by an IAEA Member State or should be members of organizations that have been invited to attend.

In order to be designated by an IAEA Member State, participants are requested to send the **Participation Form (Form A)** to their competent national authority (e.g. Ministry of Foreign Affairs, Permanent Mission to the IAEA or National Atomic Energy Authority) for onward transmission to the IAEA by **13 September 2024**. Participants who are members of an organization invited to attend are requested to send the **Participation Form (Form A)** through their organization to the IAEA by the above deadline.

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 **13 September 2024**, 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 **13 September 2024**.

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. Further information can be found in the [Data Processing Notice](#) concerning IAEA InTouch+ platform.

Papers and Presentations

The IAEA encourages participants to give presentations on the work of their respective institutions that falls under the topics listed above.

Participants who wish to give presentations are requested to submit the title and a short description of their work on challenges, practical solutions and lessons learned about the topics of the TM. The proposed presentations, or an extended outline of these will be reviewed as part of the selection process for presentations and incorporation into the meeting agenda. The description should not exceed 200 words. It should be sent electronically to Mr Pekka Pyy, the Scientific Secretary of the event (see contact details below), not later than **13 September 2024**. Authors will be notified of the acceptance of their proposed presentations in due course.

In addition, participants have to submit the abstract together with the **Participation Form (Form A)** to their competent national authority (e.g. Ministry of Foreign Affairs, Permanent Mission to the IAEA or National Atomic Energy Authority) or their organization for onward transmission to the IAEA not later than **13 September 2024**.

Expenditures 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.

The application for financial support should be made using the **Grant Application Form (Form C)**, which has to be stamped, signed and submitted by the competent national authority to the IAEA together with the **Participation Form (Form A)** by **13 September 2024**.

For designation through the InTouch+ online registration portal:

The application for financial support should be made, together with the submission of the application, by **13 September 2024**.

Venue

The event will be held at the Vienna International Centre (VIC), where the IAEA's Headquarters are located. 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.

The virtual component of the event will be held via Microsoft Teams for a limited number of participants.

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 Pekka Pyy

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Vienna International Centre
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AUSTRIA

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Email: P.Pyy@iaea.org

Administrative Secretary:

Ms Inessa Kovalenko

Division of Nuclear Power
Department of Nuclear Energy
International Atomic Energy Agency
Vienna International Centre
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1400 VIENNA
AUSTRIA

Tel.: +43 1 2600 22801

Email: I.Kovalenko@iaea.org

Subsequent correspondence on scientific matters should be sent to the Scientific Secretary and correspondence on other matters related to the event to the Administrative Secretary.

The Technical Meeting will be organized in close co-operation with NUCLEAREUROPE, whose contact persons are Mr Andrei Goicea and Mr Guilherme Cardoso.

Event Web Page

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

www.iaea.org/events/2303563

Participation Form

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To be completed by the applicant and sent to the competent national authority (e.g. Ministry of Foreign Affairs, Permanent Mission to the IAEA, or National Atomic Energy Authority) of his/her country for subsequent transmission to the International Atomic Energy Agency (IAEA) either by email to: Official.Mail@iaea.org or by fax to: +43 1 26007 (no hard copies needed). Please also send a copy by email to the Scientific Secretary P.Pyy@iaea.org and to the Administrative Secretary (Email: I.Kovalenko@iaea.org).

Participants who are members of an invited organization can submit this form to their organization for subsequent transmission to the IAEA.

Deadline for receipt by IAEA through official channels: 13 September 2024

Family name(s): (same as in passport)	First name(s): (same as in passport)	Mr/Ms
Institution:		
Full address:		
Tel. (Fax):		
Email:		
Nationality:	Representing following Member State/non-Member State/entity or invited organization:	
If/as applicable: Do you intend to submit a presentation? Yes <input type="checkbox"/> No <input type="checkbox"/>		
Title: I plan to attend virtually: Yes <input type="checkbox"/> No <input type="checkbox"/>		

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. For the InTouch+ platform for registration: Further information can be found in the [Data Processing Notice](#) concerning IAEA InTouch+ platform.

Grant Application Form

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Family name(s): (same as in passport)	First name(s): (same as in passport)	Mr/Ms:
Mailing address:	Tel.:	
	Fax:	
	Email:	
Date of birth (yy/mm/dd):	Nationality:	
I plan to attend virtually:	Yes <input type="checkbox"/> No <input type="checkbox"/>	

1. Education (post-secondary):

Name and place of institution	Field of study	Diploma or Degree	Years attended from	to

2. Recent employment record (starting with your present post):

Name and place of employer/ organization	Title of your position	Type of work	Years worked from	to

3. Description of work performed over the last three years:

4. Institute's/Member State's programme in field of event:

Date: **Signature of applicant:** _____

Date: **Name, signature and stamp of Ministry of Foreign Affairs, Permanent Mission to the IAEA or National Atomic Energy Authority** _____