



# **Interregional Workshop on Codes and Standards, Design Engineering, Testing and Manufacturing of Components Related to SMRs**

**Hosted by**

The Government of Brazil

**through**

Centro de Desenvolvimento da Tecnologia Nuclear (CDTN)

Belo Horizonte, Brazil

**11 to 15 May 2026**

**Ref. No.: ME-INT2025-2506146**

## **Information Sheet**

### **Purpose**

The purpose of the event is to discuss the role of Codes and Standards, Design Engineering, Testing and Manufacturing of Components in the deployment of SMRs.

### **Working Language(s)**

The working language(s) of the event will be **English**.

## **Deadline for Nominations**

Nominations received after **20 March 2026** will not be considered.

## **Project Background**

Small modular reactors (SMRs) are advanced nuclear reactors typically designed to generate electric power up to 300 MWe, the structures, systems and components of which can be fabricated in factories and transported to the installation site, shortening construction duration and reducing cost. Clean energy strategy advocates for the deployment of advanced nuclear reactors as a safe, reliable, flexible and competitive power source. SMRs based on different technologies, along with their various applications, are a promising option for near term and future deployment in Member States. The purpose of the project is to provide broad support to build Member States' capacities for development and deployment of SMRs in the context of a clean energy strategy, as a contribution of nuclear power to the global effort for climate change mitigation. The project will provide a wide range of forums to enable effective capacity building through training and technology transfer on all aspects of SMR development, including siting, design, and technology; engineering, manufacturing, construction, industrial supply chain, commissioning, operation, maintenance, and human resource management; fuel cycle; waste management; decommissioning; economics; financing; energy sustainability, nuclear safety, security and safeguards; emergency preparedness and response arrangements; and legal framework.

## **Scope and Nature**

The event has several specific objectives, which are as follows:

- To disseminate information about the current state of development of SMR technologies and their approach towards Codes and Standards;
- To highlight the role of the supply chain in the early deployment of SMR technologies; and
- To assist Member States considering deployment of SMRs in establishing their national industrial involvement policy and anticipating regulatory frameworks compatible with the industry practices.

The workshop splits in several topical sessions covering the

- Technology holders' considerations on the status and perspectives of the technology development for SMRs and their approach to design engineering and use of codes and standards;
- SMR component manufacturing and testing;
- Good practices on the supply chain management of SMR; and
- Initiatives to foster standardization.

The event will feature presentations from the IAEA, developers of SMRs technologies and stakeholders in the nuclear supply chain with a focus on use of codes and standards, component manufacturing and testing. The hosting organization will provide a technical tour for participants.

In addition, the event will provide opportunities for participants to network and continue sharing information and good practices as well as other potential follow-up tasks and coordinated activities, as appropriate.

## **Participation**

The event is open to 25 participants from the following Member States which participate in the INT/2025 project:

Algeria, Azerbaijan, Brazil, El Salvador, Estonia, Ethiopia, Ghana, Indonesia, Jamaica, Jordan, Kazakhstan, Kenya, Malaysia, Mongolia, Morocco, Myanmar, Niger, Nigeria, Philippines, Rwanda, Senegal, Serbia, Singapore, Sri Lanka, Thailand, Tunisia, Uganda, Zambia.

## Participants' Qualification and Experience

The target audience of this event are those individuals working in Member States' governments, energy planning authority, nuclear energy programme implementing organizations (NEPIOs) or prospective owner/operator organizations, technology developers and regulatory bodies/ potential users, particularly those needing to understand the key issues and challenges associated with SMR.

The activities will be conducted in English and candidates should have sufficient English proficiency to participate in the event without difficulty.

Candidates are requested to provide a summary of how this event will provide direct benefit to their current or future job position.

Accepted participants are advised to read the following references to get the most out of the event:

- INTERNATIONAL ATOMIC ENERGY AGENCY, Advances in Small Modular Reactor Technology Developments — A Supplement to: IAEA Advanced Reactors Information System (ARIS) - 2024 Edition, IAEA, Vienna (2024)
- INTERNATIONAL ATOMIC ENERGY AGENCY, Technology Roadmap for Small Modular Reactor Deployment, IAEA Nuclear Energy Series No. NR-T-1.18, IAEA, Vienna (2021)
- INTERNATIONAL ATOMIC ENERGY AGENCY, IAEA Safety Standards, Specific Safety Requirements No SSR-2/1 (Rev. 1), Vienna (2016)
- INTERNATIONAL ATOMIC ENERGY AGENCY, Procurement Engineering and Supply Chain Guidelines in Support of Operation and Maintenance of Nuclear Facilities, IAEA Nuclear Energy Series No. NP-T-3.21, IAEA, Vienna (2016)
- INTERNATIONAL ATOMIC ENERGY AGENCY, Quality Assurance and Quality Control in Nuclear Facilities and Activities, IAEA-TECDOC-1910, IAEA, Vienna (2020)
- INTERNATIONAL ATOMIC ENERGY AGENCY, Management of Nuclear Power Plant Projects, IAEA Nuclear Energy Series No. NG-T-1.6, IAEA, Vienna (2020)
- INTERNATIONAL ATOMIC ENERGY AGENCY, Challenges and Approaches for Selecting, Assessing and Qualifying Commercial Industrial Digital Instrumentation and Control Equipment for Use in Nuclear Power Plant Applications, IAEA Nuclear Energy Series No. NR-T-3.31, IAEA, Vienna (2020)
- INTERNATIONAL ATOMIC ENERGY AGENCY, Suitability Evaluation of Commercial Grade Products for Use in Nuclear Power Plant Safety Systems, IAEA-TECDOC-2034, IAEA, Vienna (2023)

For more information related to management systems, project management, quality and supply chain management in the nuclear industry throughout the world, please join the [IAEA Network MSCQ](#) (register the NUCLEUS account and request access here: [MSCQ Registration \(iaea.org\)](#)).

# 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. Download and complete the [Designation of Beneficiary and Emergency Contact Form](#), and upload to InTouch+ ('Profile' tab under the personal section) specifying the document name. If already provided, kindly discard this step; and
  - c. Search for the relevant technical cooperation event (EVT2506146) 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](mailto:InTouchPlus.Contact-Point@iaea.org).

Should online application submission not be possible, candidates may download the nomination form for the meeting 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.

## **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 AX Travel Management, or a travel allowance, 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 Brazil, therefore nominated participants who require a visa to enter Brazil should submit the necessary application to the nearest diplomatic or consular representative of Brazil 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.

## IAEA Contacts

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