



IAEA

International Atomic Energy Agency

Atoms for Peace and Development

Technical Meeting on the Application of the IAEA Integrated Nuclear Infrastructure Review Methodology for Small Modular Reactors

Virtual Event

27–30 October 2020

Ref. No.: EVT1904506

Information Sheet

Introduction

A number of embarking countries requested IAEA support on nuclear power infrastructure development in case the option for Small Modular Reactors (SMR) deployment is preferred. While the Agency has a good understanding of the different designs under development and the time schedules for their initial deployment, more information needs to be gathered on the deployment business models offered by SMR technology suppliers; such as:

- Contractual approaches under consideration;
- Support to human resources development;
- Support to localization;
- Support operation and maintenance;
- Fuel supply arrangements;
- Radioactive waste management options and services, etc.

In 2017 a consultancy meeting (CS) was conducted by the IAEA to analyse the applicability of the Milestones approach and the INIR Evaluation Methodology for a Member State interested in an SMR deployment. The result of this analysis, for a subset of SMRs (Integral Pressurized Water Reactors-iPWRs

and High Temperature Gas Cooled Reactors-HTGRs), was that both the Milestones Approach and the INIR Evaluation Methodology can be applied as the infrastructure is based on the same fundamental principles and largely similar. However, some additional guidance and/or specific considerations need to be developed in some areas.

Objectives

Building on the results of the CS conducted in 2017, the objective is to discuss the expectations of countries interested in SMRs in terms of nuclear power infrastructure support. To achieve the objectives, the meeting will include presentations both from countries interested in SMRs and from technology providers followed by discussion sessions.

The meeting will be also used to gather suggestions from Member States on nuclear infrastructure areas requiring additional guidance and/or specific considerations for SMRs.

Target Audience

The target audience are countries interested to build a SMR as part of their energy systems as well as countries developing and offering those technologies.

Working Language(s)

English.

Expected Outputs

A better understanding by countries interested in SMR on the deployment models and support proposed by technology providers.

A better understanding by the Agency on specific aspects of the nuclear power infrastructure for SMRs.

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 **18 September 2020**. 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 above deadline.

Selected participants will be informed in due course on the procedures to be followed with regard to administrative and technical matters.

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