



Virtual Technical Meeting on Using Safety Performance Indicators to Improve the Effectiveness of Nuclear Power Plant Oversight

Virtual Event

11 December 2025

Ref. No.: EVT2404587

Information Sheet

Introduction

The International Atomic Energy Agency (IAEA) continues its efforts to disseminate knowledge on how to continuously improve the operational safety of nuclear facilities. Nuclear safety can be a complex concept to define and measure. Defining an adequate level of nuclear safety is even more complex. However, reasonable assurance that a plant is operating safely is possible if reliable and sufficient data are available and taken into account. The challenge lies in measuring the effectiveness of fundamental operating processes to ensure sustained safety. During this virtual meeting, the IAEA will present the approach developed in the draft of the Safety Report Series "Using Safety Performance Indicators to Improve the Effectiveness of Nuclear Power Plant Oversight".

Objectives

The objective of this technical meeting is to engage with participants from Member States on the approach outlined in the Safety Report Series “Using Safety Performance Indicators to Improve the Effectiveness of Nuclear Power Plant Oversight”. The meeting aims to support Member States in developing or enhancing their own internal and external oversight of nuclear power plants by providing a structured set of Safety Performance Indicators (SPIs), while also providing feedback to the IAEA on this draft document.

The virtual meeting, conducted via Microsoft Teams, will include a presentation of the Safety Report and interactive discussions with participants. These exchanges will help the IAEA refine the content of the document to ensure that it is clear, practical, and applicable in Member States.

The participants are encouraged to actively contribute by sharing their experiences, current practices, and lessons learned through presentations and discussions. This collaborative approach will foster mutual learning and strengthen the overall effectiveness of nuclear safety oversight.

Target Audience

Experts from Member States of nuclear power plant (NPP) operating organizations and regulatory bodies who develop SPIs used to assess operational safety performance of NPPs.

Working Language(s)

English

Topics

The Draft of Safety Report Series “Using Safety Performance Indicators to Improve the Effectiveness of Nuclear Power Plant Oversight” introduces a methodology for establishing and implementing a comprehensive framework of SPIs. This framework is intended for use by both regulatory bodies and licensees. These indicators could serve as the minimum standard for monitoring and assessing safety performance of nuclear installations offering a foundational set of indicators to support the monitoring and assessment of nuclear installation safety performance.

While the report outlines the overall approach, it does not provide a detailed methodology for calculating individual indicators or for aggregating them into strategic-level indicators. This allows regulatory bodies and licensees the flexibility to develop calculation methods to their specific needs and national contexts. It is important to note that licensees and regulators may also adopt additional indicators than those identified in this publication.

The meeting will include discussions of selected examples illustrating how a graded approach can be applied. However, both regulators and licensees are encouraged to adapt the methodology to suit their operational environments and regulatory frameworks, ensuring its relevance and effectiveness across diverse settings.

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 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 **14 November 2025**, 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);
 - 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.

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 technical 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.

Organization

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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.

Event Web Page

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

<https://www.iaea.org/events/evt2404587>