IAEA
International Atomic Energy Agency
Atoms for Peace and Development

Fourth Training Course on the IAEA Safety Standards

IAEA Headquarters
Vienna, Austria

12 - 16 May 2025

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Information Sheet

Introduction

Radiation and radioactive sources have many beneficial applications, ranging from power generation to uses in medicine, industry and agriculture. These uses require regulation to ensure prevention of potential radiation risks to workers, patients, the public and the environment.

One of the statutory mandates of the IAEA is to "establish or adopt, … standards of safety for protection of health and minimization of danger to life and property…, and to provide for the application of these standards to its own operations as well as to the operations making use of materials, services, equipment, facilities, and information made available by the Agency…", as well as "to foster the exchange and training of scientists and experts in the peaceful uses of atomic energy".

The IAEA safety standards reflect an international consensus on what constitutes a high level of safety for protecting people and the environment from harmful effects of ionizing radiation. The safety standards cover all nuclear and radiation applications utilized for peaceful purposes. They have a long history and established structure and there is a comprehensive process for their development and revision. Regulating safety is a national responsibility, and many States have decided to adopt the IAEA safety standards for use in their national regulations. For parties to the various international safety conventions, the IAEA safety standards also provide a consistent, reliable means of ensuring the effective fulfilment of national obligations under the conventions.

The IAEA safety standards are applied by regulatory bodies and operating organizations around the world to enhance the safety of nuclear installations, and of nuclear and radiation applications in medicine, industry, agriculture, and research. Currently a substantial number of Member States with a long history of applying nuclear and radiation technologies are experiencing generational change in their workforce. At the same time, several Member States are currently establishing or enhancing their national nuclear and radiation safety infrastructure. It needs to be ensured that the historical knowledge of how, why and

on which principles the IAEA safety standards are developed and applied in Member States, is effectively transferred to the next generation of employees in organizations involved in use and regulation of nuclear and radiation applications. This will facilitate robust national nuclear and radiation safety infrastructures.

Objectives

The purpose of the training course is to facilitate better understanding and awareness of the IAEA safety standards in IAEA Member States, as well as to enhance the ability of participants to easily access and apply the IAEA safety standards.

The training course provides comprehensive information on the role, history, structure, philosophy and principles of the IAEA safety standards. It provides the overview of the scope covered by the IAEA safety standards and shows how IAEA safety standards should be interpreted for better application at the national level. The training course provides participants with knowledge of how to navigate and find relevant requirements and recommendations on the topics of interests using the IAEA Nuclear Safety and Security Online User Interface (NSS-OUI). The training course also familiarizes participants with how the safety of facilities and activities is reviewed against the IAEA safety standards in IAEA peer reviews and advisory services. This will allow participants to more effectively develop, review, and adopt or otherwise apply the IAEA safety standards, both through IAEA mechanisms and in their national regulatory systems.

Target Audience

The target audience is professionals (both young professionals and middle level managers) working in regulatory bodies, technical support organizations, operating organizations, and other organizations and who are involved in the drafting and review of IAEA safety standards or in the application of IAEA safety standards in their national regulatory systems or in day-to-day operation. It is also aimed at professionals in Member States involved in IAEA peer reviews and advisory services or in national review missions.

Working Language

English

Structure and Learning Outcomes

At the end of the training course, participants should:

- Know the role, history and status of the IAEA safety standards;
- Understand the structure of the IAEA Safety Standards Series and the areas of application for general and specific safety requirements and guides, as well as recommendations and guidance relevant to particular risks and/or facilities and activities;

- Have a clear understanding of terminology used in the IAEA safety standards and be aware of potential differences with the terminology and statement formats used in their national regulatory frameworks;
- Understand the process for developing and revising IAEA safety standards, including mechanisms for Member States involvement;
- Have an overview of the IAEA overarching requirements and corresponding guidance in relation to specific types of facilities and activities covered by the IAEA safety standards;
- Be able to navigate the IAEA safety standards and find the requirements and guidance relevant to a particular facility or activity;
- Be able to find additional technical documents, Safety Reports and other publications relevant to a specific safety area or topic;
- Be familiar with IAEA safety standards translated into and available in other languages;
- Be aware of other standards and regulations relevant for a particular area (e.g. national and regional regulations, guidelines from other international organizations).

Teaching methods:

- Lectures (primarily from the IAEA staff, enhanced by specific presentations from experienced national regulatory representatives, e.g. members of the Commission on Safety Standards or Review Committees);
- Practical group and individual exercises;
- Final examination of the learning progress.

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 **16 February 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);
    - 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 **16 February 2025**.

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.

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, together with the submission of the application, through the InTouch+ platform (https://intouchplus.iaea.org) by **16 February 2025**.

Venue

The event will be held in Room CR-1, Building C of 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: https://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.

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.