



Regional Training Course on Inspection Processes for Medical and Industrial Radiation Facilities

Hosted by

The Government of Republic of Türkiye

Through the

Department of Radiation Practices, Nuclear Regulatory Authority (NDK)

Ankara, Türkiye

16-20 June 2025

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Information Sheet

Purpose

The purpose of this training course is to train the participants on applying IAEA safety standards to regulatory functions focusing on inspections in medical and industrial practices involving the use of radiation sources.

Working Language(s)

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

Deadline for Nominations

Nominations received after **30 April 2025** will not be considered.

Project Background

The TC project RER9158 aims to strengthen the national regulatory infrastructures of participating countries, enabling them to effectively fulfill their regulatory functions to ensure radiation safety in planned and existing exposure situations. The project focuses on protecting workers, the public, and the environment from the hazardous effects of ionizing radiation.

Scope and Nature

This regional training course will equip participants with practical knowledge, training materials, and tools to strengthen their regulatory functions and inspection processes for radiation facilities in the medical and industrial sectors.

Specifically, the course will develop practical skills for implementing the IAEA safety standards GSR Part 1 (Rev. 1), Governmental, Legal, and Regulatory Framework for Safety, which outlines requirements for authorizing and inspecting facilities and activities and for developing regulations and guidance by regulatory bodies. The course will utilize TRS-1002, Notification, Authorization, Inspection and Enforcement for the Safety and Security of Radiation Sources, as its primary reference.

The training will emphasize a process-based approach to regulatory functions, ensuring a systematic and structured application of regulatory requirements.

To facilitate learning, a combination of lectures, practical exercises, case study presentations, and exchanges of national experiences will be used. Additionally, the course will include one or more site visits for mock inspections, allowing participants to gain hands-on experience and refine their inspection skills.

Expected Output(s):

By the end of the training course, participants will:

- Develop practical skills for implementing IAEA safety standards GSR Part 1 (Rev. 1), Governmental, Legal, and Regulatory Framework for Safety and TRS-1002, Notification, Authorization, Inspection and Enforcement for the Safety and Security of Radiation Sources.
- Be better equipped to apply regulatory functions when inspecting medical and industrial facilities involving radiation sources.
- Gain hands-on experience through mock inspections and case studies, enhancing their ability to assess compliance, identify safety issues, and enforce regulatory requirements.
- Exchange best practices and experiences with peers from different regulatory bodies, strengthening regional cooperation and knowledge-sharing in radiation safety oversight.
- Receive training materials and tools to support the effective implementation of inspection procedures within their respective regulatory authorities.

Participation

The Regional Workshop is open to relevant stakeholders from Member States participating in the TC project RER9158. The project counterparts must officially designate the nominees.

Due to practical limitations, the total number of international participants will be limited to **33**. Each Member State is invited to nominate up to two participants, specifying the order of priority.

The event will involve potential radiation exposure in relation to the following practices: inspection of medical and industrial facilities utilizing gamma radioactive sources and machine-generated radiation.

Participants' Qualifications and Experience

The course is intended for technical staff working at regulatory bodies who are directly involved in implementing regulatory functions for radiation protection in medical and industrial facilities.

Participants should be regulators with 1–3 years of direct experience inspecting medical or industrial practices and be familiar with the content of relevant IAEA safety standards.

Participants must be proficient in English to follow lectures and actively engage in discussions and activities without difficulty.

Occupational Exposure to Radiation

This event may involve occupational exposure to radiation. Therefore, candidates are required to duly complete and return the Occupational Exposure History (OEH) form upon applying for the event. The IAEA will provide selected participants in due course with a dosimeter to monitor their occupational exposure during this event.

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 (**EVT2500159**) 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.

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.

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

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.

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