



Regional Workshop on Review on Dosimetry Intercomparison Exercise

Hosted by

The International Atomic Energy Agency

IAEA Headquarters

Vienna and Seibersdorf, Austria

28 September – 02 October 2026

Ref. No.: ME-RER1024-2600656

Information Sheet

Purpose

The purpose of this event is to review the results of the RER1024 regional dosimetry intercomparison exercise and strengthen harmonization of alanine dosimetry practices through technical discussions, laboratory demonstrations and knowledge exchange.

Working Language(s)

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

Deadline for Nominations

Nominations received after **10 July 2026** will not be considered.

Project Background

It is becoming increasingly evident that the environmental challenges facing humanity extend beyond local and regional scales, reaching a continental scope. Consequently, there is a growing demand for economically and technically viable pollution control technologies to address issues arising from gaseous emissions and liquid effluents. Radiation technologists, among other professionals, are actively engaged in the search for such solutions. In recent decades, extensive efforts have been dedicated to harnessing radiation technology for environmental remediation. These endeavours encompass a wide range of applications, including the simultaneous removal of SO_x and NO_x from flue gases, groundwater purification, wastewater treatment, and the hygienization of sewage sludge for agricultural use. Radiation processing has established its significance in diverse domains, spanning polymer modification, medical sterilization, and environmental protection. The IAEA plays a pivotal role in advancing the utilization of radiation processing. The agency facilitates the transfer of radiation processing technologies, encourages the sharing of knowledge and expertise, and fosters the development of a professional network dedicated to environmental protection and the sustainable utilization of resources as well as the quality assurance (QA) of radiation facilities. These endeavours are underpinned by the harmonized and safe implementation of radiation technologies through the RER1024 project.

Scope and Nature

The workshop will comprise presentations from participants, technical review and evaluation of the RER1024 dosimetry intercomparison exercise results, discussions on harmonization of dosimetry practices, and technical demonstrations at the Seibersdorf Laboratories on alanine/EPR dosimetry applications, measurement procedures and data evaluation.

The practical sessions are intended to support technical exchange and operational experience-sharing among participants.

Participation

The workshop is open to RER1024 participating member states. Each country is invited to nominate a maximum of two participants that meets the qualifications as described in the Participants' Qualifications below.

Participants' Qualifications and Experience

The participants should be technical specialists, physicists, chemists, engineers and technicians involved in:

- a) operation and dosimetry of industrial or laboratory scale gamma or electron beam irradiation facilities;
- b) quality assurance and dosimetry activities related to radiation processing applications;
- c) implementation and evaluation of dosimetry systems used in radiation processing facilities.

Experience with radiation processing dosimetry and QA/QC procedures is expected. For this event, the target member states are those involved in RER1024 that were involved in the intercomparison exercise.

Expected Outputs

The expected outputs of the workshop include technical review and evaluation of the RER1024 intercomparison exercise results, strengthened operational knowledge on alanine/EPR dosimetry applications and QA/QC procedures, enhanced harmonization of dosimetry practices among participants, and identification of recommendations for future regional cooperation and capacity building activities.

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 (**EVT2600656**) 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.

Training on Basic Security in the Field (BSITF)

In order to comply with UN system-wide security measures, it is recommended that all meeting participants complete the online security awareness training BSAFE (which replaces BSITF and ASITF), prior to traveling to locations where UN security phases are in effect. The aim of this course is to educate participants on how best to avoid or minimize potential dangers and threats,

and to demonstrate what individuals can do if they find themselves in insecure situations. The course is available online (<https://training.dss.un.org/course/category/6>).

Once an individual has completed the training, he/she must go back to the main training page to receive the certificate. If the button to get the certificate is not immediately visible, please refresh the page. BSAFE is maintained by UNDSS; in case of problems with the system, please contact UNDSS through the "Contact Us" page on the training website (<https://dss.un.org/dssweb/contactus.aspx>).

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