



Regional Meeting on Dosimetry Intercomparison Exercise

Hosted by

The Government of Portugal

through the

Instituto Superior Técnico

Lisbon, Portugal

16 to 20 October 2023

Ref. No.: ME-RER1021-2302299

Information Sheet

Purpose

The purpose of the event is to review the achievements of the project in relation to the two dosimetry intercomparison exercises.

Working Language(s)

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

Deadline for Nominations

Nominations received after 20 August 2023 will not be considered.

Project Background

The purpose of this event is to conduct a dosimetry intercomparison exercise for radiation processing facilities in Europe and to prepare guidelines containing quality control procedures to improve quality control practices. In this event, analyses, and discussions of two intercomparison dosimetry exercises, including calibration procedures supervised by the Technical University of Denmark (Risö), will be conducted.

During the exercise, the gamma and electron beam irradiators irradiate the reference dosimeter with doses selected according to the dosimetry system (1, 5, 15, 25 and 40 kGy) and send the dosimeter to an accredited body for evaluation. A discussion will also be held on the status of preparations for microbiology intercomparison exercises planned for the new project.

Expected Outputs

Increased knowledge of irradiation facility staff in application to their radiation technologies for medical, industrial, agricultural and environmental application, aiming at the selection and calibration of suitable dosimetry systems and their use for radiation process control.

Use of harmonized dosimetry procedures applied during IQ, OQ, PQ and routine process control of various radiation processing applications.

Qualified personnel in the fields of gamma and electron radiation processing dosimetry, capable of performing the required standardized QA/QC procedures.

Qualify the operating staff of irradiation facilities on the preparation, selection, calibration, evaluation and routine use of dosimetry systems for various application fields.

Further experience in performing bi- and multilateral intercomparison exercises.

Scope and Nature

The final goal of the meeting is to guarantee that the involved participants follow a reliable routine dosimetry process control using routine dosimeters. The measurement of the irradiation dose with good accuracy in both gamma and e-beam units is fundamental to guarantee ISO standards required by the industry. The intercomparison exercise will allow to detect, discuss, and correct possible inaccuracies in the dosimetry procedures in gamma and electron radiation processing which can influence the quality of all the procedure. To achieve this goal reference dosimeters were supplied to all the participating Institutions and irradiated to predefined doses (1, 5, 15, 25 and 40 kGy) using the routine dosimetry procedure of each unite. The irradiated dosimeters were returned to an accredited body for evaluation. The results will be compared and the interval of confidence for each one of the participants discussed and if necessary, recommendations issued.

Participation

The meeting is open to Member States taking part in the RER1021 project. A maximum of 2 qualified participants per Member State can be accepted to the meeting, provided that one candidate is deeply involved in the dosimetry intercomparison exercise.

Participants' Qualifications and Experience

The participants should be the counterpart of the project and/or technical specialists, physicists, chemists, technicians in operation and quality management of the radiation processing facility responsible for the dosimetry intercomparison exercise.

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 (EVT2302299) 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 meeting 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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