



RER1017 Regional Training Course on Dosimetry at Electron Beam Facilities

Hosted by

The Government of Russian Federation

through the

Ural Federal University

Ekaterinburg, Russian Federation

4 September 2017 – 8 September 2017

Ref. No.: TN-RER1017-1701579

Information Sheet

A. Purpose

The purpose of the training course is to provide theoretical and practical training in the field of validation and control for electron beam radiation processing providing the background for understanding the requirements of the international standards (especially the ISO 11137) with the focus on the dosimetry aspects on the electron beam irradiation as required by this standard in Installation Qualification (IQ), Operational Qualification (OQ), Performance Qualification (PQ) and Process Control.

B. Working Language(s)

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

C. Deadline for Nominations

Nominations received after 21 July 2017 will not be considered.

D. Scope and Nature

The training course will consist of presentations and practical exercises in electron beam processing and in dosimetry for electron beam radiation applications. In the program participants will work with dosimeters typically used in electron beam irradiation facilities. These dosimeters will be calibrated using in-plant calibration method followed by using them for facility characterization (OQ), for dose mapping of products (PQ), as well as for routine process control as used e.g. for sterilization of medical products at a 10 MeV electron accelerator.

E. Participation

The meeting is open to 16 participants from Member States.

Each country is invited to nominate **one or more participants** who must match the profile described in the corresponding paragraph, indicating the order of priority.

F. Participants' Qualifications and Experience

The participants should be technical specialists (e.g. operators, dosimetrists) with hands-on experience in radiation process control preferably using electron beam facility.

G. Application Procedure

Candidates wishing to apply for this event should complete their applications on the InTouch+ platform (<https://Intouchplus.iaea.org>). Should this not be possible, nominations may be submitted on a [TC Nomination Form for Meetings](#). Applications should contain sufficient information to establish that the nominees have the required qualifications. Completed applications need to be endorsed by the relevant national authority, i.e. the National Liaison Office and submitted through the established official channels.

H. 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 American Express, or a travel grant, or they will be reimbursed travel by car/bus/train in accordance with IAEA rules for non-staff travel.

I. 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.

J. 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.

K. Organization

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Subsequent correspondence on scientific matters should be sent to the Programme Management Officer and correspondence on other matters related to the meeting to the Administrative Contact.