



**IAEA**

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الوكالة الدولية للطاقة الذرية  
国际原子能机构  
International Atomic Energy Agency  
Agence Internationale de l'énergie atomique  
Международное агентство по атомной энергии  
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In reply please refer to: **TN-RER1017-1701579**  
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National Liaison Officer/National Coordinator

2017-07-05

**Subject:** Regional Training Course on Dosimetry at Electron Beam Facilities, Yekaterinburg, Russian Federation from 4 to 8 September 2017

Dear National Liaison Officer/National Coordinator,

I am pleased to inform you that the International Atomic Energy Agency (IAEA) is organizing the above event under the IAEA technical cooperation project RER/1/017 "Using Advanced Radiation Technologies for Materials Processing".

The purpose of the course is to provide theoretical and practical training in the field of validation and control for electron beam radiation processing. The course will provide participants with the necessary background for understanding the requirements of the international standards, especially *Sterilization of health care products — Radiation* (ISO 11137), with a focus on the dosimetry aspects of electron beam irradiation and the requirements laid down in ISO 11137 regarding installation qualification, operational qualification, performance qualification and process control.

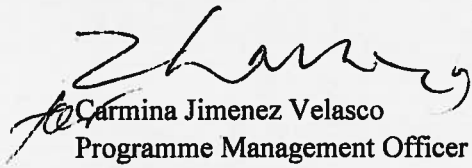
The Information Sheet and Logistical Arrangements available on the IAEA's InTouch+ platform provide further details, including technical and administrative aspects of the course. Selection of participants will be in accordance with IAEA procedures.

The IAEA will provide non-local participants with a round-trip air ticket based on the most direct and economical route between the airport nearest the participant's residence and Yekaterinburg. Travel details will be agreed with the participants upon receipt of their official nomination. Participants will also receive an allowance from the IAEA sufficient to cover their costs of lodging, daily subsistence and miscellaneous expenses for the duration of the course in line with IAEA rules and procedures.

We would appreciate receiving your country's nominations by **28 July 2017** through the IAEA's InTouch+ platform (<https://Intouchplus.iaea.org>). Should this not be possible, applicants may download the Nomination Form for the course from the [IAEA's webpage](#). Completed forms must be endorsed by the relevant government authority and may be sent to the IAEA by email, fax or mail. Please be advised that late nominations or replacements of participants after the closing date for nominations will not be accepted.

We look forward to receiving your early response.

Yours sincerely,

A handwritten signature in black ink, appearing to read 'Carmina', written over the printed name.

**Carmina Jimenez Velasco**  
**Programme Management Officer**  
**Division for Europe**  
**Department of Technical Cooperation**



# **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 – 8 September 2017

Ref. No.: TN-RER1017-1701579

## **Information Sheet**

### **A. Purpose**

The purpose of the course is to provide theoretical and practical training in the field of validation and control for electron beam radiation processing. The course will provide participants with the necessary background for understanding the requirements of the international standards, especially *Sterilization of health care products — Radiation* (ISO 11137), with a focus on the dosimetry aspects of electron beam irradiation and the requirements laid down in ISO 11137 regarding installation qualification, operational qualification, performance qualification 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 28 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.