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International Atomic Energy Agency

Agence internationale de l'énergie atomique

Международное агентство по атомной энергии

Organismo Internacional de Energía Atómica

National Liaison Officer

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In reply please refer to: C7-RER/6/032/004

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2016-12-15

**Subject:** Invitation to a Regional Training Course on QA/QC and Dosimetry in Interventional Radiology, Udine, 17-21 February 2017

Dear National Liaison Officer,

I am pleased to invite you to send nominations of suitable candidates to participate in the above-mentioned training course under the framework of TC Project RER/6/032 – Strengthening Quality Assurance and Quality Control in Diagnostic X rays. The purpose of the training course and related information are outlined in the attached Prospectus.

For candidates, who are selected by the IAEA, the IAEA will cover the cost of return international travel from the home country to Udine, Italy and provide a stipend for the duration of the training course in line with IAEA rules and procedures.

Please submit nominations to the IAEA online through the Technical Cooperation Department's InTouch system (<http://intouch.iaea.org>). Only if this is not possible, nominations may be submitted on the Nomination Form for Training Course available on the IAEA website: <http://www.iaea.org/technicalcooperation/How-to-take-part/train-course/index.html>. Completed forms should be endorsed by relevant national authorities and sent to the Programme Management Officer for this project, Ms Katherina Deufrains (IAEA Official Fax: +43-1-26007 or E-Mail [Official.Mail@iaea.org](mailto:Official.Mail@iaea.org)), through the official channels, i.e. the designated National Liaison Office for IAEA matters, not later than **11 January 2017**.

Yours sincerely,

Martin Krause

Director

Division for Europe

Department of Technical Cooperation

Enclosure: Prospectus

# International Atomic Energy Agency

## Regional Training Course on QA/QC and Dosimetry in Interventional Radiology

### PROSPECTUS

**Project Number & Title:** RER/6/032: Strengthening Quality Assurance and Quality Control in Diagnostic X rays

**Place (City, Country):** Udine, Italy

**Dates:** 17-21 February 2017

**Deadline for Nominations:** 11 January 2017

**Organizers:** The International Atomic Energy Agency (IAEA) in collaboration with the Government of Italy

**Host Country Organizer:** Ms Annalisa Trianni  
SOC Fisica Sanitaria  
Azienda Sanitaria Universitaria Integrata di Udine  
P.le S. Maria della Misericordia, 15  
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**Language:** English

**Purpose:** The objective of this training event (lectures and hand on training) will be to familiarise participants (medical physicists) with the procedures for performing QC tests, dose measurements and analysing the results for high dose interventional radiology. Although the exact programme will be discussed and finalized at a later stage, the course will include:

- Basic physics of the dynamic imaging,
- QC and dosimetry protocols and equipment,
- List of tested parameters and tolerances,
- Frequency of testing,
- Analysis of the result,
- Identification of errors during measurement and malfunctions of the equipment.

**Expected Output(s):** Trained staff (medical physicists) on the QA requirements and dosimetry procedures in interventional radiology

**Scope and Nature:** The course will consist of lectures on basics of imaging equipment, quality control and quality assurance procedures, practical exercises and class discussions.

**Background Information:** Although Diagnostic Radiology is well established throughout the Region, there is a significant shortage of Quality Assurance practices and medical physicists working in the field of Diagnostic and Interventional Radiology. Interventional radiology, as it might include high doses (even reaching the level of deterministic effects), requires special attention and trained professional that can support quality and safety during its practice.  
The main aim of RER/6/032, building on the previous RER/6/028, is to establish the proper basis for quality services in Diagnostic Radiology through the education and training of the associated staff to QA/QC procedures.  
The need for this training course was identified during the Coordination Meeting of the RER/6/028 project, which is the predecessor of RER/6/032.

**Participation:** The training course is open to participants from TCEU Member States participating in the project RER/6/032 on Strengthening Quality Assurance and Quality Control in Diagnostic X rays.

**Participants' Qualifications:** Noting that the scope of the project is related to clinical diagnostic and interventional radiology, and in line with the recommendations of the International Basic Safety Standards, the participant should be a **medical physicist** currently working, or having been recruited to work, in a **diagnostic and/or interventional radiology department**, preferably with some experience in quality and dosimetry practices in interventional radiology.

**This course is not intended for participants working for regulatory authorities or as inspectors.**

As the course will be conducted in English, participants should have sufficient proficiency to deliver and follow lectures and express themselves in this language without difficulty.

**Nomination Procedure:** Please submit nominations to the IAEA online through the Technical Cooperation Department's InTouch system (<http://intouch.iaea.org>). Only if this is not possible, nominations may be submitted on the Nomination Form for Training Course available on the IAEA website: <http://www.iaea.org/technicalcooperation/How-to-take-part/train-course/index.html>. Completed forms should be endorsed by relevant national authorities and sent to the Programme Management Officer for this project, **Ms Katherina DEUFRAINS** (IAEA Official Fax: +43-1-26007 or E-Mail [Official.Mail@iaea.org](mailto:Official.Mail@iaea.org)), through the official channels, i.e. the designated National Liaison Office for IAEA matters, not later than **January 11 2017**. Nominations received after this date or that have not been routed through the established official channels cannot be considered

**Furthermore, please ensure to provide the dose records for the last**

**5 years in the attached form. Failure to do so will be considered as incomplete submission of application, and your nomination form may not be reviewed.**

Completed forms should be endorsed by relevant national authorities and returned to the IAEA through the established official channels, i.e. the designated National Liaison Office for IAEA matters.

**Administrative  
and Financial  
Arrangements:**

Nominating Governments will be informed in due course of the names of the candidates who have been selected and will, at that time, be given full details of the procedures to be followed with regard to administrative and financial matters.

Selected participants from countries eligible to receive technical assistance will be provided with a round trip economy class air ticket from their home countries to **Udine, Italy**, and a stipend sufficient to cover the cost of their accommodation, food, and minor incidentals. Shipment of accumulated training course materials to the participants' home countries is not the responsibility of the IAEA.

The organizers of the training course 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 training course, and it is clearly understood that each Government, in nominating participants, undertakes responsibility for such coverage. Governments would be well advised to take out insurance against these risks.