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国际原子能机构

International Atomic Energy Agency

Agence internationale de l'énergie atomique

Международное агентство по атомной энергии

Organismo Internacional de Energía Atómica

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2016-06-29

**Subject:** Invitation to a Regional Training Course on Quality Assurance (QA) and Quality Control (QC) in Diagnostic Radiology in a Digital Era, Ljubljana, Slovenia from 19-23 September 2016.

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 Ljubljana, Slovenia 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, Mr Asif Salahuddin (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 **15 July 2016**.

Yours sincerely,

Martin Krause

Director

Division for Europe

Department of Technical Cooperation

Enclosures: Prospectus

# International Atomic Energy Agency

## Regional Training Course on Quality Assurance (QA) and Quality Control (QC) in Diagnostic Radiology in a Digital Era

### PROSPECTUS

<b>Project Number &amp; Title:</b>	RER6032: Strengthening Quality Assurance (QA) and Quality Control (QC) in Diagnostic X rays
<b>Place (City, Country):</b>	Ljubljana, Slovenia
<b>Dates:</b>	19-23 September 2016
<b>Deadline for Nominations:</b>	15 July 2016
<b>Organizers:</b>	The International Atomic Energy Agency (IAEA) in collaboration with the Government of Slovenia
<b>Host Country Organizer:</b>	Mr Dejan Zontar Slovenian Radiation Protection Administration Ajdovscina 4 1000 Ljubljana Slovenia  Tel: 00386 1 4788709 Fax: 00386 1 4788715 E-mail: Dejan.Zontar@gov.si
<b>Language:</b>	English
<b>Purpose:</b>	The objective of the course (lectures and hands on training) will be to familiarise participants (medical physicists) with the procedures of testing of modern digital imaging equipment and familiarise participants with the challenges of QC in a digital world. It will include topics such as: <ul style="list-style-type: none"><li>• Physics of digital imaging,</li><li>• Quantitative image analysis,</li><li>• Adapting QC protocols for digital imaging modalities,</li><li>• Structured DICOM images and their use,</li><li>• Images printing and display,</li><li>• Image processing and analysis tools (ImageJ).</li></ul>
<b>Expected Output(s):</b>	Trained staff (medical physicists) on the QA requirements in modern digital diagnostic radiology
<b>Scope and Nature:</b>	The course will consist of lectures on basics of imaging equipment, quality control and quality assurance procedures, practical exercises and class discussions.

<b>Background Information:</b>	<p>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 Radiology. Especially in digital imaging, training in the region is required to build human capacities that can support modern technologies in terms of QA.</p> <p>The main aim of RER6032, building on the previous RER6028 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.</p>
<b>Participation:</b>	<p>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.</p>
<b>Participants' Qualifications:</b>	<p>Noting that the scope of the project is related to clinical diagnostic radiology, and in line with the recommendations of the International Basic Safety Standards, the participant should be a <b>medical physicist currently working, or having been recruited to work, in a diagnostic radiology department.</b></p> <p>In case of lack of appropriate candidate, and after <b>proper justification</b>, a medical physicist working in radiotherapy or nuclear medicine, if there is clear intension to be utilized to initiate QA/QC and/or dosimetry mechanisms and procedures in diagnostic radiology, can also be nominated.</p> <p><b>This course is not intended for participants working for regulatory authorities or as inspectors.</b></p> <p>As the training course will be conducted in English, participants should have sufficient proficiency to deliver and follow lectures and express themselves in this language without difficulty.</p>
<b>Nomination Procedure:</b>	<p>Please submit nominations to the IAEA online through the Technical Cooperation Department's InTouch system (<a href="http://intouch.iaea.org">http://intouch.iaea.org</a>). Only if this is not possible, nominations may be submitted on the Nomination Form for Training Course available on the IAEA website: <a href="http://www.iaea.org/technicalcooperation/How-to-take-part/train-course/index.html">http://www.iaea.org/technicalcooperation/How-to-take-part/train-course/index.html</a>. Completed forms should be endorsed by relevant national authorities and sent to the Programme Management Officer for this project, Asif Salahuddin (IAEA Official Fax: +43-1-26007 or E-Mail <a href="mailto:Official.Mail@iaea.org">Official.Mail@iaea.org</a>), through the official channels, i.e. the designated National Liaison Office for IAEA matters, not later than <b>15 July 2016</b>.</p>
<b>Administrative and Financial Arrangements:</b>	<p>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.</p> <p>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 Ljubljana, Slovenia 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.</p> <p>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.</p>