



RER6042: BUILDING CAPACITIES OF MEDICAL PHYSICISTS IN DIAGNOSTIC RADIOLOGY
TO SUPPORT THE ESTABLISHMENT OF QUALITY MANAGEMENT SYSTEMS, AND
RER9157: STRENGTHENING IMPLEMENTATION OF THE JUSTIFIED AND OPTIMIZED USE OF
IONIZING RADIATION IN MEDICINE

Regional Workshop on Quality Assurance/Control and Safety in Paediatric Radiology

Hosted by

The Government of Kazakhstan

through the

Diagnostic Center, "University Medical Center" Corporate Fund
Astana, Kazakhstan

23-27 June 2025

Ref. No.: ME-RER6042-2501045

Information Sheet

Purpose

The objective of the regional workshop is to discuss and share experience on how to strengthen quality assurance/control and safety in paediatric radiology according to the requirements of the International Basic Safety Standards GSR Part 3 and other relevant IAEA guidelines.

The workshop will be used to share good practices, identify challenge and outline actions for improving quality assurance/control and safety in paediatric radiology aligned with the international standards and guidelines. Due consideration will be given to concept of quality assurance/control and status and roles and responsibilities of medical physicists and other health professionals in paediatric radiology.

In addition, the participants will attend the **11th Eurasian Radiological Forum** and exchange information with other congress participants on quality and safety paediatric radiology.

Working Language(s)

The working language of the event will be **Russian**.

Deadline for Nominations

Nominations received after **29 April 2025** will not be considered.

Scope and Nature

The meeting will consist of two parts.

In the first four days (23-26 June 2025) the participants will attend the Regional Workshop, that shall consist of lectures and practical sessions dedicated to the implementation of quality and safety in paediatric radiology, importance of the teamwork, roles and responsibilities of different professional groups and relevant stakeholders. Specific issues around justification, optimization, role of quality management system relevant regulatory framework will be discussed.

In the last day (27 June 2025) the participant will attend the 11th EURASIAN Radiological Forum and will contribute to the Joint meeting of the IAEA and Radiological Society of Kazakhstan on "Quality and Safety in Paediatric Radiology".

Background Information

A successful implementation of the International Basic Safety Standards GSR Part 3 requirements related to medical uses of ionising radiation is a significant challenge.

A review of the available data revealed many gaps related to the implementation of the GSR Part 3 requirements related to medical uses of ionising radiation.

In spite of heterogenous nature of these gaps due to different healthcare and development levels, the overreaching problem for all member states was lack of medical physicists in the field of diagnostic radiology, affecting also paediatric radiology practice. Development of new technology in different modalities used in paediatric radiology has led to the need for greater involvement of medical physicists in clinical practice. This has been recognized in the International Basic Safety Standards GSR Part 3, according to which a medical physicist working in a clinical environment is "a health professional, with specialist education and training in the concepts and techniques of applying physics in medicine, and competent to practice independently in one or more of the subfields (specialties) of medical physics".

Another common gap is lack of the efficient quality assurance programmes in place. Quality assurance provides framework for quality and safety in paediatric radiology. Its overall success highly depends on proper utilization of resources and involvement of the related health care professions and their professional societies, specialists from health authorities and from regulatory bodies.

The need for discussion in Russian language on these topics has been previously identified, and this workshop will aim to transfer the current knowledge and good practices to relevant professionals and stakeholders in the sub-region.

Participation

The meeting is open to 35 participants from TCEU Member States participating in the projects: RER6042 "Building Capacities of Medical Physicists in Diagnostic Radiology to Support the Establishment of Quality Management Systems" and RER9157 "Strengthening Implementation of the Justified and Optimized Use of Ionizing Radiation in Medicine".

Each country is invited to nominate up to **a maximum of three participants** who must match the profile described in the corresponding paragraph, indicating the order of priority.

Participants' Qualifications and Experience

Participants should be medical professionals performing X ray imaging procedures in children, e.g. radiologists and radiographers, medical physicist, representatives of relevant national professional societies or relevant national authorities with role for radiation protection in diagnostic and international radiology. If more than one participant is nominated, they should represent different bodies and different professional groups relevant to X ray imaging of children.

Nominated participants should be familiar with the current status, issues and plans, and be able to influence the implementation of the formulated actions for strengthening quality and safety in Paediatric Radiology. Preference will be given to candidates from teaching medical centres or similar institutions in position to further disseminate the acquired knowledge to their peers and discussion makers in their respective countries.

The nominations should contain sufficient information to ascertain the nominees have the required qualifications.

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

Applications failing to clarify compliance to the requirements listed above will be automatically rejected.

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.

NOTE: The email used for TALEO and Nucleus must be the same. If not, the candidate's profile will not appear complete.

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 (**EVT2501045**) under the 'My Eligible Events' tab, answer the mandatory questions and lastly submit the application to the required authority.

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.

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.

NOTE: Should online application submission not be possible, candidates may download the nomination form for the meeting from the IAEA website <https://www.iaea.org/services/technical-cooperation-programme/how-to-participate> and submit their applications to their National Authorities. The nomination forms once fully approved can be submitted by e-mail in a PDF format through the official channels via the IAEA Official E-Mail (Official.Mail@iaea.org) with copy to Mr Katukhov (A.Katukhov@iaea.org) and Mr Bru (Y.Bru@iaea.org).

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 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.

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.

Organization

Programme Management Officer (responsible for substantive matters):

Mr Alexey Katukhov, Programme Management Officer
International Atomic Energy Agency
Department of Technical Cooperation
Division for Europe
P.O. Box 100, Vienna International Centre
Wagramer Straße 5, 1400 Vienna, AUSTRIA
Telephone: +43 1 2600 22409
E-mail: A.Katukhov@iaea.org

Scientific Secretary (responsible for technical matters):

Ms Vesna Gershan, Technical Officer:
International Atomic Energy Agency
Department of Nuclear Safety and Security
Division of Radiation, Transport and Waste Safety
Radiation Safety and Monitoring Section
Radiation Protection of Patients Unit
Telephone: +43 1 2600 25803
E-mail: V.Gershan@iaea.org

Ms Olivera Ciraj-Bjelac, Technical Officer:
International Atomic Energy Agency
Department of Nuclear Sciences and Applications
Division of Human Health
Dosimetry and Medical Radiation Physics Section
Telephone: +43 1 2600 26909
E-mail: O.Ciraj-Bjelac@iaea.org

Administrative Contact (responsible for administrative matters):

Mr Yann Bru
International Atomic Energy Agency
Department of Technical Cooperation
Division for Europe
Tel.: +43 1 2600 25804
Email: Y.Bru@iaea.org

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.