



International Atomic Energy Agency

Technical Cooperation Project RAF/9/067

**Postgraduate Educational Course on Radiation Protection
and the Safety of Radiation Sources for English-speaking Countries**

Ref. No.: TN-RAF9067-EVT2003500

INFORMATION SHEET

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| Title: | EVT2003500 - Postgraduate Educational Course in Radiation Protection and the Safety of Radiation Sources (PGEC) for English-speaking Countries. |
| Language | The language instruction is English |
| Place (City, Country): | Accra, Ghana |
| Dates: | 2 November 2020 to 19 March 2021 |
| Organizers: | International Atomic Energy Agency in co-operation with the Government of Ghana through the <i>School of Nuclear and Allied Sciences</i> (SNAS) of the Ghana Atomic Energy Commission (GAEC). |
| Deadline for Nominations: | 07 August 2020 |
| Purpose: | The objective of the IAEA PGEC is to provide foundation training in radiation protection and the safety of radiation sources. It is designed to provide both theoretical and practical training in the multidisciplinary scientific and/or technical bases of international recommendations and standards on radiation protection and their implementation. |
| Expected Output(s): | Enhanced knowledge in radiation protection and safety, in line with relevant IAEA Safety Standards (including the International Basic Safety Standards). |
| Scope and Nature: | The course will consist of lectures, practical exercises, laboratory exercises, demonstrations and technical visits in the field. The course is based on the IAEA Standard Syllabus (Training Course Series 18 (Rev 1), 2019). Topics of the course include: Review of fundamentals; Quantities and measurements; |

Biological effects of ionizing radiation; International system of radiation protection and the regulatory framework; Assessment of external and internal exposures; Planned exposure situations (general requirements; non-medical applications; medical applications,); Emergency exposure situations; Existing exposure situations; Training the trainers; Project assignment.

Participants are expected to carry out a work project to demonstrate their knowledge and skills acquired within the course. The project should be aimed at solving a specific radiation protection problem in their home country and participants are expected to present their project at the end of the course. **Therefore, in the application form, paragraph 9. OBJECTIVES FROM THE GOVERNMENT'S POINT OF VIEW, all the applicants should provide suitable ideas/topics for their work project with a draft title, agreed with their local supervisor.**

Participants are expected to attend all lectures, practical exercises and technical visits, and are required to sit compulsory examinations to assess their knowledge and skills. On-line pre-training will be carried out prior to the start of the course, and written examinations will be held throughout the course. Participants who do not perform well in the examinations may be requested to return home and may be required to reimburse any fees to the IAEA.

Participants' Qualifications:

The participants will be young professionals, **preferably below 35 years of age**. They will have had a formal education to a level equivalent to a university degree in physics, chemistry, life sciences or engineering and should have been selected to work in the field of radiation protection and the safety of radiation sources in their countries. A copy of the academic record shall be attached.

The educational course is open to participants from (25) English-speaking AFRA Member States: *Angola, Botswana, Egypt, Eswatini, Eritrea, Ethiopia, Ghana, Kenya, Lesotho, Liberia, Libya, Malawi, Mauritius, Mozambique, Namibia, Nigeria, Rwanda, Seychelles, Sierra Leone, South Africa, Sudan, Uganda, U.R. Tanzania, Zambia and Zimbabwe.*

Nomination 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.
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. Search for the relevant technical cooperation event (**EVT2003500**) under the 'My Eligible Events' tab, answer the mandatory questions

and lastly submit the application to the required authority.

NOTE: Completed applications need to be approved by the AFRA National Coordinator and submitted to the IAEA through the established official channels by the provided designation deadline.

For additional support on how to apply for an event, please refer to the InTouch+ Help page. [InTouch+ Help page](#). Any issues or queries related to InTouch+ can be addressed to InTouchPlus.Contact-Point@iaea.org.

**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.

**Disclaimer and
Liability:**

The organizers of this 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.