



IAEA

International Atomic Energy Agency

Atoms for Peace and Development

**DEPARTMENT OF NUCLEAR SAFETY AND SECURITY
DIVISION OF RADIATION, TRANSPORT AND WASTE SAFETY**



**EDUCATION AND TRAINING APPRAISAL
IN RADIATION PROTECTION AND THE SAFETY OF RADIATION SOURCES**

TADJIKISTAN

9 to 13 April 2018

APPRAISAL TEAM - PARTICIPANTS

Appraisal Team

Julius Ziliukas	Lithuania (team leader, expert)
Joanne Stewart	United Kingdom (expert)
Andrea Luciani	IAEA (team coordinator)

List of Participants

NRSA

Ilkhom Mirsaidov	Director of NRSA
Matin Akhmedov	Deputy Director of NRSA
Azimjon Barotov	Head of International Department of NRSA
Alimahmad Sufiev	Head of Licensing and inspection department of NRSA
Bakhtiyor Barotov	Head of Scientific and Technical Services Department of NRSA (TSO)
Farkhod Khamidov	Public and patient exposure control section (TSO)
Shohin Murodov	engineer of NRSA
Farzona Muhiddinova	research worker of TSO

Ministry of Health and Social Protection

Saida Umarzoda	First Deputy Minister
Zafar Huseinzoda	Head of State Institution “Republic's Oncological Scientific Center”
Shaydullo Sharipov	Head of Department of Medical Services Organization and New Technologies

Committee of Emergency Situations and Civil Defense

Kamalov Jamshed Jamalovich	Head of Population and Territories Protection Department
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Avicenna Tajik State Medical University

Sharipov Vahob	Head of the Department of Radiation Diagnostics and Therapy
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Tajik National University

Maksudov Barot	Head of the Department of Nuclear Physics, Faculty of Physics
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BACKGROUND

In March 2017 the director of the Nuclear and Radiation Safety Agency (NRSA, the regulatory body), sent a letter to Mr Peter Johnston, Director of the IAEA Division of Radiation, Transport and Waste Safety, requesting to carry out an Education and Training Appraisal mission in radiation protection and the safety of radiation sources (EduTA).

After some preliminary contacts between the Tajik counterpart and the IAEA contact point for the mission, it was agreed to conduct a preparatory mission, held from 5 to 7 December 2017. The objectives of the preparatory mission were: to provide an overview on the scope and objective of the EduTA; to explain how to fill out the EduTA questionnaire and which supporting documents to be provided; to provide advice to identify relevant stakeholders to be involved as secondary counterparts in the full scope EduTA mission; to draft the agenda for the full scope EduTA mission with the national counterpart.

Following the preparatory mission, the questionnaire was sent out to NRSA with the request to fill out the core modules (Modules A on the legal and regulatory framework for education and training, Module B on the national strategy for education and training). Module C, intended to be filled out by organizations conducting the Postgraduate Educational Course in radiation protection and the safety of radiation sources (PGEC) under the auspices of the IAEA, was included (as an option) to provide the counterpart with the opportunity to submit information on any programme available (or going to be established) in Tajikistan at a similar or upper level (postgraduate, master) in areas related to radiation protection and safety.

The questionnaire with the supporting documents was sent back to the IAEA contact point for preliminary assessment prior to the mission being carried out. After consultation with the other members of the EduTA appraisal team, the IAEA contact point provided the Tajik counterpart with guidance and suggestions on how to amend the provided information in order to properly address some of the questions.

The EduTA mission was conducted from 9 to 13 April 2018 under the IAEA Technical Cooperation project TAD/9/007 “Upgrading the National Education and Training Centre on Radiation Safety and Security”.

OBJECTIVES AND TERMS OF REFERENCE OF THE EduTA MISSION

The general objectives of the EduTA are:

- To carry out a detailed appraisal of the status of the provisions for education and training in radiation protection and the safety of radiation sources;
- To identify areas in education and training, where the provisions should be improved to meet (i) the IAEA safety standards, (ii) the national education and training needs;
- To provide the host Member State with recommendations and suggestions for improvement;
- To provide key staff in the host Member State with an opportunity to discuss the legislative framework and the national policy and strategy in the field with the EduTA team members who have experience in the issues at stake;
- To promote the IAEA Standards and Guides relevant to the scope of the appraisal.

In this framework, the terms of reference of this appraisal mission were:

- To review, together with the counterpart, the information provided in Module A, B and C of the EduTA questionnaire on the legal and regulatory framework for education and training in radiation protection and safety, the national strategy for education and training, and the provisions for postgraduate training;

- To provide an opportunity to continuously improve the provisions and overall infrastructure for education and training in radiation protection and safety.

CONDUCT OF THE MISSION

The EduTA mission was conducted according to the agreed mission programme. Representatives from different national stakeholders were met during the mission. The opening session took place on the first day of the mission at the “Regional training centre for prevention of weapons of mass destruction, nuclear non-proliferation, and export control”, for the countries in Central Asia and Caucus, and Afghanistan. The EduTA team was welcomed by Mr Ilkhom Mirsaidov, Director of NRSA, Mr Matin Akhmedov, Deputy Director of NRSA, and other NRSA managers and staff.

Mr Ilkhom Mirsaidov provided an introductory presentation on the regulatory framework of Tajikistan, activities and structure of NRSA’s Technical and Scientific Support Organizations (TSO), and on the progress made towards the establishment of a national strategy for education and training in radiation, transport and waste safety. Mr Bakhtiyor Barotov provided an overview on activities and facilities with use of radiation sources in Tajikistan.

After the presentations, and during the week, the information provided to the EduTA team by the NRSA counterparts prior to the mission was discussed in detail. Clarification on aspects of the questionnaire was provided and additional information was requested where necessary. Additional documents and evidence were provided to the EduTA team.

In accordance with the mission programme, the EduTA team also visited several organizations and institutions relevant to the scope of the mission:

- Regional training centre for prevention of weapons of mass destruction, nuclear non-proliferation, and export control
- NRSA's Technical and Scientific Support Organization
- Ministry of Health and Social Protection (MoH)
- Committee of Emergency Situations and Civil Defence (CES&CD)
- Avicenna Tajik State Medical University
- Tajik National University.

During the visits, the EduTA team had the opportunity to meet and discuss with high government officials, including Ms Saida Umarzoda, First Deputy Minister (Ministry of Health and Social Protection).

On the last day, an exit meeting was held with the NRSA counterpart. The EduTA team leader presented a brief outcome of the assessment. Conclusions, recommendations and suggestions were agreed with the counterpart. An action plan was agreed subsequent to the completion of the mission, identifying the responsible organizations and the time frame for addressing the recommendations.