



IAEA

International Atomic Energy Agency

Atoms for Peace and Development

Technical Meeting on the New Training and Learning Methods to Ensure Competent and Qualified Personnel

IAEA Headquarters, Vienna, Austria
and virtual participation via Cisco Webex

21-25 October 2024

Ref. No.: EVT2303805

Information Sheet

Introduction

A key challenge in the safe, reliable and efficient operation of nuclear facilities is ensuring that all personnel are competent and qualified. This includes management, operations, maintenance, engineering, technical support and the training of personnel. The training and competence of contractor personnel is particularly important, with adequate training on performing under abnormal and emergency conditions being crucial. However, nuclear facilities' objectives of safe, reliable and efficient performance cannot be achieved solely by the quality of equipment and documentation. Sufficient numbers of adequately trained, qualified and motivated personnel, who are able to fulfil their responsibilities and perform their tasks to the required standards, are vital in achieving excellence and in ensuring that the personnel, public, nuclear facility or environment are not exposed to unacceptable risks.

One key factor that determines organizational success and minimizes the operational risks is the continuous development and upskilling of employees. As technology continues to revolutionize industries, it has become increasingly vital for organizations to leverage these advancements to propel their business forward. With cutting edge technologies, such as virtual reality, artificial intelligence, and machine learning, the training has undergone a huge change. This technical meeting focuses into the role of new technologies in organizational employee training and development, highlighting its significance in driving the business growth and strengthening of the operational safety.

Objectives

The purpose of the event is to discuss new trends and developments in learning and training methods and approaches. The outcome of the event will help Member States to integrate good practices related to technology development and new training and learning techniques and tools into the Systematic Approach to Training (SAT) methodology.

Target Audience

The event is targeted at mid- and high-level managers, training staff, personnel of regulatory bodies, human resource and human performance specialists, vendor and contractor managers involved in training, and evaluators and instructors from NPPs, training centres, industry, and universities.

Nuclear industrial associations such as WANO, INPO, NEI, OECD/NEA, Foratom, etc., are also targeted as their activities to support plant operation and management system are closely related to nuclear training and SAT implementation in the nuclear industry.

Participants will be asked to discuss the topics listed below and make presentations on their experience, good practices and lessons learned in developing and achieving good performance in SAT implementation, use of new training tools as well as the needs and challenges faced by their countries. Therefore, they should be knowledgeable and experienced in industry-wide operational practices, rules and regulations, as well as in their implementation with respect to plant operation and management.

Working Language(s)

English.

Expected Outputs

The event will consist of a series of presentations, question and answer sessions, and interactive breakout sessions to discuss common challenges and effective solutions for the SAT and use of new training technologies and methods. The international experts will share their experiences on the latest technological innovations implemented in training activities in the nuclear industry as well as their organizational impact and longer-term benefits from real case examples.

Topics to be discussed include:

1. New technological innovations being implemented in nuclear training, e.g.:
 - Learning management systems platforms;
 - Virtual reality and augmented reality;
 - Artificial intelligence based adaptive learning;
 - Machine learning;

- Microlearning platforms;
 - Blended learning, etc.
2. Benefit of designing and implementing new learning environments;
 3. Value added by new technologies to nuclear training programmes;
 4. Alignment of training needs with other aspects of the management;
 5. Challenges in new training technologies implementation;
 6. Future trends and possibilities in training and development;
 7. Monitoring and evaluating the effectiveness of technology-based training.

Participation and Registration

All persons wishing to participate in the event have to be designated by an IAEA Member State or should be members of organizations that have been invited to attend.

In order to be designated by an IAEA Member State or invited organization, participants are requested to submit their application via the InTouch+ platform (<https://intouchplus.iaea.org>) to the competent national authority (Ministry of Foreign Affairs, Permanent Mission to the IAEA or National Atomic Energy Authority) or organization for onward transmission to the IAEA by **31 May 2024**, following the registration procedure in InTouch+:

1. Access the InTouch+ platform (<https://intouchplus.iaea.org>):
 - Persons with an existing NUCLEUS account can sign in to the platform with their username and password;
 - Persons without an existing NUCLEUS account can register [here](#).
2. Once signed in, prospective participants can use the InTouch+ platform to:
 - Complete or update their personal details under ‘Complete Profile’ and upload the relevant supporting documents;
 - Search for the relevant event under the ‘My Eligible Events’ tab;
 - Select the Member State or invited organization they want to represent from the drop-down menu entitled ‘Designating Authority’ (if an invited organization is not listed, please contact InTouchPlus.Contact-Point@iaea.org);
 - If applicable, indicate whether financial support is requested and complete the relevant information (this is not applicable to participants from invited organizations);
 - Based on the data input, the InTouch+ platform will automatically generate the Participation Form (Form A) and/or the Grant Application Form (Form C);
 - Submit their application.

Once submitted through the InTouch+ platform, the application, together with the auto-generated form(s), will be transmitted automatically to the required authority for approval. If approved, the application, together with the applicable form(s), will automatically be sent to the IAEA through the online platform.

NOTE: The application for financial support should be made, together with the submission of the application, by **31 May 2024**.

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

Selected participants will be informed in due course of the procedures to be followed with regard to administrative and financial matters.

Participants are hereby informed that the personal data they submit will be processed in line with the [Agency's Personal Data and Privacy Policy](#) and is collected solely for the purpose(s) of reviewing and assessing the application and to complete logistical arrangements where required. The IAEA may also use the contact details of Applicants to inform them of the IAEA's scientific and technical publications, or the latest employment opportunities and current open vacancies at the IAEA. These secondary purposes are consistent with the IAEA's mandate. Further information can be found in the [Data Processing Notice](#) concerning IAEA InTouch+ platform.

Expenditures and Grants

No registration fee is charged to participants.

The IAEA is generally not in a position to bear the travel and other costs of participants in the event. The IAEA has, however, limited funds at its disposal to help meet the cost of attendance of certain participants. Upon specific request, such assistance may be offered to normally one participant per country, provided that, in the IAEA's view, the participant will make an important contribution to the event.

The application for financial support should be made, together with the submission of the application, by **31 May 2024**.

Venue

The event will be held at the Vienna International Centre (VIC), where the IAEA's Headquarters are located. Participants must make their own travel and accommodation arrangements.

General information on the VIC and other practical details, such as a list of hotels offering a reduced rate for IAEA participants, are listed on the following IAEA web page:

www.iaea.org/events.

Participants are advised to arrive at Checkpoint 1/Gate 1 of the VIC one hour before the start of the event on the first day in order to allow for timely registration. Participants will need to present an official photo identification document in order to be admitted to the VIC premises.

Visas

Participants who require a visa to enter Austria should submit the necessary application to the nearest diplomatic or consular representative of Austria at least four weeks before they travel to Austria. Since

Austria is a Schengen State, persons requiring a visa will have to apply for a Schengen visa. In States where Austria has no diplomatic mission, visas can be obtained from the consular authority of a Schengen Partner State representing Austria in the country in question.

IAEA Contacts

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Subsequent correspondence on scientific matters should be sent to the Scientific Secretary and correspondence on other matters related to the event to the Administrative Secretary.