



Interregional Training Course on Implementing a Systematic Approach to Training in New Nuclear Power Programmes

Hosted by

The Government of Japan

through the

JAIF International Cooperation Center (JICC)

Tokyo, Ibaraki-ken, and Niigata City, Japan

30 October to 3 November 2023

Ref. No.: TN-INT2021- 2303934

Information Sheet

Purpose

The purpose of the event is to train the participants on the processes and methodology of a systematic approach to training in new nuclear power programmes, providing a basis for establishing and sustaining the quality and reliability of training and qualification for all main categories of personnel in nuclear facility.

Project Background

The nuclear power field, comprising industry, government authorities, regulators, R&D organizations and educational and training institutions, relies on a specialized, highly trained and motivated workforce for its sustainability and continued success. The Systematic Approach to Training (SAT) is recognized as the international best practice for attaining and maintaining the qualification and competence of NPP personnel and for quality assurance of training. Regulatory bodies in a number of countries mandate or strongly recommend the use of SAT based training. Experience has shown that, to attain professional competence, SAT should comprise training to achieve both the necessary technical and human factors competencies.

Working Language(s)

The working language of the event will be English.

Deadline for Nominations

Nominations received after **01 September 2023** will not be considered.

Scope and Nature

This face-to-face event is the second step of a 2-steps approach to deliver the content of the Training Course.

This course builds on the virtual the part that was conducted in the period of 18 – 29 October 2021 focusing the theory of SAT phases presented in 15 Sessions and 4 Case Studies. The main focus of the face-to-face training course will be given to practical experiences i.e. project works, exercises and nuclear facilities visits.

In addition, the training course will provide opportunities for participants to network and continue sharing information and good practices as well as other potential follow-up tasks and coordinated activities, as appropriate.

References:

- Systematic Approach to Training for Nuclear Facility Personnel: Processes, Methodology and Practices (IAEA NE Series No. NG-T-2.8, 2021)
- Nuclear Power Plant Personnel Training and its Evaluation (Technical Reports Series No. 380, 1996)
- Nuclear Engineering Education: A Competence Based Approach to Curricula Development (IAEA NE Series No. NG-T-6.4, 2014)
- Recruitment, Qualification and Training of Personnel for Nuclear Power Plants (IAEA Safety Standards Series No. NS-G-2.8, 2002)
- Organization, Management and Staffing of the Regulatory Body for Safety, (IAEA Safety Standards Series No. GSG-12, 2018)
- Managing Regulatory Body Competence (Safety Reports Series No. 79, 2014) A Methodology to Evaluate the Effectiveness of Training in Nuclear Facilities (IAEA TECDOC-1893, 2019)

Expected outputs

The expected output of the Training Course is to strengthen capacity in the following areas:

- Knowledge about how SAT provides a basis for establishing and sustaining the quality and reliability of training and qualification for all main categories of nuclear facility personnel
- Knowledge about nuclear facility training as part of integrated management system
- Knowledge about relationship between nuclear industry, educational institutions and training systems
- Knowledge of managers and leader's role in training
- Knowledge about training policy
- Knowledge about consultation forums and committees
- Knowledge about SAT phases and process
- Knowledge in SAT applications
- Knowledge in contractor training
- Knowledge in training effectiveness evaluation.

Participation

The event is open to 20 participants from the following Member States participating in the INT 2021:

Argentina, Armenia, Bangladesh, Brazil, Bulgaria, Czech Republic, Egypt, Ghana, Hungary, Iran, Jordan, Kenya, Lithuania, Mexico, Nigeria, Pakistan, Poland, Romania, Saudi Arabia, Slovakia, South Africa, Türkiye, and Uzbekistan

Successful applicants to virtual step (EVT2102299) will be expected to attend the second step of the training in Tokyo. Other new applicants can be selected as additional participants or alternate in a case nomination submitted through the NLOs office and seats available.

Participants' Qualification and Experience

This training course is open to professionals from Member States that have decided to embark on a new nuclear power programme or expand an existing programme. The training course is suitable for personnel from nuclear regulatory bodies, owner/operators, and education and training organizations who will have responsibility for training programmes in their organizations. Candidates are requested to provide a summary of how this training will provide direct benefit to their current or future job position. Individuals who have participated in a similar event in the last three years, should not be nominated to participate in this event.

Participants are encouraged to complete the following IAEA E-Learning Module before joining the course:

- **Systematic Approach to Training**
https://nucleus.iaea.org/sites/connect-members/cbh/publicpages/E_Learning_Modules/06/Content/FrameCookie.htm

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.
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 (EVT2100135) 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 relevant national authority, i.e. the National Liaison Office, and submitted to the IAEA through the established official channels by the provided designation deadline. **All nominations must include a scan of the candidate's first page of passport with photo.**

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.

Should online application submission not be possible, candidates may download the nomination form for the training course from the [IAEA website](#).

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.

Training on Basic Security in the Field (BSITF)

In order to comply with UN system-wide security measures, it is required that all training course participants complete the online security awareness training BSAFE (which replaces BSITF and ASITF), prior to traveling to locations where UN security phases are in effect. The aim of these course is to educate participants on how best to avoid or minimize potential dangers and threats, and to demonstrate what individuals can do if they find themselves in insecure situations. The course is available online (<https://training.dss.un.org/course/category/6>).

Once an individual has completed the training, he/she must go back to the main training page to receive the certificate. If the button to get the certificate is not immediately visible, please refresh the page. BSAFE is maintained by UNDSS; in case of problems with the system, please contact UNDSS through the "Contact Us" page on the training website (<https://dss.un.org/dssweb/contactus.aspx>).

This certificate is compulsory for any IAEA-supported activity and should be submitted, along with the Nomination Form, through the competent authority in your country (NLO). Copies of the certificate should be kept by the candidate for his/her records as the BSAFE certificate does not expire.

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.

NOTE: The event will be hosted by Japan, therefore nominated participants who require a visa to enter Japan should submit the necessary application to the nearest diplomatic or consular representative of Japan as soon as possible.

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.

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