



Interregional Workshop on Self-Evaluation of Infrastructure Development for Nuclear Power Programmes

Vienna, Austria

31 May to 3 June 2022

Ref. No.: TN-INT2021-2201625

Information Sheet

Purpose

The purpose of this Training Course is to build competence and develop practical skills related to the conduct of self-evaluation of the status of national nuclear power infrastructure using the evaluation methodology developed by the IAEA based on its Milestones Approach to initiate and implement a national nuclear power programme. The result of self-evaluation could be used as reference material for the preparation of Integrated Nuclear Infrastructure Review (INIR) missions.

Working Language(s)

The working language of the event will be English.

Deadline for Nominations

Nominations received after 1st of March 2022 will not be considered.

Scope and Nature

The IAEA has developed a methodology for evaluating the status of national nuclear power infrastructure based on the Milestones Approach. This evaluation methodology is used by Member States that would like to understand the situation in the country in terms of legal, institutional and human resource development to meet the requirements of a national nuclear power programme. Based on the results of this evaluation, Member States identifies the areas where further efforts are needed to develop the necessary infrastructure. The self-evaluation is also used as a reference to prepare for IAEA Integrated Nuclear Infrastructure Review (INIR) missions should be country decides to invite such mission. The self-evaluation is covering the enabling environment for nuclear power deployment indispensably of the technology foreseen or chosen.

The Milestones Approach and the evaluation methodology is proved to be applicable to countries expanding their nuclear power programme. South Africa is the first country who conducted a self-evaluation study and hosted an INIR Phase 2 mission in 2013. Since then, an increasing number of expanding countries are conducting or planning to conduct self-evaluation study to identify the infrastructure areas that need particular attention when they initiate and implement their expansion programme. The IAEA encourages the conduct of self-evaluation by countries expanding their nuclear power programmes.

This training course is organized to build competence in Member States to conduct self-evaluation study for the evaluation of the status of their nuclear power infrastructure. During this 5-day Training Course, lectures to explain the evaluation methodology and suggested arrangements for the conduct of self-evaluation study will be given. The training course is designed to be interactive, with exercise sessions designed to enhance participants' understanding in conducting an effective self-evaluation study.

Lectures and exercises will be organized aiming at:

- understanding the evaluation methodology;
- identifying the national organizations to be involved in the self-evaluation;
- organizing the coordination mechanism for the self-evaluation;
- identifying the teams for evaluating each infrastructure issue;
- getting prepared to respond to the conditions of the evaluation methodology;
- understanding the interfaces between the infrastructure issues;
- identifying the teams for reviewing the self-evaluation;
- being capable of identifying gaps and defining actions to address those gaps.

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.

In order to support the initiative to expand the conduct of self-evaluation among expanding countries, the lectures and exercise sessions will focus on the evaluation methodology conditions of Phase 2 with some Phase 3 considerations.

References:

- IAEA Nuclear Energy Series No. NG-G-3.1, Rev. 1, “Milestones in the Development of a National Infrastructure for Nuclear Power”
- IAEA Nuclear Energy Series No. NG-G-3.2, Rev. 1, “Evaluation of the Status of National Nuclear Infrastructure Development”

- IAEA Services Series 34, “Guidelines for Preparing and Conducting an Integrated Nuclear Infrastructure Review (INIR)”
- IAEA TECDOC-1947, “Integrated Nuclear Infrastructure Review (INIR): Ten Years of Lessons Learned”

Expected outputs

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

- Evaluation of status of national nuclear power infrastructure;
- Identifying the organizations to be involved in the self-evaluation;
- Conducting an effective self-evaluation;
- Identifying gaps and developing action plan to address those gaps.

Participation

The event is open to 16 participants from the following Member States participating in the INT/2/021:

Algeria, Argentina, Armenia, Bangladesh, Belarus, Bolivia, Brazil, Bulgaria, Chile, Czech Republic, Egypt, Estonia, Ethiopia, Ghana, Hungary, Indonesia, Iran, Jordan, Kazakhstan, Kenya, Lithuania, Mexico, Morocco, Niger, Nigeria, Pakistan, Philippines, Poland, Romania, Saudi Arabia, Senegal, Slovakia, South Africa, Sri Lanka, Sudan, Thailand, Tunisia, Turkey, UAE, Uganda, Uzbekistan, Zambia.

The priority will be given to nominees from countries expanding their existing nuclear power programme and planning or considering to invite INIR Phase 2 or Phase 3 missions.

Participants’ Qualification and Experience

The target audience of this Training Course are those individuals working in the Nuclear Energy Programme Implementing Organisation, Regulatory Body or Owner/Operator organisation. Individuals who are considered to manage/coordinate the self-evaluation in their respective organizations or in national level will be given priority.

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

- **Implementing a Nuclear Power Programme**
https://nucleus.iaea.org/sites/connect-members/cbh/publicpages/E_Learning_Modules/01/Default.htm
- **Other e-learning modules relevant to the area of the participants can also be accessed in**
[E-learning for Nuclear Newcomers | IAEA](#)

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 (EVT2100540) 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.

Upon notification of their selection by the IAEA, applicants should **IMMEDIATELY** start procedures for their entry visa to Austria.

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.

Programme Management Officer

Mr Jing Zhang
Division for Europe
Department of Technical Cooperation
International Atomic Energy Agency
Vienna International Centre
PO Box 100
1400 VIENNA
AUSTRIA
Tel.: +43 1 2600 26540
Fax: +43 1 26007
Email: J.Zhang@iaea.org

Administrative Contact

Mr Nikita Butakov
Division for Europe
Department of Technical Cooperation
International Atomic Energy Agency
Vienna International Centre
PO Box 100
1400 VIENNA
AUSTRIA
Tel.: +43 1 2600 21058
Fax: +43 1 26007
Email: N.Butakov@iaea.org