



Training Course on Nuclear Supply Chain Management and Procurement

Virtual Event

20 October–22 October 2021

Ref. No.: EVT2101054

Information Sheet

Introduction

Nuclear power plants employ sophisticated engineering to generate electricity and heat for periods of at least 40 to 60 years. Various suppliers provide related products and services for NPP operators, through the life cycle of Nuclear Power Plants (NPPs) in design, manufacture, construction, operation and decommissioning. All suppliers need to comply with well-established requirements and have a sustainable purchasing system for choosing its suppliers.

In recent years, the construction and operation of NPPs have been impacted by significant supply chain related concerns. Use of commercial grade items has increased, and there have been temporary shutdowns of NPPs due to the installation of counterfeit, fraudulent or substandard items. COVID-19 has impacted the whole world including mobility of nuclear suppliers. Effective and efficient oversight of the global nuclear supply chain is a crucial to safety and quality both in nuclear new build and in operating nuclear facilities.

In April 2018, the Standing Advisory Group on Nuclear Energy (SAGNE) recommended that the IAEA should “pursue wider international collaboration to manage and improve interfaces between regulators, technical support organizations, owner/operators and suppliers”. As an example of the above, SAGNE proposed “an online platform or portal for information and resource sharing, such as a Nuclear Supply Chain Toolkit”.

This recommendation has been supported by two Technical Meetings hosted by IAEA in 2017 and 2018. Since 2018, the IAEA has initiated series of consultancy meetings aimed at the development of an online platform for sharing experience in the nuclear supply chain and a related training course. Currently, IAEA has deployed the interactive nuclear supply chain management toolkit that provides information on good practices and lessons learnt in areas of the procurement and quality management to all organizations involved in the life cycle activities of nuclear facilities. Since 2019, the training course on the Nuclear Supply Chain Management and Procurement has been started for all interested organizations by IAEA. This event is a continuation of the IAEA's activities related to the exchange of good practices on the management of nuclear supply chains among Member states.

Objectives

The purpose of the event is to provide in concise information to Member States regarding good practices for the management of procurement and supply chain activities related to the construction, operation and maintenance of nuclear facilities.

Target Audience

The target audience of this training course consists of managers in charge of, or planning to participate in, the development, implementation and improvement of supply chain management within their organizations or overseeing suppliers for nations with established nuclear power programs, or nations at the advanced stage of embarking upon one. Similarly, the following groups would be relevant for participation: early, mid, and late-career staff of the suppliers who are responsible for their supply chain management and sub-suppliers, specialists from regulatory bodies who oversee the review the assessment of operators or suppliers' supply chain management.

Working Language(s)

The event will be conducted in English and Russian.

Expected Outputs

- Improved knowledge of procurement strategy, scenarios and procurement practice.
- Better understanding of the international requirements and guidelines on nuclear supply chain management and procurement.
- Improved knowledge of mechanisms for supplier evaluation and qualification.

- Enhanced networking opportunities among participants.

The course will be assessed on a basis of tests and individual task performance. Participants will be provided with a certificate upon completion subject to satisfactory performance and documented attendance.

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, participants are requested to send the **Participation Form (Form A)** to their competent national authority (e.g., Ministry of Foreign Affairs, Permanent Mission to the IAEA or National Atomic Energy Authority) for onward transmission to the IAEA by **20 September 2021**. Participants who are members of an organization invited to attend are requested to send the Participation Form (Form A) through their organization to the IAEA by above deadline.

Selected participants will be informed in due course on the procedures to be followed with regard to administrative and technical 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. Further information can be found in the [Data Processing Notice](#) concerning IAEA InTouch+ platform.

Additional Information

In September 2019, the “Pilot Course on Nuclear Supply Chain Management and Procurement” was successfully held and course participants expressed great interest in the expansion of the current nuclear supply chain toolkits and future and a regular course on supply chain management.

This short training course will cover on a general level challenges and perspectives of the nuclear supply chain management, good practices for management of procurement and supply chain activities, as well as digitalization of the related activities.

The course will be conducted by the IAEA staff, international experts, and management and technical specialists from the host countries and other countries. The short training programme will include individual work, questions & answers sessions and lectures.

In addition, the course will discuss 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:

- IAEA Nuclear Energy Series NP-T-3.21, “Procurement Engineering and Supply Chain Guidelines in Support of Operation and Maintenance of Nuclear Facilities”;

- IAEA Nuclear Energy Series NP-T-3.26, “Managing Counterfeit and Fraudulent Items in the Nuclear Industry”.
- IAEA TECDOC No. 1910, “Quality Assurance and Quality Control in Nuclear Facilities and Activities”.
- IAEA Nuclear Energy Series NP-T-3.26, “Managing Counterfeit and Fraudulent Items in the Nuclear Industry”.
- IAEA Nuclear Energy Series NG-T-3.4, “Industrial Involvement to Support a National Nuclear Power Programme”.
- IAEA TECDOC No. 1740, “Use of a Graded Approach in the Application of the Management System Requirements for Facilities and Activities”.

Accepted participants will be asked to get acquainted with the following IAEA webinars before joining the course (Introductory Webinars 1-7).

- Nuclear Supply Chain Webinar Series

<https://www.iaea.org/about/organizational-structure/department-of-nuclear-energy/division-of-nuclear-power/nuclear-power-engineering-section/nuclear-supply-chain-webinar-series>

Other training material will be made available to the accepted participants for them to study during the training course in the Info Package to be sent to them.

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

Event Web Page

Please visit the following IAEA web page regularly for new information regarding this event:

www.iaea.org/events/EVT2101054

