

WINS Online International Workshop on *Security Considerations for Nuclear Supply Chain Management* Outline Agenda (14-15 April 2021)

Background

Over the past few decades, the nuclear supply chain has experienced a number of significant changes. As nuclear power plants continue to operate longer than originally planned due to life extension programs, the availability of suitable spare parts has become limited as many of the original manufacturers are no longer in business. In response, facility operators are looking to more readily use commercial grade items – while needing to ensure that they are not counterfeit, fraudulent or suspect items. At the same time, the increasing reliance on digital systems combined with the continued globalization of the IT industry has increased the need to ensure cyber security is maintained throughout the entire supply chain. Additionally, the use of service suppliers, such as contractor personnel and transportation, necessitates the need for procurement processes that consider nuclear security risks. Finally, in countries embarking on nuclear power programs for the first time, there is a desire to localize as much of the supply chain as possible. This too may introduce risks to nuclear safety and security if the necessary qualification and oversight processes are not in place.

DAY 1 – Wednesday, 14th of April, 2021 / 14:30 -17:30 Vienna (Austria) time

Session 1: Introduction of the nuclear supply chain and supply chain security

- Introduction of the nuclear supply chain and recent trends
- Principles of supply chain security
- Counterfeit, fraudulent and suspect items
- Role of regulations in securing the supply chain

Session 1 will be designed to address the following questions:

- How do we establish effective control and oversight of the supply chain?
- What is the role of regulations in supply chain security?
- What are the most effective regulatory approaches in terms of security for a sustainable nuclear supply chain?
- How do we effectively evaluate obsolescence issues and its impact on security?

14:30 – 15:30 Introduction to the interactive session by WINS

Keynote presentation by King Lee from World Nuclear Association WNA (International)

Presentation on regulation by Antonio Pérez from Nuclear Safety Council CSN (Spain)

Presentation on *Counterfeit, fraudulent and suspect items (CFSI)* by Marc Tannenbaum and Allison Read from Electric Power Research Institute EPRI (USA)

15:30 – 16:00 Break-out groups on supply chain segments

16:00 – 16:15 Virtual coffee break – Networking opportunities

Session 2: Cyber security and the supply chain

- Critical cyber or digital assets
- Digitalization of instrumentation and control systems
- Risks related to “off the shelf” IT systems
- Ensuring cyber security throughout the supply chain

Session 2 will be designed to address the following questions:

- Why it is important to assure cybersecurity through the supply chain?
- What are the recommended contractual requirements (i.e. procurement language) for implementing cybersecurity in the supply chain?
- What are assurance activities can the operator take to gain confidence in cybersecurity for suppliers, manufacturers, and vendors in the supply chain?

16:15 – 16:45 **Presentation** on Computer Security in the Nuclear Supply Chain by Trent Nelson IAEA (International)

Presentation on Cybersecurity by Ethel Macasias from Ontario Power Generation OPG (Canada)

16:45 – 17:30 **Panel of experts**

Trent Nelson from the International Atomic Energy Agency (International)

Ethel Macasias from Ontario Power Generation OPG (Canada)

Thea Coughlan and John Pringle from Atomic Weapons Establishment AWE (UK)

Elina Teplinsky from Pillsbury Winthrop Shaw Pittman (US)

DAY 2 - Thursday, 15th of April, 2021 - 14:30 – 17:30 Vienna (Austria) time

Session 3: Security of service suppliers

- Security considerations related to the use of contractor personnel
- Procurement of transportation and logistical services
- Role of management systems to ensure oversight

Session 3 will be designed to address the following questions:

- What are good practices for an effective cooperation between the security department and the procurement office?
- What are the main roles and responsibilities of suppliers within the supply chain?
- How do we provide security expectations to the suppliers? How do we verify that the suppliers are meeting the security expectations?

14:30 – 15:40 **Introduction** to the interactive sessions by WINS

Keynote presentation by Carol Higson from Urenco (UK)

Presentation by Pekka Pyy from Nuclear Power Engineering Section IAEA (International)

Presentation by Cheryl Homer from Nuclear Transport Solutions (UK)

Presentation on *Outline of Procurement Management for Nuclear Material Protection Systems in Japan Atomic Energy Agency (JAEA)* by Hironobu Nakamura from JAEA (Japan)

15:40 – 16:00 Break-out groups

16:00 – 16:15 **Virtual coffee break** – Networking opportunities

Session 4: Embarking and expanding countries and the supply chain

- Industrial involvement and localization of the supply chain
- Qualifying local industries to participate
- Fostering a dialogue between the NPP vendor and local industry

Session 4 will be designed to address the following questions:

- How can we enhance international co-operation to prepare newcomer countries for addressing the security of the supply chain as early as possible?
- What are the main processes performed on items and services required for security-related applications?
- What are the best practices and lessons learned for supply chain management?

16:15 – 16:30 **Presentation** on supply chain at embarking countries by Pauline Mulongo from Nuclear Power and Energy Agency (Kenya)

16:30 – 17:15 **Panel of experts**

Pauline Mulongo from Nuclear Power and Energy Agency (Kenya)

Juan Pablo Ordoñez from INVAP (Argentina)

Andrzej Sidlo from Ministry of Climate and Environment (Poland)

Faisal Mousa Ibrahim Al Bousi from Nawah (UAE)

Closing session: Way forward

17:15 – 17:30 Final remarks