Workshop on Maintaining Effective Security during the Decommissioning of Nuclear Facilities

Vienna, Austria. 20-21 November 2019

Draft Agenda

DAY 1: WEDNESDAY 20 NOVEMBER 2019

09:00 – 09:30   Registration / coffee & tea

OPENING SESSION

09:30 – 09:45   Welcome & opening remarks (Pierre Legoux, WINS)

09:45 – 10:15   Participant introduction and review of expected outcomes (Anna Patterson, Facilitator)

10:15 – 10:45   **Keynote presentation** on *Effective Security During the Decommissioning Process* by Susan Perkins, NEI, USA

10:45 – 11:00   **Plenary and table discussion** to develop a common understanding
- What do we mean by 'effective security during decommissioning'?
- What are the major security risks during decommissioning?
- Why is it important to address this topic?

11:00 – 11:15   Coffee Break

SESSION 1:   **REVIEWING THE DECOMMISSIONING PROCESS**
Key issues:
- ✓ What are the different decommissioning strategies? Who are the key stakeholders?
- ✓ What can be learned from the decommissioning projects that have already been completed?
- ✓ What has been done well? What has been more challenging?

11:15 – 11:45   **Presentation** on *IAEA Considerations on Decommissioning* by Vladimir Michal, Department of Nuclear Energy, IAEA

11:45 – 12:15   **Presentation** on *Decommissioning strategy for Ringhals 1 & 2* by Simon Carroll, Vattenfall, Sweden

12:15 – 13:00   **Group discussion** on key issues and factors
- Who are the main stakeholders involved in the decommissioning process?
- What are the usual challenges to watch for?
- Where does security fit in during the decommissioning process? Is there a "preferred dismantling strategy" from security perspective?

13:00 – 13:45   Lunch

SESSION 2:   **UNDERSTANDING SECURITY RISKS AND CHALLENGES DURING DECOMMISSIONING**
Key issues:
- ✓ What security challenges can arise when decommissioning a nuclear facility?
- ✓ How do different decommissioning strategies impact security requirements?
- ✓ How can security risks and vulnerabilities be minimised at the early stages of a nuclear facility's lifetime?

13:45 – 14:15   **Presentation** on *A National Perspective* by Marco Schraver, ANVS, the Netherlands

14:15 – 14:30	**Presentation** on *Security Concerns for the Decommissioning of Fuel Cycle Facilities* by Allyn Milojevich, CNS, USA
14:30 – 15:00	**Presentation** on *Security Challenges: Reassessing Nuclear Security Requirements and Process Operations Equipment and Structure* by Bill McGlennon, Sellafield, UK
15:00 – 15:30	**Group discussion** about good practices for identifying and addressing security needs as early as possible and to review some key considerations
15:30 – 15:45	Coffee Break

SESSION 3: **DEVELOPING PROPORTIONATE SECURITY REGULATIONS**

Key issues:
- ✓ What regulatory changes might be needed to address decommissioning matters? Should regulators adapt their inspection activities during the decommissioning process?
- ✓ How can necessary security measures be defined for each step of the decommissioning process? Who should define the requirements?
- ✓ How can transitions between stages be managed? Who determines when the security boundaries changes during the decommissioning process?
- ✓ How many regulators are involved (e.g. nuclear regulators, environmental protection agencies, other state agencies)? How do they coordinate with each other?

15:45 – 16:15	**Presentation** on *Commensurate Regulatory Oversight to the Evolving Hazards and Risks* by Steven Bennett, ONR, UK
16:15 – 16:45	**Plenary and table discussion** on best practices for ensuring effective nuclear security regulations during decommissioning
16:45 – 17:15	Wrap-up of the day and review of key findings (Anna Patterson, Facilitator)
17:30	**Workshop cocktail**

DAY 2: THURSDAY 21 NOVEMBER 2019

09:00 – 09:30	Review of Day 1 and introduction of Day 2 (Anna Patterson, Facilitator)

SESSION 4: **ADRESSING SECURITY OPERATIONAL CHALLENGES**

Key issues:
- ✓ What are the main operational security risks? What can be learned from organisations that have already decommissioned their facilities?
- ✓ What are the specific security concerns when organisations are managing or transporting radioactive waste and spent fuel?
- ✓ What are the main interfaces between safety and security during decommissioning? What are good practices for integrating the two?

09:30 – 10:30	**Two presentations** on addressing operation security matters during decommissioning
	▪ Guillermo Martín García, ENRESA, Spain
	▪ Eugenijus Sepetys, SE Ignalina Nuclear Power Plant, Lithuania
10:30 – 10:45	**Plenary and table discussion** to review best practices for periodically reviewing and re-evaluating vulnerabilities and mitigation strategies
10:45 – 11:00	Coffee Break
11:00 – 11:30	**Presentation** on *Transport Matters Related to Decommissioning*, Ben Whittard, INS, UK

11:30 – 11:45	**Plenary and table discussions** to identify and discuss good practices for transport security for both onsite and offsite movements
11:45 – 12:45	**Break-out group discussion** to further explore operational security matters during decommissioning

- What is the role of nuclear material accounting and control? What is the importance of accurate nuclear material measurement?
- What is the magnitude of the insider threat and its impact on the facility?
- Are cyber threats a concern when decommissioning a nuclear facility?

12:45 – 13:30	Lunch
SESSION 5:	**MANAGING CHANGES IN THE WORKFORCE AND ORGANISATIONAL STRUCTURES**

Key issues:

- ✓ How can human resources be organised and managed to meet all security requirements?
- ✓ How can the workforce be motivated to maintain security awareness and a positive nuclear security culture?
- ✓ How do we ensure proper disposal of sensitive information and security-related equipment?

13:30 – 14:00	**Presentation on** *Managing Organisational Changes*, Pekka Pyy, Department of Nuclear Energy, IAEA
14:00 – 15:00	**Panel discussion / break-out groups** to identify the necessary mechanisms and best practices for secure transit—from operation to decommissioning—from the perspective of human resources and stakeholders
15:00 – 15:15	Coffee break

CONCLUSION SESSION

15:15 – 16:15	**Way Forward**

- What are the key lessons that have arisen from this workshop? What are the main take-aways?
- What questions and challenges remain unaddressed?
- How can we ensure an effective follow-up to the key findings?

16:15 – 16:30	**Workshop evaluation and closing remarks**
16:30	**END OF THE WORKSHOP**