

# ***Managing Nuclear Safety and Nuclear Security Interfaces at Nuclear Facilities: Learning from Operational Experience***

(16–18 November 2021. Live online sessions between 14:00 – 17:15 CET, each day)

## *Initial Agenda*

### **DAY 1 – TUESDAY 16 NOVEMBER 2021**

**14:00      OPENING SESSION**

Welcome remarks and workshop objectives (Lars van Dassen, WINS)

Agenda and practicalities (Helene Jewell, workshop Facilitator)

**14:15      SESSION I – WHY AN EFFECTIVE MANAGEMENT OF NUCLEAR SAFETY AND SECURITY INTERFACES IS IMPORTANT**

Key issues:

- What are the interfaces between nuclear safety and nuclear security?
- What are the benefits of strengthened coordination and the risks of potential gaps?
- What are international recommendations for effectively managing these interfaces?

**Presentation** on identifying nuclear safety and nuclear security interfaces and review the benefits of a strengthened coordination (Mehl Douglas, NNR, South Africa)

**14:45      Plenary discussion**

- Why do we need to take this topic seriously?
- What are the expected benefits for operators of a better coordination between safety and security?
- Where do we stand today? What are the remaining challenges?

**15:00      Review** of international recommendations and guidance (Kristof Horvath, IAEA NSNS)

**15:30      Break**

**15:45      SESSION II – NATIONAL APPROACHES TO MANAGING NUCLEAR SAFETY AND SECURITY INTERFACES**

Key issues:

- What are some examples of national practices for addressing this topic? What are the differences and/or similarities between these examples?
- What are best practices for establishing a national framework on effectively managing safety and security interfaces?
- What are the challenges that remain?

**16:15      Presentation and discussion** on national approaches for managing nuclear safety and nuclear security interfaces (Tapani Honkamaa, STUK, Finland and Luiz Fernando Bloomfield Torres CNEN, Brazil)

**16:45      Discussion** to further explore the role of regulations and regulators in establishing a framework supporting the effective management of safety/security interfaces (Stephanie Morrow, NRC, USA)

**17:15      End of Day 1**



## DAY 2 – WEDNESDAY 17 NOVEMBER 2021

- 14:00 Summary of Day 1 and agenda of Day 2 (Helene Jewell)
- 14:15 **SESSION III – NUCLEAR OPERATOR EXPERIENCES IN MANAGING NUCLEAR SAFETY AND SECURITY INTERFACES**
- Key issues:
- What can we learn from those who are managing safety/security interfaces at nuclear facilities?
  - What works well? What are the challenges that remain?
  - How can we ensure the sharing of experience and lessons learned?
- Discussion** on helping operators having a discussion on safety and security interface
- 14:30 **Presentation** on a nuclear operator experience in managing nuclear safety and security interfaces (**Ms Mari Lahti, Posiva, Finland**)
- 15:00 **Dialogue with Hasan Shurafa, Nawah, UAE** on organisational arrangements and mechanisms in place at a NPP to ensure safety and security coordination and an effective interface management
- 15:15 **Panel of experts** to share further operator perspectives (**Florence Bloise, CEA, France and Houda Abbassi, CNESTEN, Morocco**)
- 15:45 Break
- 16:00 **Parallel Break-out groups** to explore specific areas of safety and security collaboration and share good practices to ensure enhanced collaboration between those in safety and security.
1. Sabotage prevention (**Commie Byrum, ORNL, USA**)
  2. Emergency preparedness and response, including joint exercises (**Neil Carrick, Sellafield, UK**)
  3. Cyber security aspects of safety/security interfaces (**Nick Howart, ANSTO, Australia**)
- 16:45 Debriefing of the working groups
- 17:15 **End of Day 2**

## DAY 3 – THURSDAY 18 NOVEMBER 2021

- 14:00 Summary of Day 2 and agenda of Day 3 (Helene Jewell)
- 14:15 **SESSION IV – STRENGTHENING THE COORDINATION BETWEEN NUCLEAR SAFETY AND NUCLEAR SECURITY**
- Key issues:
- What are prerequisites and possible mechanisms for supporting enhanced coordination?
  - How can we facilitate mutual learning and transparent interactions?
  - What is the role of culture? What is the role of education and training?
  - How do we assess the level of coordination?
- Break-out groups** on coordination gaps and prerequisites to effective coordination
- What have we learnt so far?
  - Where do we see room for improvements?



- 14:30 **Presentation** on addressing nuclear safety and security interfaces starting at the design phase (**Nestor de Lorenzo, INVAP, Argentina**)
- 15:00 **Dialogue** with an aviation expert to reflect on Day 1 and Day 2 and to gain an aviation perspective (**Erin Bidwell, Lam Lha**)
- 15:30 Break
- 15:45 **Presentation** on Safety and Security Cultures: the challenges and opportunities of bringing them together (**Russ Clark, US DOE and Lars Axelsson, SSM, Sweden**)
- 16:00 **Discussion**
- What lessons learned from the development of safety culture are most relevant to the development of security culture?.
  - What concrete actions can an organization take to develop and integrate the nuclear safety and the nuclear security cultures?
  - What are some specific considerations for countries embarking on new nuclear power programmes when developing an initial safety and security culture?
- 16:30 **CONCLUSION SESSION**
- Gap analysis and next steps**
- What could be our take-aways from this event? One action for yourself and one for your organisation!
  - What are the resources available? Are we taking advantage of them? What role could international and regional programmes play in capacity building assistance?
- 17:00 **Evaluation of the workshop**
- Closing remarks**
- 17:15 **End of the Event**