

# WINS Online International Workshop on *Security Considerations for New Build/New Entrants*

Agenda (01 – 18 June 2020)

## Background

WINS is organising an online international workshop to review all security matters related to establishing a nuclear security programme for countries embarking into nuclear power. Although WINS has considerable experience with online platforms such as webinars, this is the first WINS workshop to be conducted completely online.

This event will be designed around presentations from international experts and leading thinkers on the topic and will build upon IAEA Nuclear Energy Series NG-G-3.1 on *Milestones in the Development of a National Infrastructure for Nuclear Power*, specifically issue #15 “Nuclear Security” and the IAEA Nuclear Security Series Guide NSS 19 on *Establishing the Nuclear Security Infrastructure for a Nuclear Power Programme*. Additionally, WINS has invited guest speakers from newcomer countries that will represent the three phases to establish a nuclear power programme.

This online event will be made of a series of on-demand activities (pre-recorded) released between the 1<sup>st</sup> and 15<sup>th</sup> of June 2020 and of a live-session on June 18<sup>th</sup>, 2020 to review with selected experts the key elements of the topic.

The on-demand elements will include:

- Podcasts (expected duration: 20-30 minutes)
- Recorded PowerPoint presentations (expected duration: 30-45 minutes)
- Webinars or video interviews (expected duration: 30-60 minutes)

A Podcast introducing the workshop and its delivery process has been released on May 18<sup>th</sup>, 2020. To listen to the Podcast, please click visit the website page [here](#). The Podcast explains why WINS is organising this workshop on-line, describes the structure of the on-demand and online sessions and provides more information on the registration process. Frequently Asked Questions for WINS online workshop can be found [here](#).

----- ON DEMAND -----

## INTRODUCTION SESSION

**Expected Release date:** June 1<sup>st</sup>, 2020

### **Objectives:**

The session will be designed to provide an overarching introduction to the workshop and to answer the following questions:

- What are the key international organisations involved in building a nuclear power programme?
- What are the roles and responsibilities of the World Institute for Nuclear Security (WINS), the International Atomic Energy Agency (IAEA) and the World Association of Nuclear Operators (WANO)?
- What are the individual phases, milestones, infrastructures issues when developing a national infrastructure for a nuclear power programme?

### **Content:**

- ✓ **Introduction webinar** by Álvaro Acevedo and Bettina Lock (WINS) and Carl Reynolds, event moderator
- ✓ **Online presentation** on the role of WINS by Rhonda Evans, WINS Head of Engagement
- ✓ **Webinar** on the role of IAEA by Milko Kovachev and Kristóf Horváth, IAEA
- ✓ **Online presentation** on the role of WANO and the New Unit Assistance by Alex Polyakov

## SECURITY CONSIDERATIONS FOR NEW ENTRANTS

### Session 1: Addressing integrated nuclear security policies and strategies

**Expected Release date: June 3<sup>rd</sup>, 2020**

**Objectives:**

Session 1 will be designed to answer the following questions:

- What are the best practices to address effective nuclear security policies and strategies at the national level?
- What are the lessons learned when implementing security policies and strategies in terms of optimising financial resources and responsibilities to ensure the infrastructures in place?
- What are the challenges of implement a turn-key project within the national security infrastructures?

**Content:**

- ✓ **Online presentation** by Joe Rivers, International Nuclear Expert, USA
- ✓ **Online presentation** by Chigoziri Oge Nwakanma, Nigerian Atomic Energy Commission (NAEC), Nigeria

### Session 2: Legal and regulatory framework

**Expected Release date: June 5<sup>th</sup>, 2020**

**Objectives:**

Session 2 will be designed to answer the following questions:

- What are the main challenges when establishing a legal and regulatory framework for nuclear security?
- What is the most effective process to stablish a knowledgeable and independent nuclear regulatory body with responsibility for nuclear security?
- How are roles and responsibilities for security defined among different national stakeholders? How are these typically coordinated at the national level?

**Content:**

- ✓ **Online presentation** by Jonathan Herbach, Office of Legal Affairs, International Atomic Energy Agency (IAEA)
- ✓ **Online presentation** by Sara Rashad Al Saadi, Federal Authority for Nuclear Regulation (FANR), UAE

### Session 3: Understanding effective nuclear security infrastructures – Part I: Risks and challenges

**Expected Release date: June 8<sup>th</sup>, 2020**

**Objectives:**

Session 3 will be designed to answer the following questions:

- Does embarking on a nuclear power programmer pose any challenges for the national security regime in whose country the reactors are built?
- What are the most appropriate mechanisms to effectively integrate a nuclear power station into an existing critical infrastructures protection regime?
- How does a newcomer think about spent fuel material and effectively addressing the decommissioning process from a security perspective?

**Content:**

- ✓ **Online presentation** by Ayadh Alzyoud, Jordan Atomic Energy Commission (JAEC), Jordan
- ✓ **Online presentation** by Ben Whittard, International Nuclear Services (INS), UK

## Session 4: Understanding effective nuclear security infrastructures – Part II: common measures and considerations for effective programmes

**Expected Release date:** June 10<sup>th</sup>, 2020

### **Objectives:**

Session 4 will be designed to answer the following questions:

- What are the main advantages of security by design? What are the requirements to effectively apply security by design?
- What interfaces does security have with other disciplines? What are the best practices to address an integrated approach to security and its interfaces with safety?
- What are the interfaces between security and nuclear material accounting and control at facilities?

### **Content:**

- ✓ **Online presentation** on Security by Design by Riyaz Natha, Sandia National Laboratories (SNL), USA
- ✓ **Online presentation** Case study on Security by Design by Adrian Prior, Frazer-Nash Consultancy, UK

## Session 5: Capacity building

**Expected Release date:** June 12<sup>th</sup>, 2020

### **Objectives:**

Session 5 will be designed to answer the following questions:

- What are the key human resources arrangements for nuclear security that need to be developed in terms of management, capacity building and training in relation to nuclear security?
- How can newcomers benefit from international cooperation and assistance?
- What are the main lessons learned?

### **Content:**

- ✓ **Online presentation** by Matt Van Sickle, International Nuclear Project Consultant
- ✓ **Online presentation** by Chesire Edwin from Kenya Nuclear Electricity Board (KNEB), Kenya

## The journey of developing a nuclear national infrastructure for nuclear power: nuclear security issues

**Expected Release date:** June 15<sup>th</sup>, 2020

### **Objectives:**

The session will be designed to answer the following questions:

- What has been the biggest challenge(s) in the last 5 years and how are countries trying to solve it? What remains challenging and why?
- What are the top main recommendations for countries willing to embark into nuclear energy?
- What are the implications for stakeholder engagement and communications within the state in terms of security?
- What are the best practices to develop effective synergies between the Government, the Regulatory Body and the Owner/Operator?

### **Content:**

- ✓ **Webinar** on Lessons learned and best practices: International and countries perspectives
  - Dr. Mohammed Dwidar, First Deputy of Project Manager, Nuclear Power Plants Authority (NPPA), Egypt.
  - Liliya Dulinets, Ministry of Energy, Belarus

- Stephen Yamoah, Ghana Atomic Energy Commission, Ghana
- Paulina Gizowska , National Atomic Energy Agency, Poland

----- LIVE -----

## Online live session

**Expected Release date: June 18<sup>th</sup>, 2020**

**Objectives:** This session will include live interaction with the attendees to further discuss the topics covered by the on-demand sessions. This session will include virtual plenary and table discussions, break-out groups, quizzes.

**Content:**

- ✓ Welcome remarks
- ✓ Session 1: Addressing Integrated Nuclear Security Policies and Strategies
- ✓ Session 2: Legal and Regulatory Framework
- ✓ Session 3: Understanding Effective Nuclear Security Infrastructures I: Risks and Challenges
- ✓ Session 4: Understanding Effective Nuclear Security Infrastructures II: Common Measures and Considerations for Effective Programmes
- ✓ Session 5: Capacity Building
- ✓ Virtual Networking Opportunities