

# THE SECURITY OF GAMMA IRRADIATION FACILITIES USED FOR INDUSTRIAL AND RESEARCH IRRADIATION AND STERILIZATION

VANCOUVER, CANADA – 11<sup>TH</sup> NOVEMBER 2016

## PRELIMINARY AGENDA

### FRIDAY – 11<sup>th</sup> NOVEMBER 2016

08:30 – 09:00 **Registration**

#### **INTRODUCTION SESSION**

09:00 – 09:15 **Opening Remarks**  
*By IIA and WINS*

09:15 – 09:30 **Objectives of the Workshop, Agenda Review, and Participants' Introduction and Expectations**  
*By Mr. Carl Reynolds (WINS Facilitator), United Kingdom*

#### **SESSION I: DEVELOPING A COMMON UNDERSTANDING**

Key issues:

- ✓ Why is source security important? What are the different options to reduce the risk?
- ✓ What are the credible threats to sources and in particular to industrial irradiators?
- ✓ What are the usual vulnerabilities and what is the role of various stakeholders (manufacturers, customers, regulators...) in mitigating them?

09:30 – 10:00 **Presentation on Credible Threats, Potential Vulnerabilities and the Role and Responsibilities of Stakeholders Involved in the Security of Irradiation Facilities**

10:00 – 10:30 **Plenary and Table Discussion** on security challenges faced by gamma irradiation facilities

10:30 – 10:45 **Coffee Break**

#### **SESSION II: DESIGNING AND IMPLEMENTING OPERATIONAL SECURITY MEASURES AT GAMMA IRRADIATION FACILITIES**

Key issues:

- ✓ What are the applicable security requirements and performance objectives?
- ✓ What can we learn from those who have strengthened the security of gamma irradiators?
- ✓ What are the best practices for protecting such facilities?

10:45 – 11:15 **Presentation on Regulatory Requirements for the Security of Gamma Irradiation Facilities**

11:15 – 11:45 **Presentation on how to Implement Security Measures for Gamma Irradiation facilities**

11:45 – 12:30: Panel and **Group Discussion** on regulatory experiences and lessons learned from implementing security measures at Gamma Irradiation facilities

12:30 – 13:00 **Lunch**

#### **SESSION III: ADDRESSING THE INSIDER THREAT**

Key issues:

- ✓ What do we mean by insiders?
- ✓ What are their specific characteristics and attributes?
- ✓ What are effective insider mitigation measures?

13:00 – 13:30 **Presentation on the Insider Threat and Examples of Scenarios at Gamma Irradiation Facilities**

13:30 – 14:00 **Plenary and Table Discussion** to review options to improve detection and delay opportunities, in particular against insiders

## **SESSION IV: IMPLEMENTING SECURITY BY DESIGN AT GAMMA IRRADIATION FACILITIES**

Key issues:

- ✓ What are the options to increase their security by design?
- ✓ What are the main challenges and barriers to implementing security by design?
- ✓ What are the incentives for improving security by design and what is the impact of modified design on cost and operation?

14:00 – 14:30 **Presentation on Design Characteristics of Gamma Irradiation Facilities and On-going Efforts to Improve their Security by Design**

14:30 – 15:00 **Breakout Groups to Discuss:**

- Main barriers to implementing security by design and potential options to overcome them;
- Whose responsibility and role is it to promote, develop and adopt procedures for improving the design of high activity devices; and what actions are currently underway?
- Incentives to support hardening programmes.

15:00 – 15:15 Coffee Break

## **SESSION V: CONCLUSION AND NEXT STEPS**

15:15 – 15:45 **Group Discussion** on the way forward:

- What are the key outcomes of this workshop?
- What are challenges and obstacles?
- What actions should we take to strengthen the security of industrial irradiators?

15:45 – 16:00 **Evaluation of Workshop (Facilitator)**

**Closing Remarks (WINS and iia)**

**END OF WORKSHOP**