WINS International Workshop on the Security of Radioactive Sources Used in Industrial Radiography and Well-Logging Applications

Mexico City, Mexico

Wednesday 23 October 2019

Draft Agenda

OBJECTIVES OF THE WORKSHOP

- To better understand the radiological security risks associated with the use of radioactive sources in industrial radiography and well-logging applications;
- To listen to the experiences and lessons learned by those who are protecting these sources and identify the best security practices already implemented by industrial radiography and oil service companies;
- To identify the key elements of an effective security programme for the security of industrial radiography and well-logging radioactive sources in operational use;
- To review the security arrangements for industrial radiography and well-logging radioactive sources in transit between storage locations and work fields, and specifically discuss the opportunities and challenges in tracking and monitoring such movements;
- To provide guidance on how a security programme can properly integrate people, procedures, and security technology;
- To identify best practices for ensuring an effective security incident response, especially at remote locations and during transport operations.

AGENDA

08:30 – 09:00 Registration / Coffee & Tea

OPENING SESSION

09:00 – 09:45 Welcome remarks, objectives of the workshop, participants introductions and expectations

SESSION I: UNDERSTANDING THE SECURITY NEEDS FOR INDUSTRIAL RADIOGRAPHY AND WELL-LOGGING RADIOACTIVE SOURCES

Key issues:

- Why can radioactive sources used in industrial radiography or well logging applications be attractive to people with malicious intent? What are the credible threats to these sources?
- How significant would be the consequences of a malicious use of these sources?
- What are the similarities and differences for the security of industrial radiography and oil well logging sources?

09:45 – 10:10 **Presentation** on threats to radioactive sources in industrial radiography and well-logging applications and consequences of a malicious act involving them

10:10 – 10:30 **Plenary and table discussion:** how credible is the threat? Do we have examples of incidents involving these sources? What threats should be considered for the design of security systems? What could be the vulnerabilities during the life cycle of these sources?

10:30 – 10:45 Coffee Break

SESSION II:	**SHARING EXPERIENCES AND LESSONS LEARNT IN DESIGNING AND IMPLEMENTING SECURITY PROGRAMMES** Key issues: ▪ What are the roles and responsibilities of industrial radiography and oil and service companies, regulators and other State agencies in ensuring effective security of radioactive sources? ▪ What are the lessons learned from people who are implementing security measures at main storage places, during transport operations and work fields? ▪ How can radioactive source security be achieved without significantly impacting operations and budget? What options do we have for reducing the security risk?
10:45 – 11:15	**Presentation** on regulatory requirements for the security of industrial radiography and well-logging radioactive sources
11:15 – 11:45	**Table discussion** — Who are the main stakeholders involved in the security of industrial radiography and well-logging radioactive sources? — What are their respective roles and responsibilities? — How effective is their contribution to security?
11:45 – 12:30	**Presentation and discussion** on designing and implementing security measures for industrial radiography and well-logging radioactive sources
12:30 – 13:30	Lunch
13:30- 14:00	**Presentation and discussion** on options for permanently reducing the risks and the role of alternative technologies in risk reduction.
SESSION III:	**ENHANCING SECURITY ARRANGEMENTS DURING ALL OPERATIONAL PHASES OPERATIONS** Key issues: ▪ What are the lessons learned from people who are implementing security measures during transport of sources between storage facilities and field locations? What are we good at? What still requires improvement? ▪ What is the role of tracking and monitoring equipment and other technologies in improving the security of radioactive sources? ▪ How can we effectively integrate people, procedures, and security technology
14:00 – 14:45	**Break out groups** to discuss security arrangements and identify possible improvements for sources in storage at home-bases or in use and storage at work fields
14:45 – 15:30	**Presentation and discussion** on opportunities and challenges in tracking and monitoring radioactive sources during transit
15:30 – 15:45	Coffee break
SESSION IV:	**RESPONDING TO A SECURITY INCIDENT INVOLVING INDUSTRIAL RADIOGRAPHY AND WELL-LOGGING RADIOACTIVE SOURCES** Key issues: ▪ What are the prerequisites to effective response arrangements? ▪ How can we better involve law enforcement authorities in the security of radioactive sources? ▪ How can we overcome the problem of providing a timely response to security incidents?

15:45 – 16:15	**Presentation** on responding to a security incident involving mobile radioactive sources
16:15 – 16:45	**Plenary and table discussion** — To identify the usual challenges to an effective security response, especially at remote locations and during transport — To review the role of security drills and exercises, and share practical experience implementing them — To propose options to better engage with law enforcement agencies

CONCLUSION SESSION

16:45- 17:15	Key findings of the day – Main take aways
17:15 – 17:30	Evaluation of the workshop; Closing remarks

END OF THE WORKSHOP

17:30	Further opportunity to engage with technology suppliers