



World Institute for
Nuclear Security

WINS: Update and Workshop Objectives

**Roger Howsley
Executive Director**

Vienna, 12th February 2018

Welcome to the Workshop!

Bruce Power™ Announcement

INTERNATIONAL EVENT ON INCIDENT PLANNING AND EMERGENCY RESPONSE

WINS

Where: Vienna, Austria
Venue: Wolke 19
When: 12 - 15 February 2018

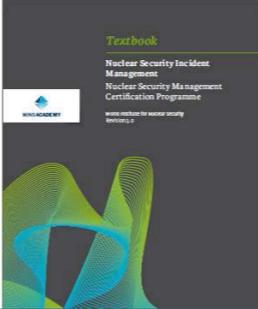
The World Institute for Nuclear Security and Bruce Power (Canada) are pleased to announce their second international event addressing nuclear emergency planning, exercises, security incident management, and achieving excellence in implementation.



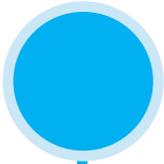
INTRODUCTION

Planning for and managing the response to major security incidents at nuclear facilities can be extremely challenging if the wrong approach is used. How are command, control and communication among different departments or organisations best designed and implemented? Why is interoperability important? What happens if it fails? Who has the controlling mind for nuclear safety and security? What are some common challenges in managing this critical interface? What specialised safety training do armed response forces require in order to discharge their responsibilities without compromising nuclear safety?

Participants will take part in a fast-moving security scenario where they can test their knowledge and decision making. Those enrolled on the WINS Academy course will have the opportunity to take the examination immediately after the event has finished.



Outline

-  **WINS Update**
-  **The WINS Academy**
-  **Workshop Objectives**

Political Commitment to Improve Nuclear Security



Industry Support for Professional Training

JOINT STATEMENT OF THE 2014 NUCLEAR INDUSTRY SUMMIT

Amsterdam - March 23-24, 2014

Beurs van Berlage



“Ensuring that all personnel with accountabilities for security are demonstrably competent by establishing appropriate standards for selection, training, and certification of staff”

IAEA INFCIRC/869; 35 Signatories

Joint Statement

The following States: Algeria, Armenia, Australia, Belgium, Canada, Chile, Czech Republic, Denmark, Finland, France, Georgia, Germany, Hungary, Israel, Italy, Japan, Kazakhstan, Lithuania, Mexico, Morocco, the Netherlands, New Zealand, Norway, Philippines, Poland, the Republic of Korea, Romania, Spain, Sweden, Turkey, Ukraine, United Arab Emirates, the United Kingdom, the United States of America and Vietnam, aiming for an effective and sustainable nuclear security regime, commit themselves to:

1. **Subscribe to the fundamental principles** ("Nuclear Security Fundamentals") set forth in the Nuclear Security Series NSS 20, on the Objective and Essential Elements of a State's Nuclear Security Regime;
2. **Meet the intent of the recommendations** contained in the following documents and to realize or exceed these objectives including through the implementation and enhancement of national regulations and other government measures:
 - a) NSS13 (INFCIRC225/Rev.5): "Nuclear Security Recommendations on Physical Protection of Nuclear Materials and Nuclear Facilities;
 - b) NSS14: "Nuclear Security Recommendations on Radioactive Material and Associated Facilities" and The Code of Conduct on the Safety and Security of Radioactive Sources;
 - c) NSS15: "Nuclear Security Recommendations on Nuclear and Other Radioactive Material out of Regulatory Control;
3. **Continue to improve the effectiveness** of their nuclear security regimes and operators' systems by
 - a) Conducting self-assessments;
 - b) Hosting peer reviews (e.g., IPPAS) periodically;
 - c) Acting upon the recommendations identified during these reviews;
4. **Ensure that management and personnel with accountability for nuclear security are demonstrably competent;**

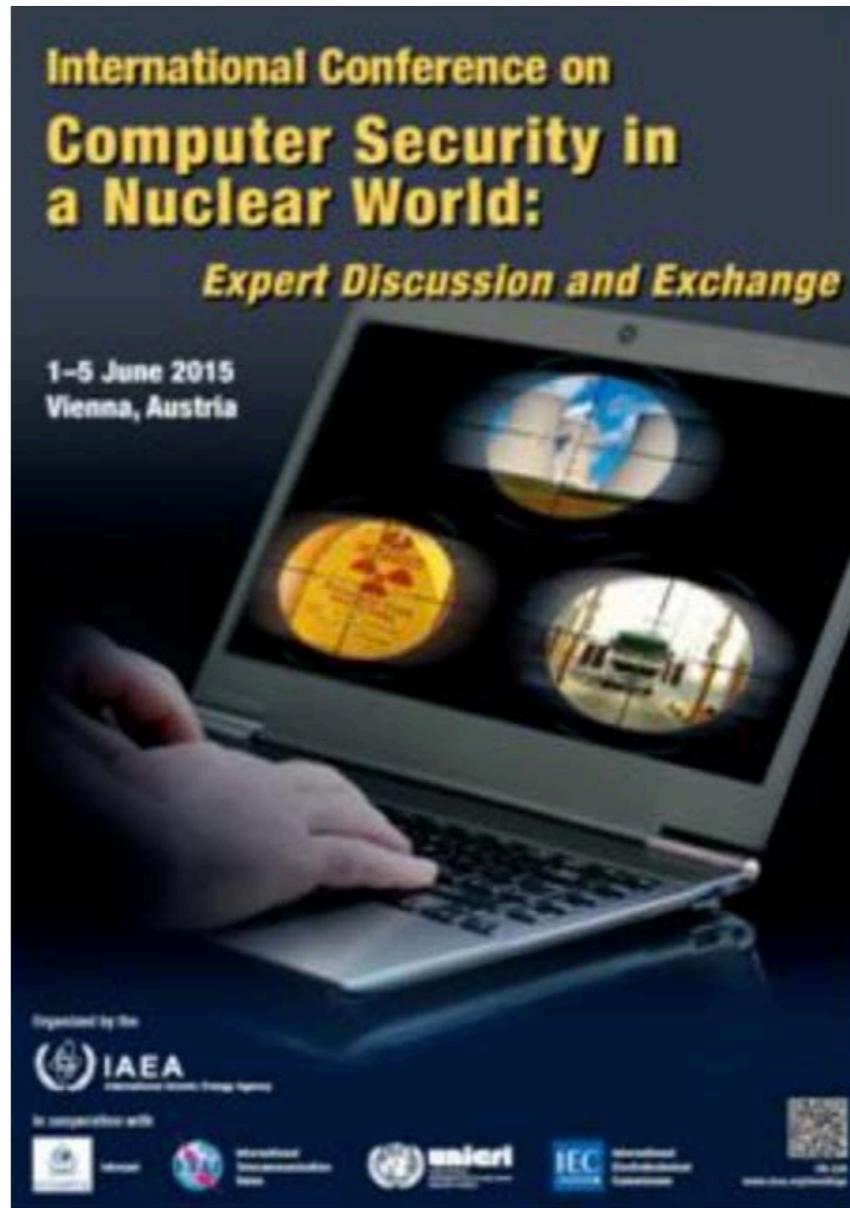
Additionally, subscribing States intend to contribute to the continuous improvement of nuclear security through one or more of the following actions:

Strengthening nuclear security implementation (25 March 2014) Page 3

“Ensure that management and personnel with accountability for nuclear security are demonstrably competent”

NSS in Washington

IAEA Events



WINS Vision & Mission

All nuclear and other radiological materials and facilities are effectively secured by demonstrably competent professionals applying best practice to achieve operational excellence

To be the leader in knowledge exchange, professional development and certification for nuclear security management

Performance Measured by WINS' Achievements

80+

International
Best Practice
Workshops



35

International
Best Practice
Guides



10

Nuclear Security
Management
Certification
Modules





4,300

Members worldwide in

123 countries



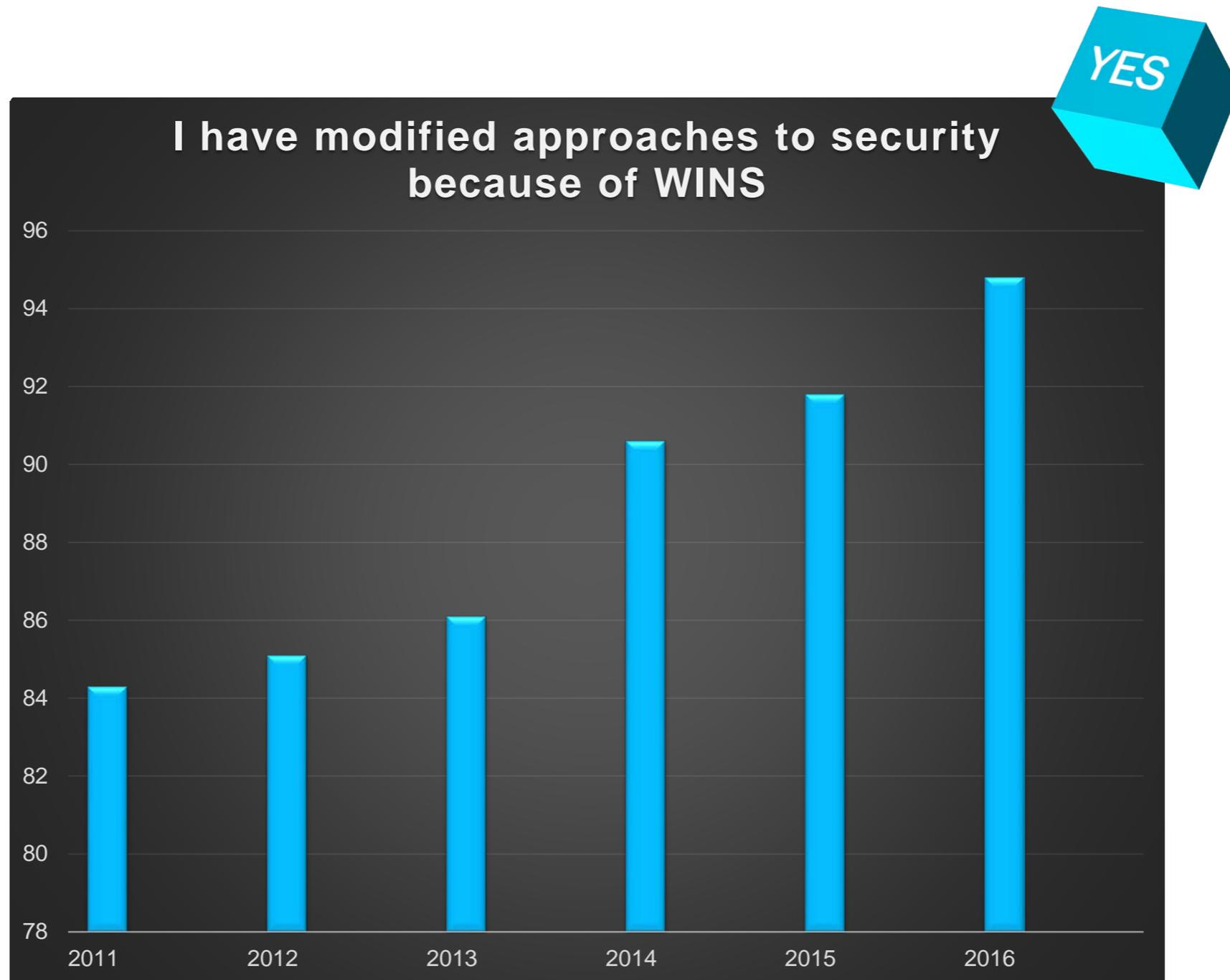
4,300

Members worldwide in

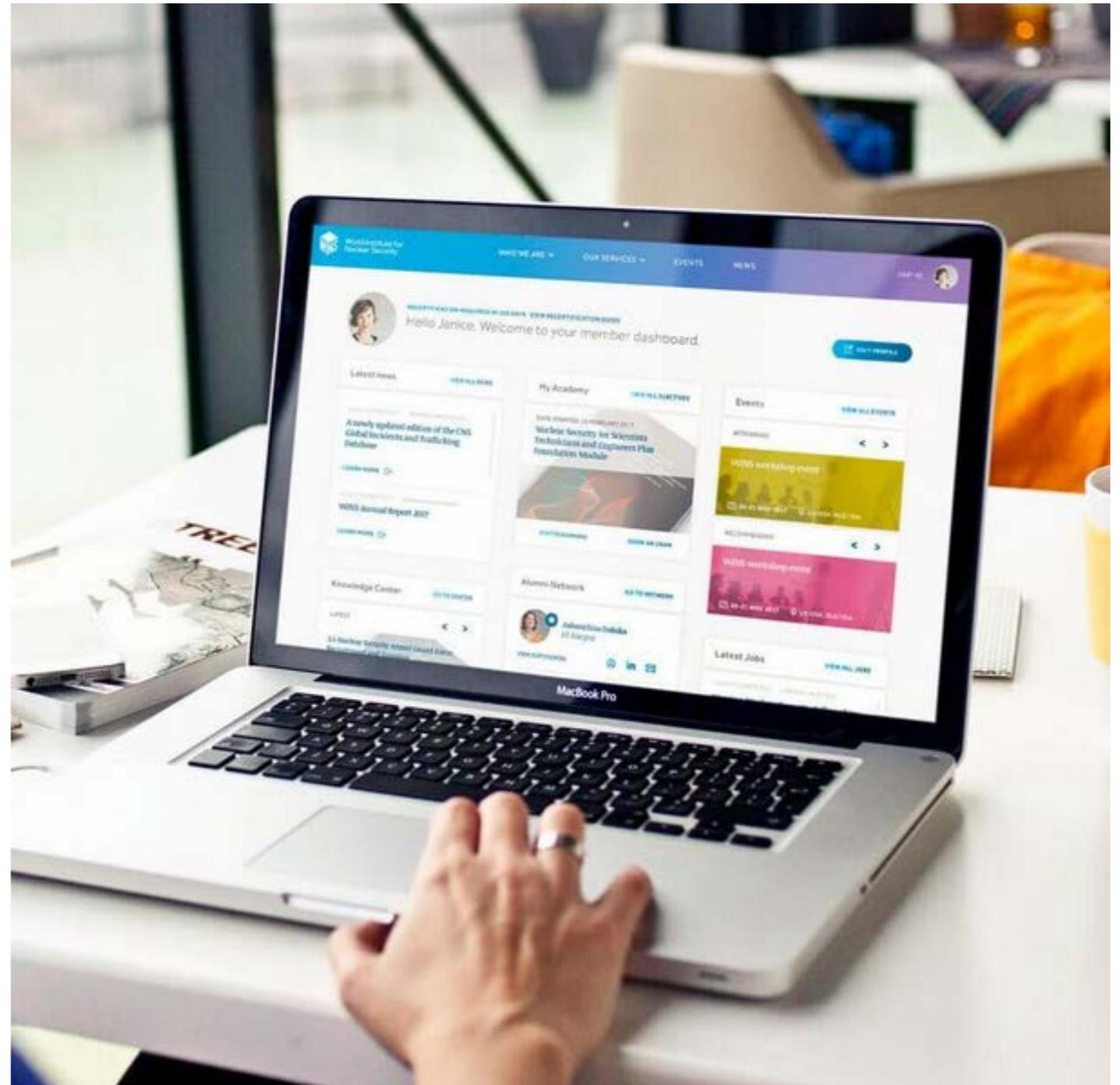
123 countries

JOIN TODAY IF YOU'RE NOT A MEMBER ALREADY!

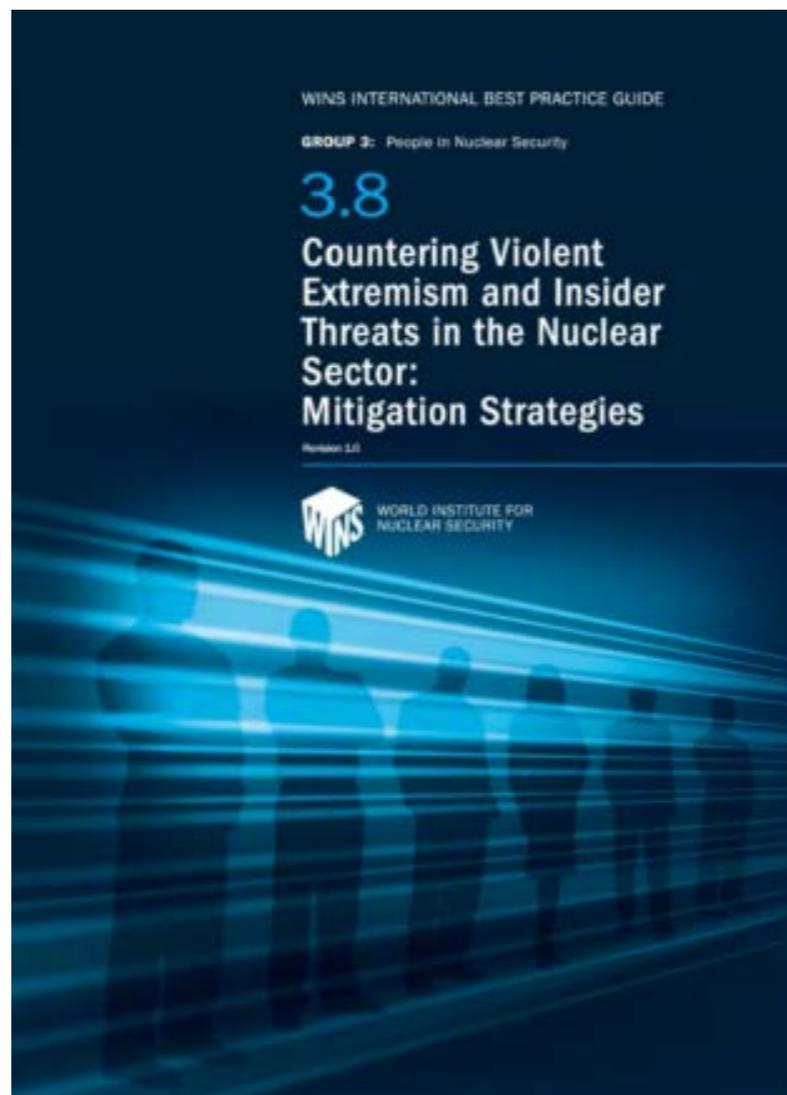
Membership Questionnaire



Website relaunch with new Operating System and Data Analytics, including a Member Dashboard



Agile and Relevant: WINS Leadership in Identifying Emerging Issues



Workshop Announcement



EVOLVING SECURITY THREATS AND ADVANCED SECURITY TECHNOLOGIES

Date: 19th – 21st March 2018
Venue: Wolke 19, Vienna

Please take note of these dates.
Further details will follow shortly.



WINS Gender Champions Initiative

WINS Programme will focus on identifying and overcoming the barriers to women's greater participation in nuclear security: we need greater diversity to address the evolving threats



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Demonstrable Security Management Competence in other Professions



MARINE TRAINING CERTIFICATION

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A United Nations Specialized Agency

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AVSEC PROFESSIONAL MANAGEMENT COURSE (AVSEC PMC)

The **Aviation Security Professional Management Course (PMC)** is the most advanced aviation security training programme in existence today which carries a formal designation (AVSEC PM), it the first of its kind globally.

The programme was developed by the International Civil Aviation Organization (ICAO) in collaboration with the John Molson School of Business at Concordia University in 2004. Its aim is to provide a security middle and senior management personnel with new management skills and a greater understanding of the application of the Standards and Recommended Practices contained in Annex 17 while maintaining a creative and pedagogic philosophy. Emphasis is also placed on the use of the Security Manual (Doc 8973) Restricted.

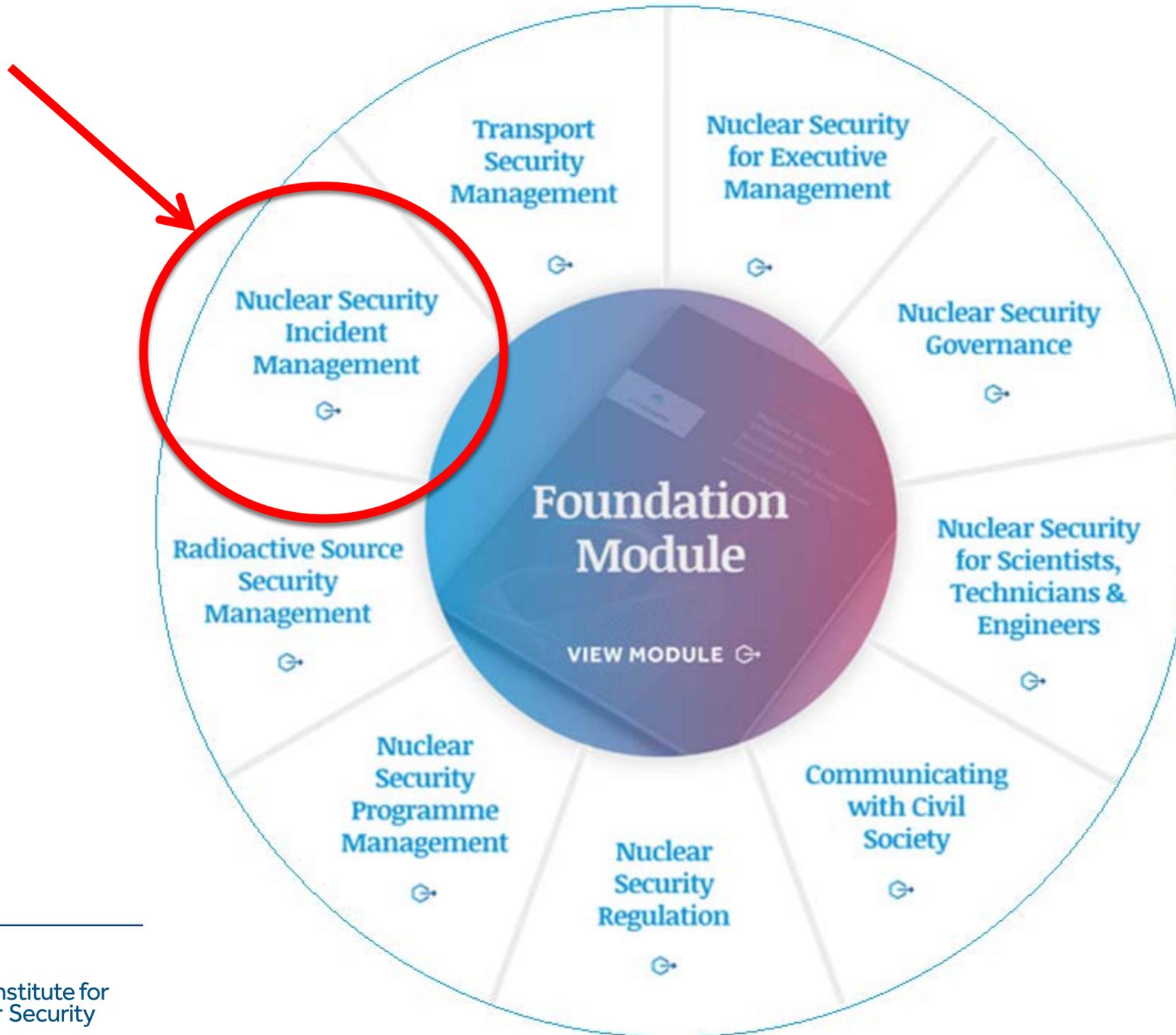
Maritime Security

- [Ship Security Officer](#)
- [SSO Certificate of Proficiency](#)
- [Company Security Officer \(CSO\)](#)
- [Marine Facility Security Officer \(MFSO\)](#)
- [Persons with Security Responsibilities](#)
- [Auditor Course](#)
- [Port Workers Security Awareness Course](#)
- [Other Maritime Security Courses](#)

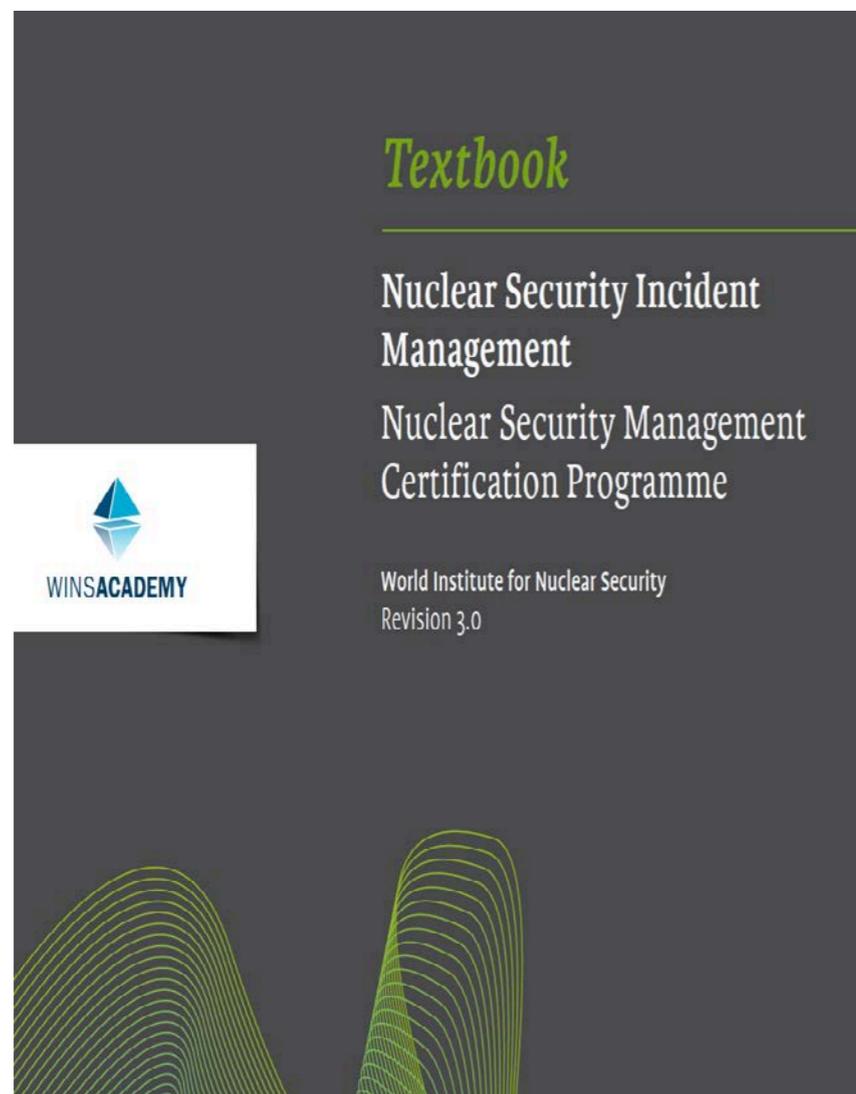
The WINS Academy: Electives on Offer



The WINS Academy: Electives on Offer

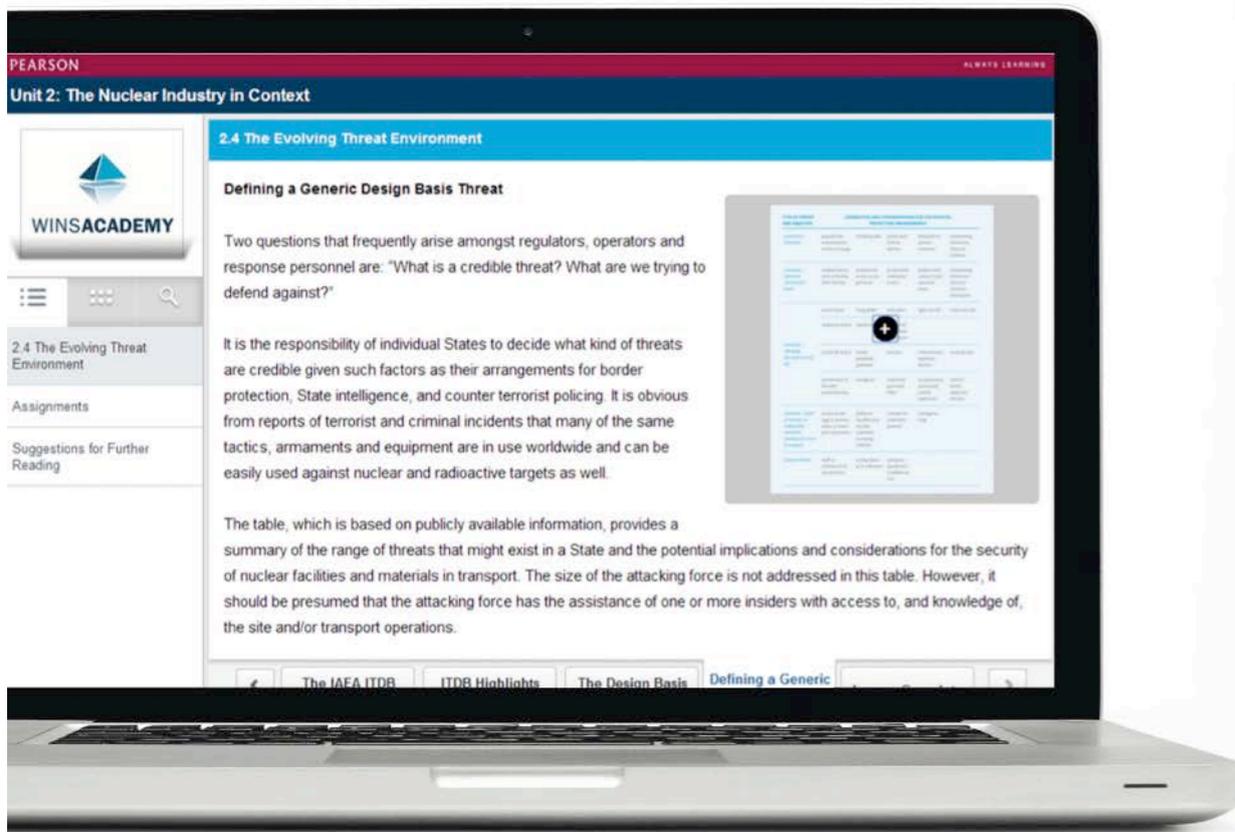


WINS Academy Course on Security Incident Management



- Understanding the Strategic Context
- Managing Incident Response
- Implementing Command, Control and Communication
- Guard Force Deployment Issues
- Post-Incident Management
- Using Scenarios to Test Incident Management Plans

Module Delivery Online



5,100+ accredited test centres in over 180 countries worldwide

Hard Copy Textbooks



WINS was re-certificated to ISO Standards in December 2017



qualityaustria

SYSTEM CERTIFIED

ISO 9001:2015

No.13020/0

ISO 29990:2010

No.00027/0



Academy Participants Exceeded **1,000** Worldwide in 2017

1,050 Participants from **80+** Countries

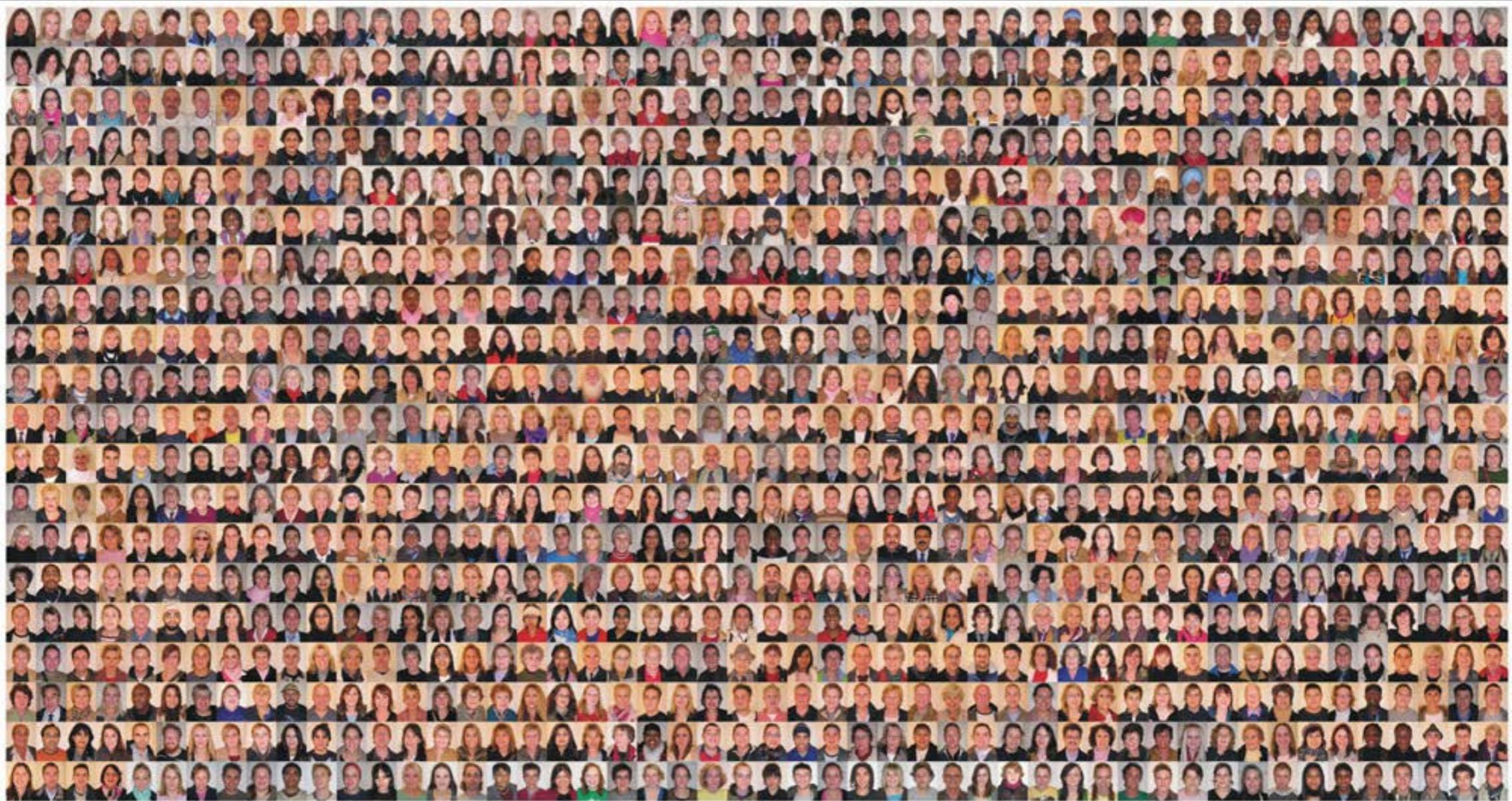
291 Certified Nuclear Security Professionals



CERTIFIED NUCLEAR SECURITY PROFESSIONALS



Academy Participants Exceeded **1,000** Worldwide in 2017



Sustaining the Engagement – The WINS Professional Network



79%

of our participants are from developing countries



96%

of our Alumni say that WINS certification has positively impacted their professional image



50%

of our Alumni have received a significant increase in responsibility

The WINS Academy: Impact Analysis



INFCIRC/901; now 14 Signatories



WORLD INSTITUTE FOR
NUCLEAR SECURITY

THE GOVERNMENT OF CANADA AND 11 OTHER STATES ENDORSE THE WINS ACADEMY'S COMMITMENT TO PROVIDING CERTIFIED PROFESSIONAL DEVELOPMENT FOR NUCLEAR SECURITY WORLDWIDE – IAEA INFCIRC/901

Vienna, Austria, December 14, 2016 – The World Institute for Nuclear Security (WINS) is pleased to announce that on 1 December 2016 the Government of Canada submitted a Joint Statement on Certified Training for Nuclear Security Management to the Secretariat of the International Atomic Energy Agency (IAEA). The Statement acknowledges the international recognition of the need for nuclear security training, education and certification and commits to providing advocacy, peer review, contributions and other means as necessary to support the WINS Academy's efforts to expand its international certification programme.

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Workshop on Security Incident Management

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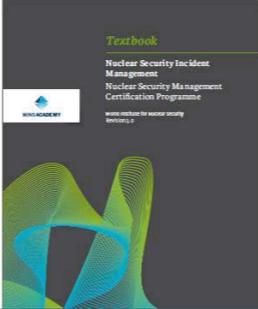
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Workshop Agenda

- **Developing a National Framework for Managing the Response to a Nuclear Security Event - IAEA**
- **Canada's Nuclear Emergency Management Regime - CNSC**
- **Security Preparedness / Response - Sellafield Ltd.**
- **Nawah Emergency Preparedness and Security Response Programme – Nawah, UAE**
- **Planning and Responding to a Nuclear Security Incident – Bruce Power**
- **A UK View of Interoperable Working - JESIP**
- **A Collaborative Approach to Critical Incident Management - OPP**
- **Physical Security Management at National Key Points and Strategic Installations - SAPS**
- **Nuclear Security Training and Exercises – Bruce Power**
- **TABLE-TOP-EXERCISE – SWEETBRIAR NUCLEAR POWER PLANT**
- **Perspectives on post-incident management – IAEA**

Personal Experience

Director - Security, Safeguards and International Affairs



25,000 Employees in 16 Countries

Chairman of the Police Authority 1995-2005



1955



2005

Celebrating the transition of the United Kingdom Atomic Energy Authority Constabulary to the Civil Nuclear Constabulary on 1 April 2005. Continuing to provide a first class service for the protection of nuclear materials and facilities in the United Kingdom.

A handwritten signature in black ink, appearing to be 'W. Pryke'.

William F Pryke
UKAEAAC Chief Constable

A handwritten signature in black ink, appearing to be 'R. Howsley'.

Dr Roger Howsley
Chairman of UKAEAAC Police Authority



Civil Nuclear Constabulary Mission

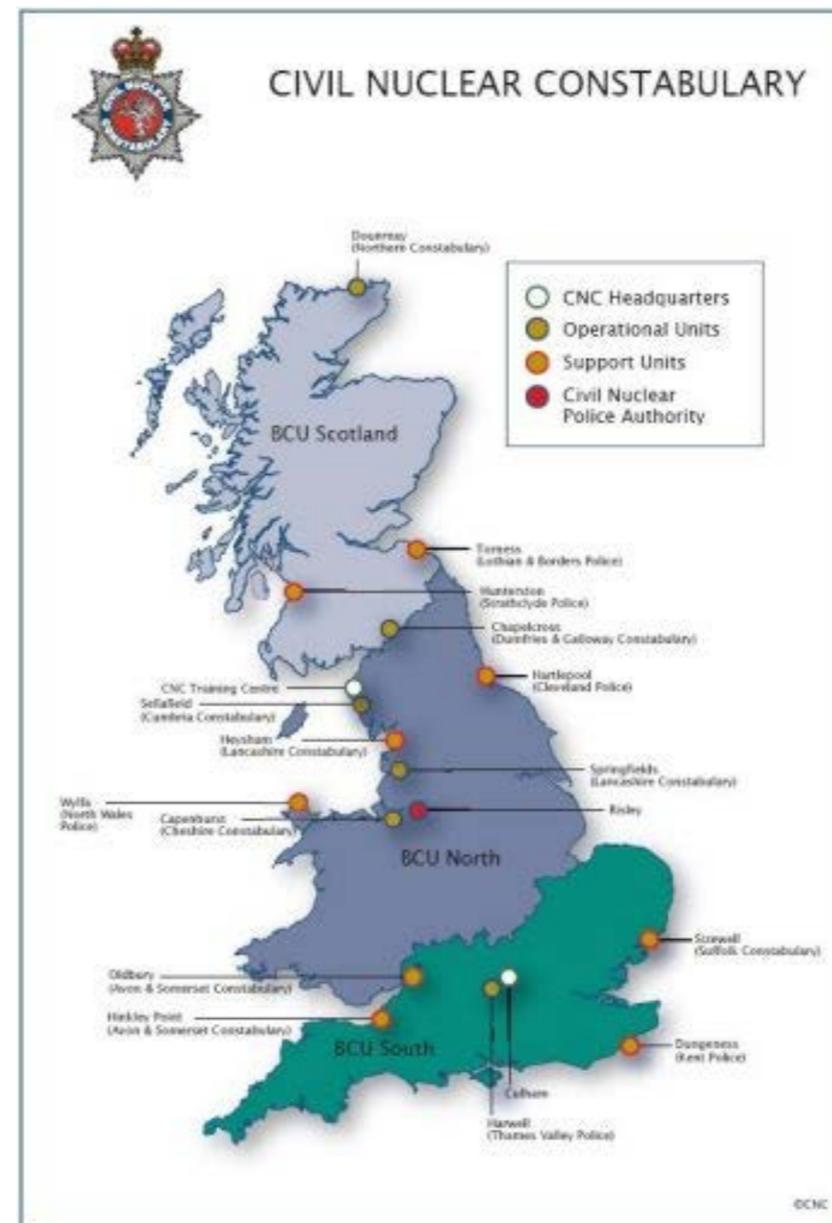
“In partnership with the civil nuclear industry, national security agencies and regulatory bodies the CNC will deter any attacker whose intent is the theft or sabotage of nuclear material whether static or in transit. If an attack occurs CNC will defend that material and deny access to it. If material is seized or high consequence facilities compromised the CNC will recover control of the facility and regain custody of the material.”

Civil Nuclear Police Authority (CNPA) Role

The Civil Nuclear Police Authority oversees the Civil Nuclear Constabulary and must ensure that their policing meets the need of the nuclear operating companies.

Civil Nuclear Constabulary: Deployment in 2017

- 1,500 staff
- 1,000 Armed Officers
- £100 Million Operating Budget



Sellafield Site: Multiple Category 1 and Vital Areas



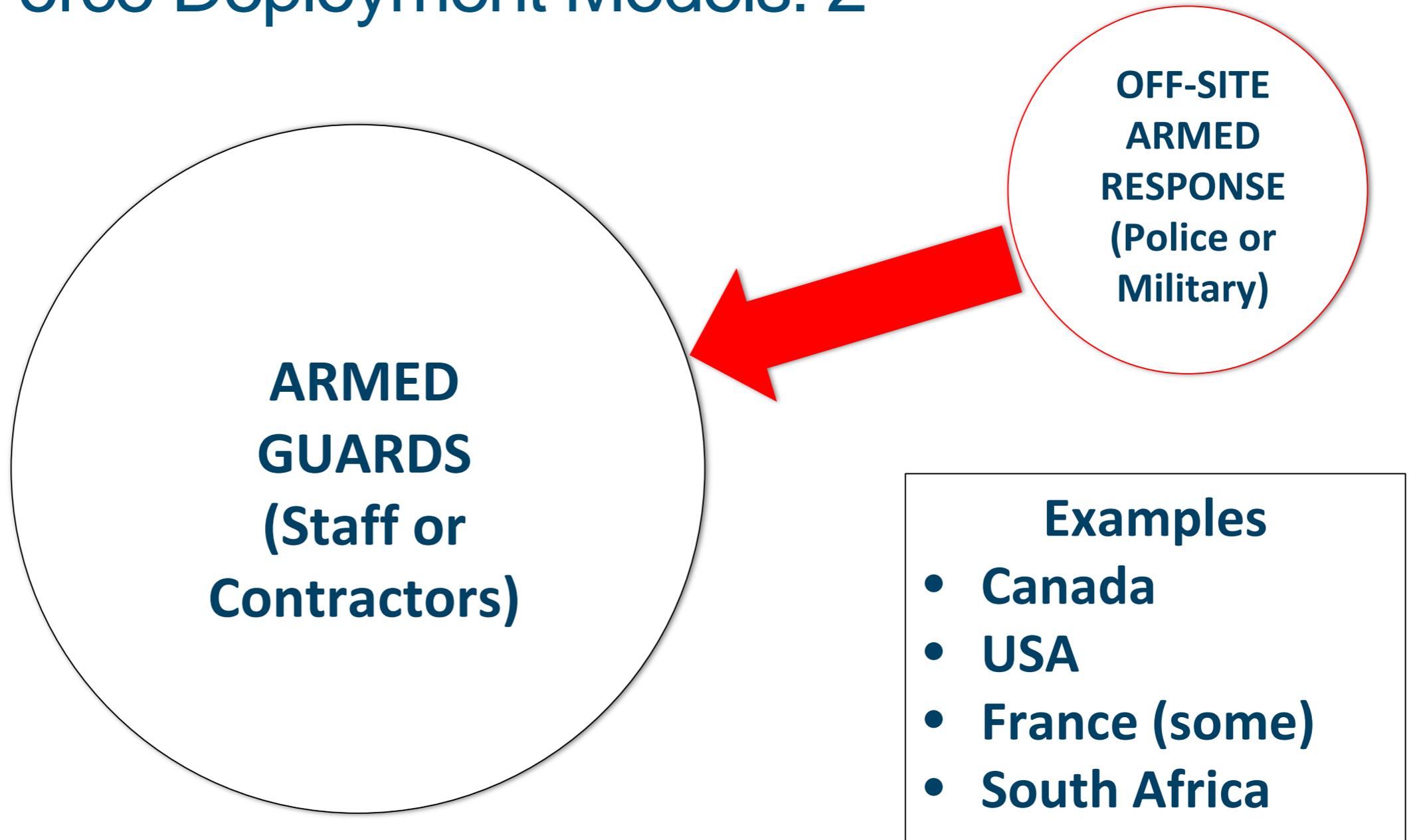
Sizewell B: Nuclear Power Plant



Guard Force Deployment Models: 1



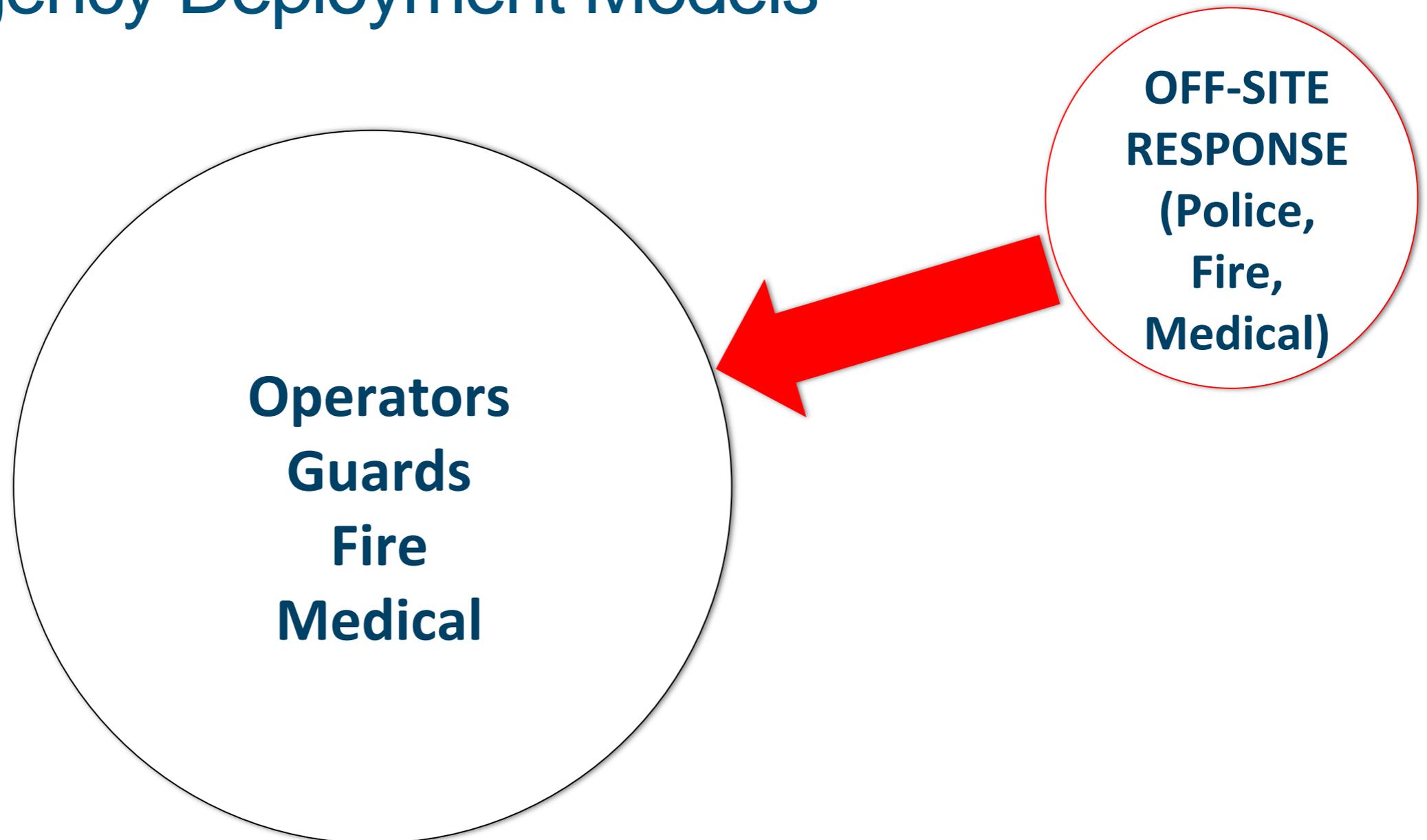
Guard Force Deployment Models: 2



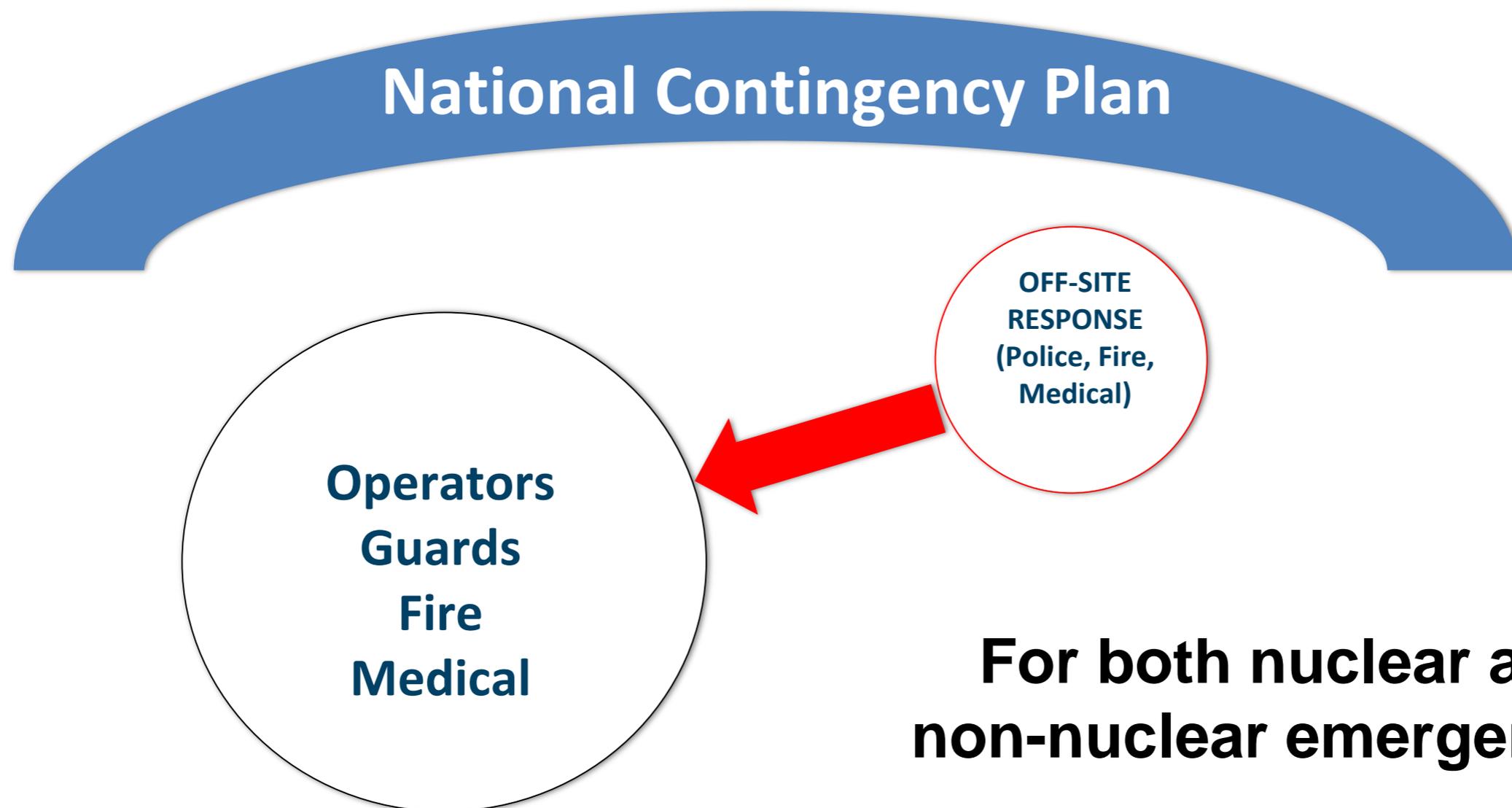
Guard Force Deployment Models: 3



Inter Agency Deployment Models



National Contingency Models



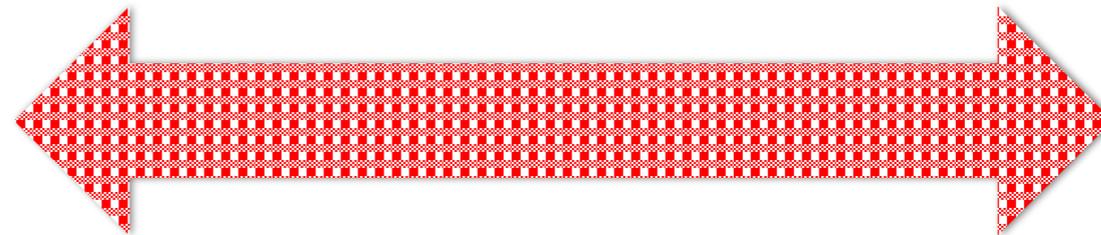
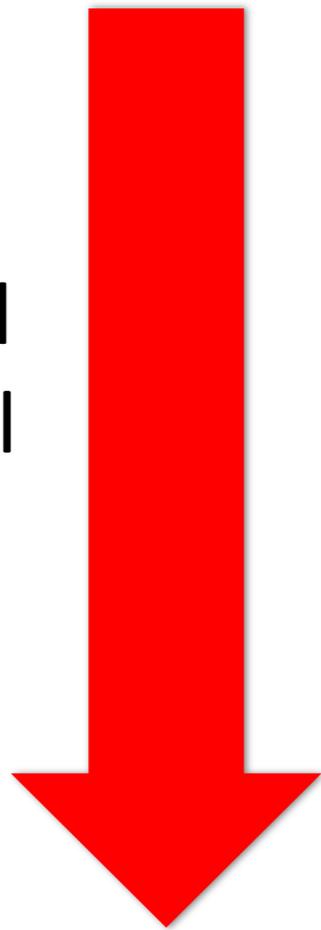
Command and Control

- Command and Control issues between Nuclear Operators and Law Enforcement Agencies occur in every country.
- The deployment of guards (unarmed and armed) varies from country to country but the issues are very similar.
- Command and control issues also occur between law enforcement, military units, fire and medical responders.

Inter Agency Cooperation

Has to be both vertical and horizontal:

- National
- Regional
- Local



- Operators
- Police
- Fire
- Medical
- Military
- Environmental

International Guidance

All of the international guidance and requirements emphasise the importance of the Licensee and Authorities reaching agreement, preparing plans and exercising them for effectiveness

Conclusion

Whatever the Guard Force Deployment Strategy, agreements on command and control must be reached between the parties based on their competency to perform their functions.

We will endeavour to produce a “model” Memorandum of Understanding that will be published after the workshop

Learn more at:
www.wins.org

Email:
roger.howsley@wins.org



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