



CONTENTS

WHO IS THIS MODULE FOR

This module provides the operating context for nuclear security. Hence, it forms the foundation of the WINS Academy learning programme and is intended for all participants.

KEY ISSUES

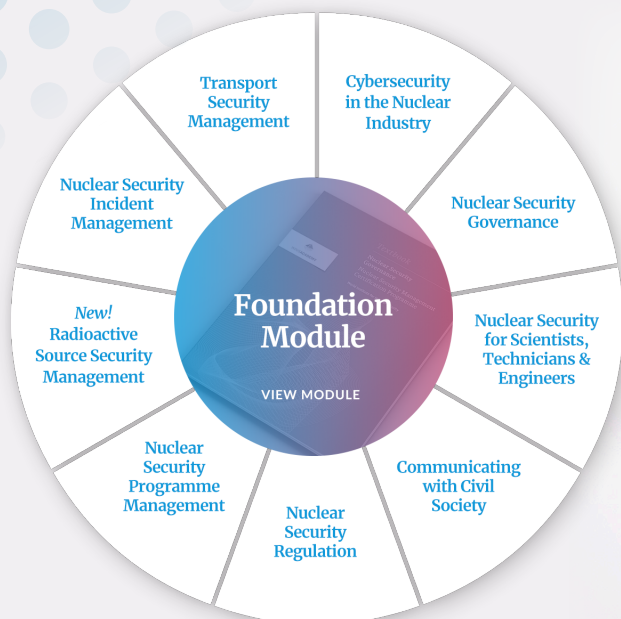
This module sets out key features of the nuclear industry, including its historical development, future prospects, national and international stakeholders, and some key characteristics of nuclear and other radioactive material. It also describes how the threat environment is changing and some of the actions that governments, industry and nongovernmental communities around the world are taking to enhance the nuclear security regime.

KEY LEARNING OBJECTIVES

By the end of the course, participants will understand how clearly defined nuclear security responsibilities and interface arrangements help to reduce the likelihood of a terrorist incident, how current developments in international governance and assurance are relevant to nuclear security, and why personnel with accountabilities for nuclear security must be demonstrably competent.

Above all, the Foundation Module helps participants think about security management from different perspectives, encourages them to question their organisation's current arrangements, and helps them identify and implement improvements that increase the effectiveness and efficiency of their security programme.





OUTLINE

UNIT 1: THE NUCLEAR INDUSTRY IN CONTEXT

- 1.1 The Nuclear Industry: Origins and Future
- 1.2 The Nuclear Fuel Cycle and Nuclear Technology
- 1.3 Other Radioactive Materials and Technology
- 1.4 Risks, Threats and Consequences
- 1.5 The Evolving Threat Environment

UNIT 2: INTERNATIONAL STAKEHOLDERS

- 2.1 The Global Nuclear Security Architecture
- 2.2 IAEA Programmes for Nuclear Security
- 2.3 The Nuclear Security, Industry and Knowledge Summits
- 2.4 International Nuclear Industry Stakeholders

UNIT 3: NATIONAL STAKEHOLDERS

- 3.1 IAEA Guidance on the Role of the State
- 3.2 Canada: A Closer Look at One State
- 3.3 Effective Nuclear Security Regulation
- 3.4 Accountabilities, Training and Professional Development
- 3.5 The Role of Nuclear Security Support Centres (NSSCs)

UNIT 4: GOVERNANCE, COMMUNICATIONS AND EMPLOYEE ENGAGEMENT

- 4.1 Governance, Accountability and Reporting
- 4.2 Information Security
- 4.3 Employee Communication and Engagement

UNIT 5: SCENARIOS

COURSE SUMMARY