



WORLD INSTITUTE FOR
NUCLEAR SECURITY

Training and Certification for Personnel with Accountabilities for Nuclear Security

Dr Roger Howsley
Executive Director

8th October 2013

Agenda

**WINS'
CREDENTIALS**

**WINS
ACADEMY**



Agenda



**WINS'
CREDENTIALS**

**WINS
ACADEMY**



Launch in September 2008 at the IAEA GC



“WINS fills an urgent gap in our need to strengthen the nuclear security system.”

Political Commitment to Improve Nuclear Security



The 2010 Nuclear Security Work Plan

Promote and sustain ***strong nuclear security culture*** and corporate commitment to implement robust security practices, including regular exercises and performance testing of nuclear security features

Facilitate ***exchange of best practices***...in nuclear security in the nuclear industry and in this respect will utilise relevant institutions to support such exchanges

WINS' Mission

To provide those who are accountable for nuclear security with an international forum in which to share and promote best security practice.



WINS Membership Growth



**Over 1,600 members
in 91 countries**

WINS Workshops



ARGENTINA
AUSTRIA
BRAZIL
CANADA
GERMANY
GREECE
JAPAN
JORDAN
KOREA
MEXICO
NIGERIA
PHILIPPINES
SOUTH AFRICA
THE NETHERLANDS
UNITED ARAB EMIRATES
UNITED KINGDOM
USA

WINS' Achievements

29

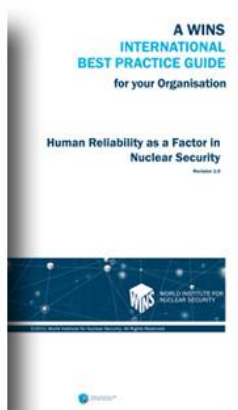
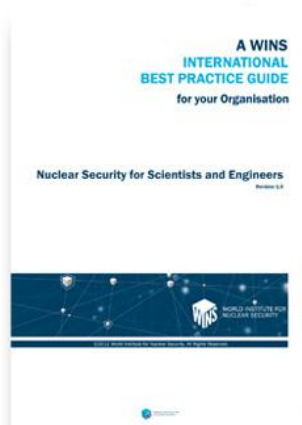
International
Best Practice
Guides
published

10

Published
languages



International Best Practice Guides



All Guides have a Self Assessment Section


Managing Internal Threats Page 10 of 18 WINS International Best Practice Guide

APPENDIX A
QUESTIONS TO ASSESS PERSONAL CONTRIBUTIONS TO IDENTIFYING AND COUNTERING INTERNAL THREATS

Organisations can use this questionnaire to help employees and relevant outsiders consider their personal contribution to identifying and countering internal threats. The questions, which are not intended to be exhaustive, can also be used as a basis for discussion to get this reflective process started. In addition, they can be used as prompts to encourage individuals to review their actions and behaviour critically and consider how they can contribute personally to enhancing nuclear security within their organisation.

QUESTIONS FOR SENIOR MANAGEMENT

| | |
|---|--------|
| Do you believe that assessment of internal threats should be part of your organisation's integrated approach to risk management? | Yes/No |
| Has the Board implemented any measures to assess internal threats? | Yes/No |
| Does the Board have a clear understanding of its legal responsibilities if a staff member or contractor employed by the organisation were to perform a serious, malicious act? | Yes/No |
| Does the Board have a published policy statement that defines its expectations for the behaviour of staff and contractors and makes clear that deliberate violations of legal requirements or company policies will be strictly penalized? | Yes/No |
| Does the Board currently require more stringent recruitment procedures (e.g., background checks) for senior management appointments than for workers with access to nuclear or radiological material? | Yes/No |
| Has the Board implemented a whistle blower policy that encourages staff and contractors to report any serious concerns that are not being properly addressed by line management after being referred to them, including concerns about the reliability of any staff member or contractor? | Yes/No |
| Does the Board receive periodic reports on the results of the whistle blower policy? | Yes/No |
| Does the Board receive periodic reports on the level of theft, fraud, malicious damage and other comparable events taking place within the company? Do they see such results as indicators of adverse or disgruntled behaviour amongst the workforce? | Yes/No |
| Does the Board periodically ask the government representative who is responsible for security vetting (security clearances) and the CEO to summarise the number and type of clearances that have been refused or suspended across the organisation in the previous 12 months? Are the implications discussed at Board meetings? | Yes/No |

 WINS INTERNATIONAL BEST PRACTICE GUIDE FOR NUCLEAR SECURITY

THE “RIGHT”
ANSWER IS
ALWAYS “YES”



We Provide a Security Management “Maturity Scale”

| | |
|---|------------------|
| 1 | INEFFECTIVE |
| 2 | DEVELOPING |
| 3 | GOOD |
| 4 | HIGHLY EFFECTIVE |
| 5 | WORLD CLASS |

Constantly Updated Website



WORLD INSTITUTE FOR
NUCLEAR SECURITY

[Home](#) [About WINS](#) [Latest WINS News](#) [FAQs](#) [Contact](#) [Members Area](#)

[STARTPAGE](#) [TOUR](#) [REGISTRATION](#) [SUPPORT WINS](#)



We believe nuclear security increases when:

Leadership values and implements a strong, vibrant nuclear security culture throughout their organisation.

[LATEST NEWS](#)

[TAKE THE TOUR](#)

WINS fills an urgent gap in our need to strengthen the nuclear security system.

Mohamed ElBaradei, former IAEA Director General

[WAYS TO SUPPORT WINS](#)

[LOGIN](#)



Community

WINS provides a Community Forum in which members can network with security professionals from across the



Publications

Membership gives you access to all of WINS' publications, including 29 International Best Practice Guides focused on specific areas



Workshops

WINS sponsors members-only workshops that are held around the world. The workshops focus on key security management issues



Academy

The WINS Academy is our newest initiative. Its purpose is to promote Nuclear Security as a recognised, accredited profession through the



News

11.07.2013 - Success at "A Night at the Theatre with WINS"
20.06.2013 - Special Publication on a Model National



Constantly Updated Website



WORLD INSTITUTE FOR
NUCLEAR SECURITY

Home About WINS Latest WINS News FAQs Contact Members

STARTPAGE TOUR REGISTRATION



LATEST NEWS

TAKE THE TOUR

an urgent gap in our need to
when the nuclear security system.

Mohamed ElBaradei, former IAEA Director General

WAYS TO SUPPORT WINS

LOGIN



Community

WINS provides a Community Forum in which members can network with security professionals from across the



Publications

Membership gives you access to all of WINS' publications, including 29 International Best Practice Guides focused on specific areas



Workshops

WINS sponsors members-only workshops that are held around the world. The workshops focus on key security management issues



Academy

The WINS Academy is our newest initiative. Its purpose is to promote Nuclear Security as a recognised, accredited profession through the



News

11.07.2013 - Success at "A Night at the Theatre with WINS"
20.06.2013 - Special Publication on a Model National

OVER 22,000 GUIDES DOWNLOADED/DISTRIBUTED



Membership Questionnaire 2013



| QUESTION | Strongly Agree or Agree |
|--|--------------------------------|
| Do I benefit from WINS membership? | 94.5% |
| Is WINS a valuable forum? | 98.7% |
| Are the WINS guides effective for self assessment? | 91.2% |
| Do the WINS guides cover relevant topics? | 98.4% |
| Is publishing the guides in different languages important? | 96.7% |
| Was attending a WINS workshop time well spent? | 97.5% |
| Are WINS workshops innovative? | 97.4% |
| Have I modified approaches to security because of WINS? | 86.1% |
| Is WINS website useful? | 96.2% |
| Are my interactions with WINS dealt with professionally? | 97.7% |



MEMBERSHIP QUESTIONNAIRE 2013

YES

99%

said WINS is a valuable forum

86%

have modified their approach to nuclear security management as a result of their interactions with WINS



Looking forward to the 2014 Nuclear Security Summit

The Nuclear Security Summit 2014 is a world summit, aimed at preventing nuclear terrorism around the globe.

About NSS



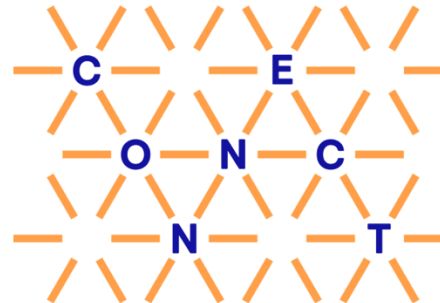
In 2009 President Obama called nuclear terrorism one of the greatest threats to international security. The chance of terrorists carrying out an attack with nuclear material is slight, but if it happened, the consequences would be enormous. For this reason the US mounted an initiative to further enhance the security all nuclear material in the world within four years. With this in mind, the first Nuclear Security Summit (NSS) was organised in Washington, DC; a second summit followed in Seoul in 2012. The Netherlands has been asked to organise the third NSS.

[More on NSS2014](#)

Themes of NSS 2014

We are working to prevent nuclear terrorism by:

- 1 Reducing the amount of nuclear material and radioactive sources
- 2 Enhancing the security of nuclear material and radioactive sources
- 3 Tackling the smuggling of nuclear material
- 4 Improving international cooperation



News

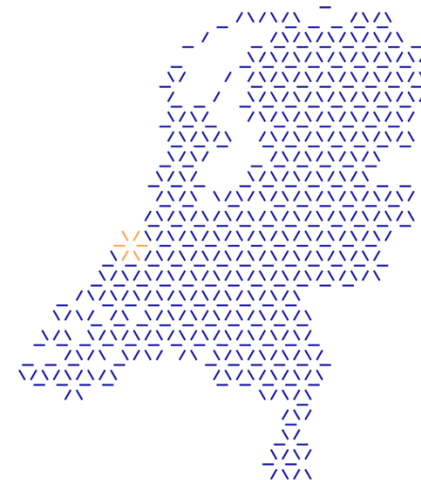
July 1, 2013 - 11:16am
IAEA countries tighten security

June 27, 2013 - 3:19pm
Sherpa meeting in Vienna

April 18, 2013 - 11:11am
The Netherlands to work with IAEA to promote nuclear security

[More news](#)

NSS in The Hague



Links

- [Nuclear Security Summit 2014](#)
- [International Atomic Energy Agency](#)
- [World Institute for Nuclear Security](#)

The Hague: city of Peace & Justice



Support for the 2014 Nuclear Security Summit

Chairing the Advisory Committee for the Nuclear Industry Summit

Supporting the Dutch Sherpa Team for the Nuclear Security Summit

Supporting Governments and developing ideas and products for National Gift Baskets

Developing Key Concepts such as International Assurance mechanisms and “Demonstrable Professional Competence”

www.NSS2014.com



Demonstrable Competence; NSS 2014

- “**ensure** that personnel with accountability for nuclear security are **demonstrably competent**”
- develop education, training, certification, and qualification activities”

Agenda



**WINS'
CREDENTIALS**

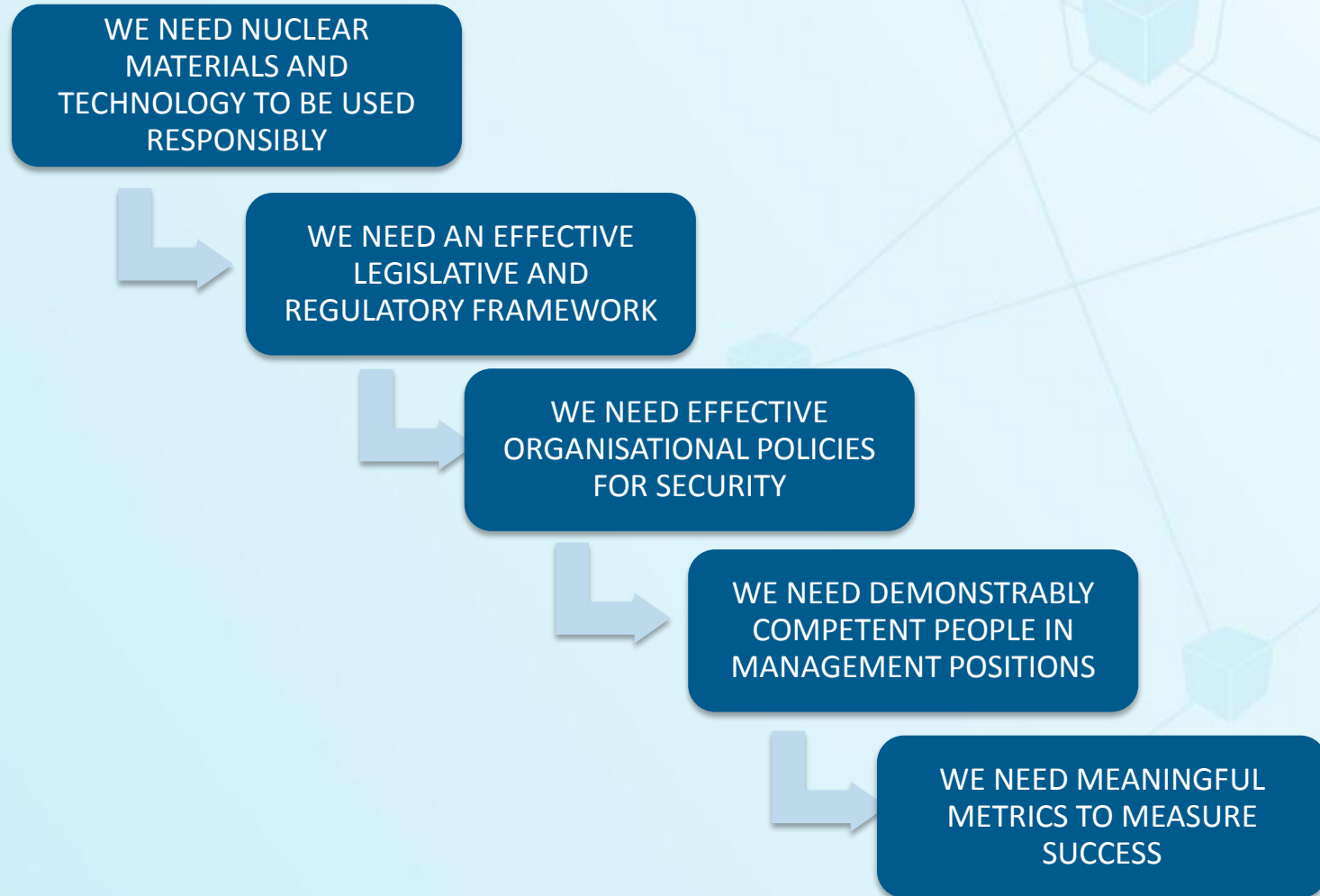
**WINS
ACADEMY**



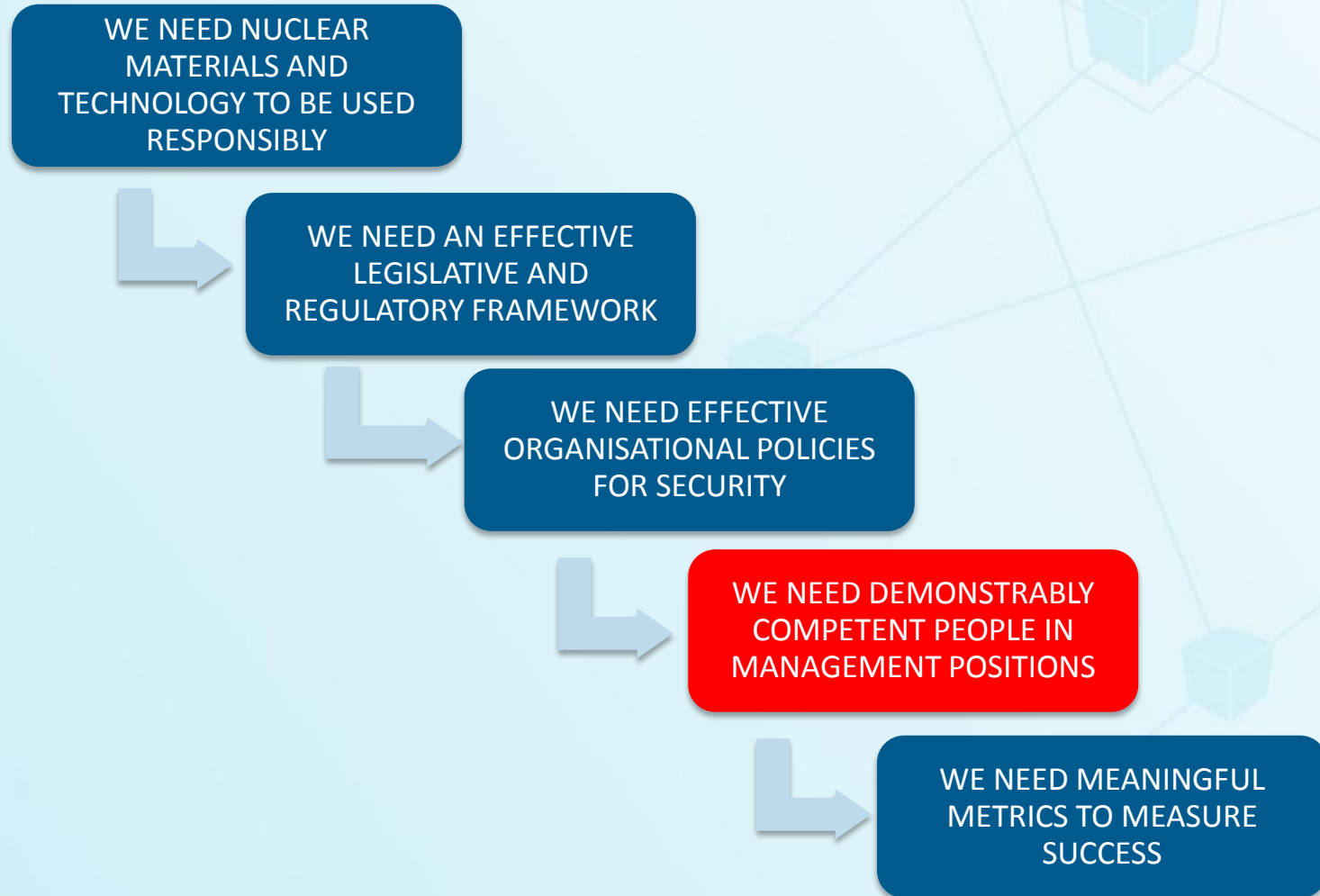
The Nuclear Industry Summit; Seoul 2012



WINS Academy: Why it Matters



WINS Academy: Why it Matters



“Being demonstrably competent or professionally certified to do your job is the norm in nearly all professions, be it medicine, teaching, engineering, project management or a host of other professional endeavours”

WINS Academy: Meaningful metrics?

Attending (and being paid to attend) a few lectures on nuclear security, and having a group photograph taken, does not make you professionally competent to manage a security programme or change security culture...



What we mean by “Certification”

1

The Subject Matter Experts (WINS, etc) produce the materials

2

An Education Provider certifies the Professional Development course is of the right design and quality

3

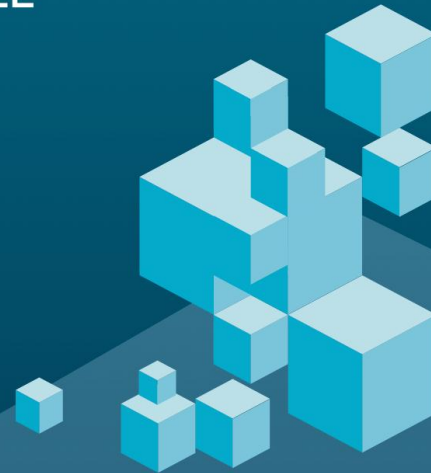
The delivery of the Programme and Examinations are done to Quality Standards

The WINS Academy: Demonstrable Competence



The WINS Academy Security Certification Programme

THE ROUTE TO
DEMONSTRABLE
COMPETENCE



The WINS Academy: Demonstrable Competence



The WINS Academy: Demonstrable Competence



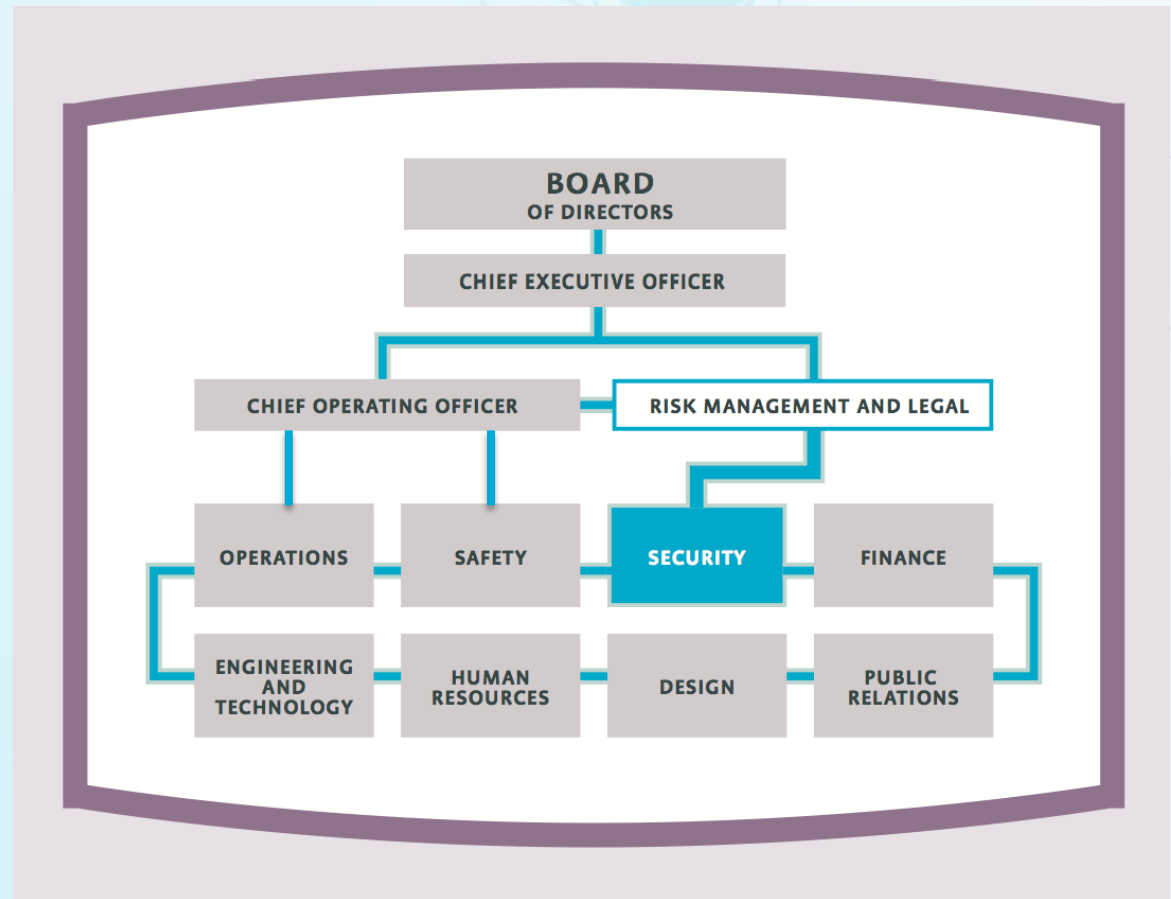
The WINS Academy: Demonstrable Competence



Corporate Governance and Internal Control

IAEA Guidance

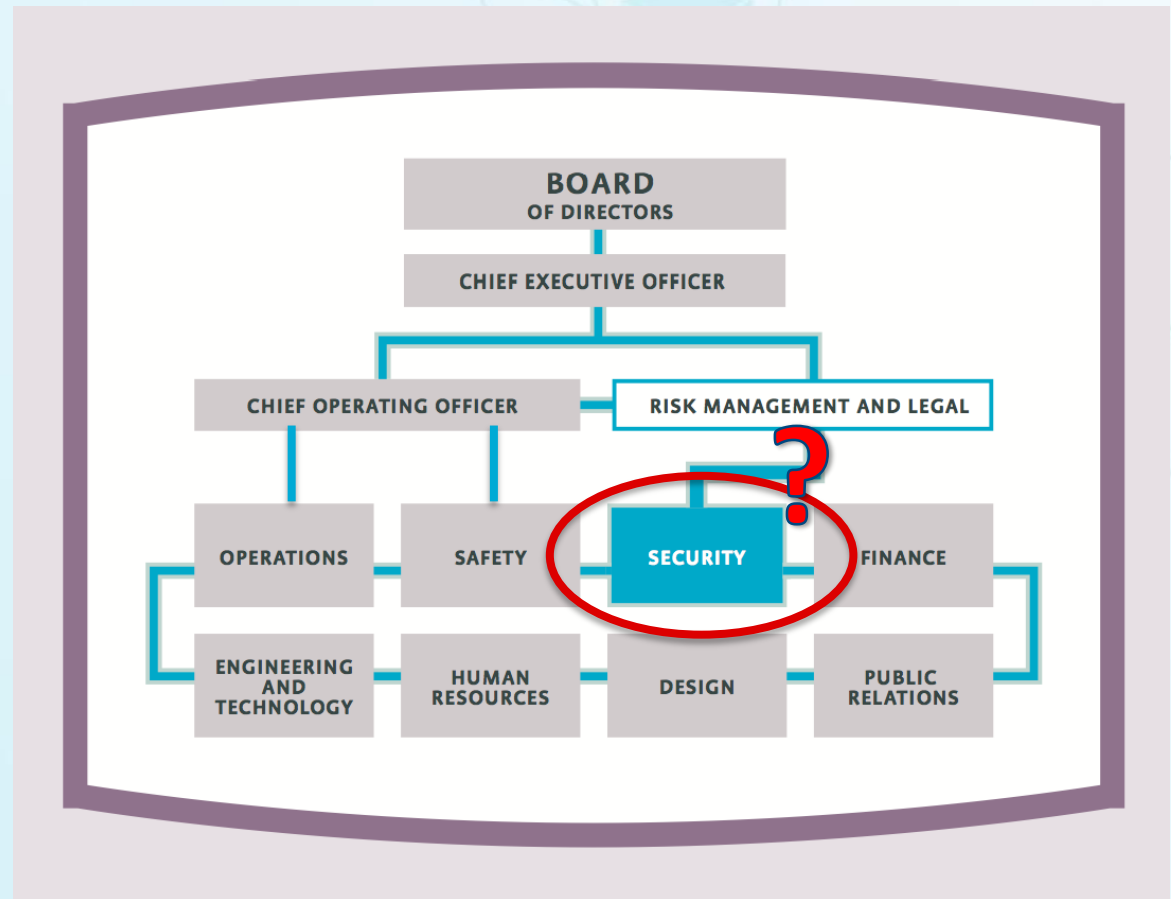
Ensure that prime responsibility for the security of nuclear material, other radioactive material, associated facilities, associated activities, sensitive information and sensitive information assets **rests with the authorized persons.**



Corporate Governance and Internal Control

IAEA Guidance

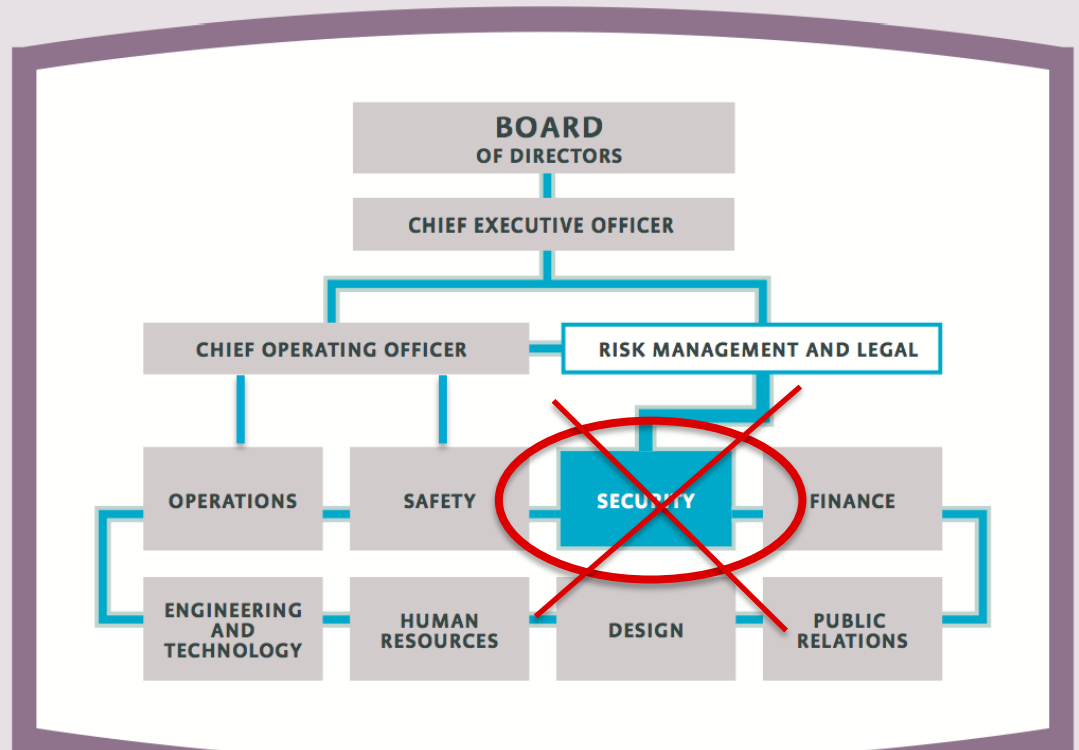
Ensure that prime responsibility for the security of nuclear material, other radioactive material, associated facilities, associated activities, sensitive information and sensitive information assets **rests with the authorized persons.**



Corporate Governance and Internal Control

IAEA Guidance

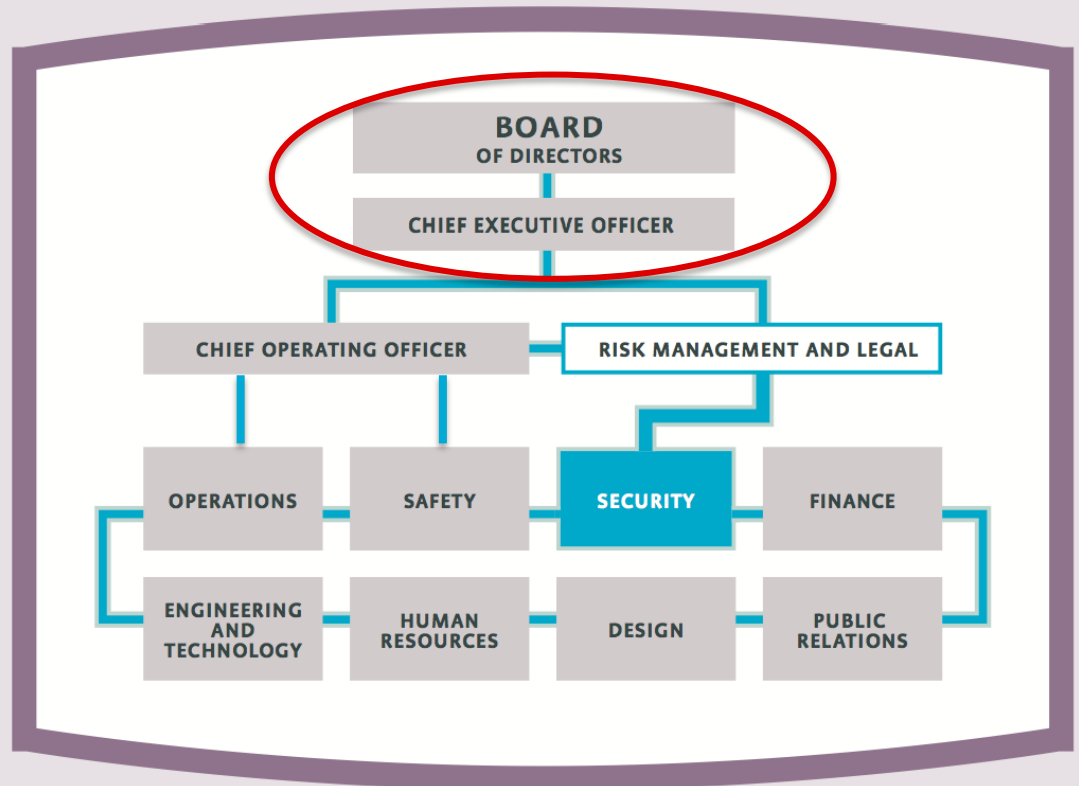
Ensure that **prime responsibility** for the security of nuclear material, other radioactive material, associated facilities, associated activities, sensitive information and sensitive information assets **rests with the authorized persons.**



Corporate Governance and Internal Control

IAEA Guidance

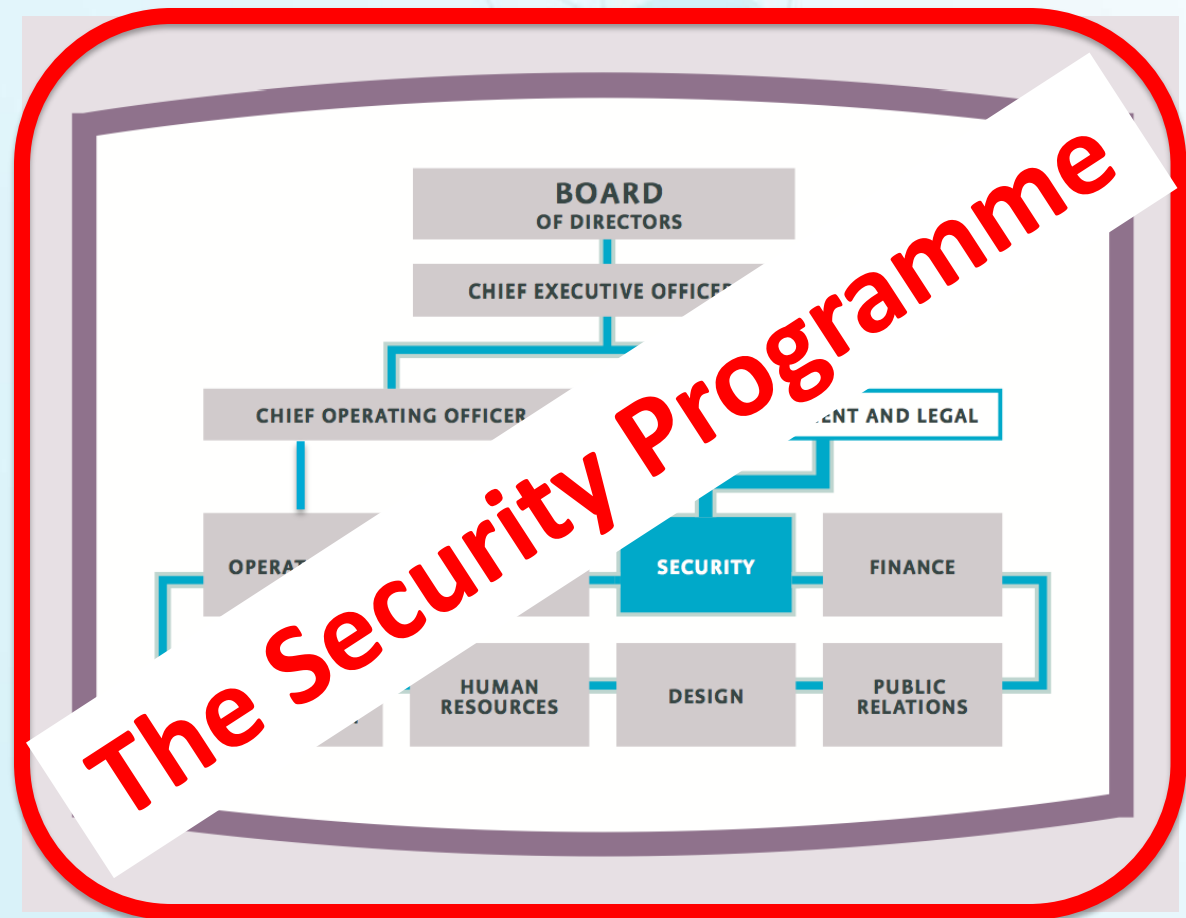
Ensure that prime responsibility for the security of nuclear material, other radioactive material, associated facilities, associated activities, sensitive information and sensitive information assets **rests with the authorized persons.**



Corporate Governance and Internal Control

IAEA Guidance

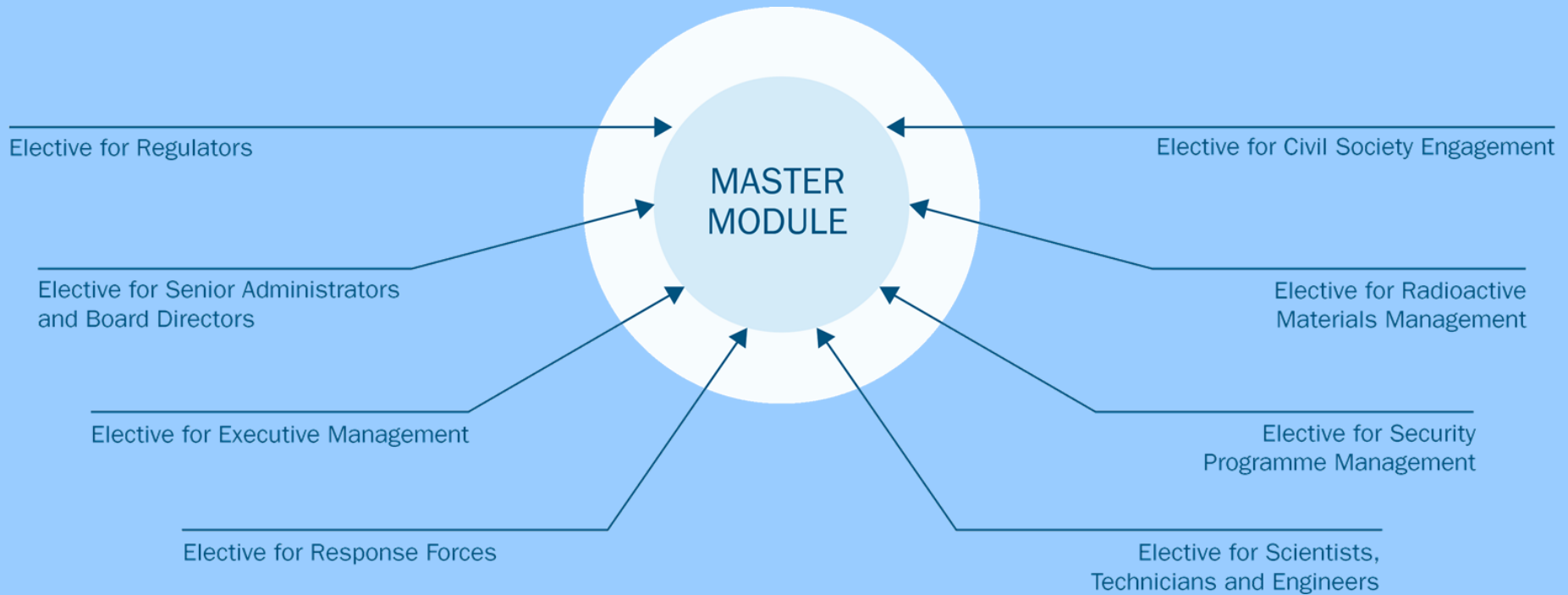
Ensure that **prime responsibility** for the security of nuclear material, other radioactive material, associated facilities, associated activities, sensitive information and sensitive information assets **rests with the authorized persons.**



The WINS Academy: Demonstrable Competence



Design of the Academy Programme



The WINS Academy: Demonstrable Competence

→ 6

Phase 6: IMPLEMENTATION (Current Status)

- Drafting of Master and elective Modules (STE elective will be the first one) to establish philosophy and set expectations
- Each module peer reviewed for content and technically edited
- Each module reviewed for professional educational assessment
- Modules designed for online platform
- Competency-based certified test questions designed with educational psychologists

The WINS Academy: Demonstrable Competence

- **WINS is planning to launch the on-line Academy Programme at the 2014 Nuclear Industry Summit,**
- **We need additional funding to make this a reality for personnel with nuclear security accountabilities, worldwide,**
- **We have a fully costed budget for the Academy,**
- **If you can help, please contact WINS.**



WORLD INSTITUTE FOR
NUCLEAR SECURITY



Thank you for your attention