

Advancing Good Practice: The Work of the World Nuclear Association's Security Working Group



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World Nuclear Association



We work with industry



We inform and communicate on nuclear energy



We train the leaders of tomorrow



We drive global action towards the Harmony goal



We are an observer at the IAEA's Nuclear Security
Guidance Committee

Nuclear Industry Summit

An industry statement was issued on 30 March 2016 during the Nuclear Security Summit held in Washington DC. It stated that the industry participants would continue to further advance nuclear security by:

- **Supporting efforts to strengthen** the global nuclear security architecture and sustaining the high-level attention brought to nuclear security by industry leaders by:
 - a. Establishing a process leading to continued exchange in an industry forum dedicated to the advancement of nuclear security beyond the 2016 Nuclear Industry Summit, including but not limited to cybersecurity, based on experienced feedback of the current NIS process shared by representatives members of the nuclear industry;
 - b. Continuing to meet on a regular basis to exchange nuclear security non-sensitive relevant best practices and discuss emerging nuclear security challenges.

Security Working Group

Revised Terms of Reference were adopted in 2019:

- To **share expertise and good practice** between World Nuclear Association members in the field of nuclear security and establish the view of the industry on nuclear security. The Working Group will not discuss or share classified materials or information.
- To support the World Nuclear Association's mission to **foster public confidence** in the nuclear industry in the areas of security and the securing of materials under industry control.
- The Working Group acknowledges that nuclear security is an integral part of a State's national security. The responsibility for the national nuclear security regime within a State rests entirely with that State. Responsibility for the implementation of physical protection rests with the holders of the relevant licences or of other authorizing documents.

Functions of the Security Working Group

- To provide experience, share good practices (including practical training materials) with a view to being the **focal point between the nuclear industry and the global nuclear security architecture** on matters relating to nuclear security.
- To shape a coordinated industry view on how nuclear security objectives can best be implemented or strengthened in a manner consistent with national and international legal and regulatory frameworks, commercial considerations and the **industry's social licence**, including the corporate governance arrangements for security.

Functions of the Security Working Group (continued)

- To communicate the industry view related to nuclear security to the International Atomic Energy Agency whenever possible in order for it to be considered by the IAEA during the improvement of their recommendations and guidelines.
- To listen to and act on the concerns of **newcomer countries** and to encourage market entrants to apply appropriate and effective security arrangements and training at their facilities and in their operations, and thus **contribute to the expansion of nuclear power as a low-carbon energy source**.
- To promote a **diverse workforce** for nuclear security that is competent, valued and motivated to strengthen organizational culture and performance in relation to security.

Agenda of the Security Working Group

An agenda was adopted in 2019 to work on the following topics:

- A. Mitigating insider threats
- B. Security of small modular reactors
- C. Cyber security
- D. The safety-security interface and security culture
- E. Corporate governance of security
- F. Promoting a diverse workforce

Nuclear security addresses many threats ... and risks



PIRACY



FRAUD



CYBER
CRIME



HUMAN ERROR
WITHOUT
MALICIOUS INTENT



TERRORISM

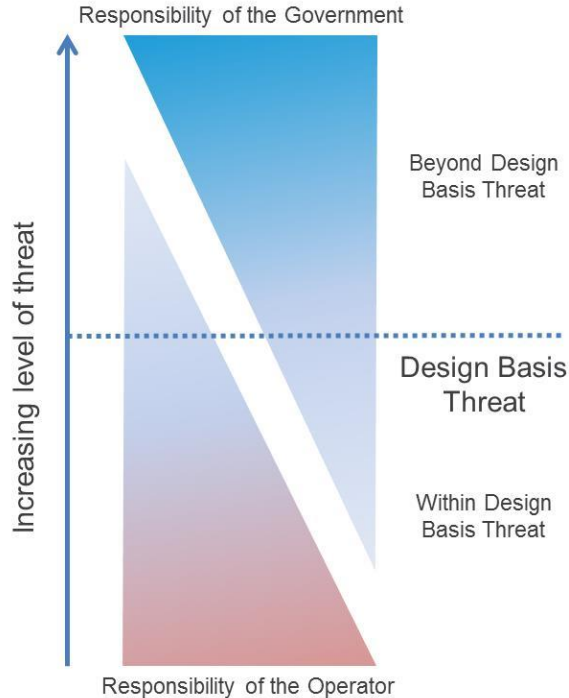


ROBBERY



BRIBERY

Nuclear security is a shared responsibility



The security management system includes physical protection measures, ensuring the confidentiality of sensitive information and maintaining a security culture.

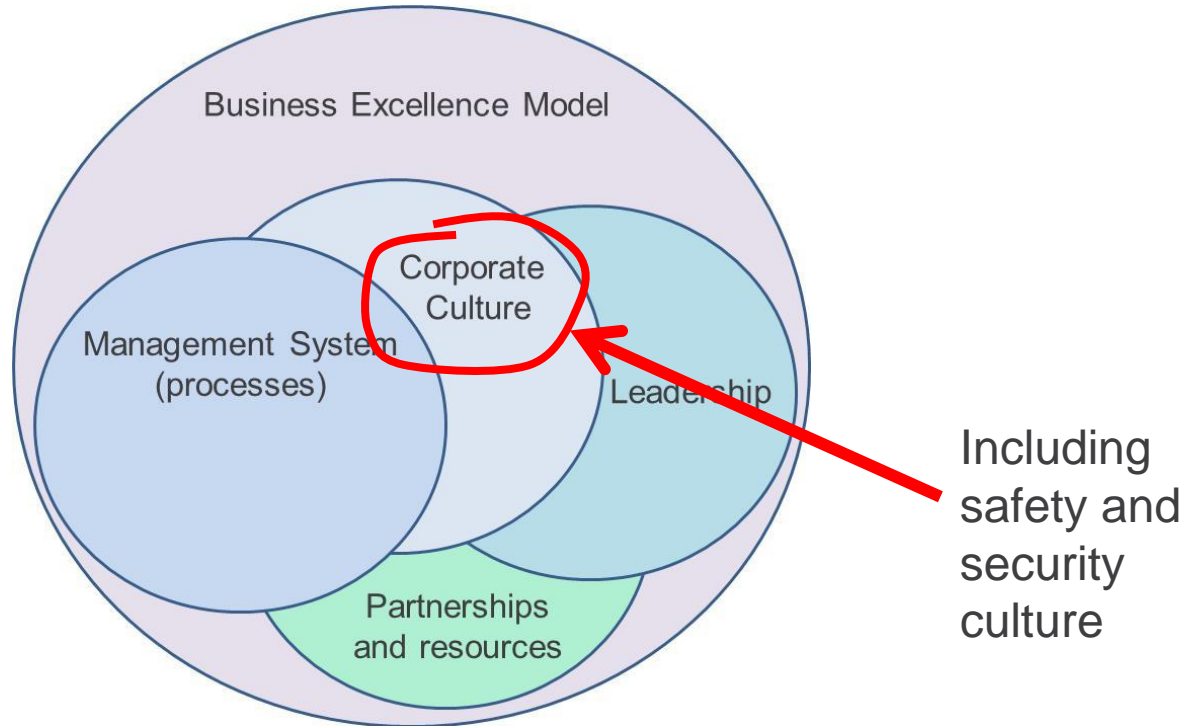
Procedures and good communication between the operator (nuclear license holder) and the State authorities (including the police and armed forces) are essential in order to respond to threats that are beyond the operator's capacity to manage.

Safety and security are outcomes from good risk management

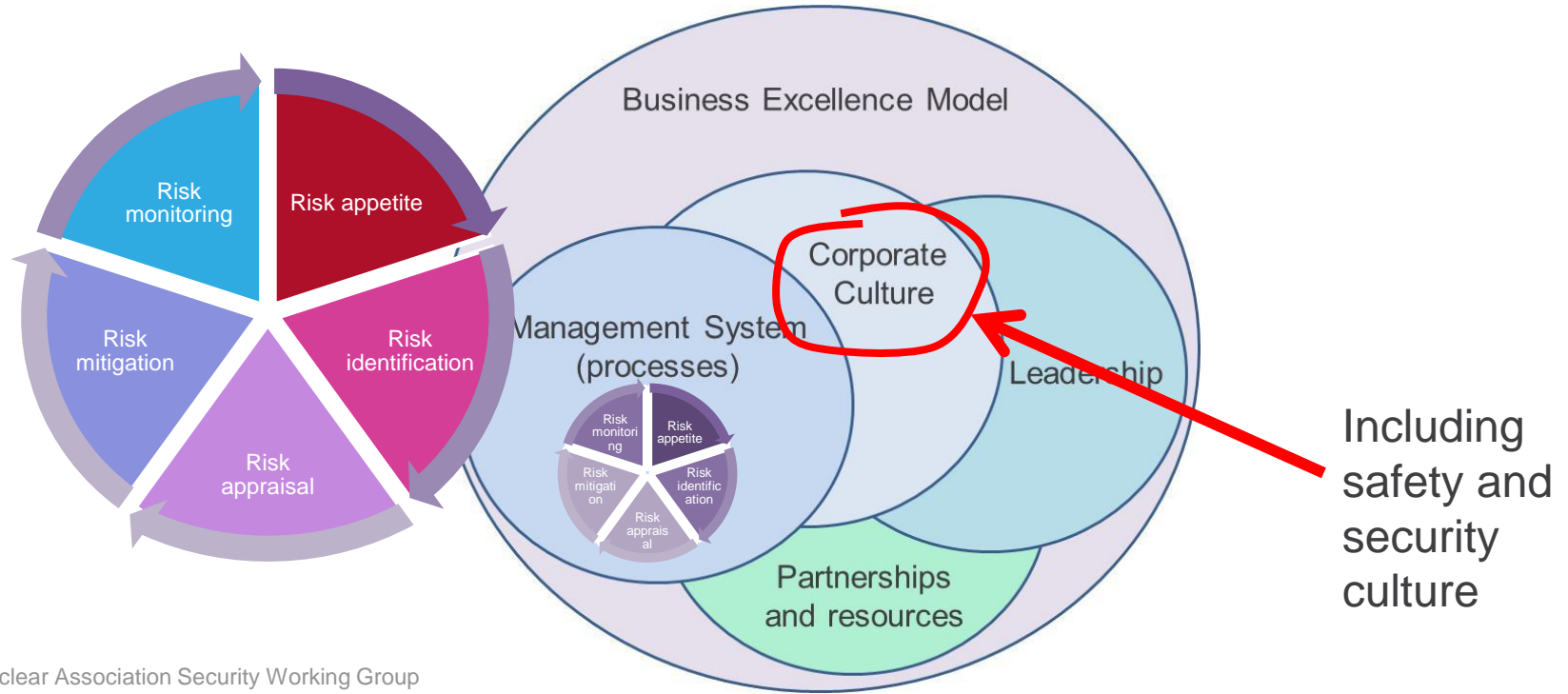
Risk management is central to business strategy. Organizations draw up risk registers as part of a formal process to identify, analyse and evaluate the risks to their business and to put in place measures to address the risks, appropriate to their severity.

		Probability		
		Unlikely/ Rare	Possible/ Occasional	Likely/ Frequent
Impact	Severe	Manage risks	Reduce risks	Eliminate risks
	Moderate	Tolerate but monitor	Manage risks	Reduce risks
	Minor	Tolerate risks	Tolerate but monitor	Manage risks

Risk management is integral to the management system



Risk management is integral to the management system



**Nuclear energy is
an important part
of the solution**



Thank you:

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