



WINs Online Workshop

Designing and implementing transport security exercises

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NTS

Nuclear Transport
Solutions

Introduction



Nuclear transport security challenges



IAEA

International Atomic Energy Agency

Incident and Trafficking Database (ITDB)

Transport-related

Overall, about 52% of all thefts reported to the ITDB since 1993 have occurred during the authorized transport of such materials. This figure stands at almost 62% in the last decade, which highlights the ongoing importance of strengthening transport security measures.

52%
occurred during
authorized transport



Key threats

Hostile state actors



Non-state actors –
terrorism, piracy



Insider



Organised crime
groups and cyber
criminals



Direct action groups,
activists and hacktivists

Mitigation of threats



Deter

- Security guards and armed guarding presence
- Robust packaging and containment
- Transport information restrictions
- Role based access (physical and cyber)
- Vetting process



Detect

- Security guards and armed guarding presence
- CCTV and surveillance systems
- Tamper proof seals and indicators
- Staff awareness



Delay

- Security guards and armed guarding presence
- Robust packaging and containment
- Locking protocols and key access restrictions



Respond

- Security guards and armed guarding presence
- Escort services
- Police
- Military

Key Steps – Similarities & differences

- Identifying the need for an exercise
- Agree the aim and objectives of the exercise
- Set out realistic and challenging scenarios
- Ensure key stakeholders are involved throughout
- Conduct the exercise & adapt when needed
- Review and implement change



Limitations and simulations

- It can be difficult to simulate a full scenario
- Focus on key areas of concern or weakness
- Pause or restart if necessary to get the value
- Simulation or TTX can be a lower cost solution
- Limited Performance testing



Collaboration & Evaluation

- Collaborate with the key partners
- Test comms methods – initial through to regular
- Understand the risks associated with others
- Review the exercise and the performance
- Encourage participant feedback & ideas
- Create actionable tasks



Questions?

