



14 November 2017

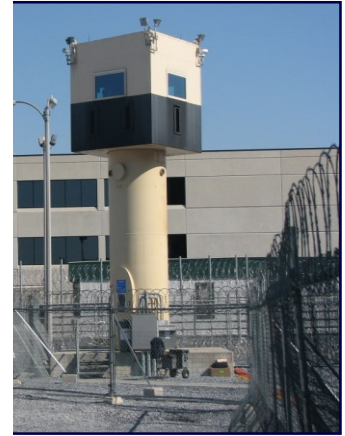
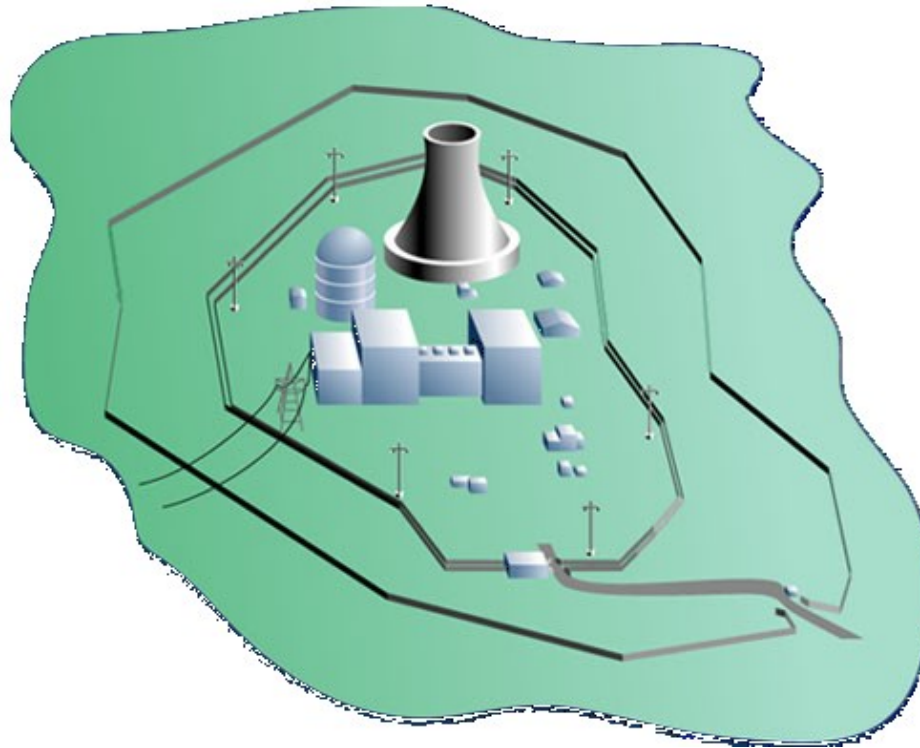
# **Proposed Approach for Crediting a Law Enforcement Response to a Physical Attack on a Nuclear Power Plant**

# U.S. Security Programs

- U.S. Nuclear Regulatory Commission
  - Ensures that **licensee** security programs and contingency plans **deal with threats, thefts, and sabotage** relating to special nuclear material, high-level radioactive wastes, nuclear facilities, and other radioactive materials and activities that the NRC regulates
  - [NRC description](#)



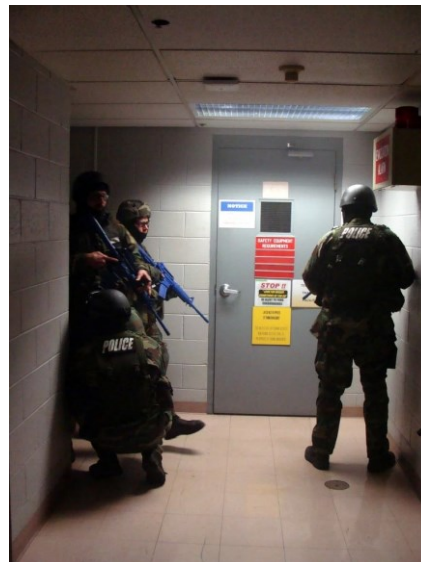
# Physical Protection Based on Stand-Alone Response



Current U.S. NRC policy is that a licensee is expected to defend against the Design Basis Threat (DBT) without external assistance

# NEI Paper - Desired Outcome

Allow U.S. power reactor licensees to credit a law enforcement tactical response supporting performance of operator actions to prevent or mitigate radiological sabotage



# Challenge

Develop a basis that provides ***reasonable assurance*** that a law enforcement tactical team can enable performance of an operator action to prevent radiological sabotage during an attack on a nuclear facility:

- Tactical team capabilities
- Concept of operations
- Procedures
- Personnel and equipment
- Training and drills

# Security Bounding Time (SBT)

- SBT is the **elapsed time**, measured from the beginning of an attack, **required for a law enforcement tactical team to eliminate potential or actual adversary interference** sufficient to enable performance of an operator action
  - Joint planning and agreements with a law enforcement agency
  - Establish security program elements necessary to gain a SBT, and for maintenance and periodic verification
  - Due to differences in law enforcement tactical response capabilities from site-to-site, the use of the SBT process by a licensee will be voluntary



# Types of Law Enforcement Assistance



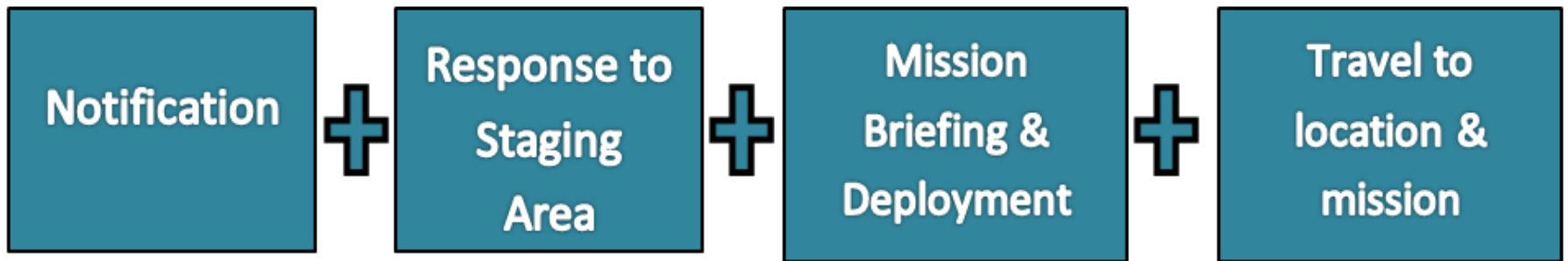
# Site Actions

- Identify the operation action
- Planning and procedure development
- Verify and validate
- Obtain a Letter of Agreement
- Determine the Security Bounding Time



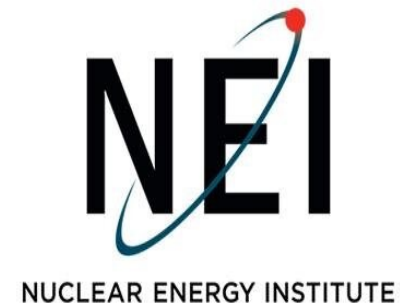
# Determine SBT

Considers four elapsed time components:



Using the sum of these four elapsed times, the licensee will consult a table to determine the site-specific SBT

# NRC & Stakeholder Engagement



- Commissioners
- Management
- Technical Staff

- Public meetings
- Closed meetings
- Drop-in meetings
- Other interactions

- Management
- Advisory Committees
- Working Groups



# Thank You

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