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](#)

[Image of U.S. Nuclear Regulatory Commission logo]
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

- Area sweeps and searches
- Protective Escorting

- Setting a perimeter
- Adversary containment or neutralization
SiteActions

- 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:

- Notification
- Response to Staging Area
- Mission Briefing & Deployment
- Travel to location & mission

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

Susan Perkins-Grew
spg@nei.org

Senior Director
Nuclear Security & Incident Response