

# Considerations For An Enhanced Safety and Security Defense-in-Depth Strategy During Hostile Action Events

National Radiological Emergence  
Preparedness Conference

# ***Introductions***



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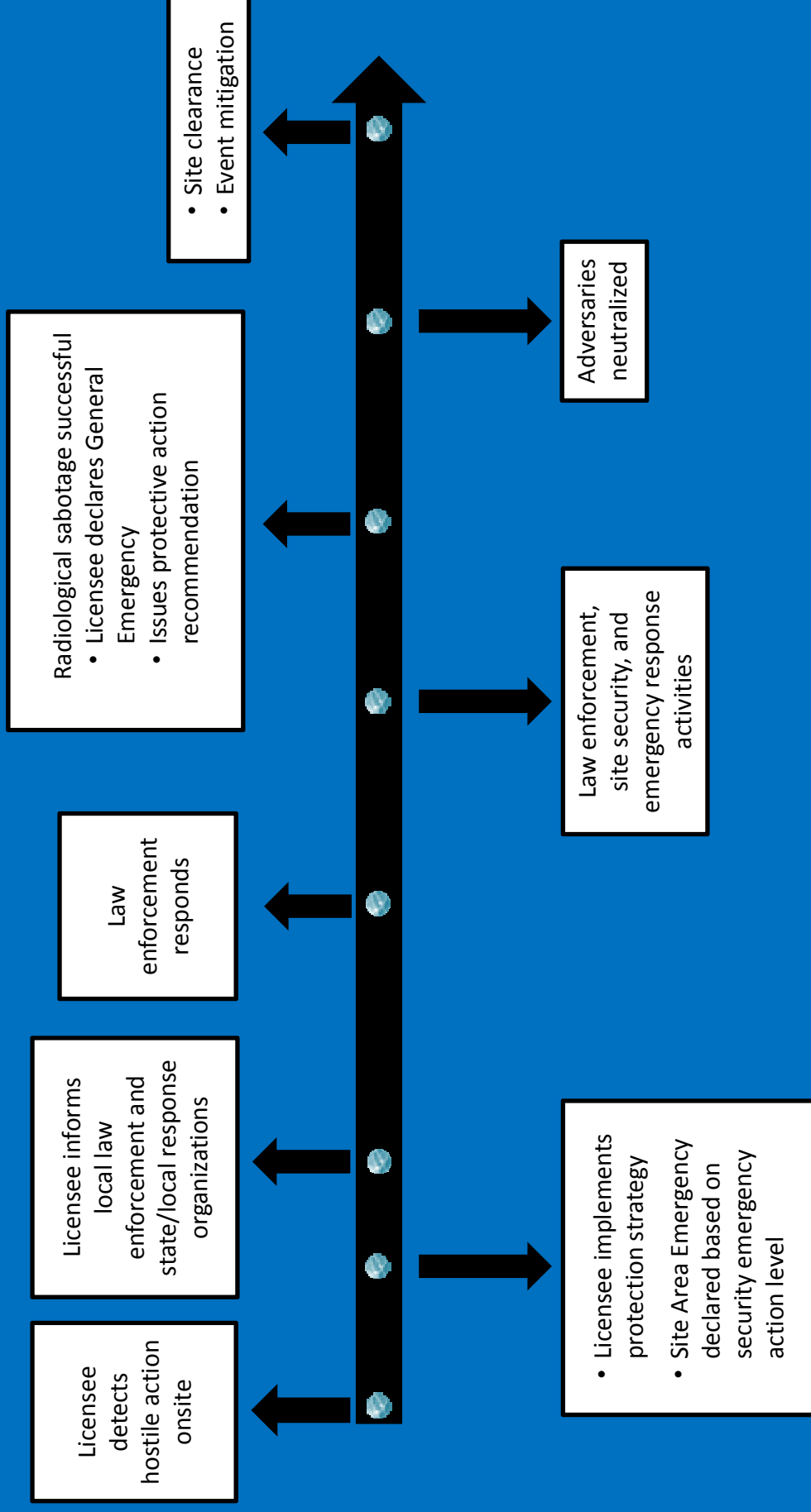
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# ***Defense-in-Depth***

## **Objectives of Session**

- Enhance awareness of existing security/emergency preparedness demonstration activities
- Multiple layers of security and emergency response
  - Force-on-Force (FOF)
  - Hostile Action Based (HAB) EP exercise
  - Integrated Response Program (IRP) exercise

# Nominal Event Progression



# ***Force-On-Force Exercises***

- Purpose
  - Verifies that licensees can protect against the design basis threat of radiological sabotage and theft or diversion of nuclear material with high assurance
- Regulation
  - Title 10 of the *Code of Federal Regulations* (10 CFR) Part 73, “Physical Protection of Plants and Materials”
- Site Activities
  - Licensee conducted force-on-force exercises
  - Force-on-force exercises conducted by the NRC
- Frequency
  - Annually, licensee-conducted force-on-force exercise
  - Triennially, NRC-evaluated force-on-force exercises

# ***Integrated Response Program***



- Purpose
  - Voluntary program designed to integrate law enforcement tactical responses with licensee actions to protect public health and safety, promote the common defense and security, and protect the environment
- Regulation
  - Supports NRC's Design Basis Threat (10 CFR 73.1)
  - Enhances Safety/Security Interface (10 CFR 73.58)
  - Helps to ensure Emergency Plan implementation in an active hostile environment
- Activity and Frequency
  - Integrated Response Plans: reviewed annually, updated as needed
  - Computer-aided planning tools: develop 6 tools/year until complete
  - Tabletop exercises: vision for all sites once every 3 years
  - Limited exercises: vision for all sites once every 3 years

# ***NRC Hostile Action-Based EP Exercise Evaluation***

- Purpose
  - Coordinate Security, Operations, ERO and ORO actions to successfully respond to and mitigate plant damage before site is declared secure
- Regulation:
  - 10 CFR Part 50, Appendix E, Section IV.F, “Training”
- Inspection Activity
  - Ability to conduct biennial exercise in a hostile action environment
  - Critique process to identify and correct weaknesses
  - Classification, notification, protective action recommendation, dose assessment activities
  - Employee and emergency worker protection
  - Coordination with offsite officials at Incident Command Post
- Frequency
  - Once every 8-year exercise cycle

# Current Force-on-Force (FOF), Integrated Response Program (IRP) and Hostile Action-Based (HAB) Exercise Comparison Highlights

<b><u>TOPIC</u></b>	<b><u>FOF</u></b>	<b><u>IRP</u></b>	<b><u>HAB</u></b>
<b>Regulatory Requirement</b>	X	None	X
<b>Exercise Planning</b>	60 days notice	Scheduled	Scheduled ( 8-year cycle)
<b>Mock Adversary Force</b>	X	Not Required	--
<b>Safeguards Information</b>	X	X	--
<b><u>Licensee Participation:</u></b> <ul style="list-style-type: none"> <li>■ Operations</li> <li>■ Security Force</li> <li>■ ERO</li> </ul>	X (limited) X --	X (limited) X (limited) --	X X (limited) X
<b><u>Offsite Participation:</u></b> <ul style="list-style-type: none"> <li>■ Law Enforcement</li> <li>■ Emergency Management</li> <li>■ ICP/UC (ICS)</li> </ul>	-- -- --	X (tactical) X (tactical medics) X (tactical)	X (non-tactical) X X
<b>Communication Interfaces</b>	X (onsite)	X (Security/ Operations/ Law Enforcement)	X



# ***FEMA Insights***



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# FBI/NRC Integrated Response Program

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- Integrated Response Plan
  - Template
  - Protected Area Operations
  - All Levels of Law Enforcement
  - FBI Office responsibility
- Contingency Response Tool
  - Floor plans
  - Photo gallery
  - Tactical information
  - Limited to Protected Area and “Power Block” buildings
- Table-Top Exercise
  - Review/Validate Integrated Response Plan
- Limited Field Exercise
  - LLEA navigation through interior of plant
  - Tests LLEA communications plan
  - Wide exercise scope

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# Questions



# ***Contact Information***



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