



GridEx IV

Members and PJM Coordination Awareness Presentation

Audience: **Security and Resilience Advisory Committee (SRAC)**
Friday, March 17, 2017

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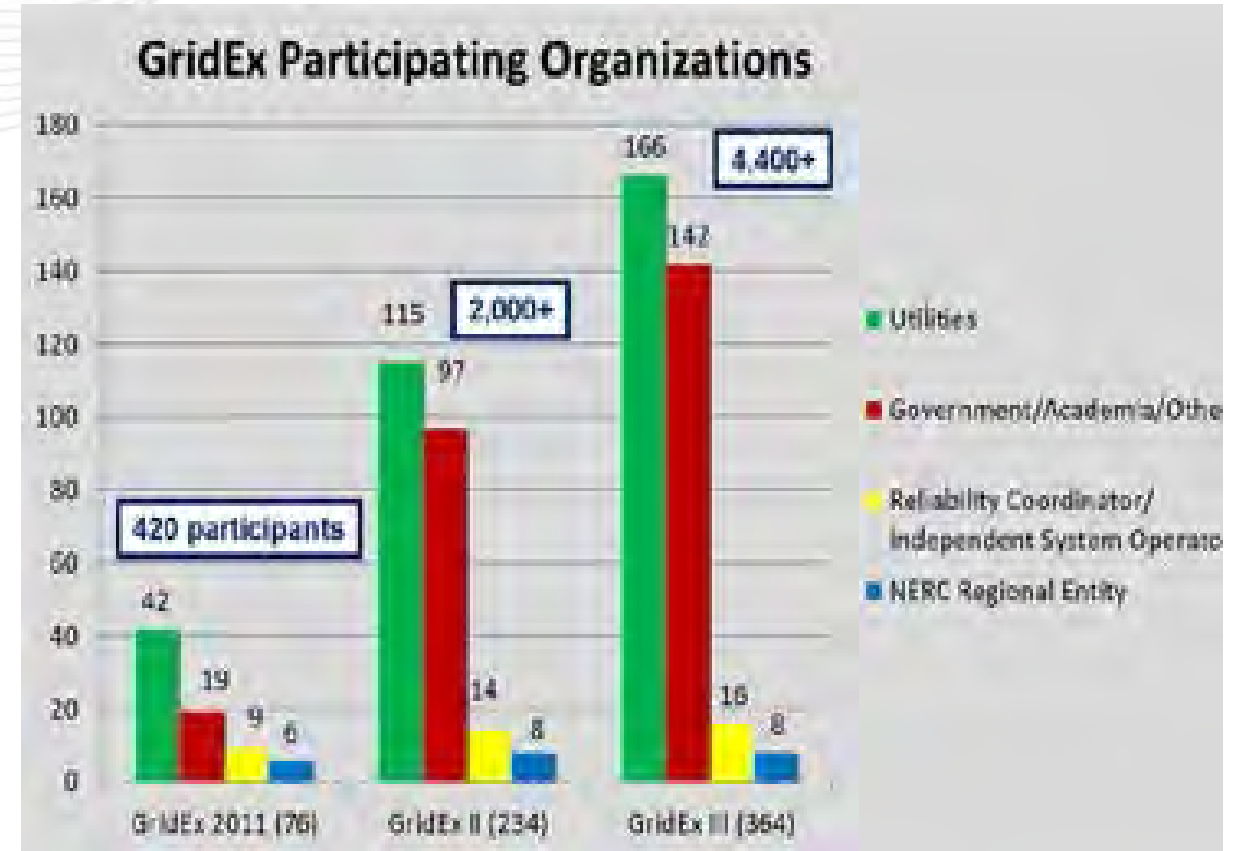
What: GridEx is an unclassified public/private exercise designed to simulate a coordinated cyber/physical attack with operational impacts on electric and other critical infrastructures across North America to improve security, resilience and reliability.

When: NERC Sponsored, North America-wide grid resilience exercise conducted every 2 years. For 2017 dates will be November 15 – 16.

Purpose: Strengthen the industry’s capability to respond to and recover from simulated severe security events affecting the bulk power system.

Who: NERC-registered entities and others as determined by individual entities (e.g., law enforcement, local government, suppliers). Voluntary, not mandatory.

How: Simulated cyber and physical attacks that degrade bulk power system operations.



GridEx IV Objectives

Exercise incident response plans

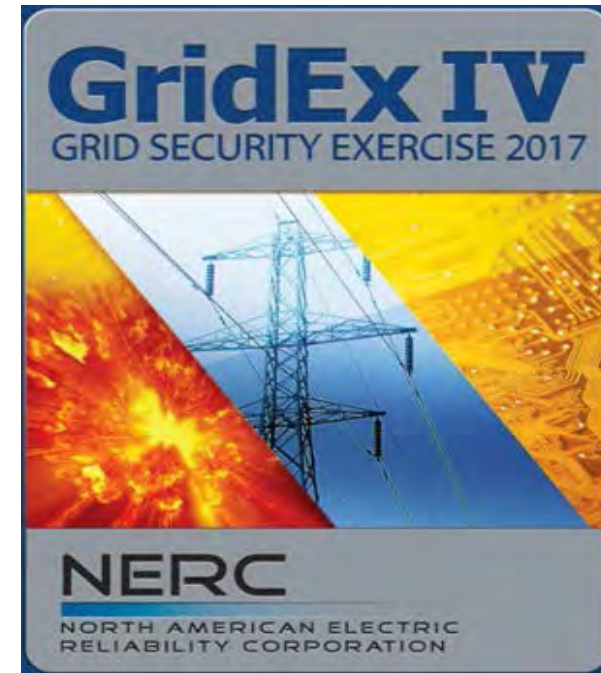
Expand local and regional response

Engage critical interdependencies

Improve communication

Gather lessons learned

Engage senior leadership



During the exercise, PJM will participate in the following capacities:

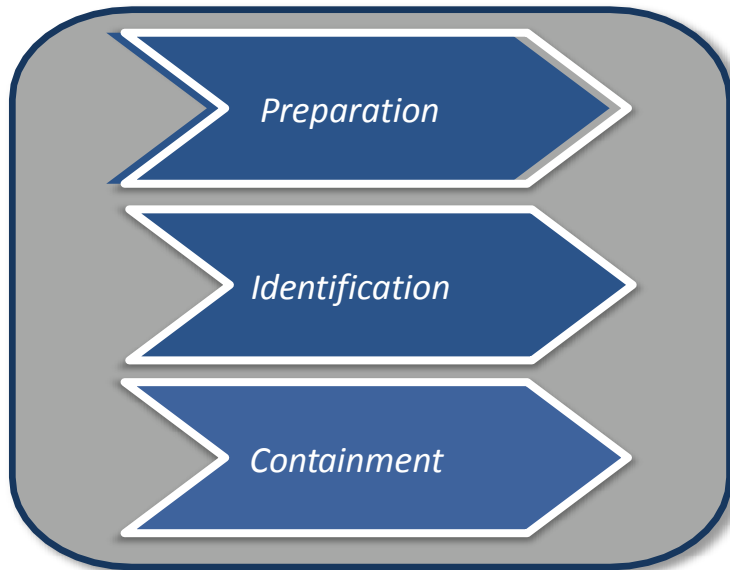
- Balancing Authority
- Crisis Communications
- Cyber Security Incident Response
- IT Disaster Asset Level Recovery
- Physical Security Incident Response
- Reliability Coordinator

Coordinated Planning:

- PJM and Organizational Lead Planners will customize the GridEx IV Master Scenario Event List (MSEL).
- Organizational Lead Planners will identify locations to be notionally attacked.
- If available, training simulators will be used for exercise play on Nov 15, 2017 and Nov 16, 2017.

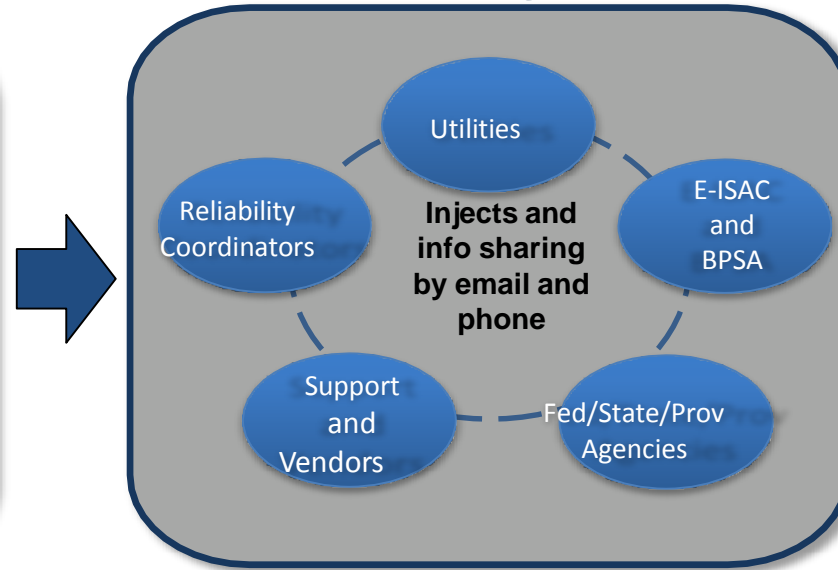


Move 0 Pre-Exercise



Operators may participate in Cyber Intrusion detection activities

Move 1 – Move 4 Distributed Play (2 days)



Players across the stakeholder landscape will participate from their local geographies

Executive Tabletop (1/2 day)



Facilitated discussion engages senior decision makers in reviewing distributed play and exploring policy triggers

