



GridEx III

Members and PJM Coordination Awareness Presentation

Audience: Operating Committee (OC) and Systems Operations Subcommittee (SOS)

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GridEx III Facts

What: North American-wide exercise conducted every 2 years

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 III Objectives

1

Exercise crisis response and recovery

2

Improve communication

3

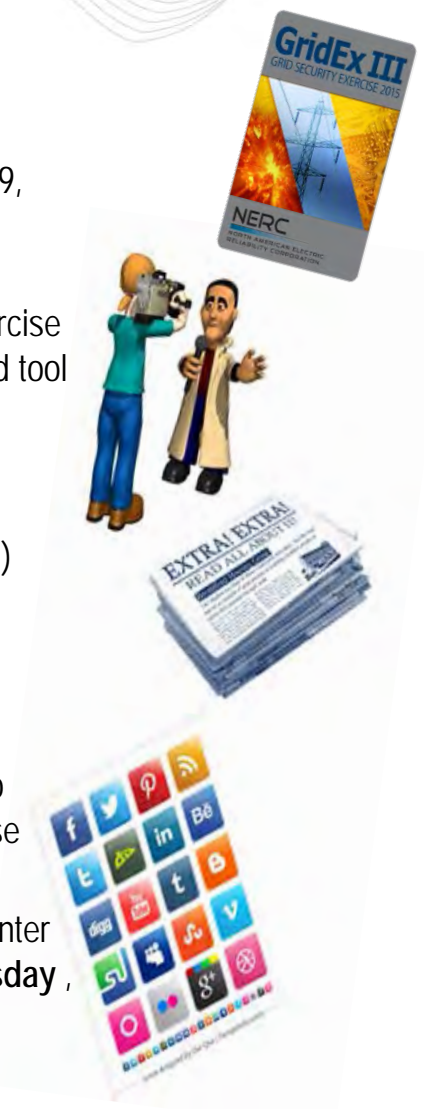
Identify lessons learned

4

Engage senior leadership

As with the prior GridEx Exercises (2011 and 2013), GridEx III (November 18, 2015 to November 19, 2015) will revolve around a grid-focused operational exercise scenario, which has cyber security, physical security, and crisis communications components.

- Participants will take part in the exercise from their normal place of work over the two day exercise period. Injects from the Master Scenario Event Lists (MSEL) will be delivered via a centralized tool to registered exercise participants.
- The scenario has been developed in **collaboration** with security subject matter experts in the electricity industry and with other private and public stakeholder organizations (including the Department of Energy's Idaho National Laboratory and Pacific Northwest National Laboratory.)
- In addition to the challenges posed by cyber and physical attacks, participants will receive simulated news reports from traditional **TV and radio media and social media channels**.
- An **executive tabletop exercise** will be hosted on the final day of the exercise.
- PJM will use its **Dispatch simulator with off duty operations personnel** who will respond to injects from Master Scenario Events List (MSEL) as they are released by Booz Allen's Exercise Control Team.
- A **Base Case** for the simulation will be employed to ensure that PJM and members are encounter congruent values with their respective Simulators. The base case date is tentatively **Wednesday, August 19, 2015 at 0800 hours**.



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

- Balancing Authority (Dispatch)
- Crisis Communications (Corporate Communications and Corporate Incident Response Team)
- Cyber Security Incident Response (Enterprise Information Security, Information Technology Operation Center, and Information Technology Services Subject Matter Experts)
- IT Disaster Asset Level Recovery (Information Technology Services and BCP SMEs)
- Physical Security Incident Response (Physical Security Management Team)
- Reliability Coordinator (Dispatch)

Planning and Participation:

- **Organizational Lead Planners** will participate in conferences calls and **identify exercise participants ("Players")**.
- **PJM and the Organizational Lead Planners** will customized the MSEL to ensure that local exercise objectives are achieved.
- **Organizational Lead Planners** will register their organizations as either an **"Active"** or as an **"Observing"**
 - **Active** organization are directly involved in planning, dynamic exercise play and after action activities
 - **"Observing"** organization will participate in a less resource-intensive manner. They may share their response or retain them to themselves.

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GridEx III Planning and Coordination meetings:

- PJM and Members' Lead Planners Coordination Bi-weekly Meetings (underway) next meeting is **August 5, 2015**.
- Reliability Coordinator to Reliability Coordinator Coordination Monthly Meetings (NYISO, MISO, PJM) (underway) next meeting is **August 20, 2015**.
- PJM Corporate Communications and Members Corporate Communications Coordination Meetings (Tentatively starting August 14, 2015).

The Ask is the following:

- Determine if your company is going to be an active participant in GridEx III.
- If so, please have your lead planner email the PJM GridEx 2015 Planning Team at PJM_GridEx_2015_Planning_Team@pjm.com so that we may include them in the bi-weekly planning and coordination discussions. This must be done prior to **August 14, 2015**.
- PJM Training will reach out to participating companies to coordinate training requirements for the exercise.
 - For companies using a simulator during GridEx, the date and time for the base case will be **August 19, 2015 at 0800 hours**.



