



# GridEx VI After Action Report

## General Overview and Lessons Learned

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- 21 Organizations Participated
  - 71 Planners and trainers
  - 63 Total players
  
- Two Days
  - November 16<sup>th</sup> and 17<sup>th</sup> (0900-1700)
  - 16 CEHs
  - Participant Debrief – November 19<sup>th</sup>

- 43 Simulator Injects
  - The idea was to keep it a “Security Drill”
    - Little or no blackout/restoration/load dump
    - Focus was cyber and/or physical attack
- 27 Non Simulator Injects
  - Most non simulator events required some form of notification to PJM/DOE
    - Common events were civil unrest, physical and cyber attacks.

- Unique scenarios
- Text message notification tool for simulator inject activation was well received.
- Phone calls and associated preparation went well
  - Communications test
  - All Call test
- Member driven injects were challenging for PJM operators
- Members that involved more than operations reported good feedback from support groups.

- Start the planning earlier
  - Move the process up by about two months.
- More inject meetings
  - Initial meeting to discuss plan and scope
  - Second meeting to finalize event
  - Third meeting to demonstrate simulator events to ensure coordination.
- Provide more opportunities for companies to coordinate events
  - TO to TO and TO to GO

- Test the All Call earlier
- Text messaging tool
  - Test it earlier
  - Send out text messages earlier (ten minutes vs five minutes).
- Provide contact information for NERC, DOE, other alphabet groups
- Better communications for simulator operators (possible WebEx or MS Teams meeting)
  - Adhere to the script timing
  - Provide a script document with times and events

- Improve opportunities for “inject creep”
  - If operators deviate from script communicate with all facilitators so as not to surprise
- Improve the use of SimDeck
  - Tool was clunky to use
  - Request training from E-ISAC
- Looking into issue of SharePoint auto logging off

Please provide any additional comments to  
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