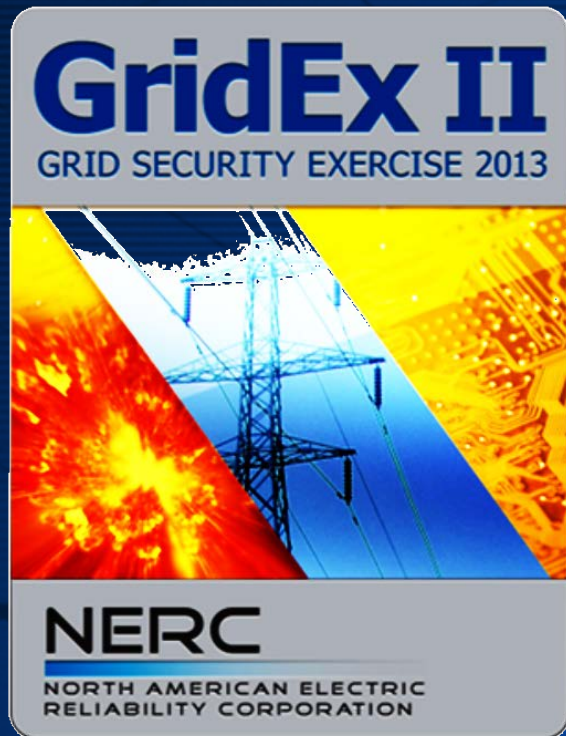


NERC GridEx II



Update for SPP

Chris Beckman
Arkansas Electric Coop. Corp.





Overview

- Who, What, When...of GridEx II
- Lead Planner concept
- Likely participants (aka players) at your organization
- GridEx II Construct and Agenda
- Example Inject
- Regional Play (SPP GridEx II Task Force)
- Benefits of participating in GridEx II
- Accessing the GridEx II Web Portal



What is GridEx II?

- Must have been a GridEx I.
- Conducted in November 2011.
- NERC-led exercise to assess the readiness of the electric sector to respond to a cyber incident.
 - 75 industry and government organizations from the U.S. and Canada participated.
- GridEx II builds on GridEx I and combines a geographically distributed environment with a much more robust scenario than GridEx I.
 - Designed by NERC and Booz | Allen | Hamilton

What is GridEx II?

- The majority of players will participate in the GridEx II from their normal places of work.
- Players will engage in both internal response activities and external information sharing activities across the sector.
- An Exercise Control (ExCon) cell, based in VA will:
 - Manage scenario distribution
 - Monitor exercise play
 - And capture response activities
- NERC and BAH will distribute after action report.

Who is participating?

- 102 Full Player Organizations

- Each assigned a Lead Planner who had a role in shaping the scenario.
- Participated in planning conferences, which culminated with the FPC on October 1.
- Full Player orgs will respond to all exercise activities and copy or report their responses to NERC and BAH.

- 49 Monitor/Respond Organizations

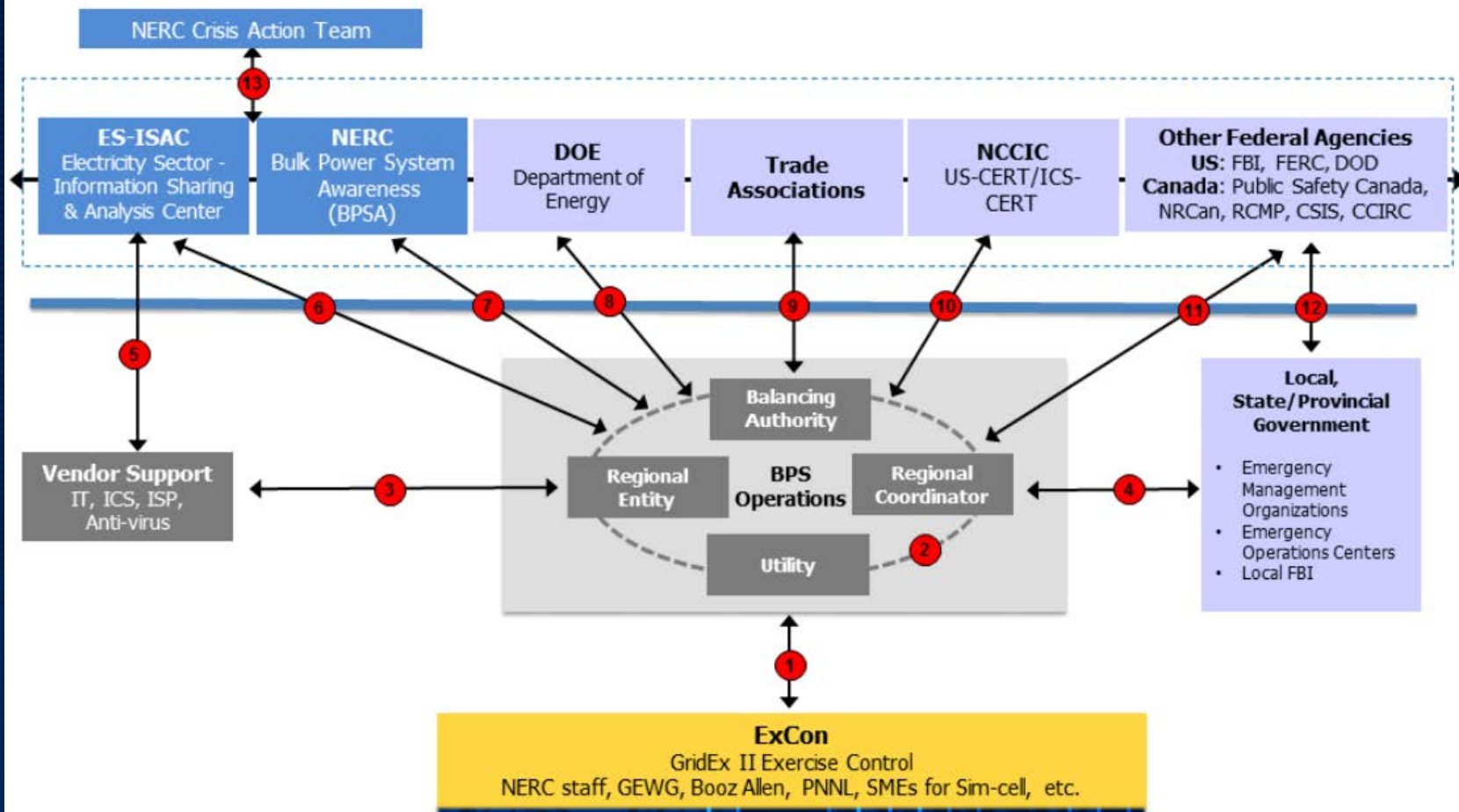
- Should also assign a Lead Planner to coordinate the exercise for their org.
- Monitor/Respond orgs only exercise the scenario internally.
- Can gather key personnel and just act like it's an internal table top.

Total Registered Organizations



Major Communication Paths

GridEx II Communication Map illustrates major communication paths during the exercise



When is Grid Ex II?

Day One: 13 November 2013

8:30-9:00: C/E Conference Call

9:00-9:15: Opening Remarks

9:15-9:30: Final C/E Preparation

9:30 Official Exercise Start

9:30-12:30: Move One Exercise Play

12:30-1:00: Optional C/E Call

1:00 Start Move Two

1:00-5:00: Move Two Exercise Play

5:00-5:30: Controller/Evaluator Wrap-up Call

Day Two: 14 November 2013

8:30-9:00: C/E Conference Call (Optional)

9:00-9:15: Final C/E Preparation

9:15 Start Move Three

9:15-1:00: Move One Exercise Play

1:00-2:00: Break and Internal Review

2:00-4:00: GridEx II Hotwash

Executive Table Top – Nov. 15

- 10 CEOs from industry selected by Electricity Sub-sector Coordinating Council (ESCC) will participate
- 10 assistant secretary level players from government (DOE, DHS, DOD, FEMA, etc.)
- 10 facilitators to provide discussion injects, moderate discussions, and facilitate discussion on industry response to previous two days.





Where is Grid Ex II?

- “Distributed” Exercise
- Meaning that players will participate from where they are:
 - Office
 - Home
 - Or any other area that their Lead Planner designates.
 - Backup site for simulated, functional play.
 - Employee meeting room for convenience.

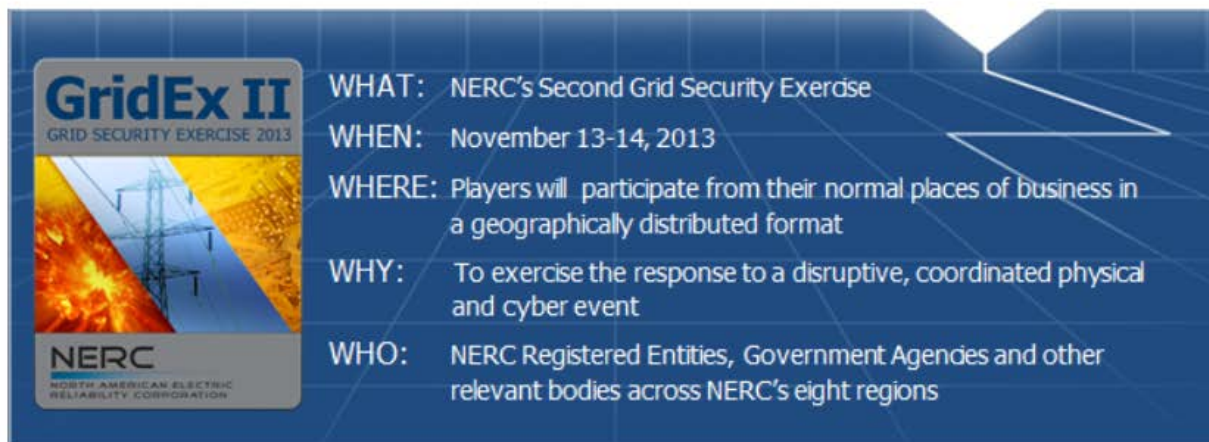


How to participate

- ✓ Assign a Lead Planner.
 - Will register organization as full player or monitor.

GridEx II Registration Site

<http://events.signup4.com/exercisedirectory>



GridEx II
GRID SECURITY EXERCISE 2013

WHAT: NERC's Second Grid Security Exercise

WHEN: November 13-14, 2013

WHERE: Players will participate from their normal places of business in a geographically distributed format

WHY: To exercise the response to a disruptive, coordinated physical and cyber event

WHO: NERC Registered Entities, Government Agencies and other relevant bodies across NERC's eight regions

NERC
NORTH AMERICAN ELECTRIC
RELIABILITY CORPORATION



RELIABILITY | ACCOUNTABILITY

Lead Planner duties

- ✓ Lead Planner should contact Me or Lesley Bingham to coordinate Regional Play.
- ✓ Lead Planner will determine and notify individual employees that need to participate.
- ✓ LP should also assign internal Controllers/Evaluators to help conduct exercise.




Likely Players per MSEL

- Internal

- Most of your Key Personnel
 - Those with defined roles within your Incident Response and Business Continuity Plans.
- Utility Market/Trading Personnel
- Corporate IT Network and SCADA
- IT Security
- Physical Security
- Corporate Communications/Media Relations

- External

- Member Utilities
 - Local L/E, FBI, and DHS
 - NERC ES-ISAC
 - DOE
- 



Exercise Control (ExCon)

- Herndon, VA



Inject Distribution Design

ExCon



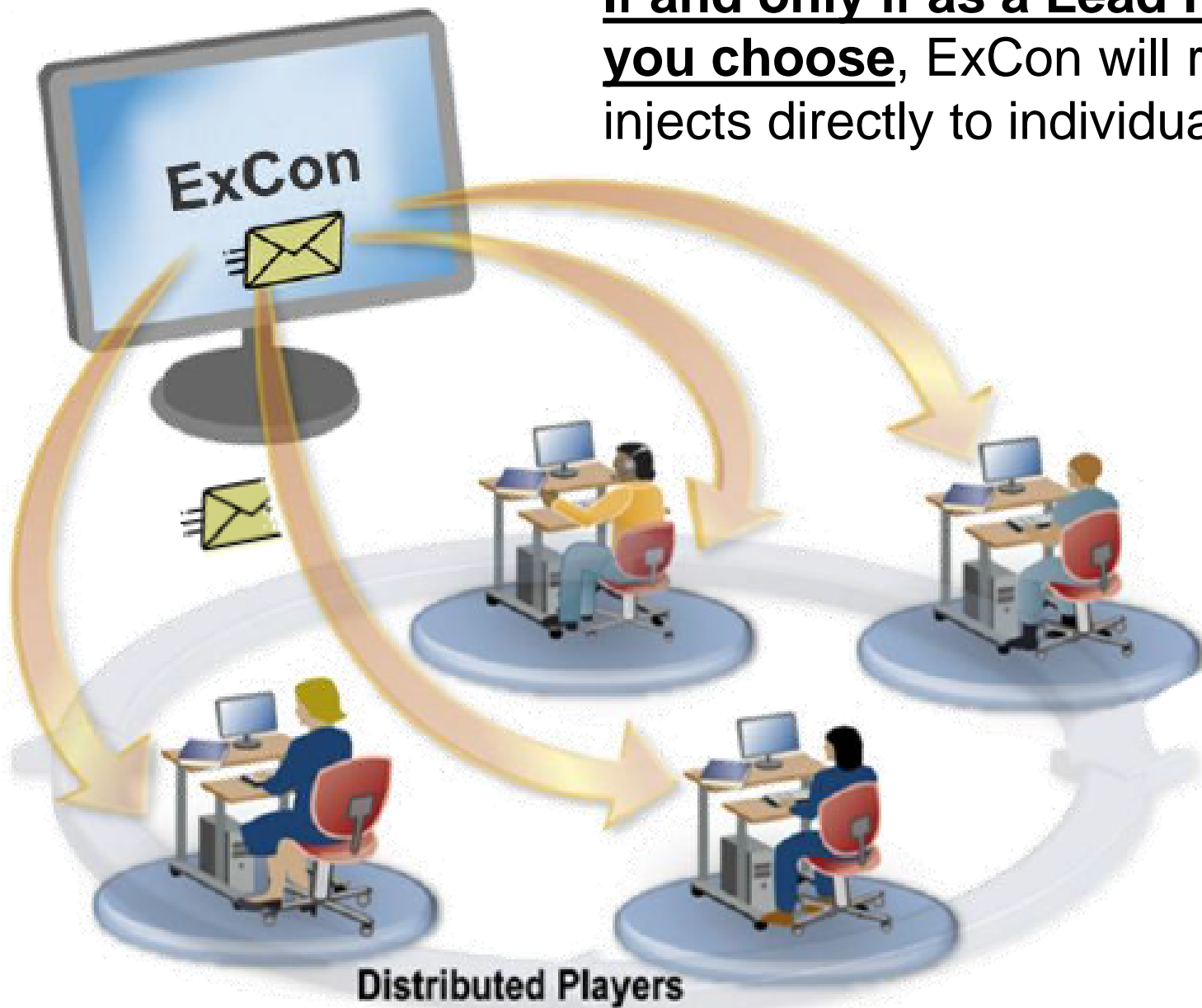
Lead Planner



Players



If and only if as a Lead Planner
you choose, ExCon will route
injects directly to individual players.



Must be registered w/ NERC at: <http://events.signup4.com/exercisedirectory>

Exercise Agenda

Day One: 13 November 2013

8:30-9:00: C/E Conference Call

9:00-9:15: Opening Remarks

9:15-9:30: Final C/E Preparation

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12:30-1:00: Optional C/E Call

1:00 Start Move Two

1:00-5:00: Move Two Exercise Play

5:00-5:30: Controller/Evaluator Wrap-up Call

7
Injects

12 Injects

Day Two: 14 November 2013

8:30-9:00: C/E Conference Call (Optional)

9:00-9:15: Final C/E Preparation

9:15 Start Move Three

9:15-1:00: Move One Exercise Play



1:00-2:00: Break and Internal Review

2:00-4:00: GridEx II Hotwash

11
Injects



Example Inject

From:  gridex2@exercisedesigndashboard.com
To:  lead_planner@acmeutility.com
Cc:
Subject: EXERCISE: GRIDEX II INJECT: MERC.1.5

EXERCISE EXERCISE EXERCISE

Your corporate desktops and laptops are failing to boot up properly or at all. Additional Help Desk tickets are opened due to corporate IT equipment failure.

EXERCISE EXERCISE EXERCISE

Injects will also be videos

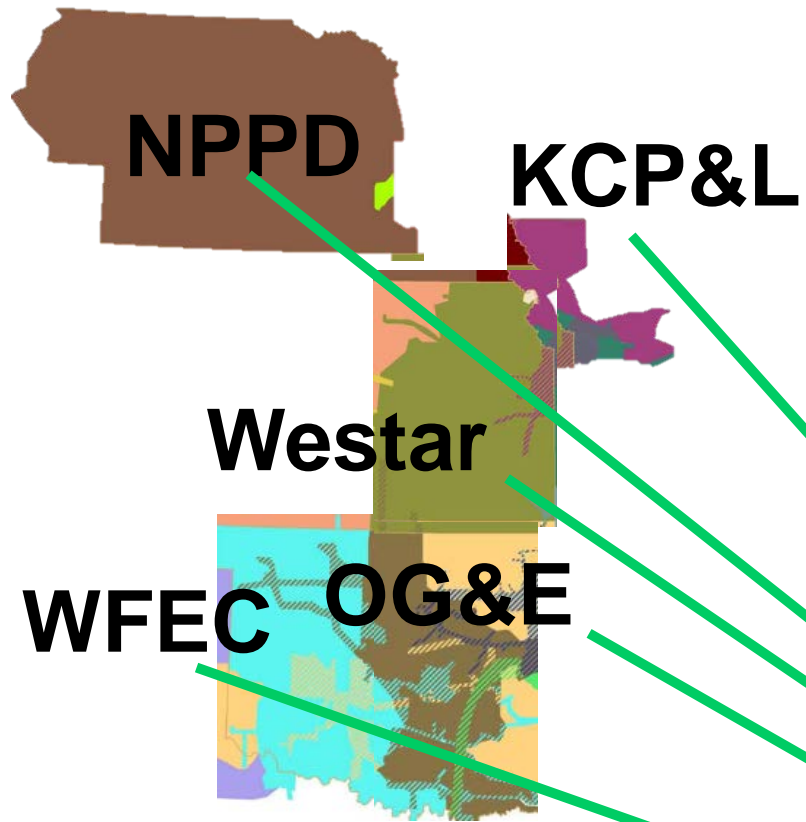
Lead Planner will need to coordinate video access by Nov 1st.



Regional Play (SPP GridEx II Task Force)

- SPP is going to have an open conference call during the exercise.
 - To catch areas where SPP Members respond similarly....
 - So that we may integrate areas that are found to be similar into each of our plans.
 - Which would allow a coordinated, regional response next time.
 - And a better coordinated, regional response during a real emergency event on the system.

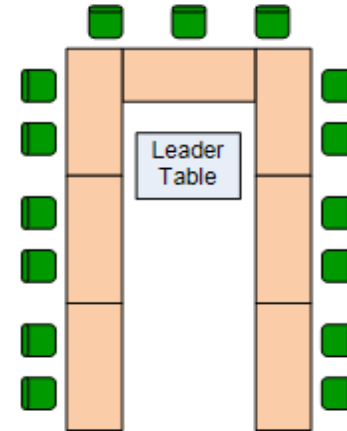
- 9:00-9:15 = NERC's Opening Remarks
 - SPP Call Opens
 - SPP Takes a Roll Call from Scribe at each location.
- 9:30 = Official Exercise Start
 - Periodically, Scribe calls in to SPP to report exercise responses
 - TBD how often we call in.



Inject / Video Screen

How AECC will setup our exercise room.

Lead Planner



Snacks

Lunch

Lunch

Coffee

Post Exercise SPP After-Action Review

Day One: 13 November 2013

- 8:30-9:00: C/E Conference Call
- 9:00-9:15: Opening Remarks
- 9:15-9:30: Final C/E Preparation
- 9:30 **Official Exercise Start**
- 9:30-12:30: Move One Exercise Play
- 12:30-1:00: Optional C/E Call
- 1:00 **Start Move Two**
- 1:00-5:00: Move Two Exercise Play
- 5:00-5:30: Controller/Evaluator Wrap-up Call

Day Two: 14 November 2013

- 8:30-9:00: C/E Conference Call (Optional)
- 9:00-9:15: Final C/E Preparation
- 9:15 **Start Move Three**
- 9:15-1:00: Move One Exercise Play
- 1:00-2:00: Break and Internal Review

2:00-4:00: GridEx II Hotwash



Why participate in GridEx II?

- For AECC, we have to exercise annually.
 - To walk through our plans against a mock scenario when the sky is blue.
 - Cross that bridge...mentality ain't gonna work.
 - Find where improvements in plans can be made.
- For me, it's a free table top scenario.
 - I'm not having to draft one from scratch.
 - Must tailor it to be effective, but if you're a Monitor/Respond player, you don't have to share your responses with NERC.
- If I've sold you....



Accessing BAH Portal

- <http://events.signup4.com/exercisedirectory>

Documents

- GridEx II IPC
- GridEx II Recruitment Materials
- Lead Planner Scenario Documents
- GridEx II Planning Call Documents
- GridEx II MPC



DRAFT GridEx II MSEL_082313 !NEW



Lead Planner Checklist_07032013



NERC GridEx II Scenario Development Narrative_071213



Physical Volunteers and RCs (21 Aug 13)



Sample Customized Entity Injects from DRAFT GridEx II MSEL_082313 !NEW

Need access? Contact: Palazzolo_Nina@bah.com

Player resources and education material

- Player Orientation from the FPC was recorded and it can be sent to players.
- A link will be provided on the BAH portal.
- Planner and Player Handbooks will also be available on the portal.
 - **Planner Handbook will be posted to the portal within a week.**
 - **Player Handbooks will be available 2 weeks prior to the exercise.**

Between now and next SPP GETF call

- Use the “*Lead Planner Checklist*”
- Mainly:
 - Look at the “*Master Scenario Event List*” (MSEL) spreadsheet on the BAH Portal.
 - Look at “*Sample Customized Entity Injects*” spreadsheet on BAH Portal.
 - Begin to customize injects for your organization
 - I’m customizing my org’s with a simple PowerPoint.
- Identify and register your players @
<http://events.signup4.com/exercisedirectory>
 - Communications’ check on November 7th

GridEx II Points of Contact

Booz | Allen | Hamilton

General Support

David London

GridEx Support
london_david@bah.com
703-377-7459

BAH Web Portal Support

Nina Palazzolo

GridEx Support
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703-377-6176

Regional

CIPWG GridEx Task Force

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