ISERnet Update 2018/2019


October 2018
Outline: ISERnet Update 2018/2019

1. ISER and the Role of the EEAC
2. ISERnet Purpose and Current Status
3. ISERnet Update Plans
4. Discussion
5. Next Steps
1. DOE’s Sector Specific Agency (SSA) Authorities

**FAST Act (2015)**
Codified DOE’s SSA Role

**PPD-21** – Establishes a shared responsibility among the Federal government, SLTT entities, and public and private owners and operators for CI security and resilience

**PPD-41** – Federal Government’s response to any cyber incident involving government or private sector entities

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**U.S. Department of Energy (DOE) Office of CESER**
Infrastructure Security and Energy Restoration (ISER) Division

- State, Local, Tribal, and Territorial Governments (SLTT)
- Oil and Natural Gas Subsector Coordinating Council (ONG SCC)
- Electricity Subsector Coordinating Council (ESCC)
- Energy Government Coordinating Council (EGCC)
- Emergency Support Function #12 – Energy
1. Infrastructure Security and Energy Restoration (ISER)

**Preparedness and Exercises**

- Energy Sector Exercises
- Energy Assurance Planning
- Sector Specific Agency Responsibilities
- Risk and Hazards Analysis
- International & Defense
- Cyber Preparedness

**Emergency Response and Recovery**

- Emergency Response
- Cyber Incident Coordination
- Energy Sector Situational Awareness and Analysis
1. Energy Emergency Assurance Coordinators (EEACs)

- Established in 1996, updated agreement signed in 2016 to include NEMA, NARUC, and NGA.

- Program designates primary and secondary contact for each sector (petroleum, electricity, natural gas) for States, DOE and industry in event of an energy emergency.

- Provides credible, accurate, and timely source of information and updates on actions taken.

- Goal is to improve information-sharing and communication and lower response times.
2. ISERnet Purpose and Current Status

A Reference Guide to State Energy Assurance Plans has been prepared to facilitate peer sharing of state energy assurance plans. States can utilize this guide to quickly locate specific elements in energy assurance plans that are well-developed, unique, or innovative. States are encouraged to examine neighboring states’ plans and identify opportunities for regional coordination and collaboration.

If your State’s plan or a more recent update is not listed and you would like to have it posted on this site, please email a
3. ISERnet Update Overview

**Goal**

To update ISERnet by implementing changes requested by users, recent reports (including lessons learned from the 2017 season), and DOE stakeholders

**Stakeholders**

- ISERnet
- State EEAC/ESF# 12
- DOE

**Timeline**

Train users on changes by spring for use in the 2019 hurricane season; updates should be complete by ~March 2019
3. Functional Requirements

A non-technology specific function that describes e.g.:

- A document repository for XYZ types of documents with an easy way to manage (update, reuse, reference) the documents
- A real-time chat or communication capability to exchange and record/register information with members of my mission community
- A way to access information XYZ in a better way

Functional requirements can be:

- already implemented and working (ISERnet)
- already implemented and not working (ISERnet)
- not implemented, with examples of where done elsewhere (in states, industry, etc.)
- not implemented, no examples of where done elsewhere
### 3. SLTT Program Components and ISERnet
(Draft)

<table>
<thead>
<tr>
<th>Communication - Steady State</th>
<th>Communication - Incident</th>
<th>Information - Steady State</th>
<th>Information - Incident</th>
<th>Training</th>
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</thead>
<tbody>
<tr>
<td>ISER → EEAC</td>
<td>ISER → EEAC</td>
<td>Energy Assurance Information (Plans, Guidelines, etc.)</td>
<td>Situation Reports</td>
<td>Training Content (Videos, Classes, Tests, Learning Material)</td>
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<tr>
<td>EEAC ↔ EEAC</td>
<td>EEAC ↔ EEAC*</td>
<td>Risk Profiles</td>
<td>Dashboard</td>
<td>Certification/Certificate</td>
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<td>EEAC → ISER</td>
<td>EEAC → ISER</td>
<td>Energy Infrastructure Maps and Data</td>
<td>Waiver Library</td>
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<td>*during EEAC call, states mentioned they might not need/want additional communication during incident to focus on response efforts</td>
<td>DOE Events and Reports (Exercises etc.)</td>
<td>State Events and Reports (Exercises etc.)</td>
<td>EEAC Contact Information</td>
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<td>AARs</td>
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<td>EEAC Contact Information</td>
<td>Incident Maps and Data</td>
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<td>Outage Reports</td>
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- **Communication - Steady State**: ISER → EEAC, EEAC ↔ EEAC, EEAC → ISER
- **Communication - Incident**: ISER → EEAC, EEAC ↔ EEAC*, EEAC → ISER
- **Information - Steady State**: Energy Assurance Information, Risk Profiles, Energy Infrastructure Maps and Data, DOE Events and Reports, State Events and Reports, AARs, EEAC Contact Information
- **Information - Incident**: Situation Reports, Dashboard, Waiver Library, EEAC Contact Information, Incident Maps and Data, Outage Reports
- **Training**: Training Content (Videos, Classes, Tests, Learning Material), Certification/Certificate
3. SLTT Program Functional Needs - Examples (Draft)

<table>
<thead>
<tr>
<th>Program Component</th>
<th>Functional Requirement</th>
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<tbody>
<tr>
<td>Information – Steady State</td>
<td>• Sharing of Documents from EEAC, States, and National Associations</td>
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<tr>
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<td>• Sharing of Documents from DOE to EEAC and States</td>
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<td></td>
<td>• Energy Infrastructure Maps and Data (Links)</td>
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<td>• Information on DOE and State Exercises</td>
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<td>Information - Incident</td>
<td>• Situation Reports</td>
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<td>• Eagle-I and Outage Information</td>
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<tr>
<td>Communication – Steady State and Incident</td>
<td>• Easy and Fast Communication ISER to EEAC</td>
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<tr>
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<td>• EEAC Contact Information</td>
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<tr>
<td>Training</td>
<td>• Training Content</td>
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<td>• User Credentials</td>
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4. Discussion

• What do you use ISERnet for?

• What else would you like ISERnet to be able to do?

• What can safely be taken off of ISERnet that you don’t use?

• Thoughts on potential examples noted earlier?

• What is most important to you to be added first?
5. Next Steps on ISERnet

- Review, consolidate, categorize, aggregate, prioritize
- Provide output results to user input groups
- Develop a coordinated business case and alternatives analysis
State and Local Team

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