Shaken Fury
Exercise Update
1. Establish enhanced information sharing practices across the whole community to improve preparedness, response, recovery, and mitigation in response to a catastrophic incident. (Operational Coordination [Mitigation, Response and Recovery], Intel and Info Sharing, Situational Assessment)

2. Demonstrate the ability of state and federal response and recovery efforts to collaborate with the whole community to adjudicate and allocate critical resources to affected communities. (Operational Coordination)

3. Demonstrate integrated, real-time field reporting capabilities, and incorporate field reports at appropriate scales in Emergency Operation Centers. (Operational Coordination, Intel and Info Sharing, Situational Assessment)

4. Validate mutual aid resource planning and tracking capabilities to improve coordination among whole community partners. (Planning, Intel and Info Sharing, Operational Coordination, Threats and Hazards Identification, Operational Communications, Situational Assessment)
Shaken Fury

Objectives

5. Demonstrate federal capability to execute resource phasing plans to meet state resource shortfalls. (Planning, Intel and Info Sharing, Operational Coordination)

6. Demonstrate the ability to integrate Emergency Support Functions and Recovery Support Functions to support whole community recovery. (All Recovery core capabilities)

7. Demonstrate the ability to organize, coordinate, and deliver targeted public health and medical services including establishment of temporary medical facilities, medical surge operations, and patient evacuation and transport to save lives and reduce suffering of disaster survivors. ([Response and Recovery] Public Health-Healthcare-and Emergency Medical Services, Health and Social Services)

8. Demonstrate the ability to coordinate and deliver mass care services to address the needs of disaster survivors. (Mass Care, Housing [Response and Recovery])

9. Demonstrate the ability to expedite impact assessments and recovery prioritization of critical infrastructure assets to include development of courses of action for execution of temporary and/or permanent repairs and identification of cascading effects, in coordination with the whole community (to include private sector owners and operators). (Infrastructure Systems)
Lifelines/Essential Elements of Information (EEIs)

TASK DESCRIPTION
• Establish/document preferred approaches by each state for lifeline reporting
• Coordinate EEI information sharing from states to the CUSEC Regional Information Sharing Portal (RISP)
• Identify data sources, develop tools, and train users to improve processes to capture and share EEIs

OUTCOME
• Operational information sharing from states to the RISP
• Standard local and regional Lifeline Reports
FEMA WebEOC Integration

TASK DESCRIPTION
• Establish the degree that each state will:
  (1) Integrate/use FEMA WebEOC and
  (2) Need support for Resource Request and FEMA Lifeline Boards

OUTCOME
• Established information workflows for each state to support FEMA Lifeline Reporting and access/awareness to FEMA resource requests
**CUSEC Regional Information Sharing Portal (RISP)**

**TASK DESCRIPTION**
- Engage new and existing partners to develop ‘standard’ RISP products and services
- Demonstrate how RISP provides a regional view of EEI status and improve awareness of RISP

**OUTCOME**
- Coordinated Information Sharing with state and county reports and dashboards to summarize EEIs and support FEMA Lifeline Reporting
- Increased awareness/support for RISP activities for further outreach and partnerships to help provide standard information products that support CUSEC states
CUSEC Regional Information Sharing Portal (RISP)

Key Components:

1. **Coordinated Information Sharing** - CUSEC Member States and other partners

2. **Information Product Delivery** - RCOP Viewer/Dashboard Series

3. **Automation Scripts** - Data integration, Power Outages, Social Media, SABER Business Disruption

4. **Historical Data Analysis** - Power outages, WebEOC integration
BUILDING SAFETY ASSESSMENT APPLICATION

TASK DESCRIPTION

• Transition Building Safety Assessment Application to states to host and manage

• Coordinate sharing safety assessment data from field > state > region (CUSEC RISP)

• Support Building Safety Assessment Programs (just in time training, SF MSELs, etc.)

OUTCOME

• State-hosted and supported building safety assessment application
Social Media Integration

**TASK DESCRIPTION**

- Identify and coordinate with communities interested in using social media to test whole-of-community information sharing during Shaken Fury.
- Support local communities in contributing to FEMA crowdsourced and social listening reports and to the official Senior Level Briefing (SLB) during Shaken Fury.

**OUTCOME**

- Documented coordination between federal, regional, state, and local government agencies and incorporation of local actionable content into reports.
- Allow CUSEC and trusted local agents to build capacity to deal with non-traditional information (such as social media) and apply lessons learned to a real-life disaster.
DoD/NGB/DHS CIO Coordination

TASK DESCRIPTION

• Support the DoD/NGB/DHS CIO Working Group with identifying objectives and exercise play that would demonstrate information sharing across departments, in support of the DoD Joint Staff J6 and DHS MOU

• The activities observed in SF19 would support the updating or creation of new doctrine that supports Defense Support of Civilian Agencies (DSCA)

OUTCOME

• Demonstrated sharing capabilities between the civilian and military at the regional level through the CUSEC RISP and Ardent Sentry Org.
Current Progress

- CUSEC RISP
- FEMA Lifelines/EEIs
- FEMA WebEOC Integration
- Building Safety Assessment
- Social Media Integration
- DoD/NGB/DHS CIO Coordination
CUSEC Regional Information Sharing Portal (RISP)

- Four information products developed/integrated in the RISP to share information with the whole of community:
  - Power outages
  - FCC DIRS (Communication Status)
  - SABER
  - GasBuddy
- Engaged with all eight CUSEC states to discuss access and use of RISP and associated information products
- Injects have been inserted into the JMSEL which prompt states to review RISP information products online or receive information products directly via email
- Will continue to work with states and FEMA Regions up to and during Shaken Fury to support use of the RISP

Summary Reports

Operations Dashboards
Fuel / GasBuddy Emergency Tracker Dashboard

- Used by GasBuddy in 2016 for Hurricane Mathew and Colonial Pipeline Outage
- New features added in 2017 and tested in Hurricanes Harvey and Irma to allow to list their own outages.
- 2018 Hurricane Season, GasBuddy began working with State and Federal Agencies to provide State Summaries
  - Including in Shaken Fury 19 with FEMA providing station status analysis for stations in the immediate impact zone. CUSEC RISP will have dashboard and summary reports
- Long-term goal is to establish a continuing relationship with GasBuddy to support standard reporting of information to CUSEC States
Energy / Power Outages

- Developed post-CAPSTONE-14 to initiate new EEI Development effort focused on identifying existing systems and available for daily use.

- CUSEC integrates data from more than 100 different electric utilities across the region to provide a county level summary of customers affected (30 minute updates). Similar process is done by several states and shared with FEMA during disasters.

- Event summaries have been compiled and included in requests for Presidential Declarations.

- DOE providing simulated outage data for Shaken Fury

- Updating based on suggestions to allow states ability to add missing counts for providers without automated systems. Also allowing ‘over-ride’ capability to help for exercises. Also adding summary reports.
Communication Status (FCC DIRS) Dashboard

- Data is provided by the FCC Disaster Information Reporting System (DIRS) during large disasters.
- DIRS provides information on communications infrastructure, including:
  - Status of PSAP sites;
  - Status of Wireless Services / cell sites, including the total number and percentage of cellular sites out of service by county and/or state;
  - Estimate number of Cable Systems and Wireline subscribers out of service;
  - Total number of Broadcast TV and Radio stations out of service, including station call signs.
- During 2018 Hurricane system, Georgia EMA published DIRS service/dashboard during Michael and Florence activations. Data was integrated into the CUSEC RISP
- Will provide Comms outages info in the RISP based on exercise ground truth data
Private Sector Status (SABER)

- SABER provides a platform to enable private sector organizations to share status on operations disruption and restoration with authorized government agencies and other approved organizations.
- Membership includes over 40 private sector companies, and over 50 public sector agencies.
- Coordinating with SABER and FEMA on simulated business disruption data for use in exercise.
  - SABER will push simulated business disruption data through their system, and CUSEC will host the SABER-ArcGIS Online integration scripts that will be shared via the CUSEC RISP.
  - Data will also be aggregated at the county level for a regional picture of business disruption and provided through a pdf snapshot.
Current Progress (Lifelines/EEI’s)

Automated EEI Reports

- Building automated summary reports to support Lifeline reporting processes
- Will engage with states to support building state-specific reports

Reports from CUSEC States

- Reports are a CUSEC RISP-based service based on shared data.

Reports from 3rd Parties
Starting in January, have engaged with all eight CUSEC states on Lifelines, but focus has been on five states that are playing.

Held in-person meetings with KY and TN to discuss EEIs and Lifeline reporting, using either Juvare Exchange or logging in directly into FEMA’s WebEOC.

Engaged with MO, MS, and AR around WebEOC use and options for integration.

- Senior Leadership Brief
- State Lifeline Report
Current Progress (Lifelines/WebEOC)

Worked with Kentucky EMA to enhance monitoring and status updates for the Kentucky Water Division using ArcGIS Online and WebEOC.

Local updates to water critical infrastructure status demonstrates alignment of Water Utility Status EEI with Lifelines.
## Current Progress (Building Safety Assessment)

<table>
<thead>
<tr>
<th>Building Safety Assessment</th>
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<tbody>
<tr>
<td>Conducted trainings with Structural Assessment and Visual Evaluation (SAVE) Coalitions in TN, AR, MO</td>
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<tr>
<td>TN &amp; MO SAVE Coalitions playing during SF exercise</td>
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<tr>
<td>• Planning to have 350 MO SAVE volunteers upload simulated damage assessment data using the Building Safety Assessment Application</td>
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<td>AR SAVE Coalition playing a couple weeks prior to exercise</td>
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<tr>
<td>Injects in JMSEL will prompt SAVE Coalitions to use the application to conduct building assessments</td>
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Current Progress (Social Media)

Working with four local communities that will serve as trusted agents and interact with social media information in Simulation Deck:

- Shelby County, TN Office of Preparedness
- City of St. Louis EMA, MO
- City of Cape Girardeau, MO
- Argonne National Labs Public Affairs Science and Technology Fusion Cell, IL

Coordinating efforts with the FEMA Crowdsourcing Unit and Office of External Affairs, as well as FEMA’s Community Engagement and Communications Planning Team
Formalizing approach and specific information sharing technologies, such as NORTHCOM’s GUARDIAN, Ardent Sentry's Org and the CUSEC RISP that will be demonstrated during the exercise.

Defining the EEI's that would be shared.

Identifying potential injects that could support departmental information sharing.
Next Steps

State Coordination Efforts
- Work with states to align key WebEOC Boards (Resource Requests, Activity Log) to Lifelines, adding Lifeline Dropdown list

Integrate WebEOC Boards with ArcGIS Online, share with CUSEC RISP

Generate automated reporting functions based on state needs
Next Steps

- Provide RISP accounts and training (April-May)
- Coordinate with FEMA & other partners for exercise data to be fed through RISP (and states) dashboards and reports
- Exercise Support Efforts