

**ATTACHMENT E**  
**JOINT DISASTER INTELLIGENCE AND ASSESSMENT CELL**

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**COORDINATING:** South Carolina Emergency Management Division

**PRIMARY:** SC National Guard; SC Department of Transportation; SC Department of Administration, SC Office of Regulatory Staff; SC Department of Health and Environmental Control; SC Department of Social Services; SC Department of Natural Resources; SC Law Enforcement Division; Clemson University Livestock and Poultry Health

**SUPPORTING:** National Weather Service; United States Geological Survey; National Hurricane Center; United States Army Corps of Engineers; National Oceanic and Atmospheric Administration; Civil Air Patrol; SC Rural Water Association; Department of Homeland Security

**I. INTRODUCTION**

- A. The need for timely disaster intelligence is critical to coordinate and support response and recovery actions.
- B. Intelligence analysis reduces the ambiguity of a situation. Analysts provide assessments and forecasts of emerging issues based on essential information requirements to support decision makers.
- C. The ability to collect, analyze, assess and disseminate intelligence on disaster impacts is essential to support response and logistical priorities. Intelligence supports predictive analysis pre event and shapes response actions post event.
- D. Recognizing this process is different than the National Preparedness Goal Core Capability – Intelligence and Information Sharing, SCEMD developed the Joint Disaster Intelligence and Assessment Cell (JDIAC) as Attachment E to the South Carolina Emergency Operations Plan (SCEOP) to outline general assessments of specific threats to the State.

**II. PURPOSE**

Provide State-level disaster intelligence support through predictive analysis to assess potential impacts, determine cascading effects, and provide information necessary for decisions and resource management.

**III. SCOPE**

- A. Identifies threats and potential broad impacts to guide concept and plan development, shape exercise design and assist counties with gap analysis.
- B. Describes the assessment process using available analysis tools to identify pre and post incident impacts.

**IV. ASSUMPTIONS**

- A. A large scale event may have regional impacts that will constrain collection assets and may impede answering specific requirements for information.
- B. Intelligence products for events and disasters that require a State coordinated response will originate from the Joint Disaster Intelligence and Assessment Cell.
- C. Intelligence products for man-made disasters including acts of terrorism and cyber-attacks will originate from the South Carolina State Law Enforcement Division Fusion Center.
- D. Federal and State agencies will provide collection support to answer specific request for information pre and post event.
- E. Classification of information will remain unclassified for natural disasters and specific caveats will be applied to man-made events based on the nature of the incident.
- F. All intelligence products will be regarded as For Official Use Only (FOUO).

**V. SITUATION**

- A. Pre and post incident, the State will require specific information to coordinate and support response and recovery actions to assist responders, provide timely delivery of disaster services and guide the deployment of resources to support survivors.
- B. The type, size, area of effect, and duration of an incident will determine the span and scope of collection requirements to provide sufficient situational awareness.
- C. Employ the maximum number of collection assets to validate assumptions and verify assessments that answer information requirements to support operations.
- D. Intelligence cycles focus on potential impacts and cascading effects from 24 to 72 hours beyond the current operational period.
- E. Impact assessments of critical lifelines enable the rapid restoration of essential services to stabilize communities.

**VI. CONCEPT OF OPERATIONS**

- A. SCEMD is the coordinating agency for organizing, integrating and conducting disaster intelligence assessments enabled by federal agencies, state agencies and stakeholders.
- B. SCEMD Preparedness Section is responsible for conducting assessments to support planning and mitigation actions. During activation, provide intelligence

preparation of the operational environment to inform response and recovery actions.

- C. SCEMD will integrate a number of traditional intelligence systems to inform the analysis process deriving data from imagery, seismic, hydrographic, public health, atmospheric and radiological data.
- D. Activation of the Joint Disaster Intelligence and Assessment Cell.
  - 1. During steady state operations (blue skies), the All Hazards Plans Manager integrates intelligence assessments to update plans, SOPs and procedures.
  - 2. During activation, the state agencies/ESFs listed in the table below are responsible for seven key lifeline sectors necessary to support the well-being of the population. These ESFs form the nucleus of the cell and based on the event other agencies/ESFs may be integrated to address sector specific impacts.
    - a. A lifeline sector is a public function (e.g. transportation) or private sector service (e.g. energy) that is essential to support and sustain the population and is critical to health, safety and economic stability. Lifeline sector interdependencies may impact other critical and essential services and create direct or indirect impacts if interrupted.

Critical Lifeline Sector	Emergency Support Function	Overview	State Agency
Transportation	ESF-1	All transportation systems to include pipelines ensuring the movement of goods and services to sustain business, industry and the state work force.	SCDOT
Communication	ESF-2	All communications systems that enable sharing of information, direction of action and public information and warning.	SCDOA
Food, Water, and Shelter	ESF-6/17	All systems that provide basic need services to sustain the population before, during and after a disaster.	SCDSS/ CULPH
Health and Medical	ESF-8	All health care facilities and supporting infrastructure necessary to deliver care to sustain the population.	SCDHEC
Hazardous Material	ESF-10	All facilities and supporting infrastructure that generate substances that pose a risk to health and property when exposed to the environment;	SCDHEC

		HAZMAT may be a standalone condition or a subset of the disaster environment.	
Energy (Power and Fuel)	ESF-12	All energy generation, transmission and distribution systems and their supporting infrastructure; all fuel types to support transportation and emergency backup power to sustain the population.	SCORS
Safety and Security	ESF-13/4-9	All law enforcement, fire services, special teams and as required military forces necessary to ensure a safe and secure environment for the population.	SLED/LLR

- b. Utilizing lifelines helps establish resource priorities to repair, restore or protect these services.
- c. Enables focus reporting and information exchange during response and initial recovery.
- d. Use of a common lexicon across various stakeholders.
- e. Lifeline impact assessments are used to determine their respective status, utilizing the following standard information requirements:
  - (1) Did the incident disrupt services to the population? Where and to what extent?
  - (2) What is the impact on the population and what response/resource is required?
  - (3) Has a solution/fix to the disruption/damage been identified?
  - (4) Has a contingency plan been developed with required resources?
  - (5) Are there limiting factors that prevent the execution of the plan/solution? To what extent are they impacting the solution/fix?
  - (6) When is the anticipated restoration/repair of service/infrastructure expected?
  - (7) Have circumstances changed that will continue to affect the population?

- f. Lifeline color status reporting
  - (1) Stable: Green
    - (a) Minimal or no disruption to state or private sector industries that serve a public interest
  - (2) Degraded: Amber
    - (a) Disruption to services provided by component capabilities is causing limited impacts
    - (b) Limiting factors may inhibit restoration, repair or protection of services
    - (c) Work around solutions may prevent continued degradation to services
  - (3) Significant Impact: Red
    - (a) Disruption to services provided by component capabilities causes significant impacts services
    - (b) Significant repairs and restoration must be made; environmental conditions may prevent access; repair components may have long lead times
    - (c) Plans and actions are focused on reducing humanitarian impacts through delivery of essential services (Community Points of Distribution, Shelters, Mass Feeding, Evacuation from the area) to sustain the impacted population

E. GIS

- 1. The GIS section, located within the JDIAC, and comprised of SCEMD and SCNG staff participate in numerous coordination calls and provide planning, mapping and data support in the event of any event or disaster. These calls may include but not be limited to:
  - a. Interagency geospatial coordination
  - b. Coordinated GIS support to Region IV states requesting specific products such as Hazus runs
  - c. FEMA Remote Sensing Team coordination
  - d. Coordination with Pacific NW National Laboratory

2. The GIS section activates in two sub groups, one working on current operations in support of incident action plan operations, and the other group work alongside future operations providing support for risk assessment planning.

F. Interface with State Agencies

1. The Joint Disaster Intelligence and Assessment Cell will activate and integrate other intelligence enablers as they are deployed. This includes SC National Guard analysts and collection systems and State agencies with like collection capabilities for law enforcement, traffic management, dam safety, water and wastewater surveillance and energy.
2. An activation due to a manmade incident will also require the deployment of a pre designated liaison officer (the Risk Analysis Manager) to the State Fusion Cell to ensure the flow of information required to manage consequence management and assist in the development of intelligence products to support response and recovery operations.
3. Collaborate with State agencies to develop general and disaster specific information requirements to guide collection management to ensure common understanding of present and future state of lifeline sectors.

G. Interface with Local Operations

1. The Joint Disaster Intelligence and Assessment Cell may request specific information from local jurisdictions to assist with identifying decision points, to include critical lifeline sector status reporting.
2. The member of the disaster intelligence team that is carrying out the duty as Collection Manager will share specific information for a local jurisdiction as developed on a push or pull basis.
3. SCEMD provides an assessment template to assist in the development of local disaster intelligence assessments. The Summary Risk Assessment (SRA) tool provides a framework to capture key details on the potential impacts and capabilities to respond and recover from an event, focusing on the area, impacts to key structures, impacts on capabilities, organizations responding or affected impacts on the population and the environment.
4. County plans should identify key essential elements of information used to shape decisions (e.g. evacuation, commodity distribution sites and shelter activation) that can be shared with the JDIAC to assist with collection tasking.

**H. Interface Federal enablers**

1. Federal resources to support collection management include but are not limited to the National Weather Service (NWS), National Oceanic and Atmospheric Administration (NOAA), United States Geological Survey (USGS), United States Army Corps of Engineers (USACE), National Geospatial-Intelligence Agency (NGIA), Office of Cyber and Infrastructure Analysis (OCIA), Civil Air Patrol (CAP), Department of Defense and other commercial entities.
2. Support requests pre incident will flow through the normal request channels until a Presidential Declaration is received.
3. After receipt of a Presidential Declaration, collection management requests flow through the FEMA IMAT lead or other designated section.
4. The JDIAC may continue to submit collection management requests in accordance with the supporting agencies protocols throughout all phases on the incident.

**VII. ROLES AND RESPONSIBILITIES****A. SC Emergency Management Division**

1. Organize, staff and train assigned and attached personnel of the Joint Disaster Intelligence and Assessment Cell.
2. Integrate collection management activities into training, exercises and workshops to develop common understanding and mature essential elements of information.
3. Establish the Joint Disaster Intelligence and Assessment Cell and integrate other partners as activation warrants.
4. Develop and distribute the Executive Summary and SRA.
5. Conduct collection management meetings to shape collection priorities to assist decisions at all levels.
6. Provide, as required, assessment briefs to the Executive Group utilizing lifeline sector reporting.
7. Coordinate the development of baseline state critical information requirements.
8. Develop plans to support critical missions during an incident (CONOP).

9. Participate in all planning and GIS state, regional and federal coordination calls.

**B. SC Department of Transportation**

1. Provide personnel to assist in collection management and assessments of transportation systems.
2. Review transportation critical information requirements and adjust as necessary to shape collection management.
3. Integrate intelligent traffic systems and other platforms to provide real time assessments to assist in decision making.
4. Develop sector specific essential elements of information to provide situational awareness and inform collection management.

**C. SC Department of Administration**

1. Provide personnel to assist in collection management and assessments focused on public and private communications infrastructure.
2. Determine communications gaps to ensure continuity of operations at all levels and provide recommendations on repair and restoration priorities.
3. Assess damage impacts of key mission essential facilities that support service delivery to survivors or sustain government activities.
4. Develop sector specific essential elements of information to provide situational awareness and inform collection management.

**D. SC Department of Social Services**

1. Assist in collection management and assessments focused on mass care systems.
2. Coordinate assessments of facilities and sustainment systems to include projection of consumption rates of shelter commodities until mission completion.
3. Assess cascading impacts to determine accessibility and sustainability of mass care systems before, during and post incident.
4. Develop sector specific essential elements of information to provide situational awareness and inform collection management.

E. SC Department of Health and Environmental Control

1. Assist in collection management and assessments focused on health and medical services, and hazardous materials.
2. Coordinate assessments of facilities and sustainment systems to include projection of consumption rates of critical commodities to include but not food, fuel, water, medical supplies and hazardous materials.
3. Assess cascading impacts to determine accessibility and sustainability of health care systems and hazardous material systems before, during and post incident.
4. Develop sector specific essential elements of information to provide situational awareness and inform collection management.

F. SC Office of Regulatory Staff

1. Assist in collection management and assessments focused on energy systems and services.
2. Coordinate assessments of facilities and sustainment systems to include projection of consumption rates fuel for backup generators, major power generation or transmission components and distribution items.
3. Assess cascading impacts to determine accessibility and sustainability of energy systems before, during and post incident.
4. Develop sector specific essential elements of information to provide situational awareness and inform collection management.

G. South Carolina National Guard

1. Provide personnel to assist in collection management and assessments.
2. Assist in the collection management requests for organic and external Title 32 and Title 10 assets.
3. Coordinate, track, collect and analyze products to support response and recovery operations.
4. Develop sector specific essential elements of information to provide situational awareness and inform collection management to support deployment operations as required.
5. In coordination with the Office of Regulatory Staff, coordinate assessments of underground utilities with utilities and communications providers.

6. Assess damage impacts of key mission essential facilities that support service delivery to survivors or sustain government activities.
7. Develop sector specific essential elements of information to provide situational awareness and inform collection management.

**H. Clemson University Livestock and Poultry Health**

1. Assist in collection management and assessments focused on agricultural and animal impacts and services.
2. Coordinate assessments of agricultural and animal facilities and sustainment systems to include animal, crop, horticulture, forestry, dairy and food/feed production industries. Produce projections of consumption rates of critical sector specific commodities.
3. Assess cascading impacts to determine accessibility and sustainability of agricultural and animal services and systems before, during and post incident.
4. Develop sector specific essential elements of information to provide situational awareness and inform collection management.

**I. County Emergency Management Offices**

1. Determine collection requirements to assist in response and recovery operations.
2. Collaborate on integration of county drones into the DAART network to share and stream video to enable common understanding of the environment.
3. Participate in region specific collection management calls as required to refine the deployment of assets to address local requirements for information.

**VIII. PLAN MAINTENANCE**

This plan is maintained by SCEMD with assistance from supporting agencies in accordance with the maintenance, evaluation and review schedule in the base plan.

