

A satellite image of a large hurricane with a distinct eye, swirling over the Gulf of Mexico. The storm's eye is a small, dark, circular center surrounded by dense, white, spiral cloud bands. The surrounding ocean is dark blue, and the landmasses of North and Central America are visible in shades of green and brown. The text is overlaid on the left side of the image.

# FCC Role in Disaster Planning

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March 8, 2019

ITU Global Forum on Emergency Telecommunications (GET-19)

# FCC Regulatory Authority Over Public Safety Communications

To promote safety of life and property through the use of communications services, by:

- Identification and allocation of public safety spectrum
- Licensing of all state, local, and tribal public safety radio systems
- Technical rules to promote reliable, interoperable public safety radio communications
- Regulation of interference to public safety operations, including from commercial systems
- Supporting emergency preparedness and response activities
- Serving as a resource and information clearinghouse on issues of public safety and homeland security
- Collaborating with FEMA, NOAA/NWS to maintain the Emergency Alert System and Wireless Emergency Alerts

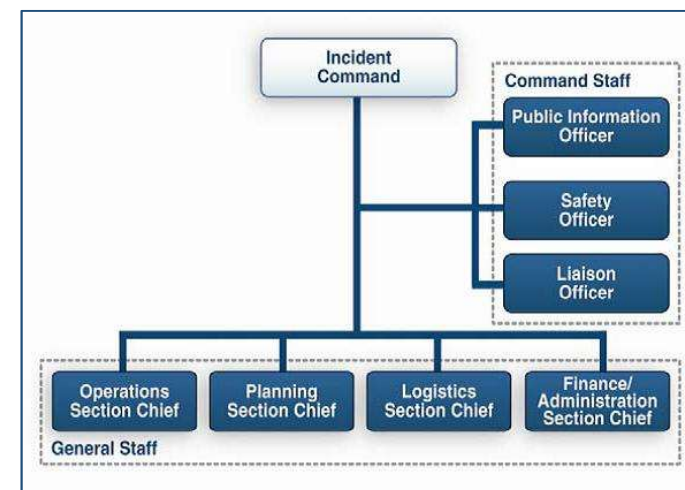
# U.S. Federal Response Structures

- All incidents start as local incidents
- Three levels for Federal response
  - National (NRCC)
  - Regional (RRCC)
  - Local (Joint Field Office)
- FEMA organizes and activates Emergency Support Functions (ESFs)
  - “Mission Assignments” task and reimburse agencies to do work and deploy personnel
- ESF#2: Communications
  - DHS and FEMA lead
  - We are a “supporting” agency
  - Government and Industry coordination
  - ESF#2 coordinates with other ESFs: energy, transportation, etc.
- National Incident Management System (NIMS)

## Emergency Support Functions

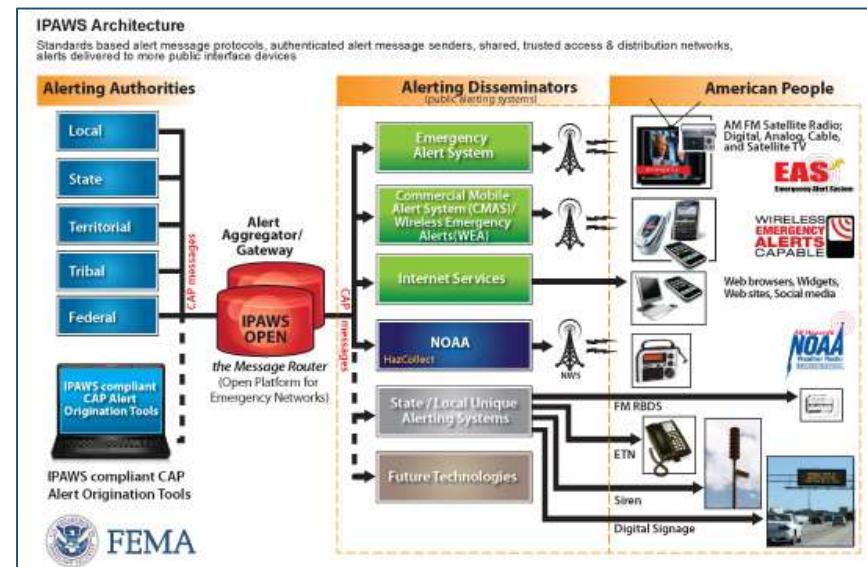
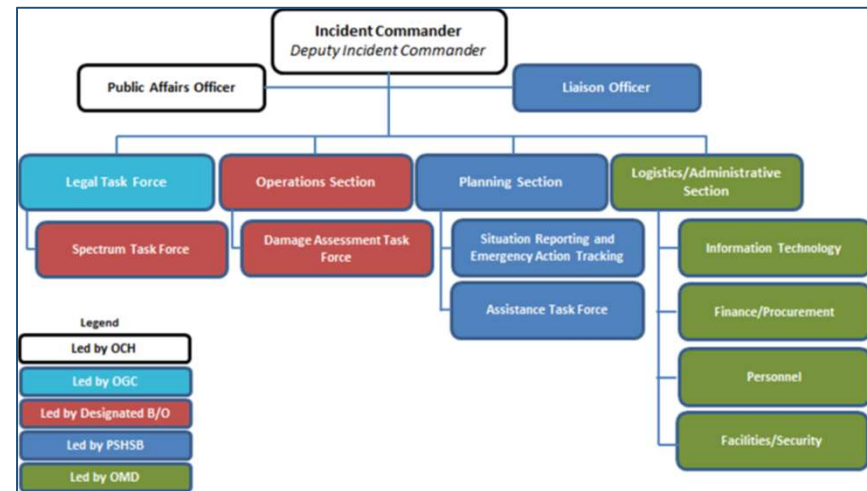
### Emergency Support Functions

<b>ESF-1</b>	Transportation	<b>ESF-9</b>	Search & Rescue
<b>ESF-2</b>	Communication	<b>ESF-10</b>	Oil and Hazardous Materials Response
<b>ESF-3</b>	Public Works & Engineering	<b>ESF-11</b>	Agriculture & Natural Resources
<b>ESF-4</b>	Firefighting	<b>ESF-12</b>	Energy
<b>ESF-5</b>	Emergency Management	<b>ESF-13</b>	Public Safety & Security
<b>ESF-6</b>	Mass Care, Emergency Assistance, Housing & Human Services	<b>ESF-14</b>	Long Term Community Recovery
<b>ESF-7</b>	Logistics Management & Resource Support	<b>ESF-15</b>	External Affairs
<b>ESF-8</b>	Public Health & Medical Services		



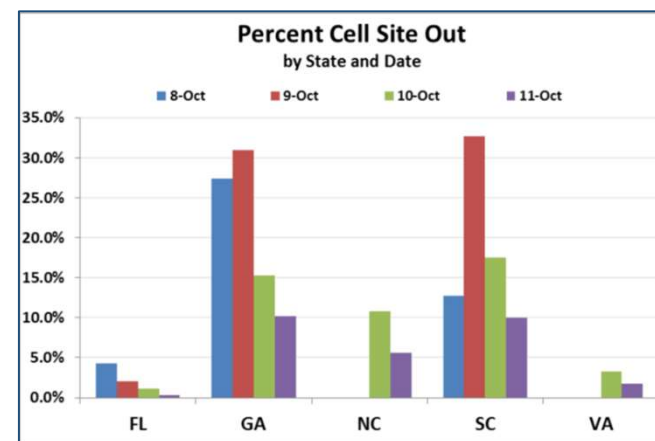
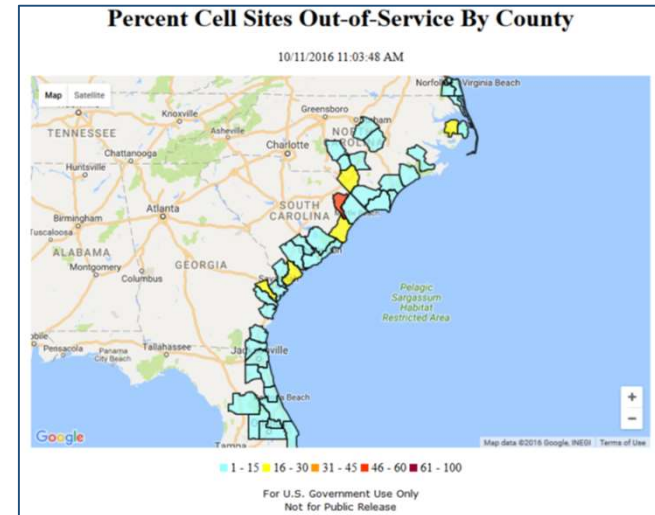
# FCC Incident Management: Before

- Response planning
  - Incident Management Handbook
  - Continuity of Operations
  - Continuity of Government
- Public Alerting
  - EAS
  - WEA
- Public Safety Licensing
- 911/E911/NG911
- Resiliency initiatives



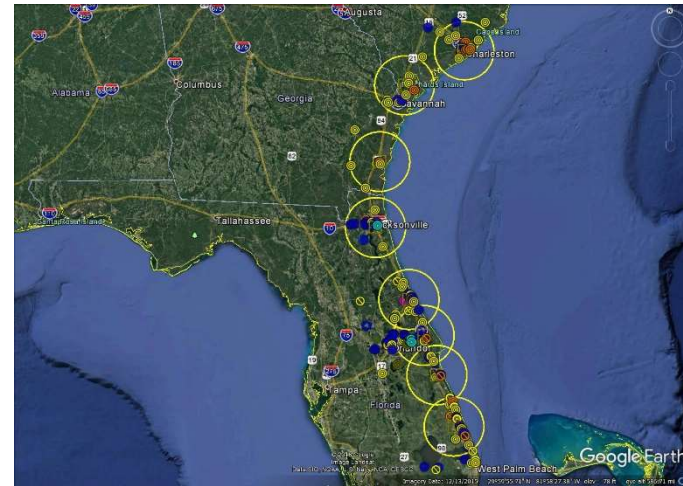
# FCC Incident Management: HQ

- Disaster Information Response System (DIRS) / Network Outage Reporting System (NORS)
- Special Temporary Authorities
- Waivers
- Coordination & Info Sharing
  - DHS: FEMA, National Coordinating Center for Communications
  - Public Safety Answering Points (PSAPs) and State 9-1-1 administrators
  - National Telecommunications and Information Administration
  - Broadcast Associations
  - Accessibility

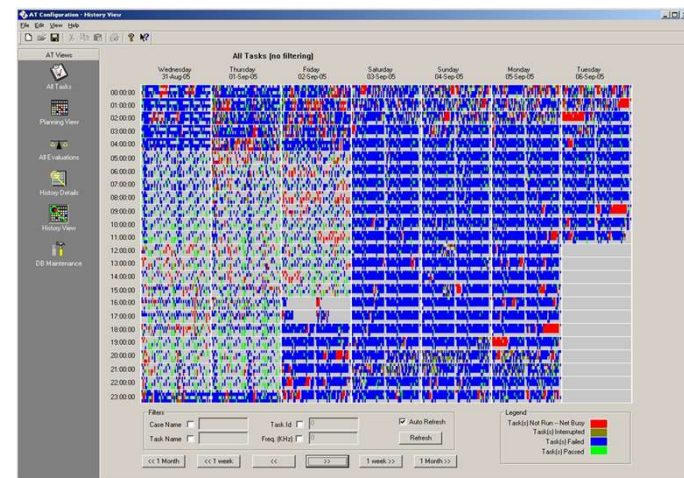


# FCC Incident Management: Field

- ESF#2 staffing
  - Damage Assessment
  - Frequency Coordination
- On-site RF: Project Roll Call
  - Scan and analyze: Land mobile radio, TV, AM/FM
- Remote RF:
  - High Frequency Direction Finding
  - National Shared Remote Equipment Network
- Cellular Situational Awareness (developing)



Roll Call – Hurricane Matthew



HF Remote– Hurricane Katrina

# Industry Coordination and Carrier Actions

- Preparedness
  - Emergency Operations Centers
  - Pre-stage fuel, parts and personnel
  - Drills and exercises
- Deployable assets
  - Cell on Wheels (COW)
  - Cell on Light Truck (COLT)
  - Restoration assets
- Wireless Resiliency Framework
  - Roaming
  - Mutual Aid
  - Increasing municipal preparedness
    - Aid to PSAPs, state EOCs
  - Increasing consumer preparedness
  - Public awareness of service and restoration (e.g. public DIRS info)
- Typical industry requests:
  - Power, access, security



# FCC Advocacy for Regional and International Cooperation

Disaster preparedness and public safety is an IB priority:

- Promote best practices and capacity building through regional and international organizations (CITEL, ITU)
- Promote regional cooperation and coordination through CITEL, including identifying points of contact for emergency communications issues in NRAs.
- Provide *ad hoc* bilateral support to regulatory counterparts in case of a disaster (Haiti)
- Frequent engagement with regulators and policymakers including through USTTI and IVP program