FCC Role in Disaster Planning

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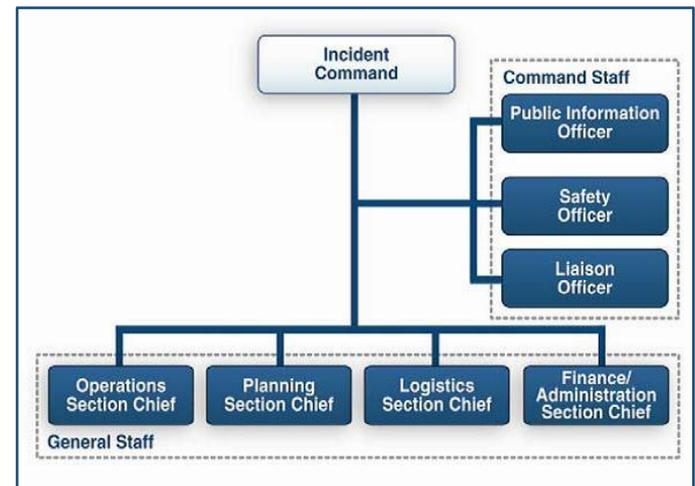# FCC Regulatory Authority Over Public Safety Communications

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
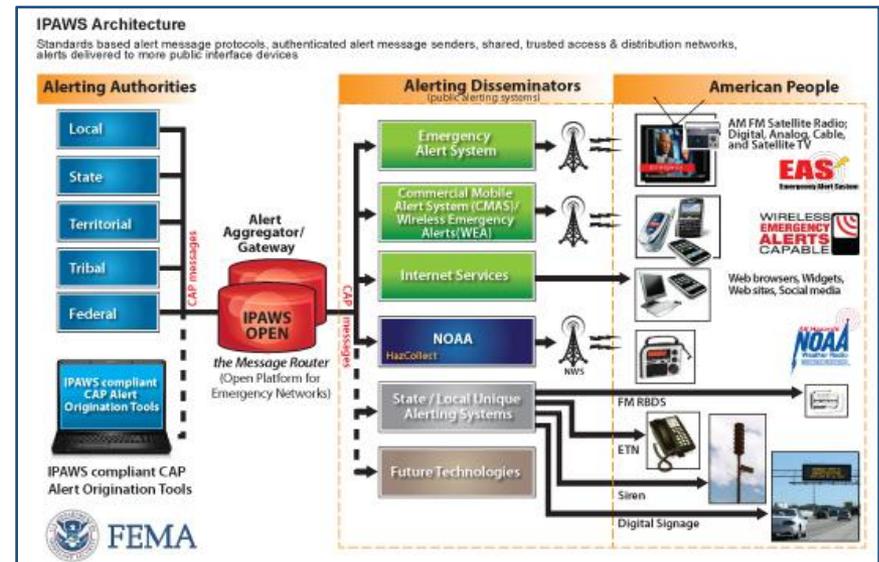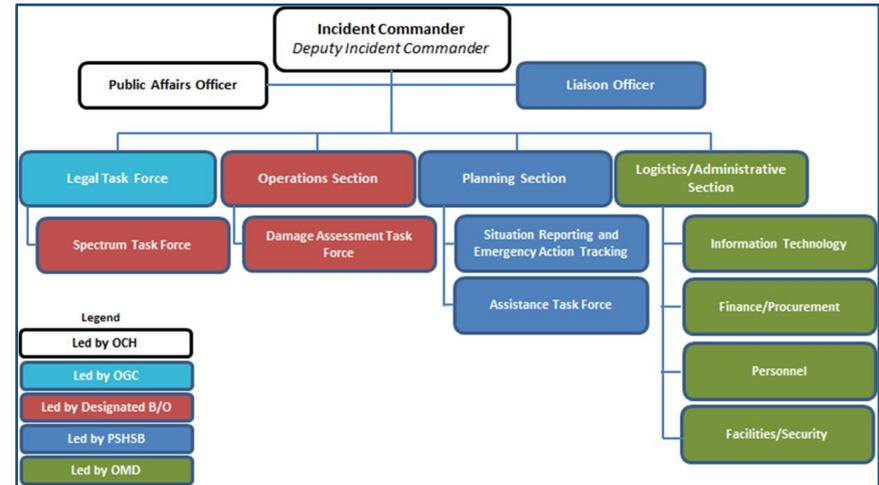
U.S. Federal Response Structures

- 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

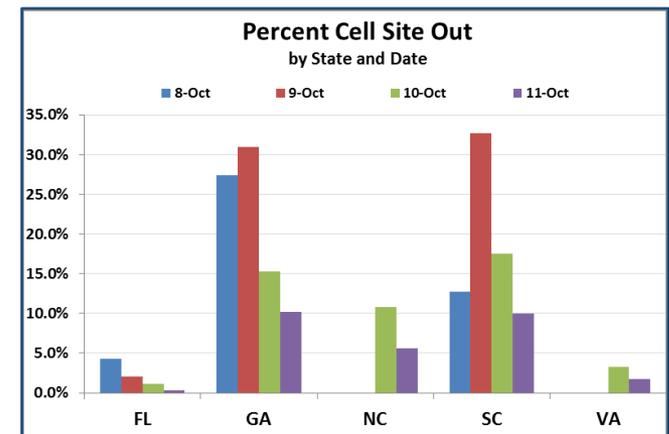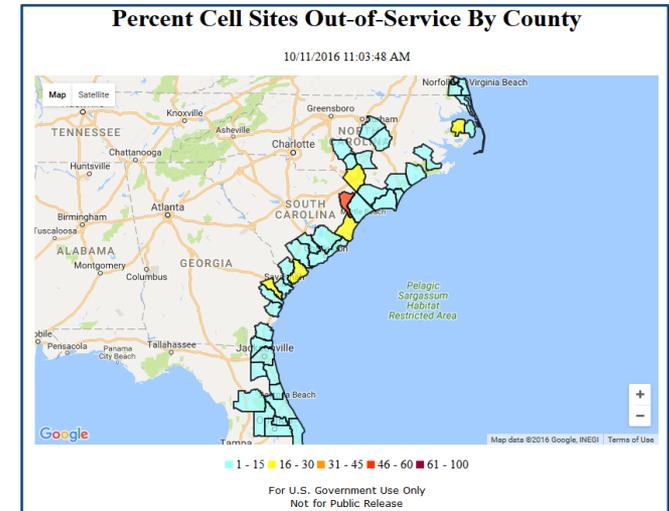| ESF-1	Transportation	ESF-9	Search & Rescue
ESF-2	Communication	ESF-10	Oil and Hazardous Materials Response
ESF-3	Public Works & Engineering	ESF-11	Agriculture & Natural Resources
ESF-4	Firefighting	ESF-12	Energy
ESF-5	Emergency Management	ESF-13	Public Safety & Security
ESF-6	Mass Care, Emergency Assistance,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

FCC Incident Management: Pre-Game

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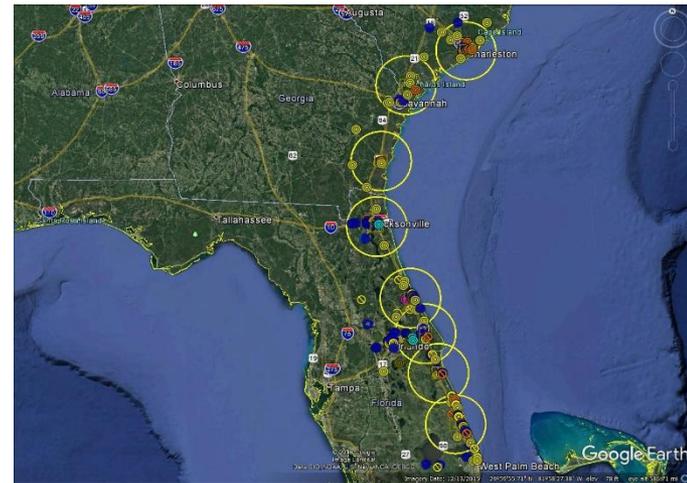- 911/E911/NG911
- Resiliency initiatives

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 Telecommunications
  - PSAPs and State 9-1-1 administrators
  - National Telecommunications and Information Administration
  - Broadcast Associations
  - Accessibility

Percent Cell Sites Out-of-Service By County
10/11/2016 11:03:48 AM

1 - 15 16 - 30 31 - 45 46 - 60 61 - 100

For U.S. Government Use Only
Not for Public Release

Percent Cell Site Out
by State and Date
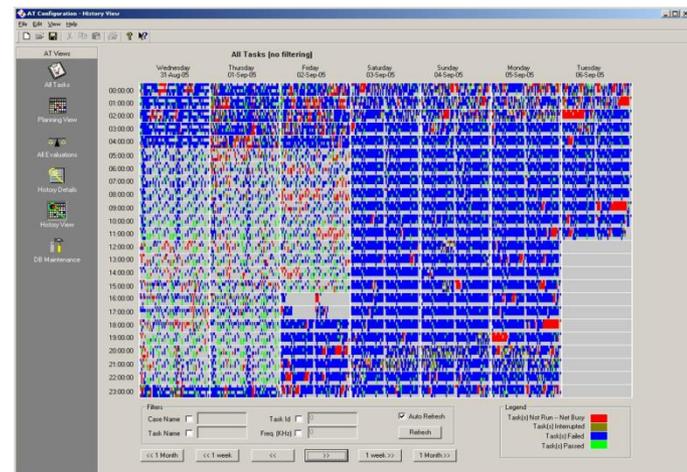
8-Oct 9-Oct 10-Oct 11-Oct

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 through USTTI and IVP program