Existing 800MHz Sites
In Southeast Louisiana

1. Buras
2. Larose
3. Gray
4. Pan Am
5. LaPlace
6. Slidell
7. Covington
8. Sheridan
9. Hammond
10. St. Helena
11. Baton Rouge
12. Ascension

As of 12-06-05
Current 800 MHz System

- Designed and Built for Mobile Radio Coverage
  - Severely limits adequate hand-held portable and in-building coverage
  - Expansion not possible due to technology limits
- Near the End of its Service Life
  - Motorola no longer offering upgraded technology or repeaters
  - Motorola will discontinue technical support in approximately one year
- Inadequate Frequency Allocation
- Capacity Limited
Communications Failures During Hurricane Katrina

- State and Local Communications Systems Suffered Damage from:
  - Wind: Local Towers were Knocked Down
  - Flood: Loss of T-1 Lines Severed Communication Links
  - Loss of Electricity: Created Large Gaps in Overall Communications Footprint
  - Fuel Supply: Back-up Generators Provided Temporary Electricity to Tower Sites. When Fuel Supply was Exhausted and could not be Replenished, Communications Failed
    - Accessibility: Several Tower Sites were Inaccessible and DPS Personnel were Unable to Initiate Repairs or Replenish Fuel Supply to Generators
Communications Failures During Hurricane Katrina

(continued)

- The State’s 800 MHz Communications System and the Commercial Communications Networks Were Overwhelmed by Tremendous Amounts of Emergency Responder Traffic
- Impaired Operability did not Allow Interoperability
- Large Area Outages Prevented Re-engineering/Re-routing Options
Communications Solutions During Hurricane Katrina

- DPS Personnel Responded Quickly and Were Able to Restore Limited Communications in the Area Through the Use of Satellite Dishes, Spare Repeaters, ACU-1000 Devices and Temporary Microwave Links

- Portable Radio Tower and Mobile Command Post Were Deployed to the New Orleans Area and Aided in Communication Efforts

- Rapid Installation of a 700 MHz System in Plaquemines and St. Bernard Parishes
Communications Solutions During Hurricane Katrina (continued)

- Rapid Restoration of the Current 800 MHz Communication System

- DHS / NORTHCOM Support Provided Satellite Communication Capabilities

- Nextel Provided Additional Communications Capabilities with Cellular Service

- MCI and AT&T Provided Trailers to Aid in Establishing Communications
Communications Solutions During Hurricane Katrina

(continued)

- Satellite and Microwave Back Haul Was Installed to Replace Lost Commercial T-1 Support

- Portable Satellite Telephones Delivered to Several Troops in the Effected Areas

- State Police Mobile Transmitter Site Deployed in the New Orleans Area
Communications Solutions During Hurricane Katrina (continued)

- Installed Temporary Communications Repeaters in Plaquemines Parish

- Installed Temporary Transmitter Site in St. Bernard Parish Along with 330 Portable Radios for Local Use

- Temporary Microwave Links Replaced Some of the Lost T-1 Lines

- Installation of Integrated Portable Cellular Network
Interim Interoperability Solutions

- FEMA Issued a $15.9 Million Purchase Order to Motorola following Hurricane Katrina to Repair and Augment the Current Infrastructure in Southeast Louisiana.

- FEMA Funded a $5 Million Purchase of Mobile and Portable Radios for St. Bernard and Plaquemines Parishes.
  - Insufficient to Outfit all Emergency Responders in the Affected Area.
700 MHz Tower Sites in Southeast Louisiana

1. Buras
2. St. Rosalie
3. Reggio
4. Cox
5. Pan Am
6. Bridge City
7. Larose
8. LaPlace
9. St. James
10. Slidell
11. Covington
12. Hammond
13. Sheridan
14. Ascension
15. Gray
16. Baton Rouge
17. Washington
18. Jefferson
Questions?
LTC Joseph Booth
Louisiana State Police