Louisiana National Guard
Communications Concept Of Operations

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Unit Level Voice Communications
Concept Of Operation

**Pre-Katrina**

- Joint Operation Center (JOC) in New Orleans Lost – Forced to Operate from Superdome Parking Lot
  - TACSAT Was Only Reliable Commo System
  - Outside Support Needed
- Guard Data & Phone Networks Lost
- Backup Commo Methods Already Saturated
- Backup Commo Plan Not Well Understood
- Additional Reliance on Commercial Cell Phones
- Commercial Cell Networks Became Quickly Saturated
- Statewide 800MHz became Quickly Saturated
- Not Enough Radios to Go Around
- Near-Total Reliance on 800MHz Radios
- Limited Channels and Tower Capacity in Impact Area
- Limited Training
Unit Level Voice Communications

Concept Of Operation

Current Plan

Tiered Operations Centers Across State
- Additional TACSAT Radios Acquired
- Backup Commo Plan Trained & Exercised

Tier 2 Communications
- Guard Data & Phone Networks Improved and Moved To North LA
- Obtained Mobile Data, Voice & Video Imagery Systems
- Incorporated New 700MHz w/ Existing 800MHz Systems
- 700/800MHz Limited to Tiers 2 & 3 to Avoid Saturation
- Incorporated Tactical Radio Systems & Freq Mgmt Plan

Tier 1 Communications
- New Tiered Commo Plan Written
- Additional UHF & VHF Radios & Repeaters Purchased
Unit Level Voice Communications
Concept Of Operation

Future Plan

- Additional Mobile Systems Providing Data, Voice, Video, Imagery, Radio Interop & Cellular Backhaul
  - Mobile Command Post(s)

- Man Portable Data & Radio Interop Systems
  - Integration of Tactical Mobile Systems for Data, Voice, Video & Imagery

- Pure 700MHz Solution w/ State Agencies
  - Additional TAC SAT Systems

- Data, Voice, Video, Imagery & GPS to Soldiers on Ground
  - New Wide-Band Tactical Radios (JTRS)
  - New Wide-Band Commercial Cell Phones
Communications Redundancy & Interoperability

Concept Of Operations  

*Pre-Katrina*

- Commercial Telephone / Cell phone & Internet
- State Police 800 MHz System