

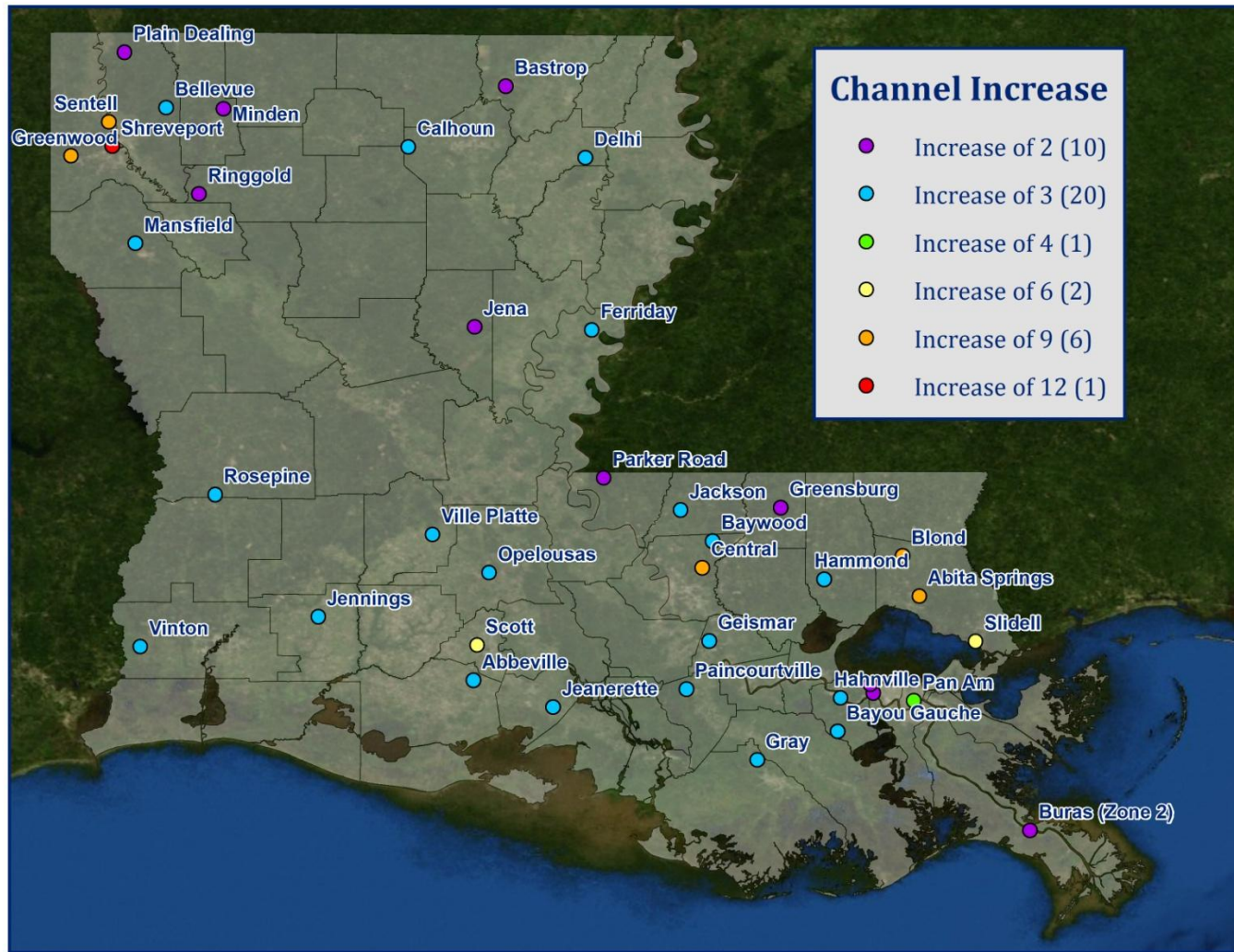


Louisiana Wireless Information Network



SIEC Meeting
Chair Report
January 26, 2011





SIEC Chair Report



Louisiana Tactical Interoperable Communications Field Operations Guide (TICFOG)



National Interoperability Field Operations Guide (NIFOG)

The U.S. Department of Homeland Security's Office of Emergency Communications tool to assist with disaster response; formatted as a pocket-sized guide for **radio technicians** to carry with them.

Technical reference for radio technicians responsible for radios that will be used in disaster response applications, and for emergency communications planners.

Includes rules and regulations for use of nationwide and other interoperability channels, frequencies and channel names, and other reference material

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Louisiana Tactical Interoperable Communications Field Operations Guide (TICFOG)

Governor's Office of Homeland Security and Emergency Preparedness
Communications tool to assist with disaster response; formatted as a pocket-sized guide for **first responders** to carry with them.

Technical reference for radio technicians responsible for radios that will be used in disaster response applications, and for emergency communications planners, **first responders, and emergency managers.**

Includes **information on local, state,** nationwide and other interoperability channels, frequencies and channel names, and other reference material including **Louisiana specific information and sample ICS forms.**

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Louisiana State



Tactical Interoperable Communications Field Operations Guide (TICFOG)

Version 1.0
Dated January 25, 2011



The Governor's Office of Homeland Security and Emergency Preparedness identifies State Disaster Declarations authorized by the Governor. The Governor's goal is to prevent and ready to serve the people of Louisiana at a difficult time.

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A.8 Agency 24/7 State Contact Information for Public Safety Communications Centers

Jurisdiction / Agency	Agency Phone	Dispatch Phone
LOUISIANA STATE		
LOUISIANA STATE PENITENTIARY	225-655-4411	225-655-4411
DEPT. OF HEALTH AND HOSPITALS	225-342-8093	N/A
DIXON CORRECTIONAL INSTITUTE	225-634-1200	225-655-4411
HUNTS CORRECTIONAL	225-642-3306	225-642-3306
LA DEPT. OF AGRICULTURE	225-922-1234	225-952-8181
LA DEPT. OF ENVIRONMENTAL QUALITY	225-219-3557	225-219-3384
LA DEPT. OF WILDLIFE & FISHERIES	225-765-2441	225-765-2441
LA DOTD	225-379-1641	225-379-1125
LA HOMELAND SECURITY	225-925-7500	225-379-1125
LA STATE FIRE MARSHALL	225-925-4911	N/A
LA STATE NATIONAL GUARD	225-357-4330	N/A
LA STATE POLICE	225-925-6325	225-754-6500
LA STATE POLICE HAZMAT	225-925-6595	225-754-6500
62ND CIVIL SUPPORT TEAM	225-319-4824 ext 4779	225-319-4779
BORDER PATROL	225-298-5400	504-589-6261
FEDERAL BUREAU OF INVESTIGATION	225-291-5159	504-816-3000
FEDERAL HOMELAND SECURITY	202-282-8000	202-282-8000
FEMA	225-242-6000	1-800-621-FEMA
OSHA	225-298-5458	1-800-321-OSHA
US ARMY CORP OF ENGINEERS	225-344-8272	504-589-6261

Louisiana TICFOG

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Figure 2: Louisiana Regions

District 1 St. Tammany Jefferson Plaquemine St. Bernard Orleans	District 2 Washington Tangipahoa Ascension Bossier St. Helena East Feliciana West Feliciana East Baton Rouge West Baton Rouge Livingston Pointe Coupee	District 3 St. John St. James Assumption Lafourche Terrebonne Breaux St. Charles	District 4 Evangeline St. Landry Acadia St. Martin Lafayette Iberia St. Mary Vermilion
District 5 Boutte Allen Caldwell Jefferson Davis Cameron	District 6 Winn LaSalle Grant Catahoula Concordia Rapides Avoyelles Vernon	District 7 Caddo Bossier Webster Claiborne Lincoln Natchitoches Sabine Red River Bienville De Soto	District 8 Union Morehouse West Carroll East Carroll Ouachita Madison Caldwell Franklin Tensas Richland Jackson

Louisiana TICFOG

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Status Of RICs & PICs



Status of RICs and PICs

Region	PICs Established	Bylaws Written	Bylaws Signed
1	4 (100%)	1	1
2	5 (62%)	3	2
3	4 (50%)	2	2
4	4 (50%)	4	3
5	5 (100%)	2	2
6	9 (90%)	5	3
7	7 (100%)	7	7
8	9 (75%)	8	4
9	4 (100%)	4	3

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VHF and UHF Narrowbanding Concerns



VHF/UHF Narrowbanding

- **Deadline: January 1, 2013 → 705 Days Left!**
- **Waivers unlikely**
- **76% Public Safety VHF and UHF transmitters in the state are not yet narrowbanded**

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2-Step Narrowbanding Process

- 1. Reprogram/replace equipment as needed to meet the narrowband requirements**
- 2. Update FCC License to reflect the completion of narrowbanding**

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Narrowbanding Equipment

Older equipment certified before 1997 may have to be replaced

Newer equipment can usually be reprogrammed or retuned

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Narrowbanding Licenses

Once the narrowband transition is complete, licensees must modify their licenses by replacing the wideband designator with the narrowband designator

Frequency coordination is not required for the addition of the narrowband emissions designator or removal of the wideband designator, provided no other changes are being made

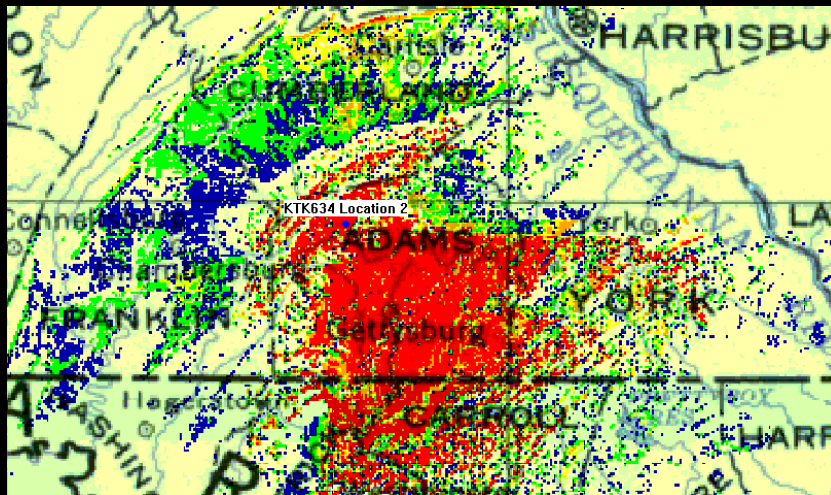
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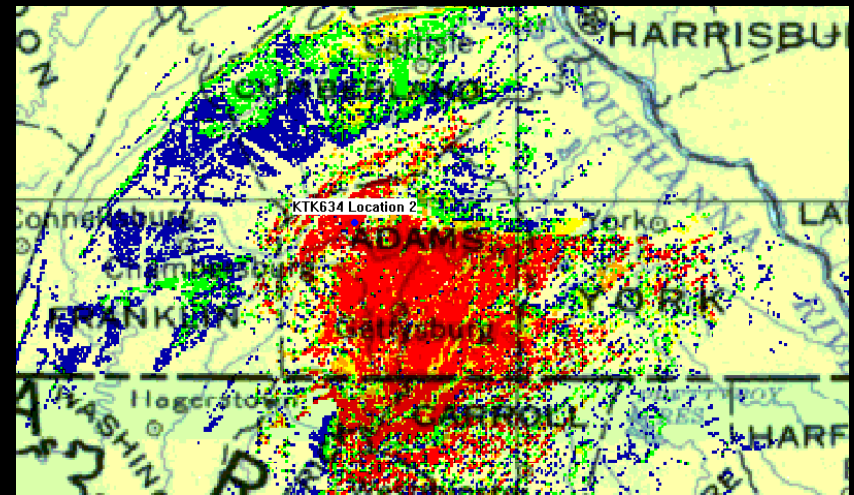
Narrowbanded Coverage

Coverage Loss: Estimated at 3 dB

Before



After (3dB Loss)



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Budgeting for Narrowbanding

Costs may be covered under existing communications grants:

- **IECGP**
- **Firefighter grants**

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Narrowbanding Working Group

The SIEC will establish a Narrowbanding Working Group to develop a plan to provide technical assistance

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Public Safety Technology Assistance Tools

FCC Data - Narrowband License Status: VHF (150 - 170 Mhz) and UHF (421 - 512 Mhz)

Home | Frequency Mapping Tool | **Narrowband License Status** | FCC Source Data | FMTHelp@dhs.gov

Total XMTRs: 3063 Display XMTR Totals

Location:

State: Louisiana

Regions: Washington, Webster, West Baton Rouge, West Carroll, West Feliciana, Winn

Use the Ctrl key to select / de-select more than one county

Cities: Select a City

Frequency:
 UHF & VHF Freqs UHF Freqs VHF Freqs

Transmitter Type:
 Fixed Mobile

Radio Services:
Public Safety Conventional/Trunked: (PW,YW)

Include/Exclude FRNs and/or Call Signs:

include FRN:

include Call Sign:

Map Data
Reports
Reset

LMR - Private: 01/17/11 Freq. Records: 3,742,016

Mouse Position - Lat/Lng: 32.999450, -94.037476

Map Satellite Terrain

Map data ©2011 Google, INEGI, Europa, Technology

Transmitter (XMTR) Totals (click and drag to move window)

close window ✕

Note: Click on the Icons to have them displayed/not displayed on the Map.

- - Narrowband XMTRs: 458
- - Narrowband and Wideband XMTRs: 277
- - Wideband XMTRs: 2330

Total XMTRs: 3083

Multiple XMTR Locations: 1704

www.fcc.gov/narrowbanding/



Narrowbanding Status for Louisiana

	Narrowbanding	Widebanding	Total	% Narrowbanding
Frequency Registration Number	145	601	746	19%
Call Sign	241	869	1110	22%
Fixed Transmitters	733	2330	3063	24%



NECP Goal 2 Review





NECP Goal 2

By 2011, 75% of parishes are able to demonstrate response-level emergency communications within one hour for routine events involving multiple jurisdictions and agencies.

Goal 2 will be measured through "Self Evaluation"

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NECP Goal 2

Two areas of Focus:

- **Capabilities**
 - **Written assessment of a parish's capabilities**
- **Performance**
 - **Response-level incident data**
 - **Based on one or more parish events**
 - **Incident, exercise, or planned event involving multiple jurisdictions and responder disciplines, managed under a National Incident Management System-compliant Incident Command System**

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NECP Goal 2 Submissions

OEC Web Based Reporting Tool:

<https://franz.spawar.navy.mil/>

To obtain your parish specific login:

Login: Louisiana

Password: N3CPt00L!

Due Date: Submit reports by May 1, 2011

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SWIC Evaluations & Reports

You are currently logged in as a **Statewide Interoperability Coordinator (SWIC)**.

Statewide Reports

**Emergency
Communications:
*Capabilities
Report***

**Emergency
Communications:
*Performance
Report***

As a SWIC, you can use this interface to view a summary of all of the information submitted by your jurisdictions. In this view, a spreadsheet of all county reports that have been submitted is available for download or submittal to OEC for Goal 2 collection demonstration. Use this area to see your Statewide progress and monitor results.

County Evaluations

**Emergency
Communications:
*Capabilities
Evaluation***

**Emergency
Communications:
*Performance
Evaluation***

As a SWIC, you may create and complete evaluation forms on behalf of a jurisdiction within your State. If you choose to complete an evaluation on behalf of a jurisdiction you may click "Submit to SWIC," when completed and the evaluation will appear in the Statewide view.

Password Settings

[Edit Password](#)



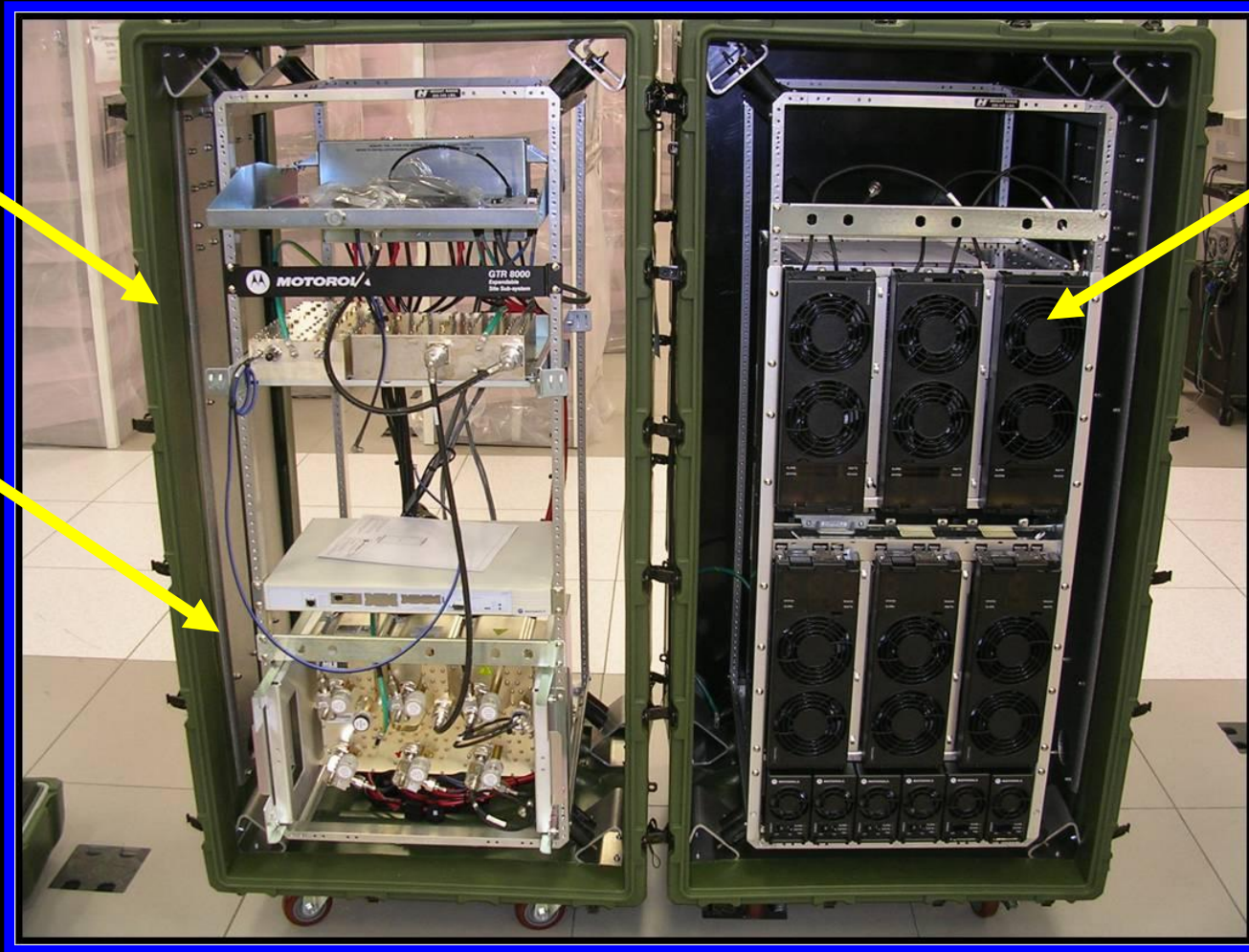
3 New Squire Tech pComs



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Suitcase Repeater



6-GTR
Channels

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TP9155/60 SPECIFICATIONS



Models shown are TP9155 and TP9160

P25 TRUNKED AND CONVENTIONAL PORTABLE RADIOS

With FIPS validated encryption, certified interoperability, digital audio clarity and superb build quality the TP9155/TP9160 are tough, dependable and sophisticated portable radios. The TP9155/TP9160 gives you the flexibility of working in digital, analog or auto-sensing dual mode.

Secure, dependable and flexible

- Commercially upgradeable to P25 Phase 2
- Tested in Department of Homeland Security-recognized P25 Compliance Assessment Program (P25 CAP) lab for interoperability and performance
- Radios can be used on analog, P25 conventional, trunked and simulcast networks
- Intrinsically safe option is available
- FIPS 140-2 certified encryption
- Tait Advanced System Key prevents 'unauthorized' radios from being added to the network without prior consent*
- Tested beyond MIL-STD-810C, D, E and F - Tait performs tougher drop tests, then performs ingress and other tests on the same radio
- Configurable emergency features - Man Down and Lone Worker as standard
- A range of analog signaling features - MDC1200 encode/decode** and Two Tone decode with the purchase of software licenses***
- Comprehensive scanning features including P25 talk-group
- User interface is common with the Tait P25 mobiles for ease of use

Encryption for secure communications

AES encryption certified by the US National Institute of Technology and Standards (NIST) or proven DES encryption can be incorporated into the TP9155/TP9160 for highly secure communications. These radios can be encrypted fast in-field with the Tait Key Fill Device (KFD) or via Over-The-Air Rekeying (OTAR) with a Key Management Facility (KMF).

Interoperability assured

The TP9155/TP9160 portable radios are tested on other vendors' networks as part of the P25 Compliance Assessment Program (P25 CAP). This offers public safety and government agencies a multi-vendor environment.

Analog operation for phased transition

Protect your current analog investment and migrate to P25 digital at your own pace. Analog mode allows communication between various partner agencies.

Configure to suit with software licenses

Software licenses allow a solution that is readily extended as needs change, removing the risk of hardware upgrades and factory returns. Trunking, P25 CAI, encryption, location transmission/display**, Application Programming Interfaces (APIs) and OTAR are just some of the software license options available.

Comprehensive accessory suite

Complement your public safety radio with high performance accessories and charging options that will allow frontline staff to spend more time on patrol.



Interoperability Updates

- **COML Qualification Program**
- **Expansion of Gulf WIN to Arkansas**
- **Governor's Update**
- **SCIP Update**
- **LWIN Completion / Katrina / 9-11 Anniversary**
- **Disseminating Information from the SIEC**

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Largest Statewide Radio System in the Country?

- **LWIN – 59,263**
- **MPSCS (Michigan) – 52,400**
- **CCNC (Colorado) – 54,000**

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