



# Homeland Security

## Office of Emergency Communications National Emergency Communications Plan (NECP)

Jim Jarvis  
OEC Coordinator  
IL, IN, MI, MN, OH, WI



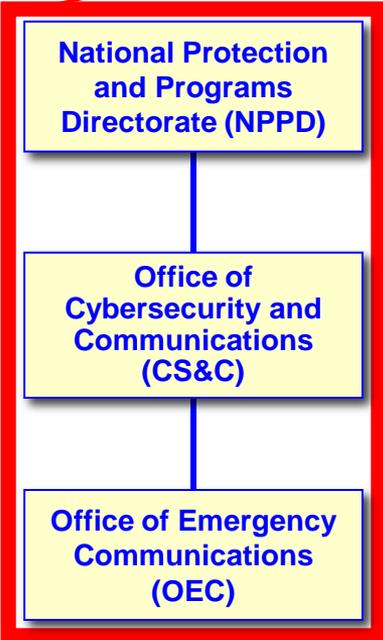
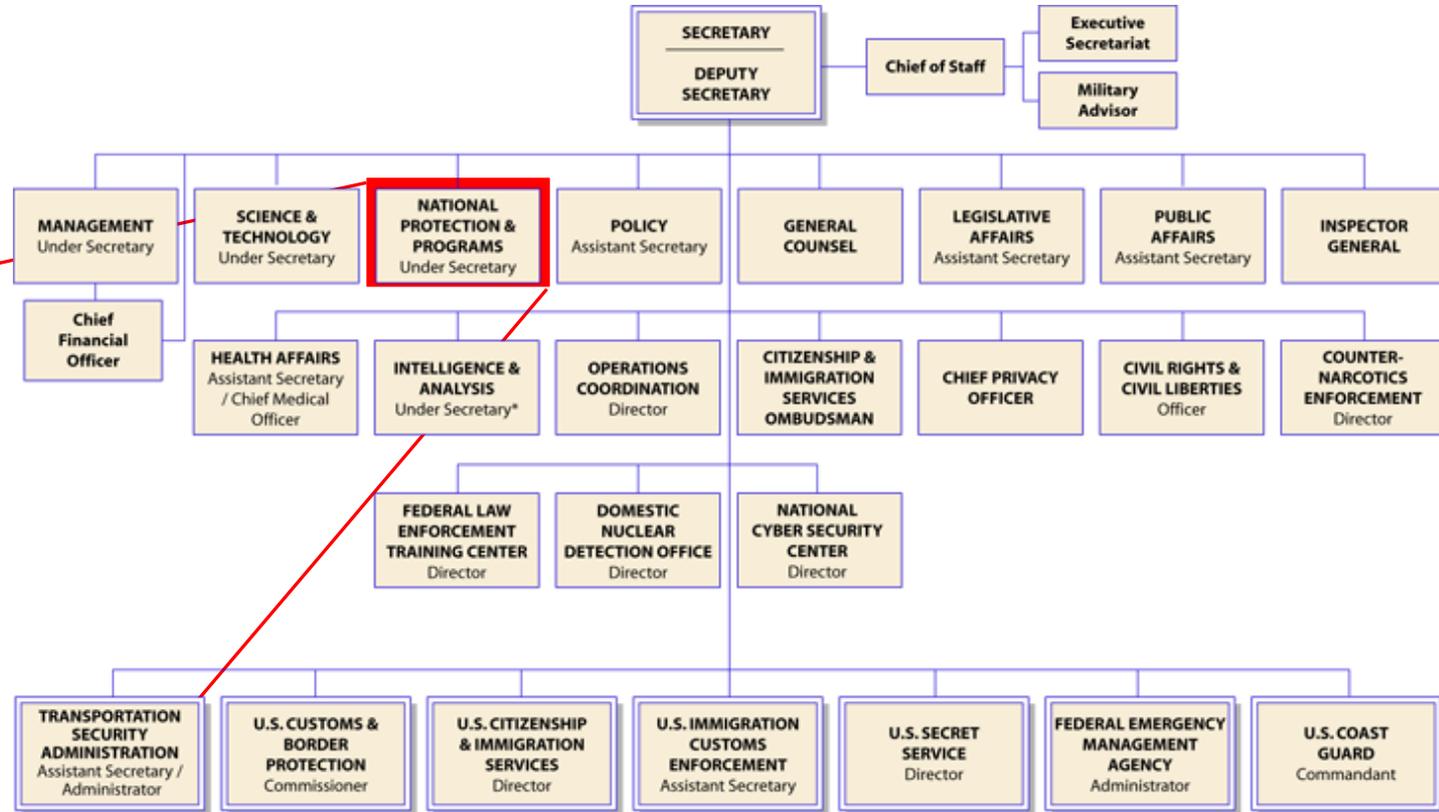
National Emergency  
Communications Plan

2014



Homeland  
Security

# Department of Homeland Security



# Office of Emergency Communications

The Office of Emergency Communications supports and promotes communications used by emergency responders and government officials to keep America safe, secure, and resilient.



Homeland Security

Office of Emergency Communications

# The Creation of NECP



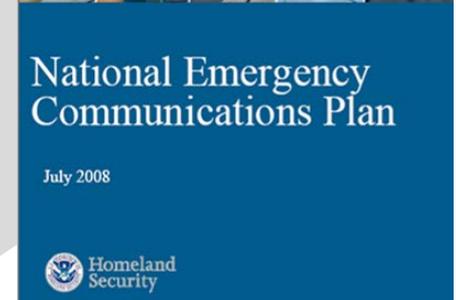
Sept. 11, 2001



Hurricane Katrina

- Disparate Systems
- Lack of Shared Governance / SOPs
- Insufficient Site Hardening
- Lack of Knowledge on National Response Framework

Category	Individual Agencies Working Independently	Informal Coordination Between Agencies	Key Multi-Discipline Staff Collaboration on a Regular Basis	Regional Committee Working within a Statewide Communications Interoperability Plan Framework
Governance	Individual Agency SOPs	Joint SOPs for Planned Events	Joint SOPs for Emergencies	Regional Set of Communications SOPs
Standard Operating Procedures	Individual Agency SOPs	Joint SOPs for Planned Events	Joint SOPs for Emergencies	Regional Set of Communications SOPs
Technology	<p>DATA ELEMENTS</p> <p>Single File</p> <p>Proprietary Shared System</p>	<p>Common Applications</p> <p>Gateway</p> <p>Shared Channels</p>	<p>Custom-Interfaced Applications</p> <p>Shared Channels</p> <p>Proprietary Shared System</p>	<p>One-Way Standards-Based Sharing</p> <p>Standards-Based Shared System</p>
Training & Exercise	General Orientation on Equipment and Applications	Single Agency Tabletop Exercises for Key Field and Support Staff	Multi-Agency Tabletop Exercises for Key Field and Support Staff	Multi-Agency Full Functional Exercises Involving All Staff
Usage	Planned Events	Localized Emergency Incidents	Regional Incident Management	Daily Use Throughout Region



2008



Homeland Security

Office of Emergency Communications

# 2008 NECP Accomplishments

## Objectives

Objective	Public Safety Highlight
<b>Governance</b>	Statewide Strategic Plans based on NECP in all 56 States/Territories
<b>Coordinated Federal Activities</b>	Establishment of the Emergency Communications Preparedness Center (ECPC)
<b>Common Planning &amp; Protocols</b>	Development of over 250 Tactical Emergency Communications Plans
<b>Standards / Emerging Technology</b>	Enhancement of LMR standards (P25) and allocation of D Block spectrum to public safety
<b>Responder Skills</b>	Over \$150M in IECGP grant funds used for planning, training & exercises
<b>Life Cycle Planning</b>	Standardized guidance on life cycle management & strategic planning
<b>Disaster Communications</b>	Regional coordination through OEC and FEMA RECCWG; use of WPS/GETS

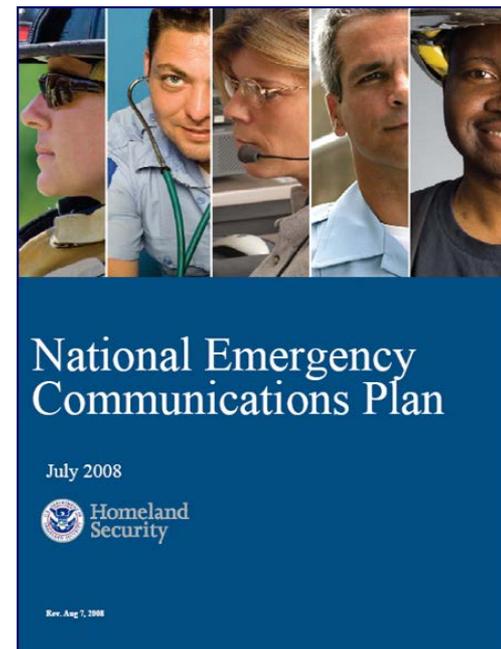
## Achievement

- All 60 UASIs assessed and achieved response level interoperability
- 3,200+ counties assessed with approximately 90% achieving interoperability



# NECP Revision

- Several factors prompted the need for a revised NECP:
  - Since 2008, there have been significant changes to the emergency communications landscape
    - New technologies (e.g., broadband, social media, mobile apps, NG911)
    - New policies (e.g. PPD-8 emphasis on whole community; NPSBN legislation)
    - Additional emergency communications organizations and stakeholders
  - Updates and maintenance to LMR systems



Homeland  
Security

Office of Emergency Communications

# OEC's Approach to the NECP Development

**Public Safety Personnel (3 Million +)**

**CIPAC**  
**SAFECOM**  
**NPSTC**  
**NCSWIC**  
**ECPC**  
**FirstNet**  
**PSAC**  
**OneDHS**  
**PSAPs**  
**Public Safety Organizations**

Governance & Leadership  
 Planning & Procedures  
 Training & Exercise  
 Operational Coordination  
 Research & Development

**Critical**

5,700 H

6,800 B

7,000 P



**National Emergency Communications Plan**

2014



**Federally Recognized 30+ Stakeholder Working Group Meetings**

**Input from Partners / Associations**

**1,200 Certified Emergency Managers**

**Development of Five (5) Strategic Goals**

**19,400 municipalities, Governors, Mayors, public works, council members**

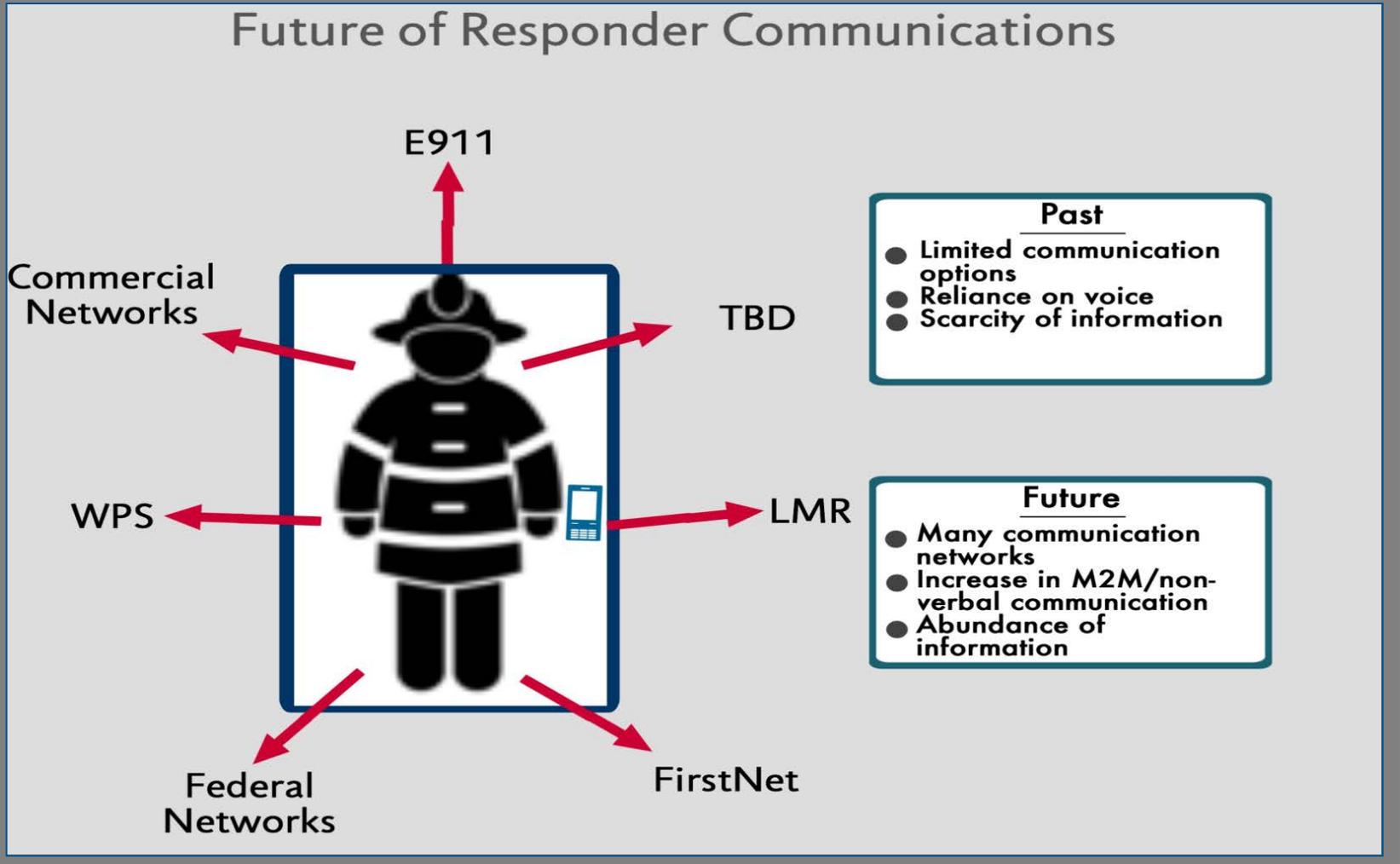
**A True National Plan**



**Homeland Security**

Office of Emergency Communications

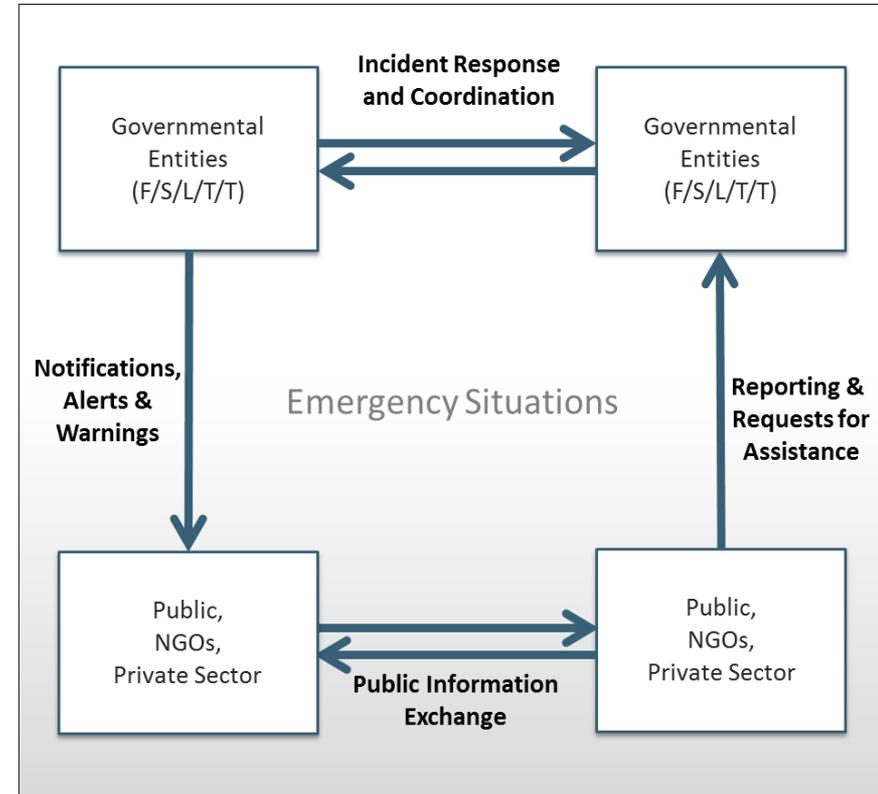
# The Future of First Responder Communications



# The Evolving Operating Environment

- The NECP identifies emergency communications systems, functions, and stakeholders as becoming more interconnected:
  - Greater emphasis on “whole community;” recent events show more disciplines are being integrated into emergency response
  - IP-based technologies are transforming the content and flow of communications and information during incident response
  - Modernization of communications and information systems (i.e., NPSBN, NG911, Alerts & Warnings) is changing

## Emergency Communications Ecosystem



## Communications During Emergencies (with or without warning)



# Emergency Communications Ecosystem



← **Key Communications Concepts of 2013** →  
**Incident Response and Coordination**

Technologies primarily focused on:

Governmental Agencies  
 (Federal, State, Local, Tribal, Territorial)

Governmental Agencies  
 (Federal, State, Local, Tribal, Territorial)

25 Land Mobile Radio (LMR) Systems  
 Nationwide Public Safety Broadband Network (NPSBN)  
 Internet Protocol (IP)-based Technologies

Greater emphasis on "whole community" — more stakeholders

Notifications  
 Alerts & Communications

Reporting, &  
 Requests for Assistance

National Emergency Communications Plan  
 July 2008  
 National Policy Directives (PPDs)  
 Executive Orders (EOs)  
 Plans and Procedures

Stakeholders in emergency response  
 Emergency Responders  
 Emergency Communications & Information-Sharing Entities

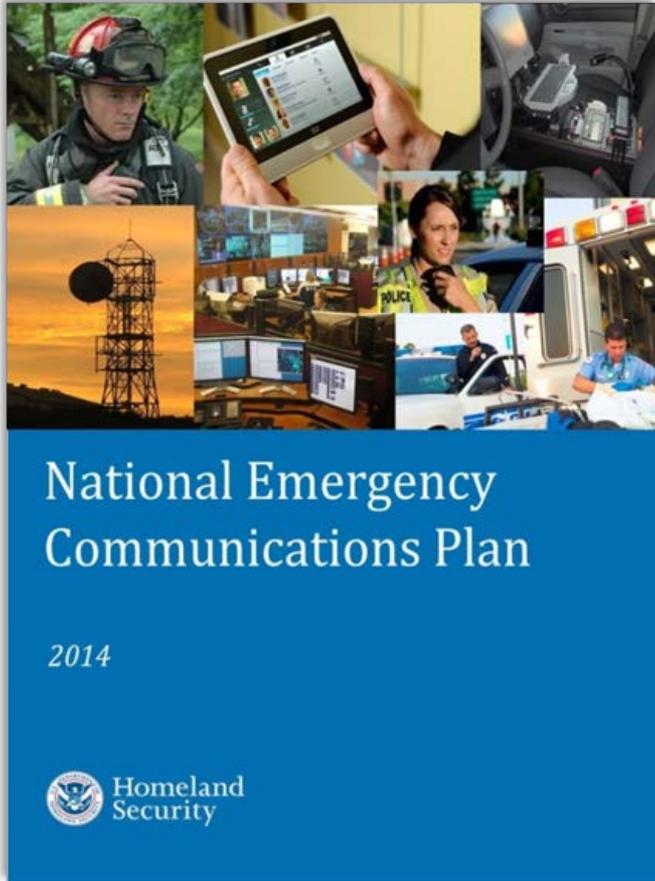


Public, NGOs, Private Sector

Public, NGOs, Private Sector

← **Public Information and Cellular Networks** →

# 2014 NECP – Strategic Goals



**Goal 1:**  
Governance & Leadership

**Goal 2:**  
Planning & Procedures

**Goal 3:**  
Training & Exercises

**Goal 4:**  
Operational Coordination

**Goal 5:**  
Research & Development



Homeland  
Security

Office of Emergency Communications

# NECP Recommendations – What it Means for You

## Governance & Leadership

- ✓ Update governance structures
- ✓ Explore Federal emergency communications grants

## Planning and Procedures

- ✓ Develop SOPs for new technologies and processes (e.g., social media, updated NIFOG)
- ✓ Ensure SOPs reflect current use of priority telecommunications services
- ✓ Coordinate with entities across the emergency response community to develop SOPs



# NECP Recommendations – What it Means for You

## Training & Exercises

- ✓ Identify opportunities to integrate with public sector communications stakeholders for training and exercises

## Operational Coordination

- ✓ Enhance jurisdictions' ability to request communications assets during operations
- ✓ Ensure inventories of emergency communication resources are updated
- ✓ Ensure Public Safety Answering Points support dispatch Communications



# NECP Implementation

- Implementation will be conducted in coordination with stakeholders through various OEC and other DHS programs and activities
  - **Governance guidance** – Update State bodies, improve coordination with other entities (e.g. 911 Boards), ECPC coordination with FirstNet
  - **Grants** – Drive implementation of NECP priorities and recommendations through DHS grant guidance (e.g. SAFECOM)
  - **State Planning workshops** – Support updates to SCIPs for broadband and maintaining LMR
  - **Technical Assistance** – Broadband planning support for NPSBN, NG-911 planning, dispatch operations, COOP workshops
  - **OEC Tools and Services** – CASM, PSTools database, COML tracking, virtual training opportunities
  - **Measurement/Assessments** – Leverage processes, relationships, and foundations established under first NECP



---

# Questions?



Homeland  
Security

Office of Emergency Communications



# Homeland Security



Homeland Security

Office of Emergency Communications