



DoD Public Safety Communications

Joe Wassel
Chair, DoD Public Safety Communications Working Group

March 2015

BLUF

As President, I have no greater responsibility than **ensuring the safety** and security of the United States and the American people. Meeting this responsibility requires the closest possible cooperation among our intelligence, military, diplomatic, homeland security, law enforcement, and public health communities, as well as with our partners at the State and local level and in the private sector. This cooperation, in turn, demands the timely and effective sharing of intelligence and information about threats to our Nation with those who need it, from the President to the police officer on the street.

- President Barack Obama

National Strategy for Information Sharing and Safeguarding
December 2012

There is no better example of the challenge ahead than that of the information environment. From moving supplies in the wake of a **hurricane disaster** to ordering troops to the Pacific, or addressing the ever-changing cyber threat, the global dependence on information and networks in **everyday activities** demands our attention now.

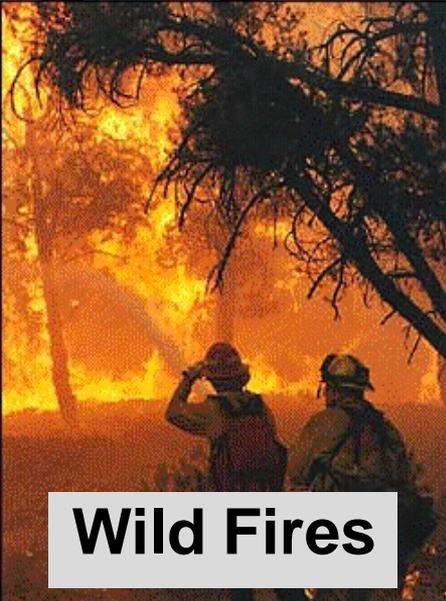
- General Martin E. Dempsey

Joint Information Environment White Paper
22 January 2013

- DoD first responder and emergency management communications must be interoperable with FirstNet in order to **best support public safety and emergency response** both on and off DoD installations



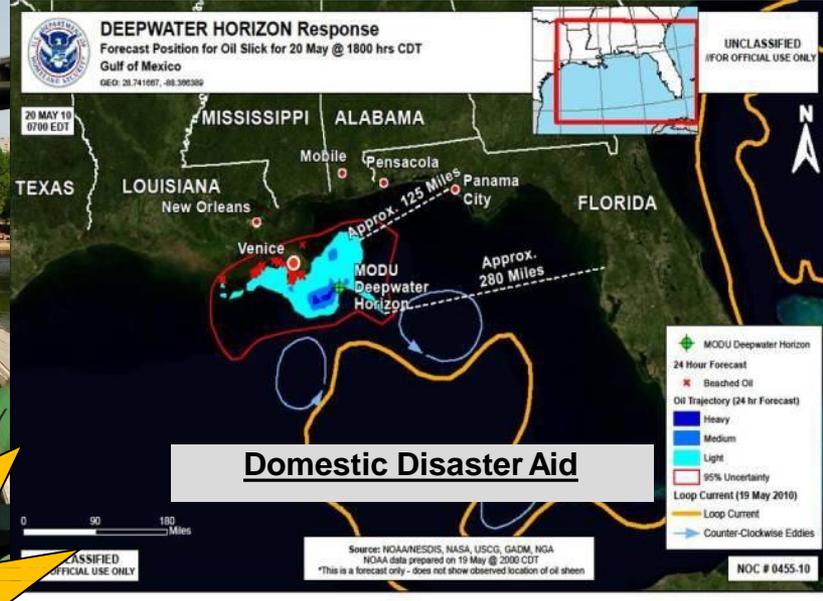
Disaster Response



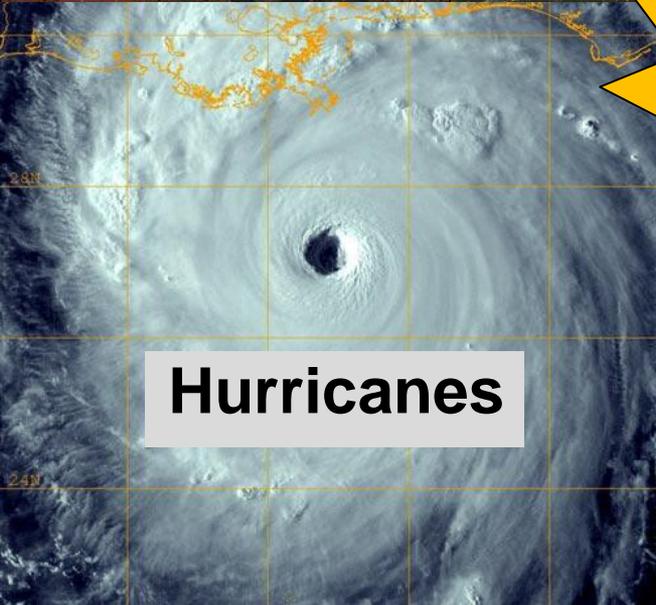
Wild Fires



Bridge Collapse



Each brings a unique set of financial management challenges



Hurricanes

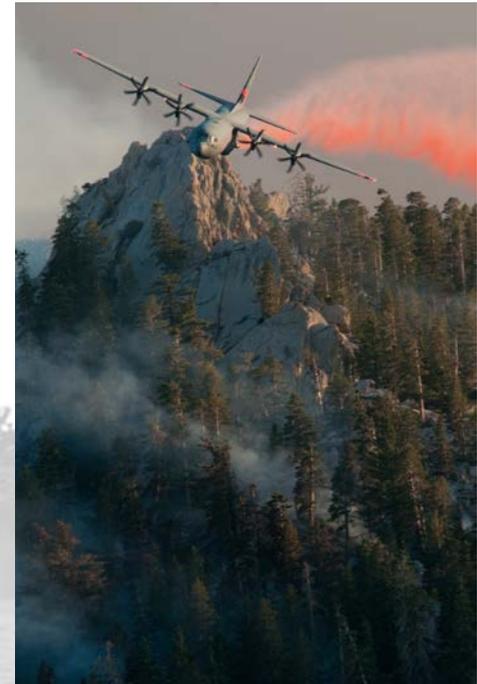


CBRN Consequence Management



Foreign Disaster Aid

The National Guard



SUPPORT THE WARFIGHTER

Delivering Interoperable Communications Between DoD and Civilian First Responders

- **Mutual Aid.** DoD installations execute mutual aid agreements with each of their neighboring jurisdictions to allow for civilian response to incidents on DoD property – and vice versa. These agreements vary in scope depending on local circumstances. For example, some DoD installations have their own police, fire and EMS, while others rely entirely on local jurisdictions for fire and or EMS services.
- **Disaster Response.** Major disasters can quickly overwhelm the capabilities and resources of the jurisdictions in the affected area. DoD expertise and equipment, including mobile communications systems, cargo transport, and heavy equipment, can facilitate the response and recovery operations. State National Guard units are normally the first military “boots on the ground” in a disaster area and Army, Air Force, Navy and Marine Corps assets are often called into play.
- **DoD and FirstNet.** The First Responder Network Authority (FirstNet) was created by Congress to build a nationwide broadband wireless network dedicated to first responders. FirstNet will provide enhanced capabilities and interoperability across all jurisdictions. DoD is committed to supporting FirstNet as a key enabler of our first responder responsibilities. To that end the DoD CIO created the Public Safety Communications Working Group (PSCWG) to coordinate DoD efforts with federal efforts and to leverage DoD capabilities that may assist in building out the network faster and cheaper.



FirstNet Mandates Under the Act

Understanding the Playing Field



FirstNet™

Legislation

Public Safety
Entity
(Eligible Users)

Management /
Independent
Authority

RFPs

Standards

Consultation

Secondary
Users

National
Architecture

Rural Coverage
Consideration

Contracts

Commercial
Infrastructure

Promote
Equipment
Competition

Opt-In

Roaming

PSAP

National
Security
Coverage
Considerations

Cybersecurity

Public
Infrastructure

Priority /
Preemption

State Plan

Maintenance &
Upgrade

Certified
Equipment List

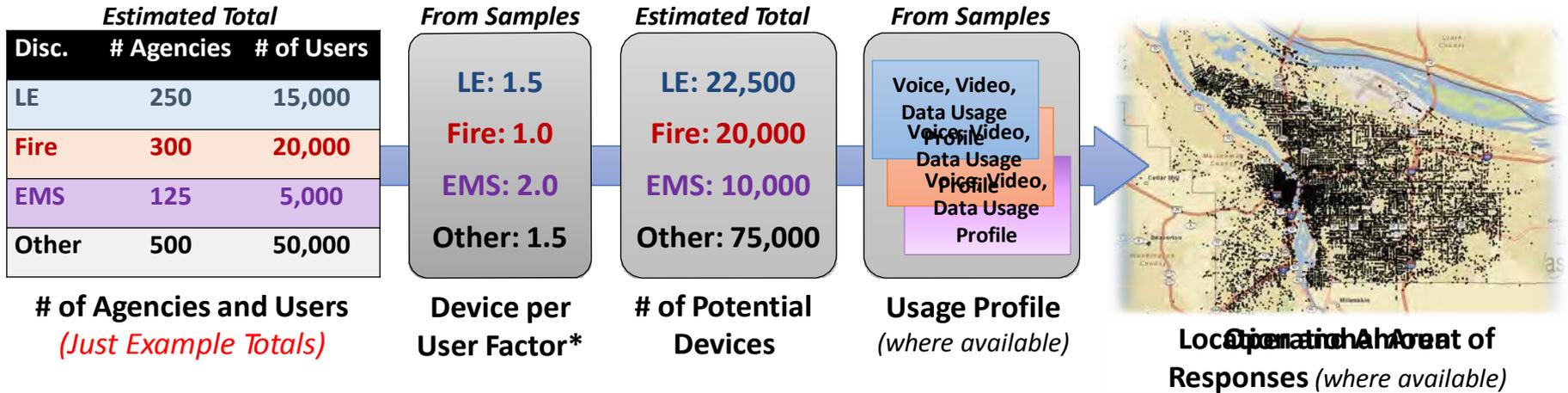
PSAC

Training

Other(s) as
Needed

Defining Responsibilities and Duties

Users / Operations Overview



= > Inputs to RAN Design representative of Public Safety Operations

Who is considered to be eligible users?

What kind of assessment has been done on the potential user base?

Current provider? Device types and counts? Procurement options and vehicles? Typical costs?

Current usage amounts? Growth projections? Operational areas? Potential adoption?

*Several inputs: current usage, adoption rate, growth projections, new devices, etc.

Developing a DoD Investment Strategy

- DoD needs to understand the shifting baseline of capability and funding for public safety communications in the Department

Public Safety Communications Acquisition across the FYDP (6 year period)

	LMR	Cellular
Air Force	\$1.2 B	~\$350 M
Navy & Marine Corps	~ \$1.2 B	~\$350 M
Army	~ \$2.4 B	~\$350 M

- Assuming the above numbers, we have ~\$1B/yr in decision making opportunity spread across tens of thousands of separate contracting and acquisition decisions in the Department

DoD Public Safety Communications WG

- The PSCWG is established under the authority of the DoD Chief Information Officer (memo signed Mar 6, 2014)
- The PSCWG serves as the designated advisory and action group for the DoD CIO on all matters pertaining to communications systems relevant to public safety, emergency management and first responders.
- The PSCWG operates as a collaborative effort with stakeholders from all Components with a public safety initiative. The PSCWG will facilitate information sharing across DoD; prevent duplicative efforts; enable informed decision-making; and ensure that relevant DoD policy is aligned with federal and national standards.
- The scope of the PSCWG includes all DoD communications capabilities that support first responders and emergency management programs. The scope includes communications capabilities supporting emergency response on DoD installations as well as capabilities that support mutual aid requirements or disaster response outside of DoD installations.

DoD PSCWG Goals (1 of 2)

1. Establish public safety communications governance and partnerships

- Develop a charter that facilitates information sharing by stakeholders across DoD while retaining formal lines of authority and responsibility
- Inform and support DoD representation to the ECPC, FirstNet, and other appropriate internal and external organizations
- Identify policy gaps and make recommendations for new policy and/or draft new guidance as appropriate

2. Maximize access and interoperability within DoD and with external partners

- Facilitate interoperability by participating in FirstNet demonstration programs and interoperability exercises where appropriate
- PSCWG will support and participate in the DoD CIO working group on expanding commercial cellular access on DoD installations

3. Leverage DoD capabilities and research for FirstNet → Tech Exchange

- Inventory applicable R&D and JCTD efforts from across the DoD enterprise for potential adoption by FirstNet
- Review programs, pilots, systems, doctrine and TTP for relevance to public safety and emergency management

→ DoD Assisted Acquisition

DoD PSCWG Goals (2 of 2)

4. Improve DoD capabilities

- Develop a DoD PSC clearinghouse of information and best practices
- Identify DoD public safety communications capability gaps
- Strengthen Net Ready Key Performance Parameters (KPP) to better address public safety communications requirements

5. Define DoD public safety communications end state and develop the transition plan → **Implementation Planning**

- Develop the transition timeline in alignment with FirstNet roadmap
- Develop the DoD strategic CONOPS
- Define the training requirements to facilitate the transition
- Support the acquisition community as required in developing a funding and acquisition strategy

Questions?

