



What Is FirstNetME?

The First Responder Network in Maine



Fire, police and EMS personnel respond to a 75-car pileup on Maine I-95 this winter



What is FirstNetME?



Lewiston, Maine, mill fire of 2009.

Statewide program to prepare Maine for the design, deployment and operation of the Nationwide Public Safety Broadband Network (NPSBN)

The NPSBN

Nation's first dedicated high-speed wireless broadband network for public safety

- Mission-critical, high-speed data services—location information, images, video, maps
- Single, reliable interoperable platform
- Co-existing with land mobile radio (LMR) networks
- Use of advanced long-term evolution (LTE) wireless technology
- Use of existing private/public infrastructure when possible
- Connecting over 5 million public safety users nationwide

FirstNet—First Responder Network

NPSBN is the charge of FirstNet

- Independent federal agency—DOC National Telecommunications and Information Administration (NTIA)
- Created by Middle Class Tax Relief and Job Creation Act (2012) with authorized budget of \$7 billion
- Recommended by 911 Commission to resolve communications challenges of first responders
- Charged with building core network plus radio access network (RAN) of each state that opts into program

Who will use the network?



Flooding in Farmington, Maine, 2006.

- Law enforcement, fire, EMS, LifeFlight, E911
- State, county, regional and tribal government agencies, 511
- Coast Guard, National Guard, FEMA
- Hospitals, clinics, FQHCs
- Utilities, towing and busing services for evacuation, private utilities
- Red Cross, Salvation Army, other private organizations, 211
- Response teams (S&R, ham radio, MMRS)

What do they need?

Public Safety Needs	FirstNet Solution
Reliable data communications for daily and mission-critical use	Priority and preemption: One interoperable broadband network dedicated to public safety rather than multiple separate, incompatible networks for improved communications and coordinated response
Access to mobile broadband, data, databases, and applications	Public-safety-grade mobile devices providing LTE wireless broadband connection. Shared data, images, video for situational awareness; maps/plans; medical and police records in real-time
Infrastructure redundancy	Cell site power backup, hardening; rapid rerouting for communications without interruption
Rural and wilderness coverage	Use of satellite and self-organizing network (SON) options outside of satellite for no gaps in coverage
Best voice and data communications technologies available	Use of existing land mobile radio (LMR) network assets for foreseeable future; and of existing broadband assets where possible for best service at reduced development cost

Why FirstNetME?

Maine has unique needs and coverage challenges:

- Most rural state in the nation (2010 Census)
 - 97.2% of land mass rural (nearly 90% forested); 2.8% urban
 - 61.3% of population living in rural areas
 - Rural and unpaved roads; unserved/underserved areas
- International & maritime borders (jurisdictional boundaries)
 - 611 miles of international boundary with Canada (bilingual)
 - 3,500 miles of coastline
- Tribal lands
- Vulnerable populations
 - Elderly; oldest state in the nation (median age)
 - Low income; highest poverty rate in New England (12.6%)

FirstNetME Governance

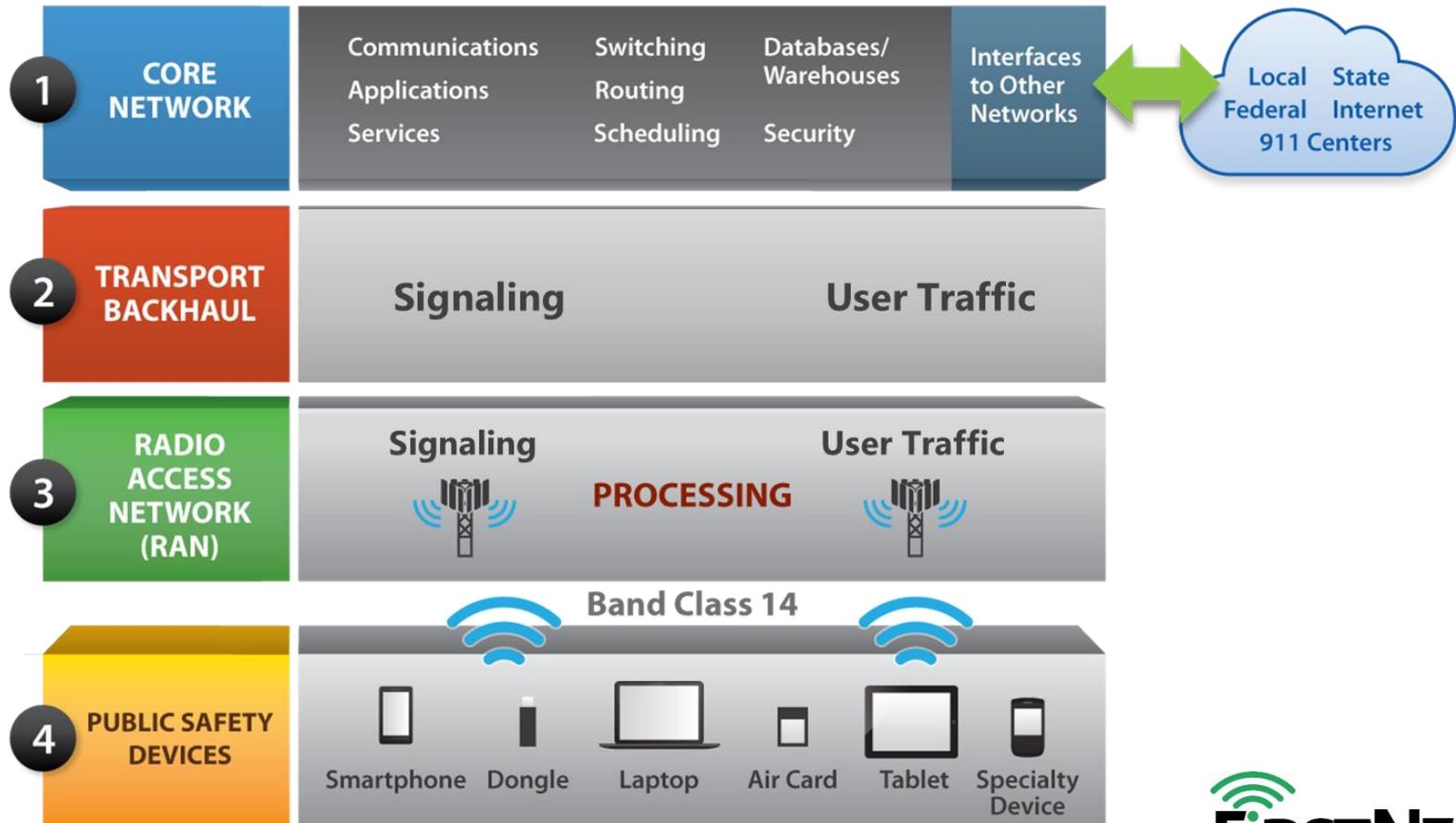


Maine ice storm of 1998.

- Maine Interoperable Communications Committee (MICC) Governance Body
- Lisa Leahy
State Single Point of Contact (SPOC)
Associate Executive Director
ConnectME Authority
- Maine Emergency Management Agency (MEMA)
 - Steve Mallory
Statewide Interoperability Coordinator (SWIC)
- FirstNetME Project Team

FirstNetME Goal

Initial federal funding of \$1.04 million* will support the development of a state network plan.



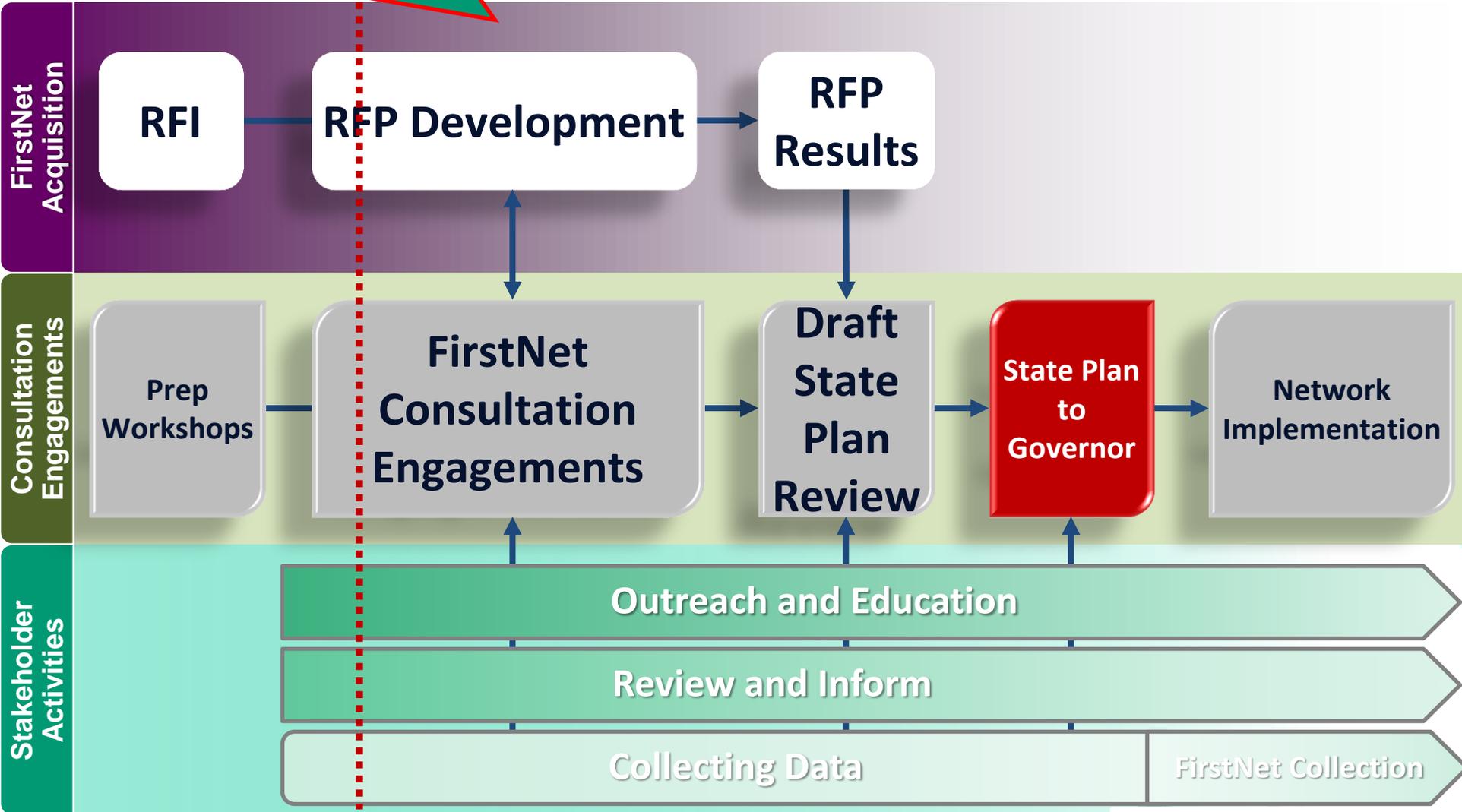
* State and Local Implementation Grant Program (SLIGP)

FirstNetME Activities

- Conduct outreach to first responders and gather information
- Hold 1st state consultation with FirstNet (May 20)
- Meet with NE states and Canada border communities
- Inventory broadband coverage objectives in Maine
- Collaborate with FirstNet on developing state plan
- Present plan to Governor Paul LePage for opt-in, opt-out decision (spring 2018)
- Work with FirstNet on implementing the network

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Next Steps

Contact us with your questions and feedback on:

- Communications technologies you use
- Challenges you face daily and in emergency situations
- Your coverage needs and requirements
- What FirstNetME means to you

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