Why FirstNet?
The First Responder Network Authority shall hold the single public safety wireless license and take all actions necessary to ensure the building, deployment, and operation of the nationwide public safety broadband network.
Guiding Principles

- Fulfill Our Public Safety Mandate
- Be Judicious with Taxpayer Funds
- Build the FirstNet Business Foundation
**Key 2013 Milestones**

- **General Manager hired**
- **6 Regional Consultation Workshops for states and territories started (completed in June 2013)**
- **LA-RICS Spectrum Lease Agreement**
- **10 Technical RFIs Released**
- **Deputy GM and Government Affairs Director Hired**
- **New Mexico Spectrum Lease Agreement**
- **FirstNet Board Approves FY 2014 Budget and Operating Plan; Established Committee Structure**
- **Established Northern VA as Corporate HQ & the Boulder, CO Area as FirstNet’s Technical, Engineering and Network Design HQ**
- **Adams County and NJ Spectrum Lease Agreements; Harris County Negotiations Extended**
No Commercial Parallel To FirstNet

- Created by law
- $2 billion in available funding before a plan, board or management team are in place
- Mandated Initiatives
- Empowers states to opt-in or opt-out
- Geographic coverage requirements
- Public safety economics coupled with smaller number of users
- Start-up constrained by government realities; (e.g., hiring process, procurement process, pay scale)

- Created by market need
- Funding dependent on plan and management experience
- Time-to- market and customer driven initiatives
- Defined competitive playing field to gain customers
- Capacity and financially viable user coverage
- Entrepreneurial spirit, energy and incentive alignment
Our Assets

- $2B of current funding (2013-2016)
- $7B total funding from future auctions (2017-2020)
- Federal, state, local, tribal, public safety assets (on-going)
- Unlock the value of excess capacity (on-going)

NATIONWIDE PUBLIC SAFETY BROADBAND NETWORK
Challenges

CHALLENGES: NATIONWIDE COVERAGE

1. Network must cover and connect 100% of U.S. geography and territories
2. The network must be designed to public safety-grade standards
3. FirstNet must build and operate a core

CHALLENGES: Capital and Costs

- Cell Site Capital Investment
- Site Operating Costs
- Hardening Investment
- Limited Number of Public Safety Users
- City, County, State, Federal Financial Constraints

CHALLENGES: MULTIPLE PARTNERSHIPS

FEDERAL ACQUISITION REGULATION

CHALLENGES: 56 TAILORED STATE RAN PLANS

1) Initial Consultation (Aligned with SL/GIP Phase 1)
2) Asset Identification & Selection (Aligned with SL/GIP Phase 2)
3) State RAN Design (Preliminary/Intermediate/Critical Design Joint Reviews)
4) State Operations / Business Plan (National Template Customized by State)
5) Final State Plan (Presented to Governor)
State by State Assessments
1. Usable assets
2. Coverage needs
3. Number of users
4. Current partners
5. Feature, equip pricing programs

FirstNet Network Design
1. Public safety first
2. Manage the core
3. Integrate state RANs
4. Mobility, security, redundancy
5. Priority, pre-emption local control

Partner Strategy
1. Value contribution
2. Bring innovation
3. Enables PS design
4. State relationships
5. Diversified portfolio of partnerships

Business Plan Clarity
1. Govt time horizons
2. Know constraints
3. Build momentum
4. Align build with available funding
5. Understand public safety economics
On August 13 the FirstNet Board approved a $194M budget for 2014.
Multiple network coverage solutions operating across 5 distinct geographic categories

- **Wilderness**: 27% of U.S. Land Mass
- **Rural**: 68% of U.S. Land Mass
- **Suburban**: 5% of U.S. Land Mass
- **Urban**: 5% of U.S. Land Mass
- **Dense Urban**: 5% of U.S. Land Mass
Overview Of Consultation Process

- Consultation is an iterative process, not a single event
- FirstNet will communicate the consultation process and necessary roles and responsibilities
- Consultation will focus on critical information and data
- Plan development will be iterative
- Consultation culminates with the creation of the state plan

Together, stakeholders and FirstNet will have engaged in a process that provides meaningful and thorough information for the state plans.
Wide Range Of Stakeholder Consultation

- State Consultation (SPOC / SLIGP)
  - State
  - Local
  - Tribal
  - Regional
  - Rural
  - Metropolitan

- Federal Input (ECPC)
  - Federal Responders
  - Federal Infrastructure Owners

- Industry Input (RFP / Partnering)
  - NGOs
  - Utilities
  - Commercial

- State Plan
- Governor’s Decision
  - Users
  - Coverage
  - Assets

February 4, 2014
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Complementing LMR with LTE

Public safety will rely on land mobile radio (LMR) for mission-critical voice until LTE capabilities exceed current functionality.

Elements to be evaluated:

- Push-to-talk
- Direct mode
- Emergency calling
- Enhanced broadcast
- High-power mobile
- Public safety-grade performance
The FirstNet operational outreach model aligns with 10 FEMA regions.

- **10 Regional Teams to:**
  - Work with the state SPOCs
  - Outreach to cities and other localities
  - Current Focus: state consultation
  - Future Focus:
    - Solution sales
    - Support
    - Account management
    - Outreach
    - Education and training

- **2 Nationwide Teams to:**
  - Gather input and requirements
  - Serve users
Get Involved...

- Develop deep understanding of how public safety works
- Leverage LTE to deliver cost effective solutions
- Develop rapidly deployable products – small cell technology
- Continue to participate in PSCR demo network
- Meet public safety quality reliability standards
- Bring solutions
Thank You

www.firstnet.gov