



**FirstNet™**

# FloridaNet Project Status Update

FloridaNet Executive Committee

June 26<sup>th</sup> 2015



# Topics

- Executive Committee Membership
- FirstNet Activities
- Technical Committee Developments
- Looking Ahead

# Paul J. Steinman, P.E.

## District Seven Secretary

Florida Department of Transportation



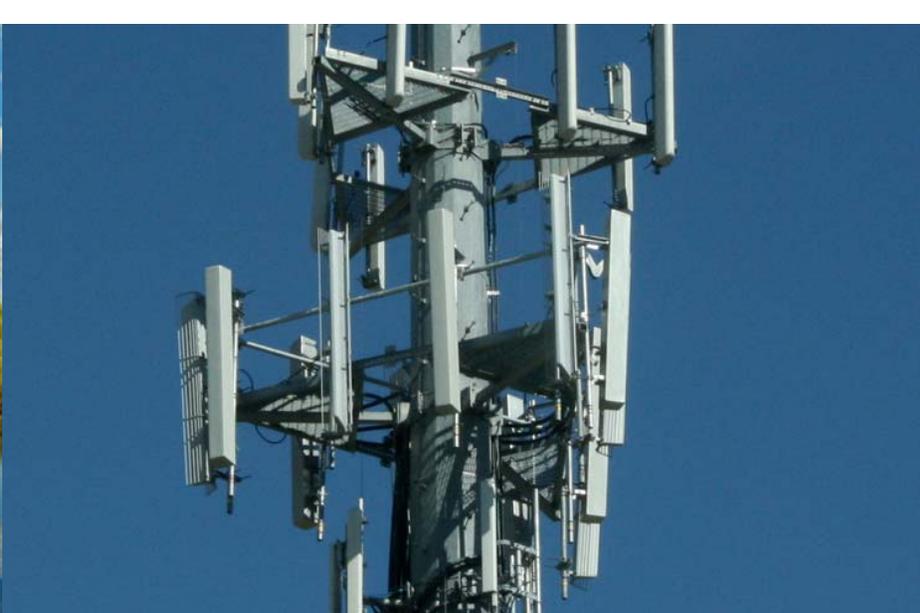
- 25+ Years of DOT transportation experience
- Licensed engineer in four States
- Member of the FDOT Executive Team
- Tampa Hillsborough Expressway Authority (THEA) Board
- Tampa Bay Regional Transportation Authority (TBARTA) Board
- American Association of State Highway and Transportation Officials (AASHTO) representative on FirstNet PSAC
- Chair of the Special Committee on Wireless Communications Technology (SCOWCoT)
- Automated Vehicle Steering Committee

EXH. B

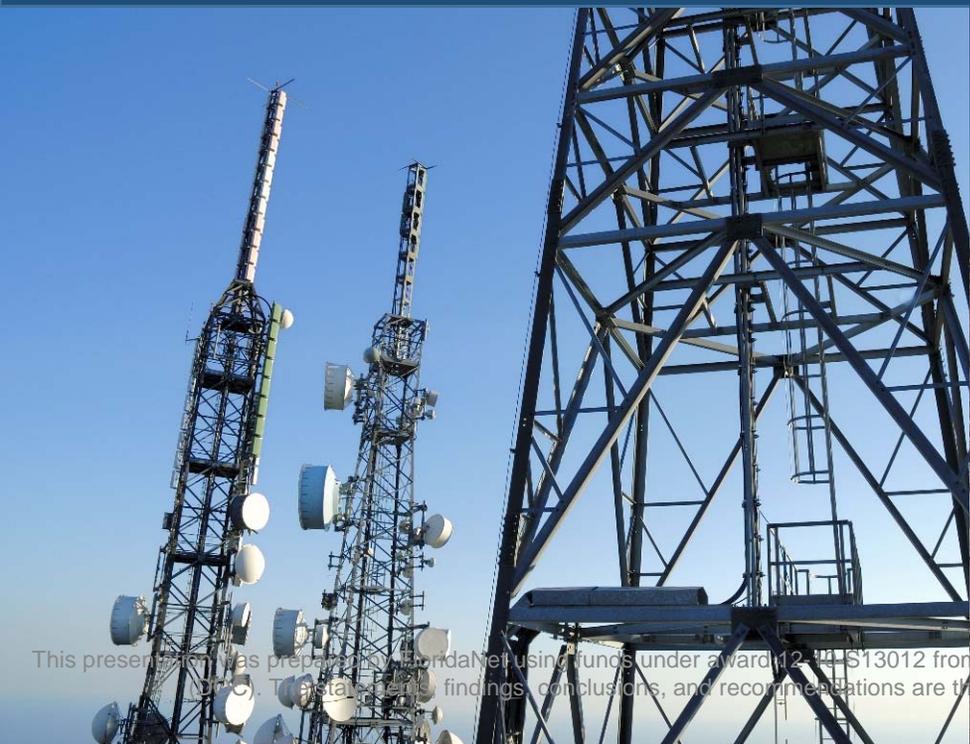
# Executive Committee

## Membership Vacancies

- Florida Department of Management Services
- Private Sector Partner



# FirstNet Activities



This presentation was prepared for FloridaNet using funds under award 12-44-S13012 from the U.S. Coast Guard. The findings, conclusions, and recommendations are those of the presenter and do not necessarily reflect those of the Coast Guard.

# Developments

- **Second Notice**
  - Devices
  - Network policies
  - FirstNet State Plan
  - State-built RAN
- **Third Notice**
  - Definition of “Public Safety Entity”
- **Draft RFP**
  - Overview
  - Questions
  - Comments

# Second Public Notice

13336

Federal Register / Vol. 80, No. 49 / Friday, March 13, 2015 / Notices

technology to protect the integrity and confidentiality of information submitted to the USPTO. PKI employs public and private encryption keys to authenticate the customer's identity and support secure electronic communication between the customer and the USPTO. Customers may submit a request to the USPTO for a digital certificate, which enables the customer to create the encryption keys necessary for electronic identity verification and secure transactions with the USPTO. This digital certificate is required in order to access any secure online systems USPTO provides, including the systems for electronic filing of patent applications and viewing confidential information about unpublished patent applications.

**Affected Public:** Businesses or other for-profit institutions.

**Frequency:** On occasion.  
**Response's Obligation:** Required to Obtain or Retain Benefits.

This information collection request may be viewed at [reginfo.gov](http://reginfo.gov). Follow the instructions to view Department of Commerce collections currently under review by OMB.

**OMB Desk Officer:** Nicholas A. Fraser, email: [Nicholas\\_A\\_Fraser@omb.eop.gov](mailto:Nicholas_A_Fraser@omb.eop.gov).

Once submitted, the request will be publicly available in electronic format through [reginfo.gov](http://reginfo.gov). Follow the instructions to view Department of Commerce collections currently under review by OMB.

Paper copies can be obtained by:  
• Email: [InformationCollections@uspto.gov](mailto:InformationCollections@uspto.gov). Include "0651-0045 copy request" in the subject line of the message.

• Mail: Marcie Lovett, Records Management Division Director, Office of the Chief Information Officer, United States Patent and Trademark Office, P.O. Box 1450, Alexandria, VA 22313-1450.

Written comments and recommendations for the proposed information collection should be sent on or before April 13, 2015 to Nicholas A. Fraser, OMB Desk Officer, via email to [Nicholas\\_A\\_Fraser@omb.eop.gov](mailto:Nicholas_A_Fraser@omb.eop.gov), or by fax to 202-395-6167, marked to the attention of Nicholas A. Fraser.

Dated: March 9, 2015.

**Marcie Lovett,**  
Records Management Division Director,  
USPTO, Office of the Chief Information Officer.

FR Doc. 2015-06779 Filed 3-12-15; 8:45 am  
BILLING CODE 3010-18-P

## DEPARTMENT OF COMMERCE

### Notice of Public Meeting of the Advisory Committee on Commercial Remote Sensing

**AGENCY:** National Oceanic and Atmospheric Administration, U.S. Department of Commerce.

**ACTION:** Notice of Public Meeting.

**SUMMARY:** The Advisory Committee on Commercial Remote Sensing (ACCRES) will meet April 28, 2015.  
**DATES:** Date and Time: The meeting is scheduled as follows: April 28, 2015, 9:00 a.m.–4:00 p.m. The first part of the meeting will be closed to the public. The public portion of the meeting will begin at 2:00 p.m.

**ADDRESSES:** The meeting will be held in the George Washington University Elliott School of International Affairs, Room 506 located at 1657 E St. NW., Washington, DC 20052.

**SUPPLEMENTARY INFORMATION:** As required by section 106(a)(2) of the Federal Advisory Committee Act, 5 U.S.C. App. 2, as amended by Section 5(c) of the Government in Sunshine Act, Public Law 94-409 and in accordance with Section 552(b)(3)(1) of Title 5, United States Code. The Committee will receive a presentation on updates of NOAA's commercial remote sensing issues and licensing activities. The Committee will also receive public comments on its activities.

#### Matters To Be Considered

The meeting will be partially open to the public pursuant to Section 106(d) of the Federal Advisory Committee Act, 5 U.S.C. App. 2, as amended by Section 5(c) of the Government in Sunshine Act, Public Law 94-409 and in accordance with Section 552(b)(3)(1) of Title 5, United States Code.

The Committee will receive a presentation on updates of NOAA's commercial remote sensing issues and licensing activities. The Committee will also receive public comments on its activities.

#### Special Accommodations

These meetings are physically accessible to people with disabilities. Requests for special accommodations may be directed to ACCRES, NOAA/NESDIS/CRSRA, 1335 East West Highway, Room 8260, Silver Spring, Maryland 20910.

#### Additional Information and Public Comment

Any member of the public wishing further information concerning the meeting or who wishes to submit oral

written comments should contact Tabara Dawkins, Designated Officer for ACCRES, NOAA/NESDIS/CRSRA, 1335 East West Highway, Silver Spring, Maryland. Copies of the draft meeting agenda be obtained from Thomas Smith 713-0573, fax (301) 713-1240 ([thomas.smith@noaa.gov](mailto:thomas.smith@noaa.gov)).

The ACCRES expects that its statements presented at its meeting will be limited to a total time of five minutes. Written comments (please print) received in advance of the meeting date will normally be provided to Committee members at the meeting. Comments received too close to the meeting date will normally be provided to Committee members at the meeting.

**FOR FURTHER INFORMATION CONTACT:** Tabara Dawkins, NOAA/NESDIS/CRSRA, 1335 East West Highway, Silver Spring, Maryland, telephone (301) 713-3385, fax 713-1240, email [Tabara.Dawkins@noaa.gov](mailto:Tabara.Dawkins@noaa.gov), or Thomas Smith at (301) 713-0573, email [Thomas.Smith@noaa.gov](mailto:Thomas.Smith@noaa.gov).

**Tabara D. Dawkins,**  
Director, Commercial Remote Sensing Regulatory Affairs.

FR Doc. 2015-06068 Filed 3-12-15; 4:45 pm  
BILLING CODE 3010-18-P

## DEPARTMENT OF COMMERCE

### National Telecommunication Information Administration

**First Responder Network Authority**  
(Docket Number 150306226-5226-RIN 0660-XC017)

**Further Proposed Interpretation of Parts of the Middle Class Tax Relief and Job Creation Act of 2012**

**AGENCY:** First Responder Network Authority, National Telecommunications and Information Administration, U.S. Department of Commerce.

**ACTION:** Notice and request for comments.

**SUMMARY:** The First Responder Network Authority ("FirstNet") published Second Notice to request public comment on certain proposed interpretations of its enabling legislation that will inform, among other things, network policies, forthcoming

Before the  
DEPARTMENT OF COMMERCE  
FIRST RESPONDER NETWORK AUTHORITY  
NATIONAL TELECOMMUNICATIONS AND INFORMATION ADMINISTRATION  
Washington, D.C. 20230

In the Matter of the

First Responder Network Authority  
Further Proposed Interpretations of Parts of  
The Middle Class Tax Relief and Job  
Creation Act of 2012

Docket No. 150306226-5226-01

## COMMENTS OF THE STATE OF FLORIDA

### Introduction

Florida welcomes the second opportunity to respond to the First Responder Network Authority ("FirstNet"), National Telecommunications and Information Administration ("NTIA"), and U.S. Department of Commerce, Notice and Request for Comment ("Second Notice"). The Second Notice seeks comment on FirstNet's further interpretations of Middle Class Tax Relief and Job Creation of 2012 ("Act"), which governs its purpose and activities.<sup>1</sup> We believe this Second Notice is a significant step towards implementing the National Public Safety Broadband Network ("NPSBN").

The Florida Department of Highway Safety and Motor Vehicles is the designated governmental body for coordination with FirstNet for the State of Florida. Florida is currently the third most populous State in the nation with an estimated 19.9 million residents. The large

<sup>1</sup> Middle Class Tax Relief and Job Creation Act of 2012, Public Law 112-96, 126 Stat. 156 (2012)(Act); see Department of Commerce, NTIA Docket No. 150306226-5226-01, RIN 0660-XC017, *First Responder Network Authority Further Proposed Interpretations of Parts of the Middle Class Tax Relief and Job Creation Act of 2012*, Fed. Reg. Vol. 80, No. 49, 13336 (March 13, 2015)(Second Notice).

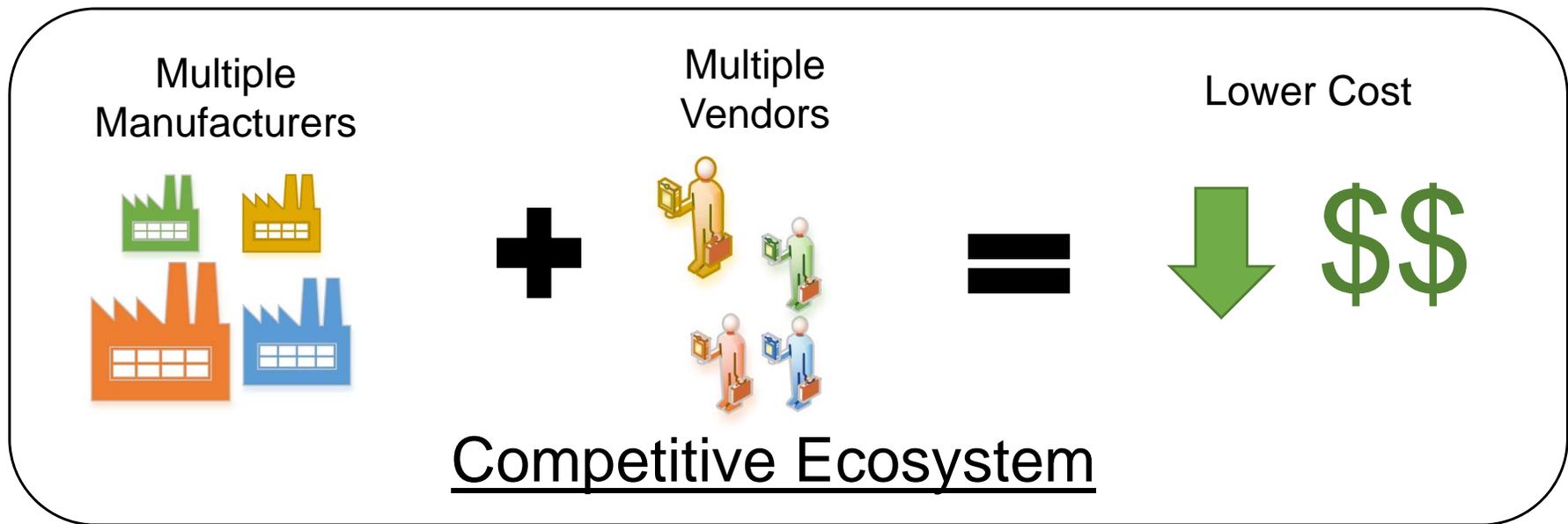
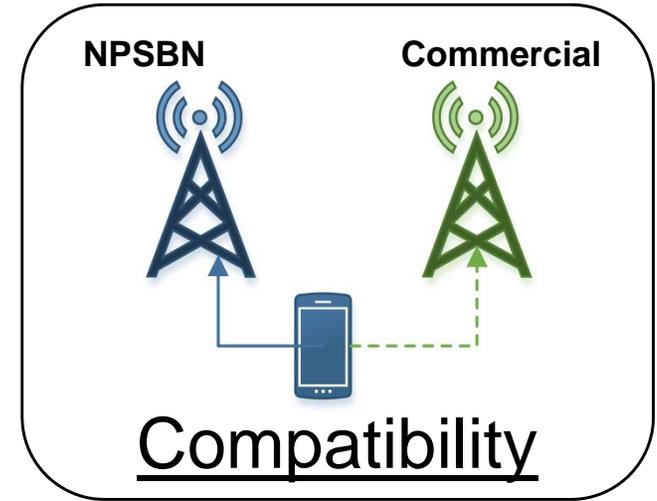
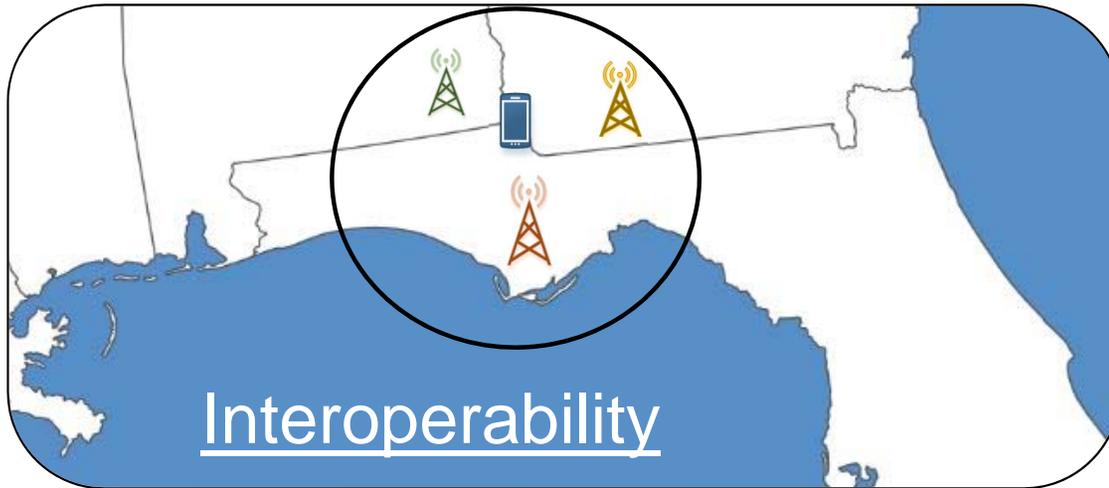
EXH. D

EXH. E

EXH. F

# Second Public Notice

## Devices

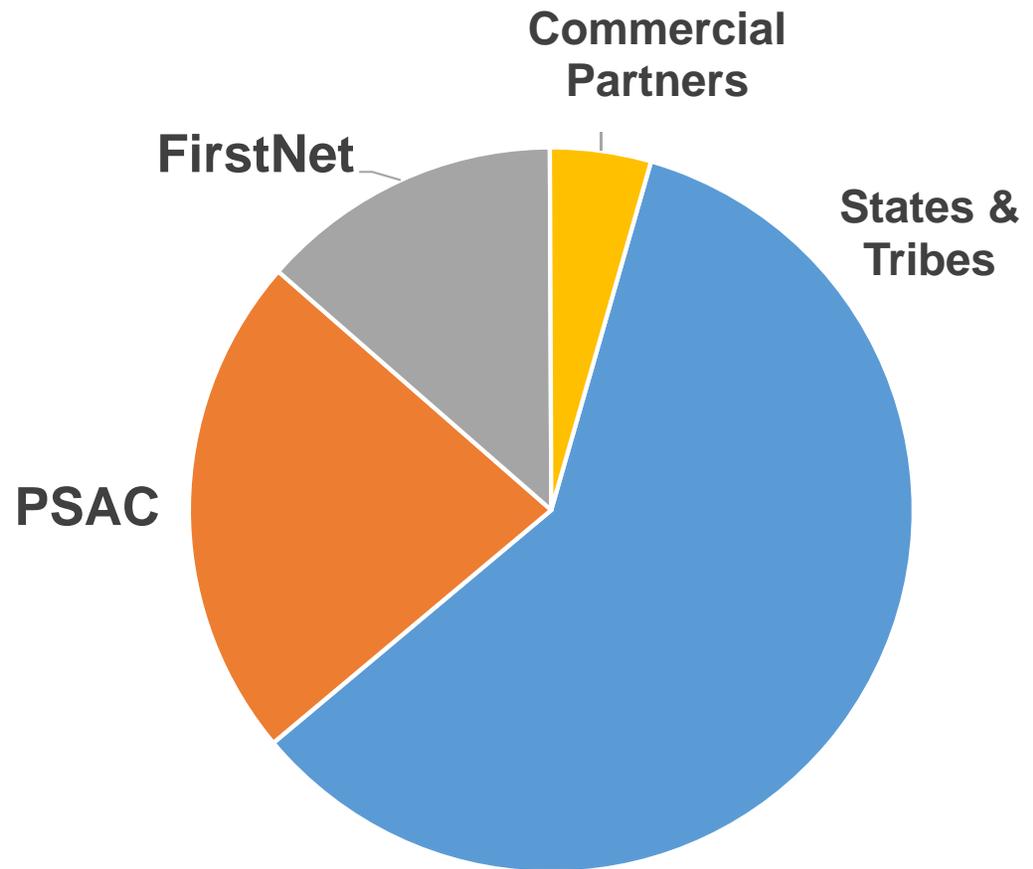


# Second Public Notice

## Network Policies

- States and Tribes should determine a majority of the Network policies.
- Commercial partners may help shape some of the technical elements.

### Proportional Influence



# Second Public Notice

## FirstNet State Plan

### “Participate”



### Data Sharing



### State-by-State Delivery



## Contents

Interoperability

Technical capabilities

Timeline

Cost-effectiveness

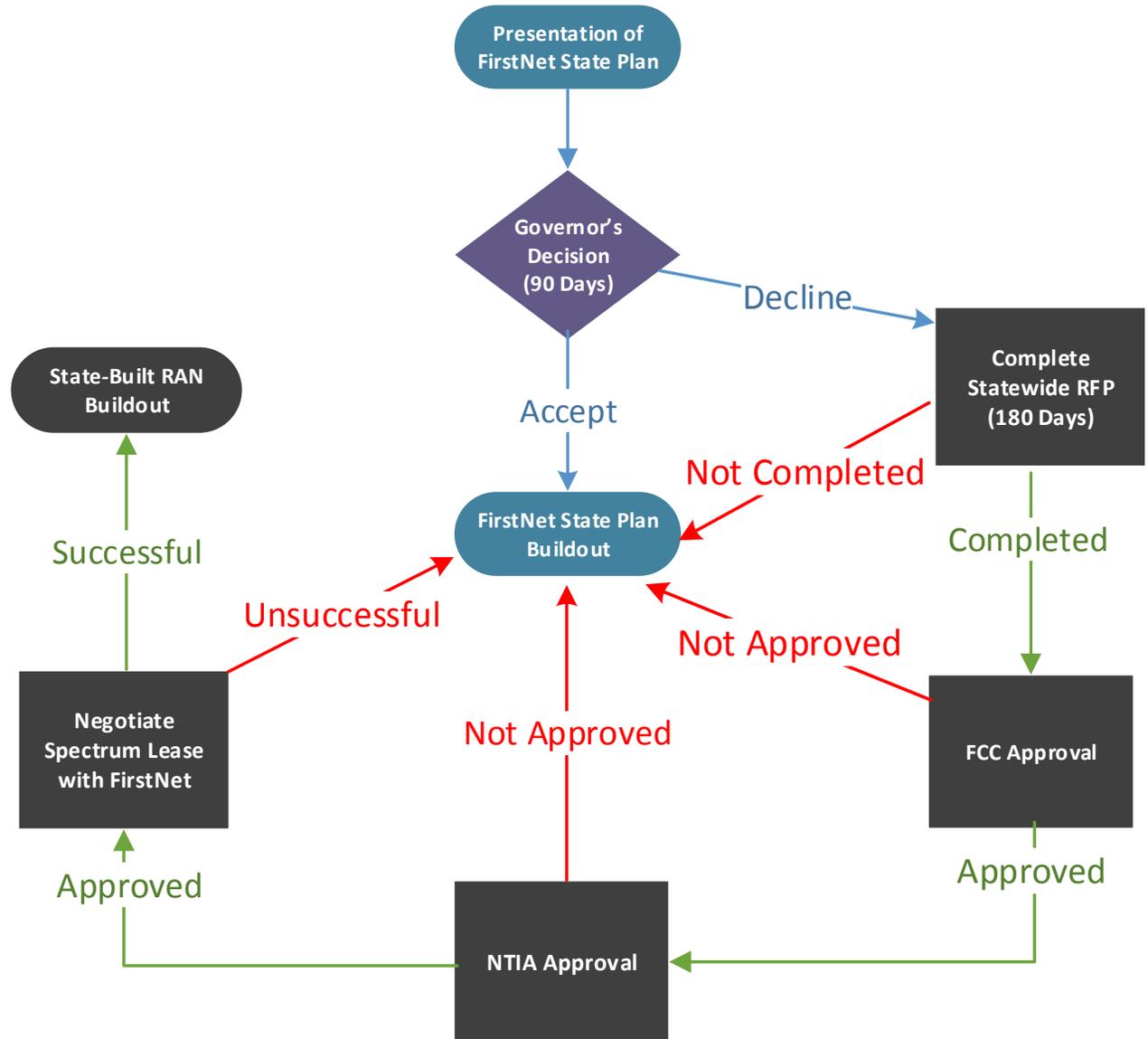
Security

Coverage

Quality of Service

# Second Public Notice State-Built RAN

- FirstNet is strongly encouraging (and depending on) all States accepting their FirstNet State Plan



# Third Public Notice

Before the  
**DEPARTMENT OF COMMERCE**  
**FIRST RESPONDER NETWORK AUTHORITY**  
**NATIONAL TELECOMMUNICATIONS AND INFORMATION ADMINISTRATION**  
 Washington, D.C. 20230

In the Matter of the )  
 )  
 First Responder Network Authority ) Docket No. 140821696-5400-03  
 Further Proposed Interpretations of Parts of )  
 The Middle Class Tax Relief and Job )  
 Creation Act of 2012 )

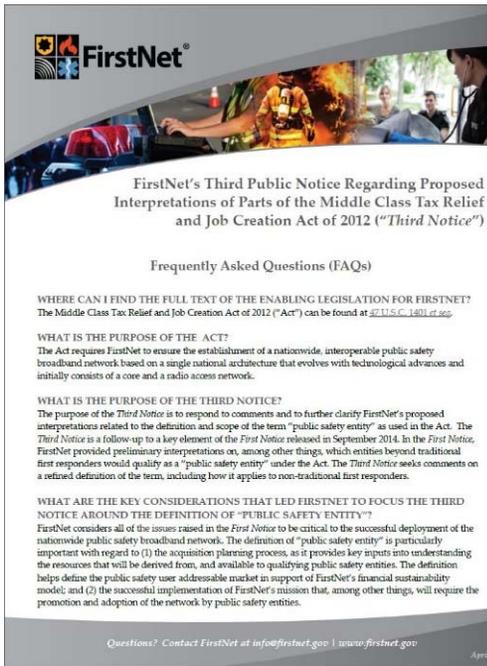
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<sup>1</sup> Middle Class Tax Relief and Job Creation Act of 2012, Public Law 112-96, 126 Stat. 156 (2012)(Act); see Department of Commerce, NTIA Docket No. 140821696-5400-03, 0660-XC012, *First Responder Network Authority Further Proposed Interpretations of Parts of the Middle Class Tax Relief and Job Creation Act of 2012*, Fed. Reg. Vol. 80, No. 86, 25663 (May 5, 2015)(*Third Notice*)



EXH. H



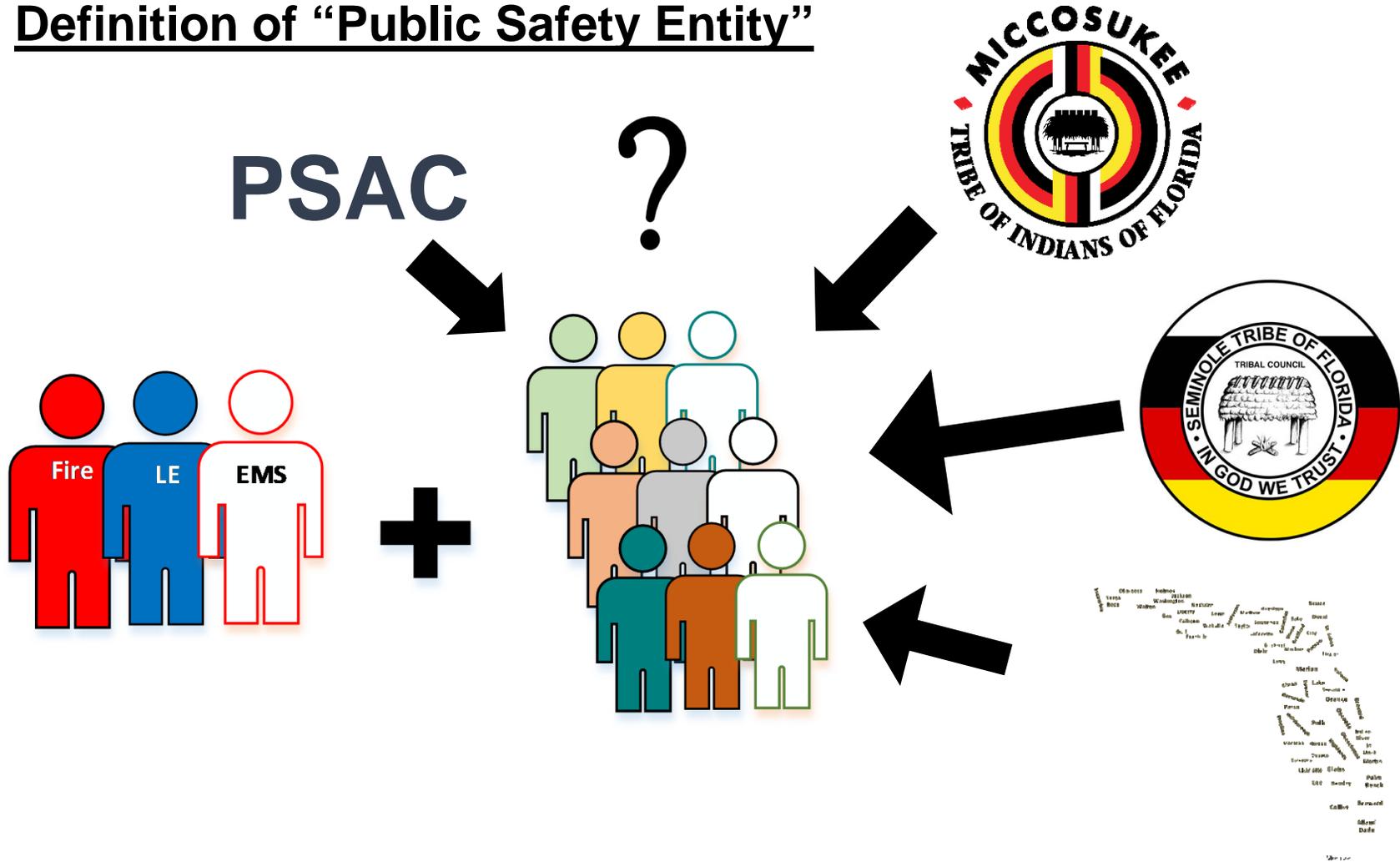
EXH. I

EXH. J

# Third Public Notice

## “Public Safety Entity”

### Definition of “Public Safety Entity”



# Draft RFP

EXH. M



**First Responder Network Authority (FirstNet)  
Nationwide Public Safety Broadband Network (NPSBN)  
Special Notice - D15PS00295**

**1 Background**

This notice builds on previous Requests for Information (RFI) from the First Responder Network Authority (FirstNet) and incorporates feedback received from prior communications. To date, FirstNet has published thirteen (13) RFIs as well as held multiple vendor meetings and state consultations. Responses to the RFIs and vendor meetings have been used, by FirstNet, in order to better understand industry's capabilities, analyze the recommendations and alternatives approaches, and determine how to best leverage existing capabilities and best practices in order to meet public safety needs. The feedback received included responses to the following:

- May 2013 RFI on devices;
- July 2013 RFIs on network partners, radio access network, the core network, and seven other items;
- November 2013 RFI on applications platforms and;
- A September 2014 RFI on approaches to and objectives for establishing the NPSBN, including a draft Statement of Objectives (SOO).

FirstNet has engaged in extensive efforts to gather information through a significant ongoing outreach and consultation process, which has included a series of regional workshops, state single point of contact (SPOC) calls, in person national SPOC two day meeting, onsite public safety interactions, Public Safety Advisory Committee (PSAC) meetings, and notice and comment processes. From the previous RFI, vendor engagements, ongoing outreach, and specific consultations, FirstNet has and will continue to obtain critical information regarding public safety to define its strategy.

**2 Introduction**

This special notice (herein after referred to as no (DOI), Interior Business Center (IBC), Acquisition Department of Commerce (DOC), FirstNet, as an Those interested parties qualified as a small business under the North American Industry Classification System Code (NAICS) 541110.

147 D.S.C. 1424(a)(2)(B)  
147 D.S.C. 1425(a)(1).

Page 1

**FirstNet's Special Notice with Draft RFP Documents**

**Frequently Asked Questions (FAQs)**

**WHY IS FIRSTNET INITIATING AN ACQUISITION PROCESS?**  
The Middle Class Tax Relief and Job Creation Act of 2012 (Act) requires FirstNet to issue open, transparent, and competitive requests for proposals (RFP) to build, operate, and maintain the nationwide public safety broadband network (NPSBN). To implement this mandate, FirstNet is initiating an acquisition process to promote innovation; allow for flexibility; encourage competition; and create opportunities for feedback from interested parties, including states and territories, local jurisdictions, tribal nations, federal agencies, public safety stakeholders, and market participants early in the process.

**WHAT IS FIRSTNET SEEKING TO ACQUIRE?**  
Through the RFP, FirstNet will seek to work with potential offerors to acquire services and/or potentially equipment to provide Band 14 Long Term Evolution (LTE) services to public safety entities nationwide. FirstNet has identified several high-level functions it has determined necessary to provide a solution that meets FirstNet's stated mission and objectives around deploying a world class network for public safety. FirstNet is asking market participants to address the following high-level functions through the Special Notice:

- Core
- Applications ecosystem
- Radio Access Network (RAN)
- Covered Leasing Agreement (CLA)
- Deployables
- Satellite
- Devices
- Subscriber adoption
- Customer lifecycle management

**HOW DOES THE SPECIAL NOTICE ALLOW FOR INPUT FROM THE PUBLIC AND STAKEHOLDERS?**  
On April 24, the FirstNet Board adopted a resolution to authorize the release of a Special Notice seeking feedback on draft RFP documents. The Special Notice provides instructions for interested parties on how to ask questions of and provide comments to FirstNet on the draft RFP documents, and requests the submission of capabilities statements from the vendor community.

*Questions? Contact FirstNet at info@firstnet.gov | www.firstnet.gov*

*May 2015*

Special Notice D15PS00295 - Questions of the State of Florida



**Questions of the State of Florida**

Item	Page No.	Document/ Paragraph Ref/Sentence	Question/Comment	Government Response	RFP Change
1		Statement of Objectives (SOO) / C.2.3/ "This SOO lists high level objectives, with minimum requirements, allowing latitude for contractors to define implementation details."	How will you score each high level objective as it relates to contract award?		
2	6	Statement of Objectives (SOO) / C.9/ "As the feature set of future 3GPP release is formalized, contractor and FirstNet will agree on the features required for the NPSBN and the associated delivery date for each."	Why are States, and/or Public Safety at a minimum, not involved with the determination of the features required for the NPSBN?		
3	1	SOO Appendix C-1 / 1 / "Coverage is defined as having a minimum of 786Kbps downlink and 256Kbps uplink at the cell edge with 50% loading."	How did you determine these figures and are they negotiable?		
4	1	SOO Appendix C-1 / 1 / "Coverage is defined as having a minimum of 786Kbps downlink and 256Kbps uplink at the cell edge with 50% loading."	How does this value compare to current 3GPP standards?		

Page 1

EXH. O

EXH. L

# Draft RFP

## Overview

### What FirstNet seeks for feedback

- FirstNet’s approach
- Deployment and operation of the Network
- Proposed financial sustainability model
- Operational architecture
- Other draft RFP documents

### Nationwide Approach

Nationwide Core Network								
Covered Leasing Agreements (CLA)								
Radio Access Network (RAN)								
State	State	State	State	State	State	State	State	Territory

### Regional Approach

CLA	CLA	CLA				CLA	
RAN	RAN	RAN				RAN	
State	Territory						

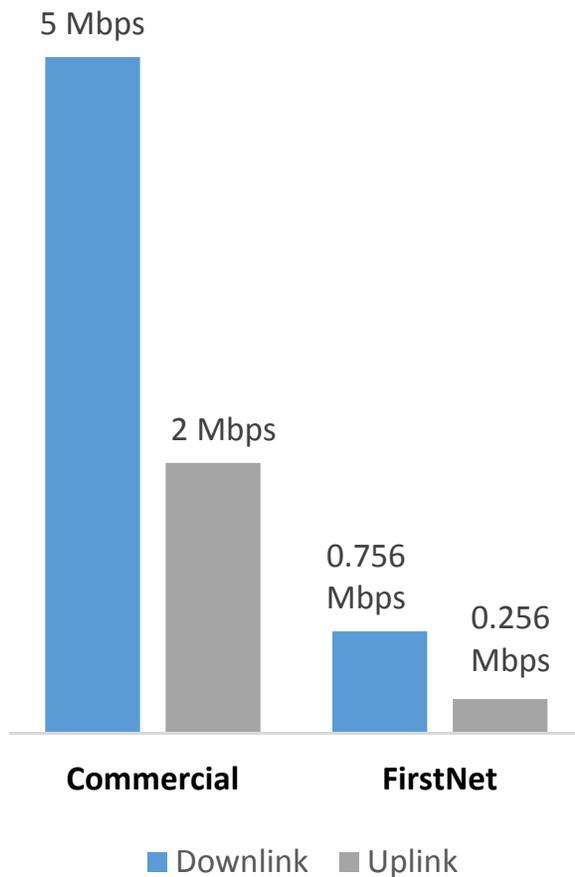
### Pricing Concepts



# Draft RFP

## Questions

### Coverage



### Throughput Values

Grid Color	Coverage Defined at the following Average Downlink Throughput per Square Mile
RED GRID	3.0 Mbps
BLUE GRID	0.5 Mbps
GREEN GRID	0.1 Mbps

### Local Control as a Service

- How is it defined?
- What is the difference between local control and “local control as a service”?
- Who gets billed for it?

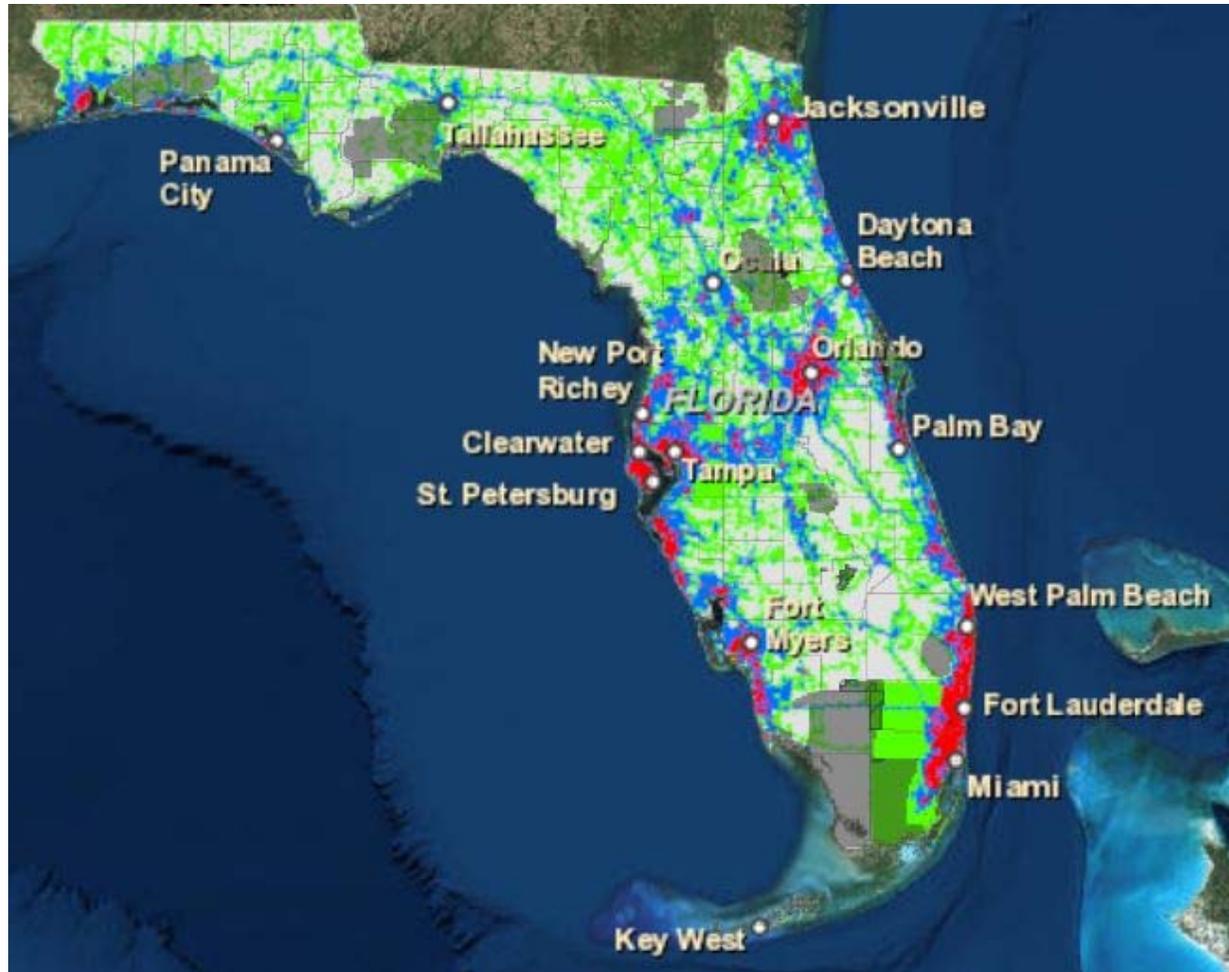
# Data Collection

## FirstNet Baseline Coverage Map

Map provided by:

Richard Butgereit, GISP

GIS Administrator, Division of Emergency Management



EXH. P

# Data Collection

## Secure File Sharing

### Secure File Sharing Service



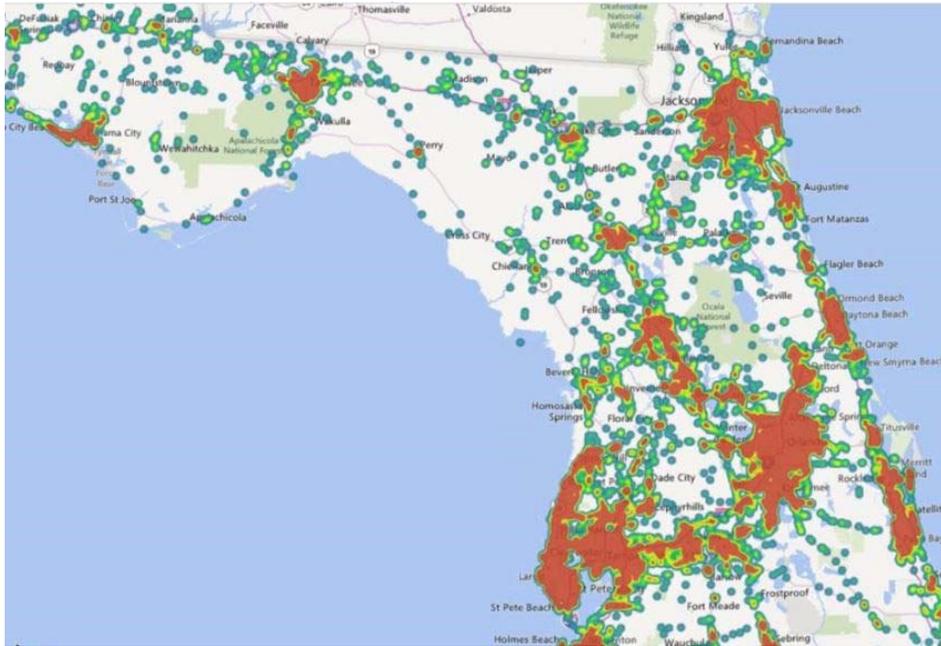
What we are looking for:

- Response locations
- Data usage
- Crash data
- Applications
- Providers
- Computer Aided Dispatch (CAD)
- Latitude and longitude data

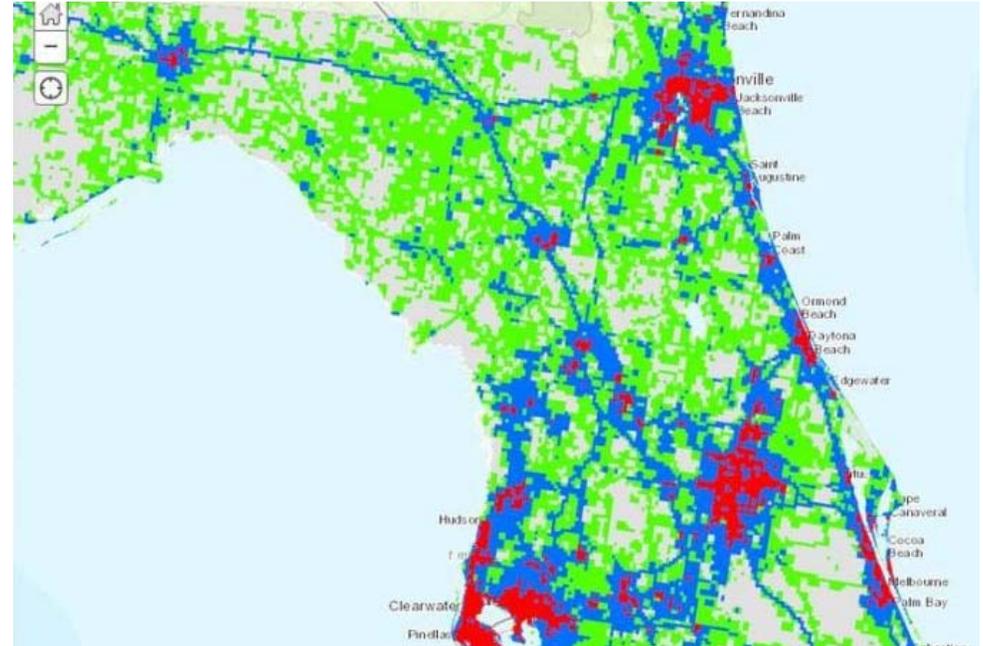
It is incumbent upon the local user to provide de-sensitized data

# Data Collection

## Crash Data Example



*Crash Data – January 2015*



*FirstNet Baseline Coverage Map*

# Data Collection

## CASM NextGen





# Technical Committee Activities



This presentation was prepared by FloridaNet using funds under award 12-10-9-13012 from the National Telecommunications and Information Administration (NTIA), U.S. Department of Commerce (DOC). The statements, findings, conclusions, and recommendations are those of the author(s) and do not necessarily reflect the views of the NTIA, DOC, or FirstNet.

# New Members

## Region 1

**George Hawkins**

Santa Rosa County

Communications

Coordinator

## Region 3

**Alphonso Gordon**

Public Safety

Communications

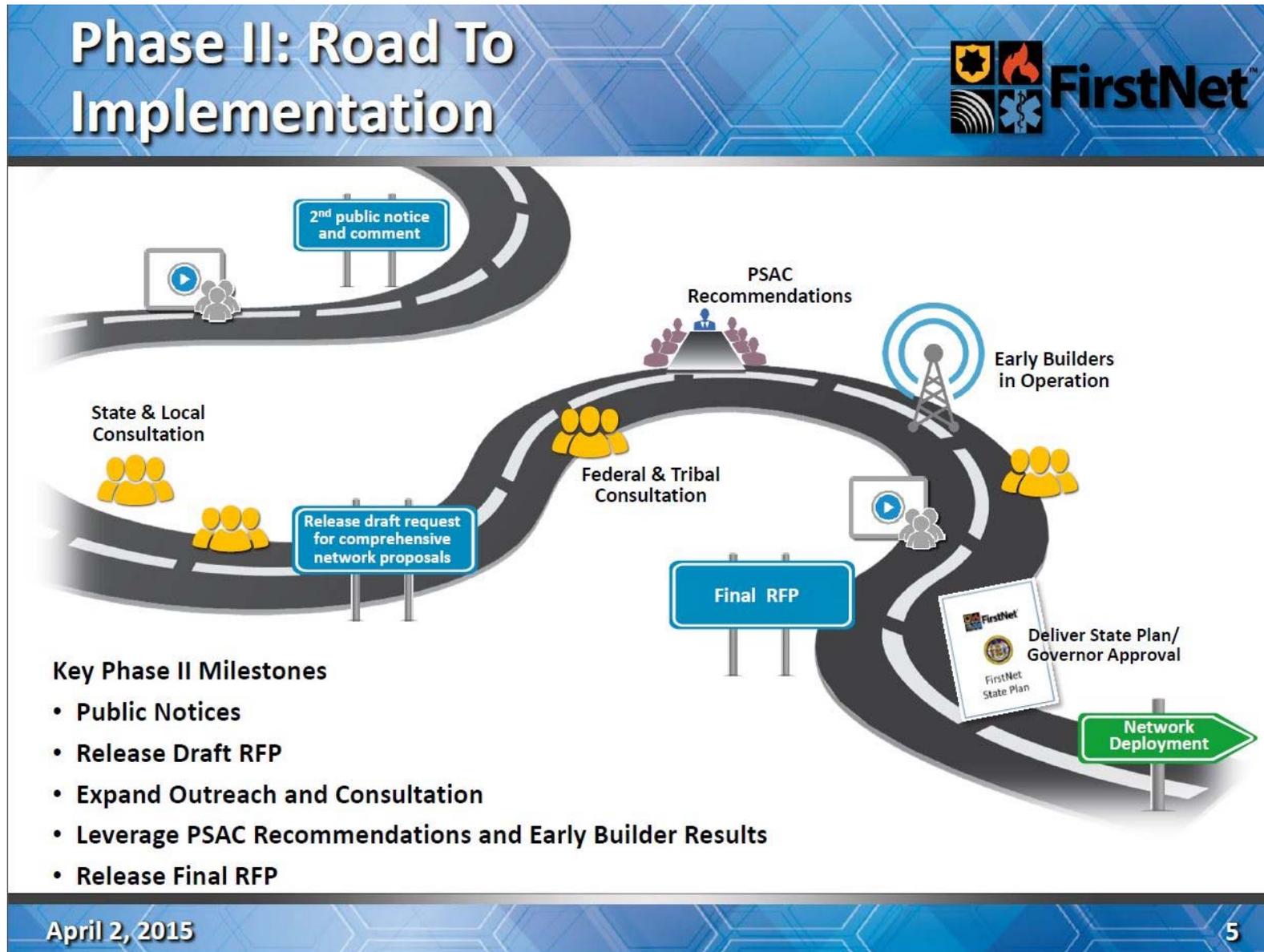
Radio System Manager

# Contract Vehicle Survey

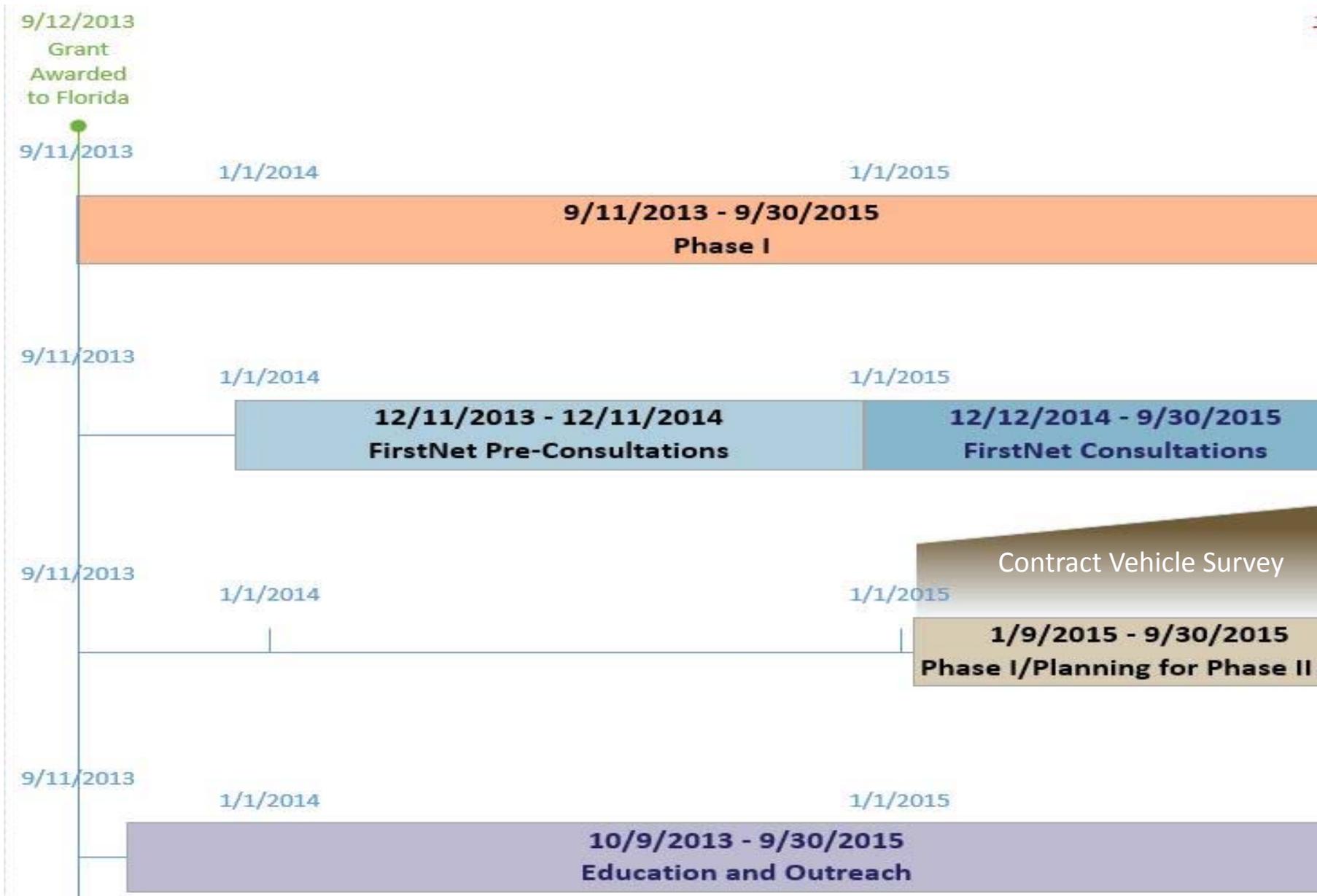
Region	Sent	Bounced	Surveys Started	Surveys Completed	Partials
1	52	7	9	3 (6.7%)	6
2	90	14	16	11 (14.5%)	5
3	76	10	21	15 (22.7%)	6
4	117	10	29	14 (13.1%)	15
5	203	-	105	65 (32.0%)	40
6	79	4	28	16 (21.3%)	12
7	96	4	9	6 (6.5%)	3

*\*As of June 19, 2015*

# Looking Ahead

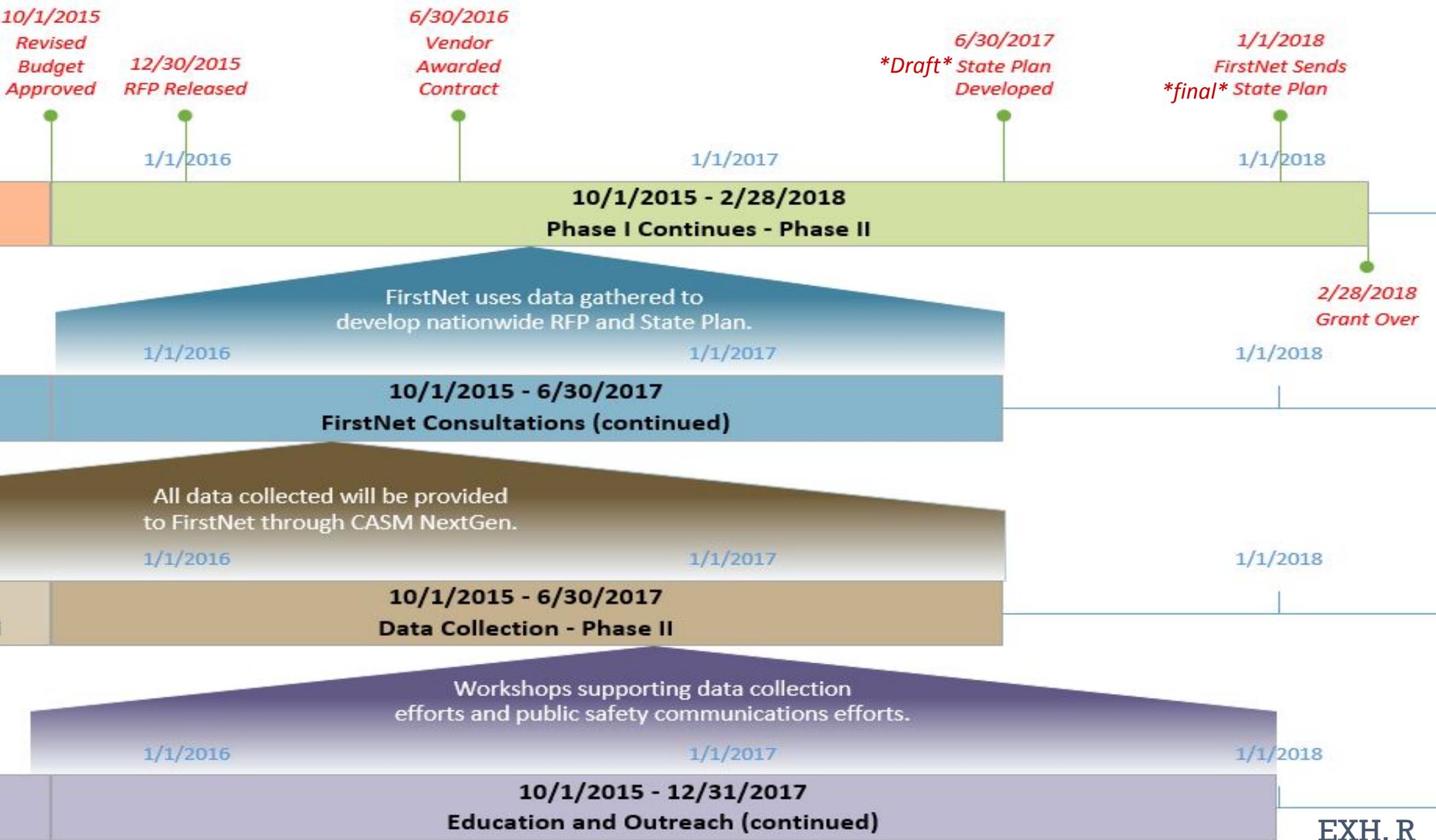


# Project Timeline



EXH. R

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EXH. R

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# Budget Updates

- In March, NTIA announced the availability of Phase II funding
- Instructed the states to prepare a revised budget, budget justification, Baseline/Expenditure Plan, and narrative outlining data collection activities
- Florida's Phase II package is due to NTIA on August 23
- DHSMV and DEM will work together to provide package to NTIA

# Upcoming Events

Month of July	Draft RFP Working Groups
July 4	Contract Vehicle Survey Due
July 8	EMS Meeting (Orlando, FL)
July 14 – 16	CJIS Symposium (Ponte Vedra Beach, FL)
July 27	Draft RFP Comments Due
July 31	Data Submittal to FirstNet (Original Date)
August 15	White Paper Produced
August 16 - 19	APCO Conference (Washington, D.C.)
August 28 ( <i>tentative</i> )	3 <sup>rd</sup> Quarter Executive Committee Meeting
September 30	Data Submittal to FirstNet (Revised Date)

*If there are any events in your area that you would like us to attend or present, please let us know!*

# Comments / Questions?