



# FirstNet™



## FirstNet and NG9-1-1: The Big Picture View

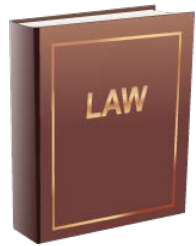
**Kevin McGinnis**

FirstNet, Board Member

March 19, 2015



# Implementing the Vision



## THE LAW

### 2.22.12

FirstNet becomes law  
PL 112-96

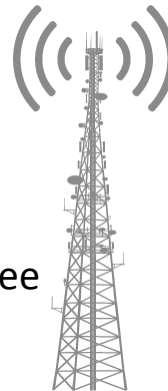
## GOVERNANCE



The FirstNet Board has **15** members, including those with telecommunications and public safety backgrounds

Each Governor appoints **1** Single Point of Contact (SPOC) and governing body to represent the state's interests to FirstNet.

**40** member Public Safety Advisory Committee (PSAC) advises FirstNet on public safety intergovernmental matters.



## FUNDING



**\$7B** authorized to build the FirstNet network. Funded by spectrum auctions through 2022.

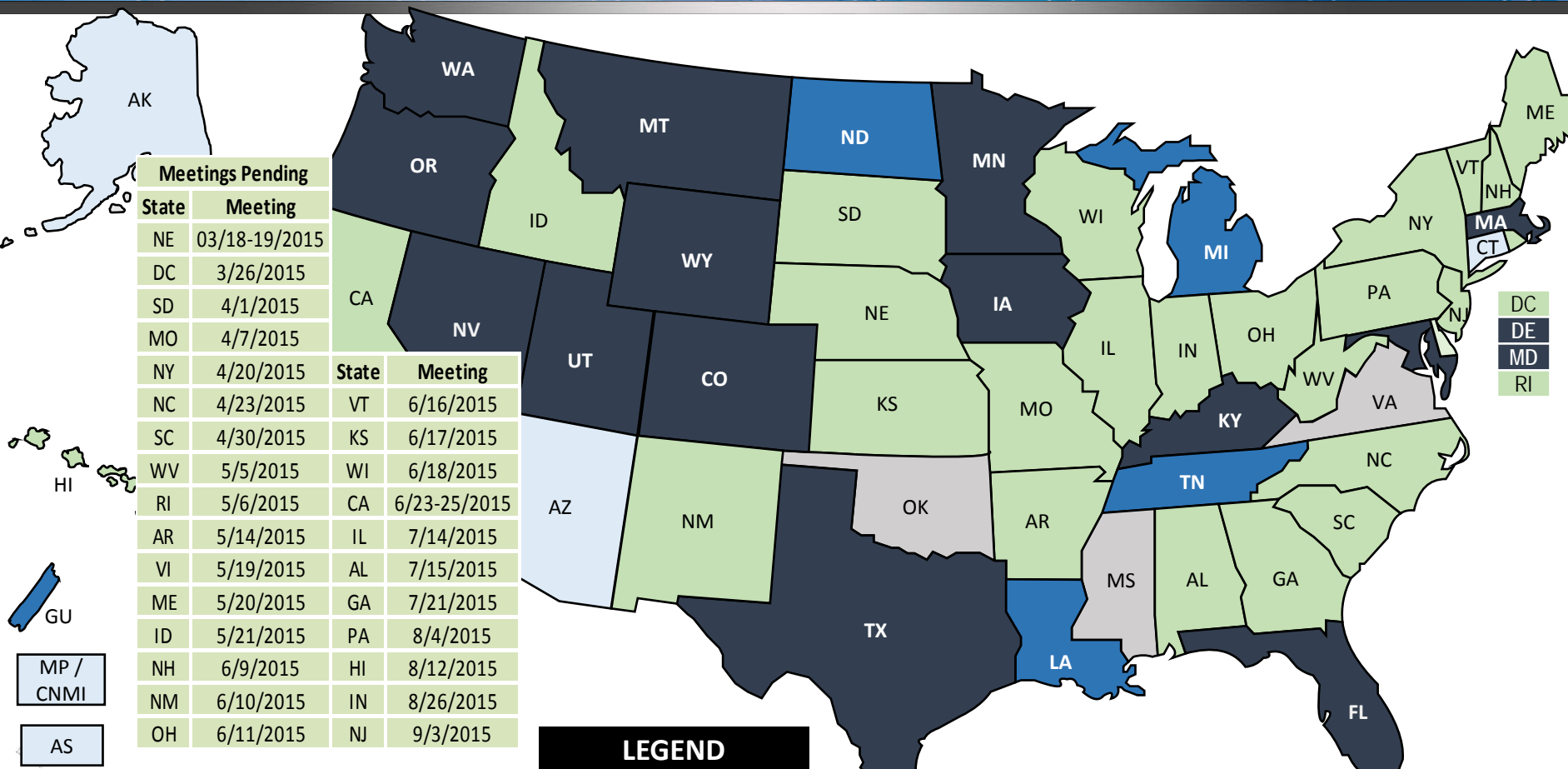
## BAND CLASS (BC) 14

**20MHz** of bandwidth has been dedicated to public safety in the prime upper **700MHz** frequency range.

BC 17		BC 17		BC 13		BC 14	LMR	BC 13	BC 14	LMR
BC 12	BC 29	BC 12	BC 13	BC 14	BC 13	BC 14	BC 13	BC 14	BC 13	BC 14
T-Mobile Verizon US Cellular COSTCO	AT&T	T-Mobile Verizon US Cellular COSTCO	AT&T	Verizon	Verizon	PS Broadband FirstNet	PS Narrowband	Verizon	PS Broadband FirstNet	PS Narrowband
UL	UPLINK	DL	DOWNLINK	DOWNLINK	DOWNLINK	DOWNLINK		UPLINK	UPLINK	
6 MHz	12 MHz	6 MHz	12 MHz	11 MHz		10 MHz	6 MHz	11 MHz	10 MHz	6 MHz
↑ 1 MHz Guard Bands										

# Tracker – State Consultation Activities

## As of 12 March 2015



### Meetings Pending

State	Meeting
NE	03/18-19/2015
DC	3/26/2015
SD	4/1/2015
MO	4/7/2015
NY	4/20/2015
NC	4/23/2015
SC	4/30/2015
WV	5/5/2015
RI	5/6/2015
AR	5/14/2015
VI	5/19/2015
ME	5/20/2015
ID	5/21/2015
NH	6/9/2015
NM	6/10/2015
OH	6/11/2015
VT	6/16/2015
KS	6/17/2015
WI	6/18/2015
CA	6/23-25/2015
IL	7/14/2015
AL	7/15/2015
GA	7/21/2015
PA	8/4/2015
HI	8/12/2015
IN	8/26/2015
NJ	9/3/2015

State	Meeting
VT	6/16/2015
KS	6/17/2015
WI	6/18/2015
CA	6/23-25/2015
IL	7/14/2015
AL	7/15/2015
GA	7/21/2015
PA	8/4/2015
HI	8/12/2015
IN	8/26/2015
NJ	9/3/2015

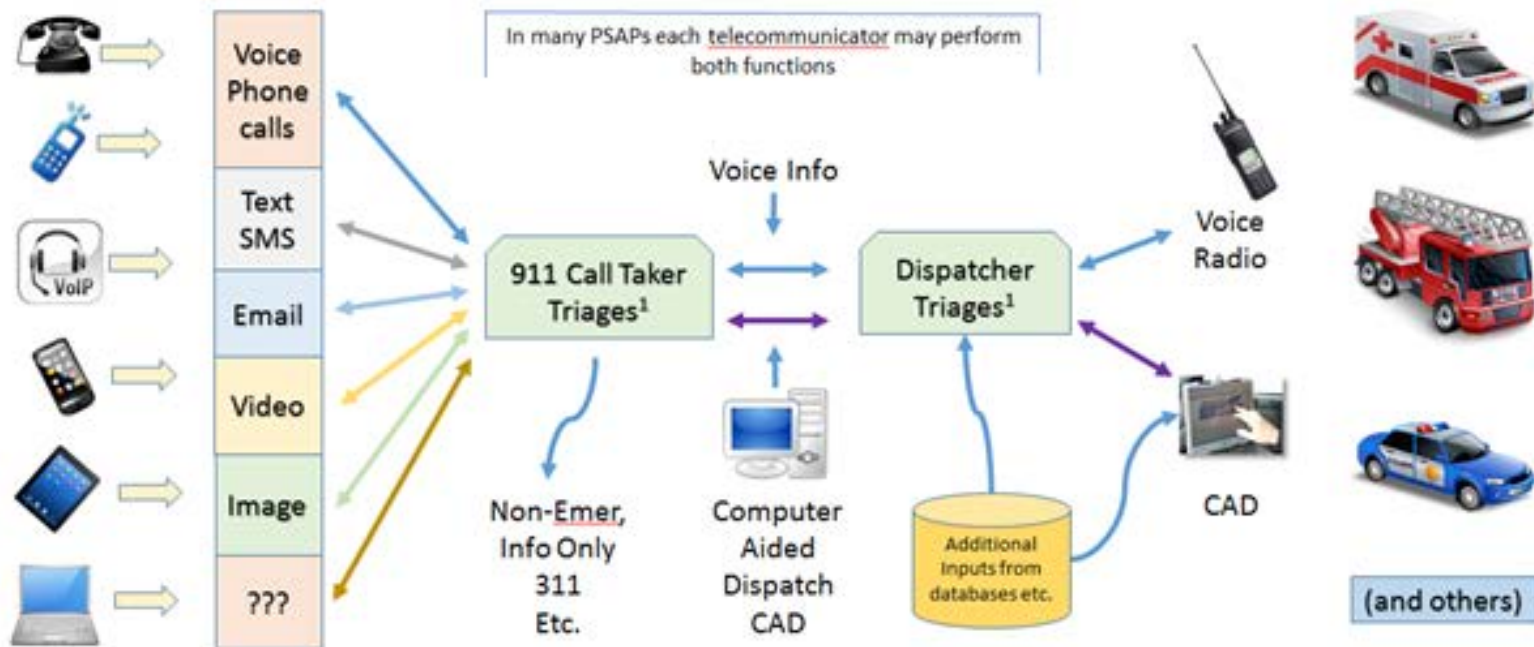
### LEGEND

<b>All</b> Received Initial Consultation Package From FirstNet	<b>48</b> Initial Consultation Checklist Returned To FirstNet	<b>16</b> Initial Consultation Meeting Held
	<b>53</b> Pre-Consultation Conference Call Closed	<b>27</b> Initial Consultation Meeting Scheduled

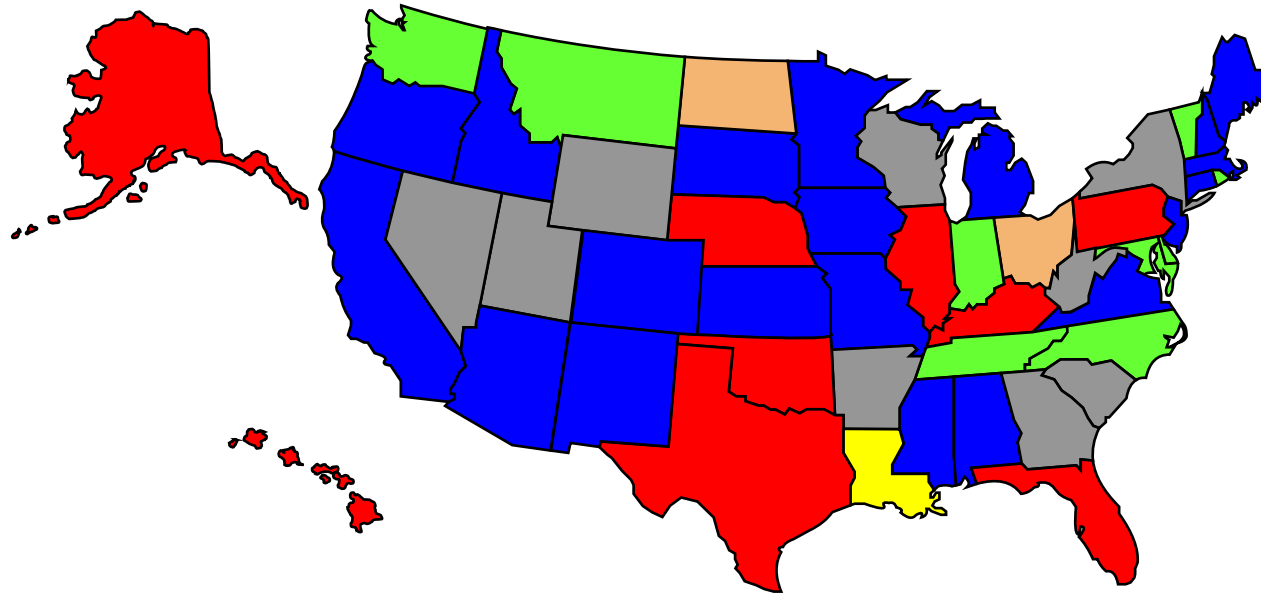
# What is NG9-1-1

NG9-1-1 is a system comprised of Emergency Services IP networks (ESInets), IP-based Software Services and Applications, Databases and Data Management processes that are interconnected to Public Safety Answering Point (PSAP) premise equipment

## NG 911 Processing



# National NG9-1-1 Progress



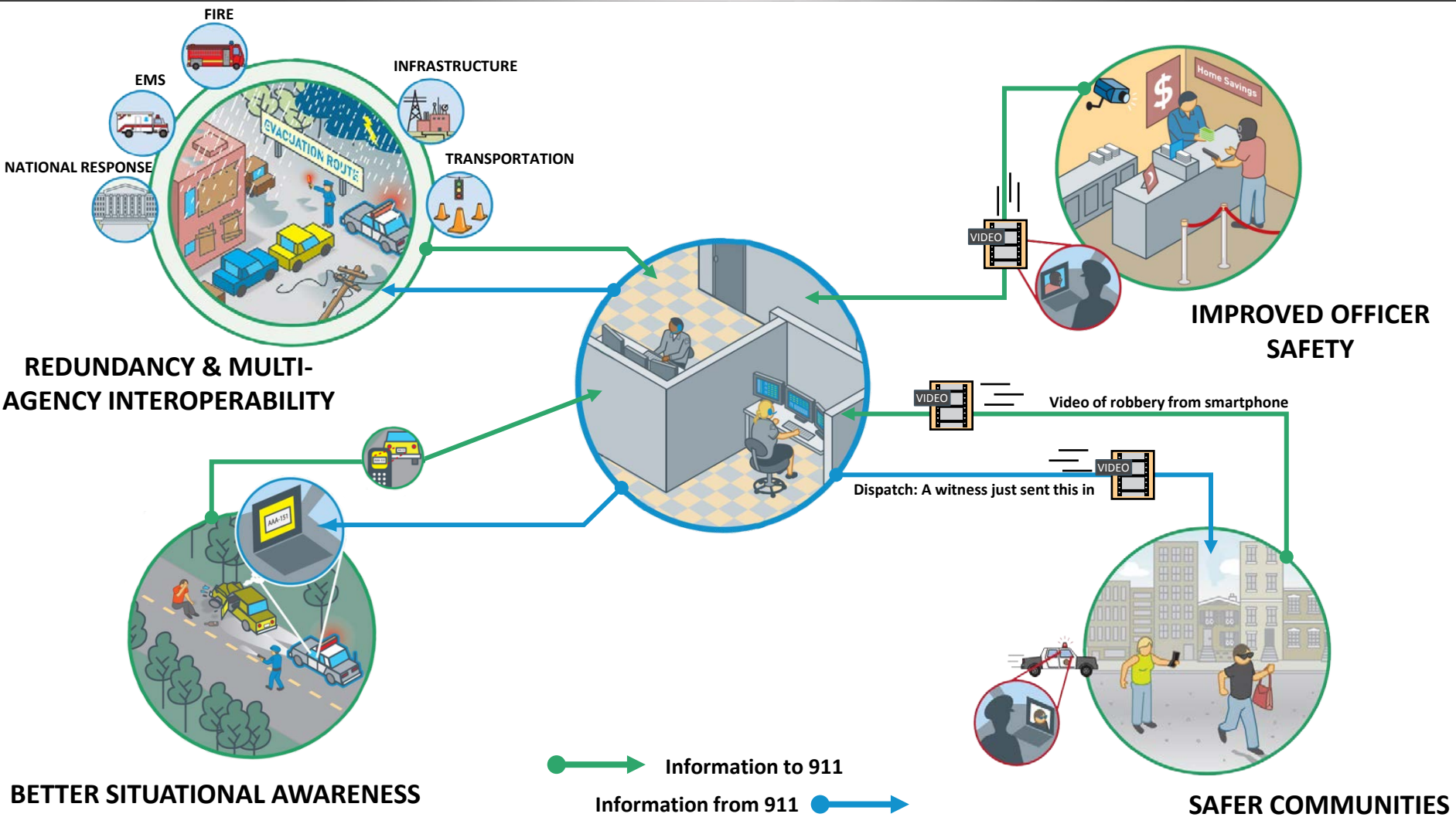
IP Network Available at State Level	Fuschia
IP Network Available at Sub-State Level	Yellow
NG9-1-1 Planning Started	Lt Brown
NG9-1-1 Preparation Activity at State Level	Blue
NG9-1-1 Preparation Activity at Sub-State Level	Red
NG9-1-1 Implementation in Progress at State Level	Green
NG9-1-1 Implementation in Progress at Sub-State Level	Dk Green

# FirstNet Shared Goals with NG9-1-1

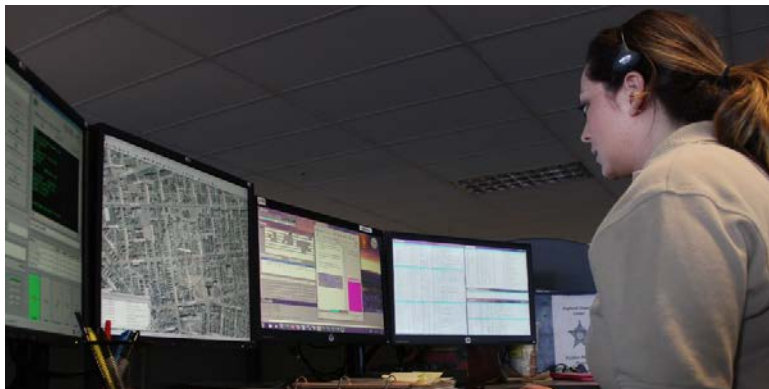
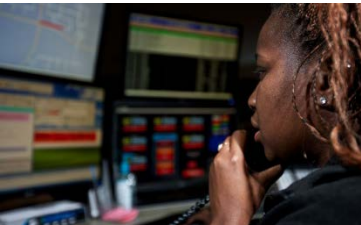


- Technology Modernization: Both represent efforts to update voice centric legacy systems to IP based architecture to allow telecommunicators and first responders to leverage information in multiple media formats
- National Focus: Both aim for broadband connectivity in urban, rural, remote communities
- Improved Emergency Response: Both seek to enhance communications and coordination of responses to requests for public safety assistance
- Planning & Governance: Both require planning and governance to ensure successful deployments

# Scenarios and Goals for the Continuum of Public Safety Response



# Recommendations for Consideration by 9-1-1 Authorities & Telecommunicators





# Public Expectation



# How do FirstNet and NG9-1-1 Impact Staffing Levels, Training?





**FirstNet**<sup>TM</sup>

@FirstNetGov



**Thank You**