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FirstNet Update

The Future of Public Safety Communication



Kevin McGinnis, MPS
FirstNet Board Member

Chief, Community Paramedicine, North East Mobile Health

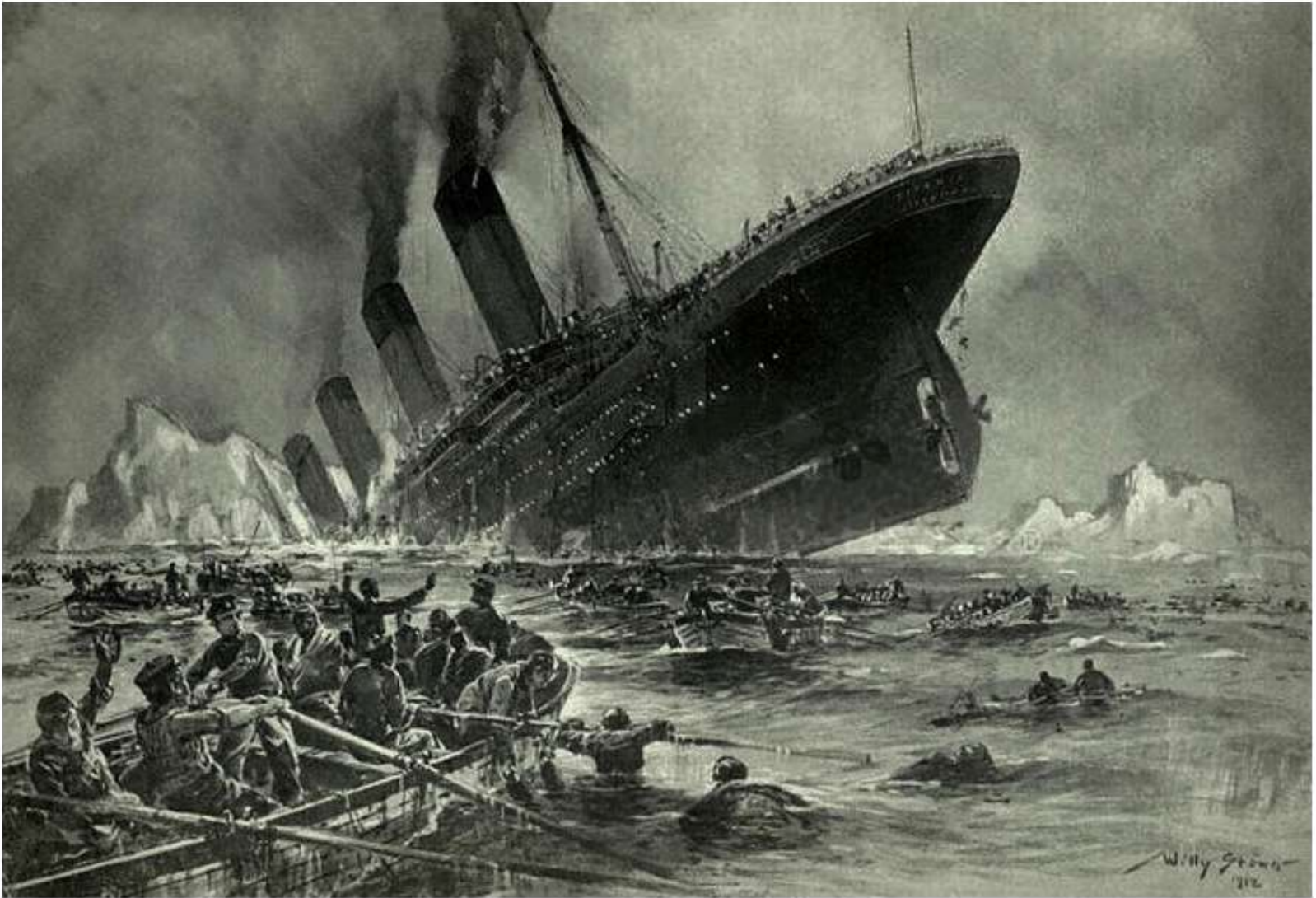
NEW WIRELESS RULES AMERICA'S DEMAND

**Strong Delegation Named to
Urge More Safeguards**

9/11?



Titanic Disaster – “4/12”

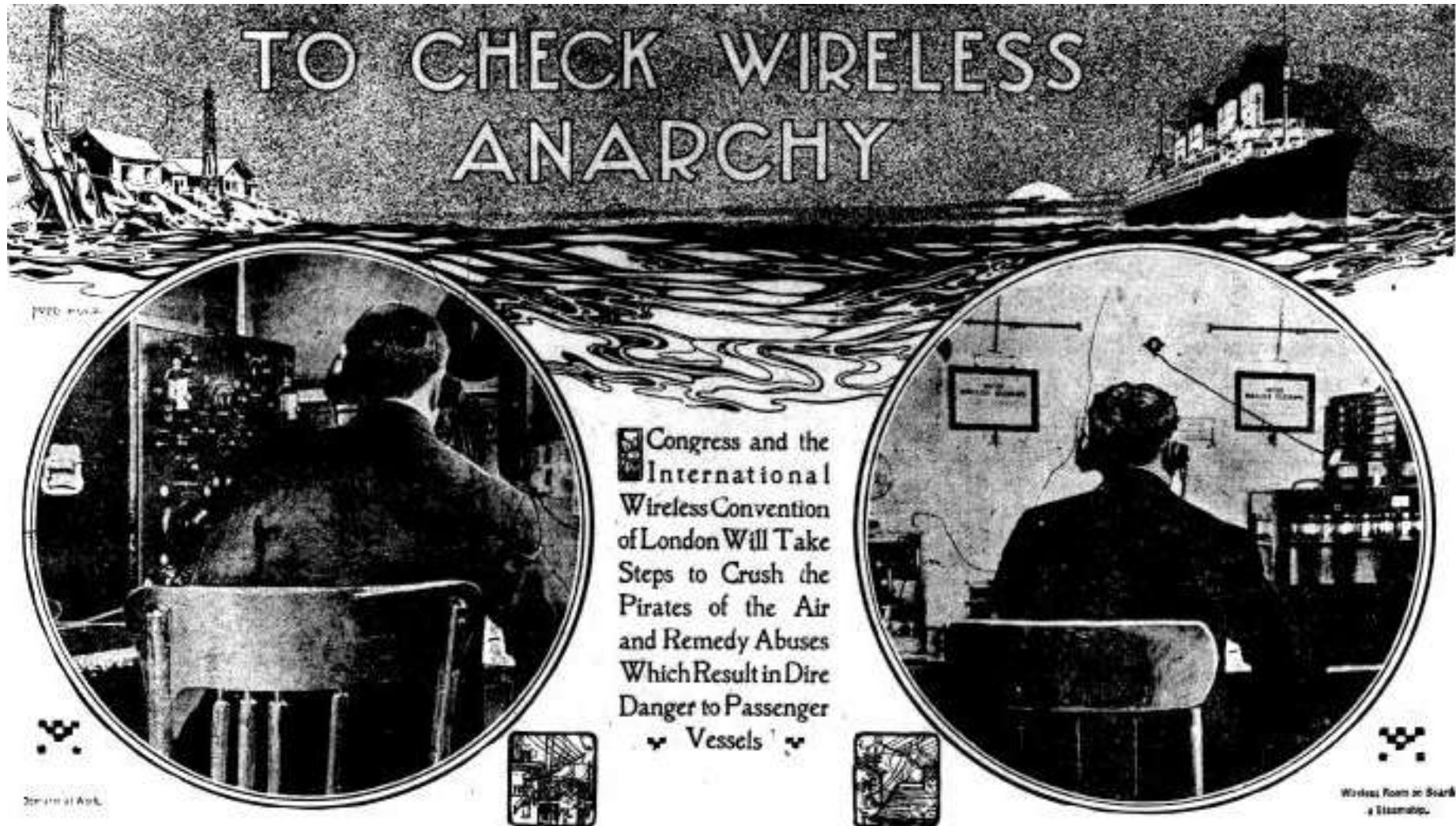


Special to The New York Times.

WASHINGTON, May 1.—The United States delegates to the London wireless conference in June will advance a proposition to lengthen the radio wave in distress communications. This is to be urged as a means of avoiding the confusion that marked the wireless work during the last hours of the Titanic disaster, when 1,600 lives were lost that might have been saved if the wireless communication had been what it should have been.

- Before Disaster:
 - MV Mesaba: “.....saw much heavy pack ice (in your location) and great number of large ice bergs....”
 - RMS Titanic: “.....from passenger K. Blowfeld to Uncle Joseph: ‘buy low and sell high ...Tell Aunty June that her crystal from Paris is safe’ “
 - “Mesaba, keep out, I’m working Cape Race for passenger messages”
- During Disaster:
 - RMS Titanic: Repeated distress signals: “CQD,CQD, SOS, SOS.....”
 - MV Frankfurt: “What is the matter with u?...”
 - RMS Titanic: “You fool, stdbi and keep out!....”

Proprietary Radios Failure to Give Way to Emergency Messages General Interoperability Failure



FirstNet Network Benefits



**Dedicated to
Public Safety**



**Public Safety
Apps /
Services**

**QoS, Priority
& Preemption
(QPP)**



**Situational
Awareness**



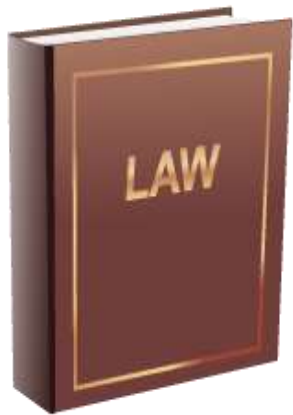
**Local
Control**



**Public Safety
Grade**

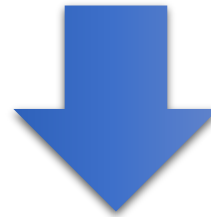
Nationwide Public Safety Broadband Network (NPSBN)





Middle Class Tax Relief and Job Creation Act of 2012

“...open, transparent, and competitive requests for proposals to private sector entities for the purposes of building, operating, and maintaining the network”



Establish public / private partnership to deliver best possible network solution for the public safety community

Internet Explorer browser window showing the FirstNet website.

Address bar: <http://firstnet.gov/>

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FirstNet RFP

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FirstNet Issues RFP for the Nationwide Public Safety Broadband Network

[Click here to download FirstNet RFP](#) | [Click here to access FirstNet Reading Room](#) | [Click here for RFP Webinar](#)

FirstNet RFP Information

[Click here to download the FirstNet RFP](#)

[Click here to access FirstNet Reading Room](#)



What is FirstNet?

FirstNet has been obligated by Congress to take all actions necessary to ensure the building, deployment and operation of the nationwide public safety broadband network. [Learn More](#)

RFP Development

- NPSTC and Other User Requirements/Needs and Road Map
- Consultation with states, public safety, tribes, federal agencies
- Vendor outreach & Industry Days
- Draft RFP Documents
- Public Notices



RFP Statement of Objectives



**Building
Deployment
Operation &
Maintenance
of the
NPSBN**



**Financial
Sustainability**



**First
Responder
User
Adoption**



**Device
Ecosystem**



**Applications
Ecosystem**



**Accelerated
Speed to
Market**



**User Service
Availability**



**Service
Capacity**



**Cyber
Security**



**Priority
Services**



**Integratio
n Of Opt-
out State
RANs**



**Integration of
Existing
Commercial/
Federal/
State/Tribal/Local
Infrastructure To
Support NPSBN
Services**



**Life-cycle
Innovation**



**Program and
Business
Management**



**Customer
Care and
Marketing**



**Facilitation
of FirstNet's
Compliance
With The Act
& Other
Laws**

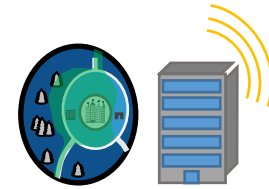
Evaluation Criteria in the RFP



**Business
Management
Factor**



**Coverage & Capacity
Factor**
(Incl. Rural)



**Products &
Architecture
Factor**



Risk



**Value Proposition
Assessment**



**Past Performance
Factor**

Important RFP Dates



- ✓ January 13: RFP Released
- ✓ January 15: RFP Webinar held, 645 recorded attendees
- ✓ February 12: Questions due
- ✓ March 10: Pre-Proposal Conference
 - Source Selection Board Created
 - March 31: Capabilities statements due
 - May 13: Proposals due
 - Fourth quarter CY2016: Anticipated award



RFP Q&A Metrics

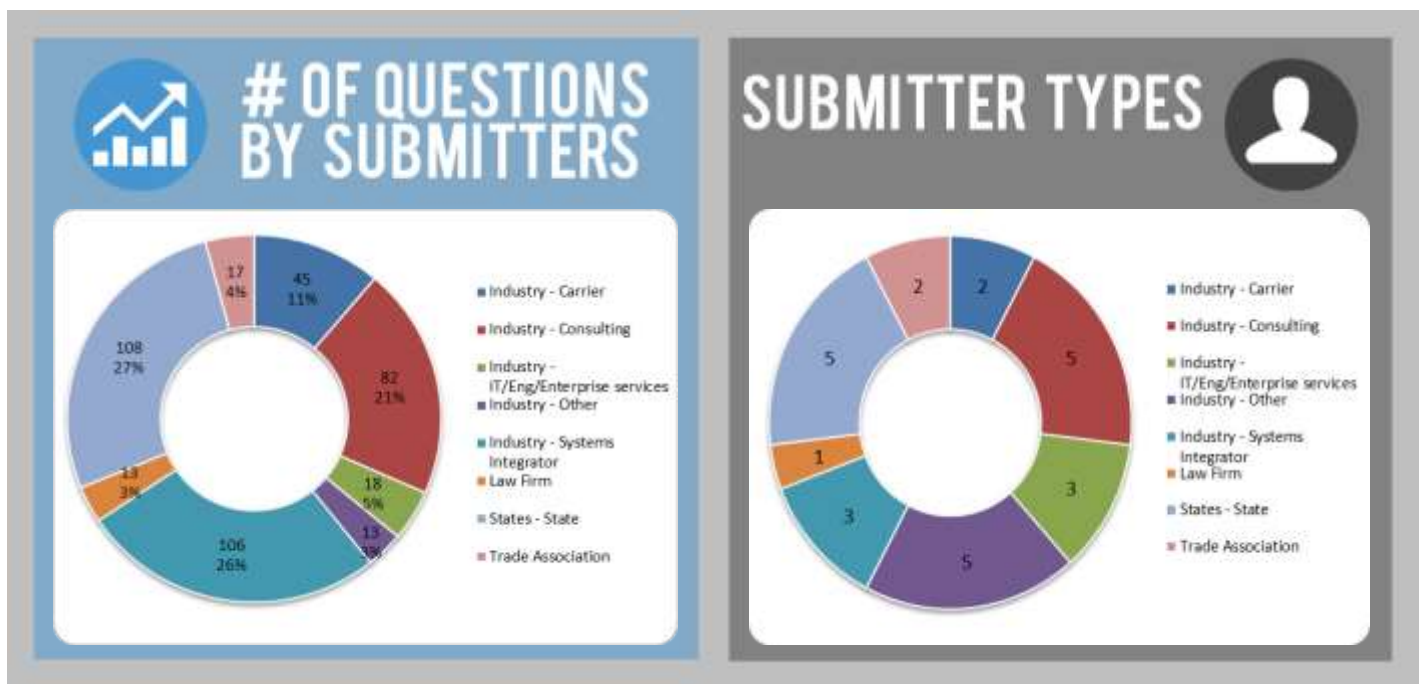


TOTAL # OF
QUESTIONS:

402

TOTAL # OF
SUBMITTERS
:

26



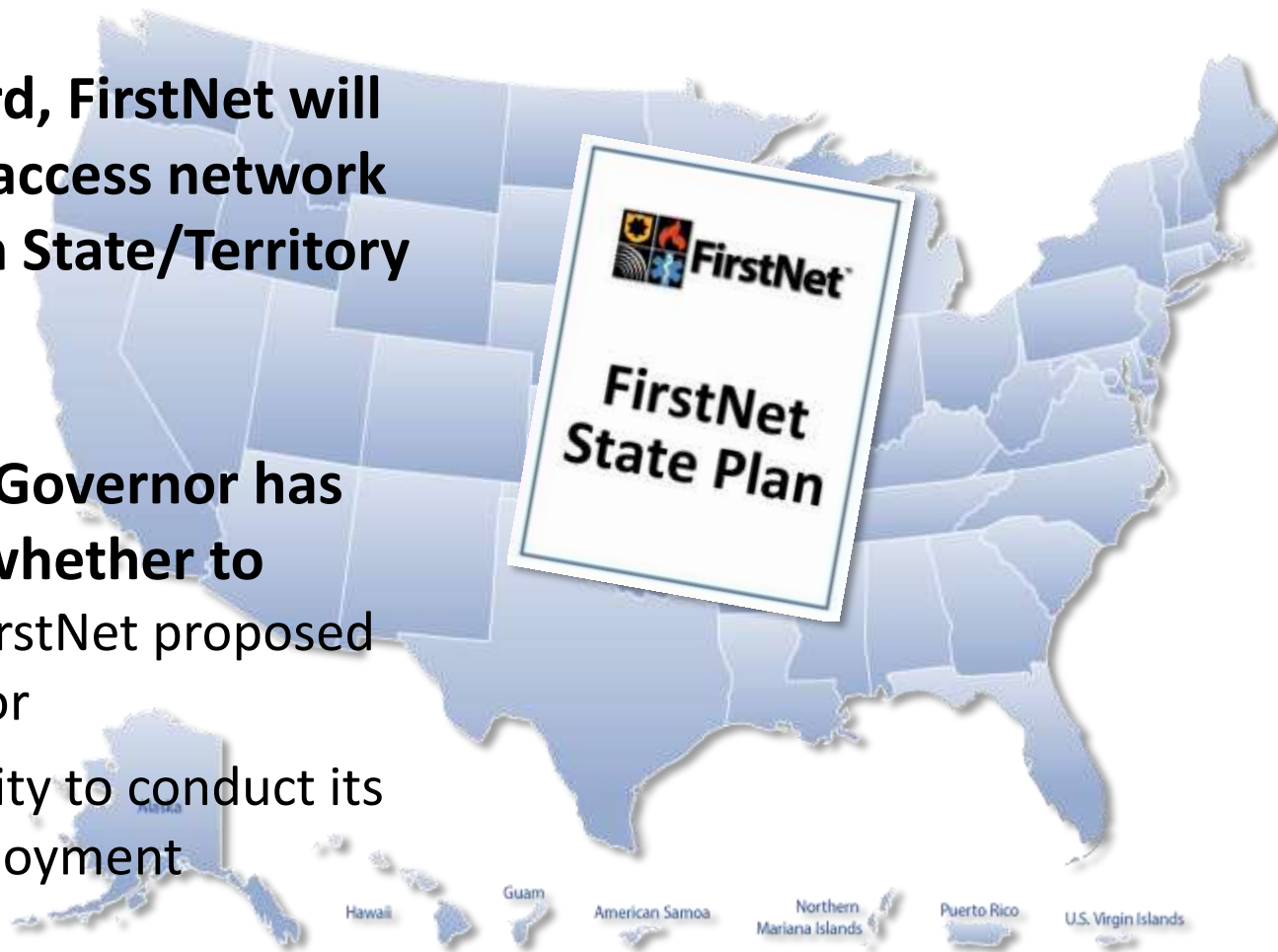
Post RFP Award: State Plan Delivery



Following RFP award, FirstNet will deliver State radio access network (RAN) Plans to each State/Territory

Under the Act, the Governor has 90 days to choose whether to

1. Participate in the FirstNet proposed RAN deployment or
2. Assume responsibility to conduct its own state RAN deployment



2016 Consultation Vision



1

- Expanded outreach and education with state, local, and tribal public safety entities

2

- Obtaining state and territory input to inform state plans and network deployment policies, processes, and procedures

3

- Preparing key decision makers for state plan delivery and network deployment

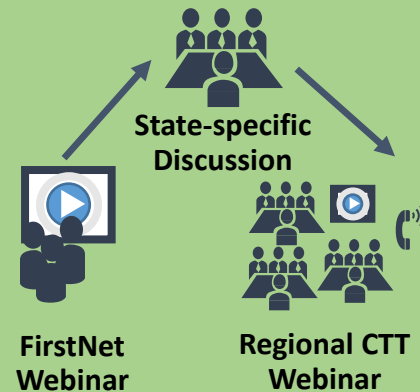
2016 Consultation Elements



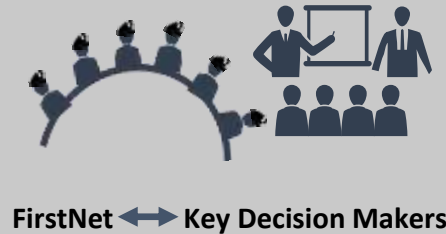
SPOC
Kick-Off
Meeting



Governance
Body
Meeting



Consultation
Task
Teams



Executive
Consultation
Meeting

EXPANDED NATIONAL OUTREACH

EXPANDED FEDERAL CONSULTATION

Public Safety and Those We Serve

Remembering the Roots and
The Purpose of
FirstNet



THE GOLDEN HOUR – Time Dependent Conditions



Trauma, Heart Attack, Stroke.....

Drones



Delayed Discovery vs. AACN



October 16, 2015

EMS Drone for Scene "Preview"





October 16, 2015

When the Stopwatch Stops: Golden Hour?



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October 16, 2015

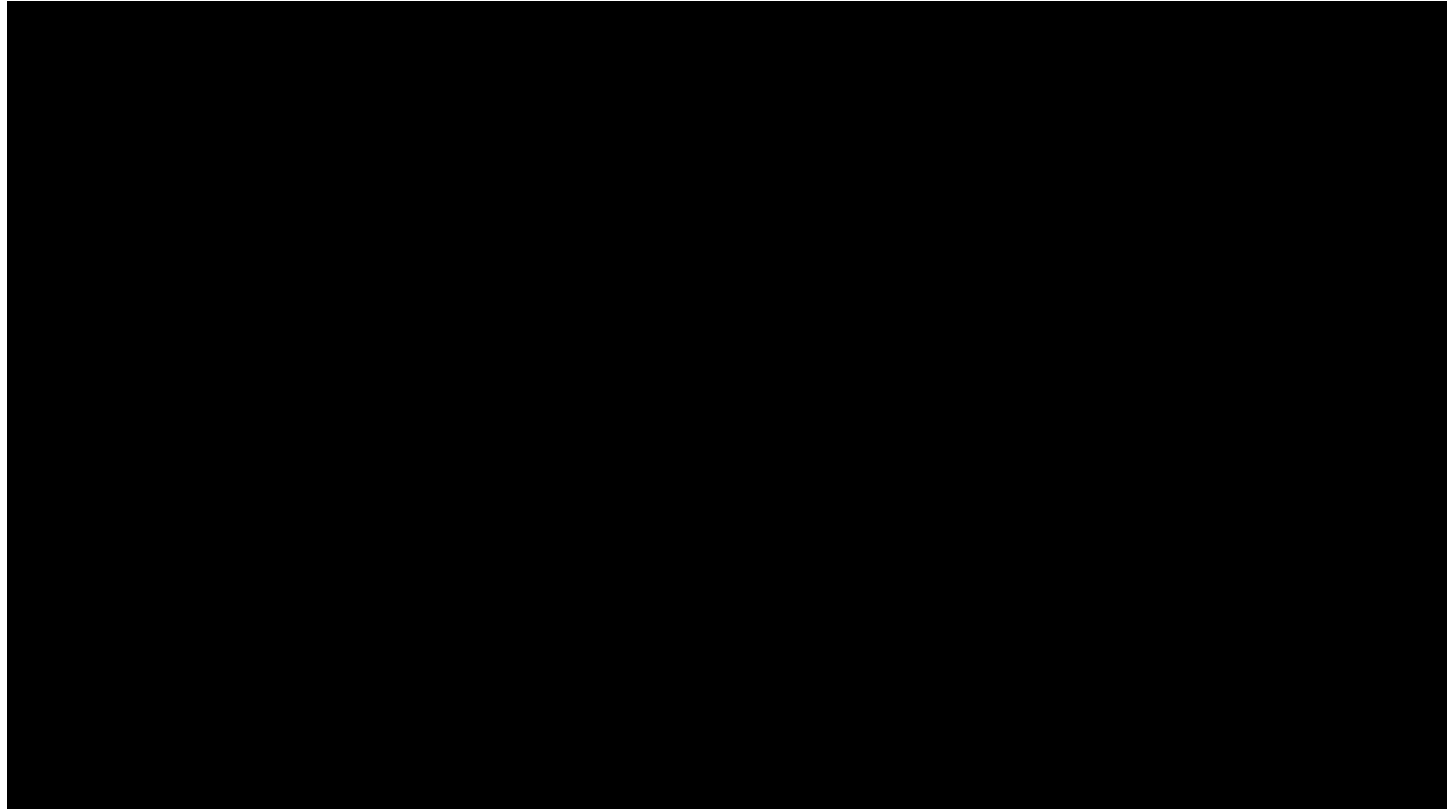
26

THE GOLDEN HOUR

≠ 20+30+50+40 Minutes



October 16, 2015



Fire/Rescue Information Needs



October 16, 2015

Ridgewa

TOYOTA

PRIUS

Gasoline-Electric Hybrid

*Emergency Response Guide
(Revised)*



VERNO

RIDGEWAY FD

RIDGEWAY EMS

UNITED AMB.

MVC

CITY FIRE/RESCUE

FREMS

ACN Alert

MVC

NEW SHARON FD

MVC

2 Patients/45MPH/Front Seats

2004 Toyota Prius Head On/Object






++Doors ++Patients (Driver Priority)

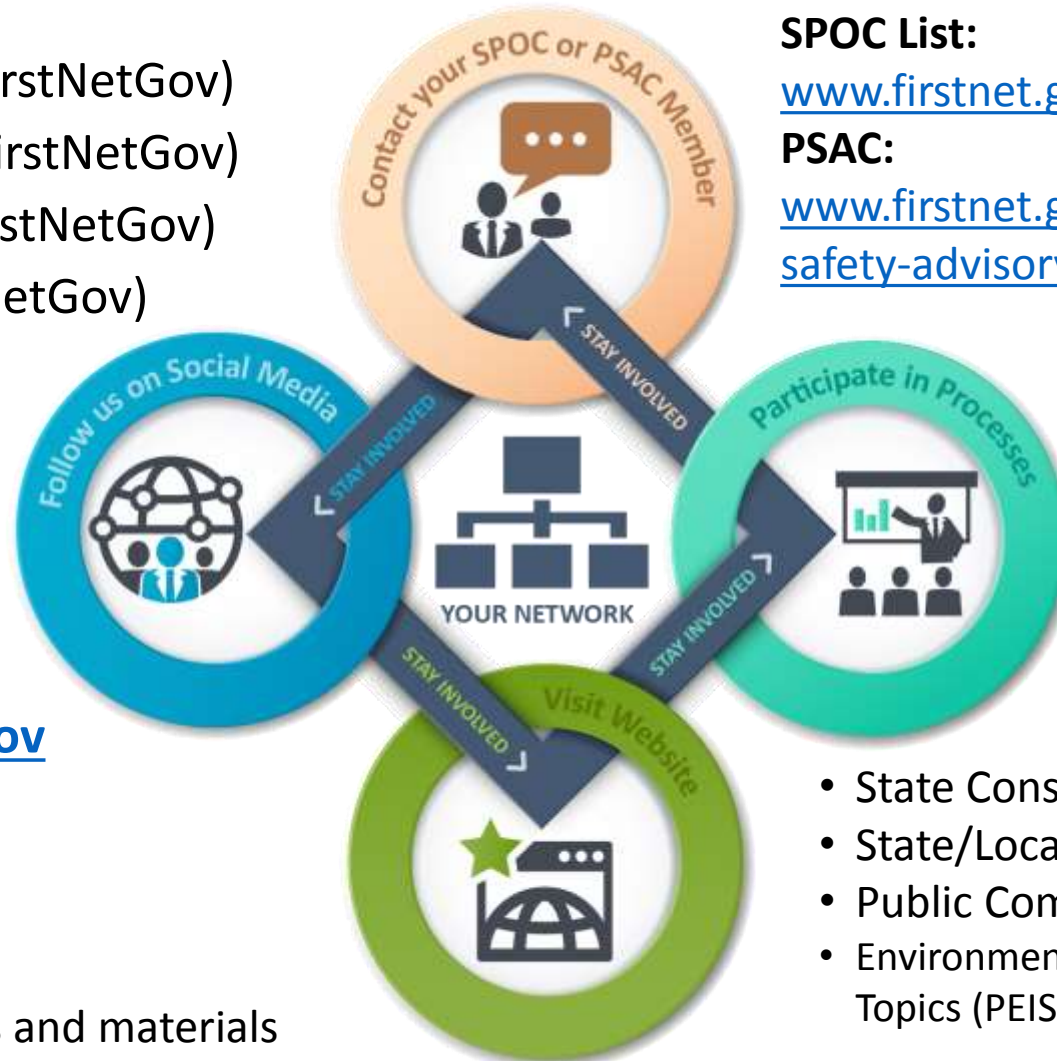
LaW Enforcement Information Needs



Staying in Touch with FirstNet



-  Twitter (@FirstNetGov)
-  Google+ (+FirstNetGov)
-  YouTube (FirstNetGov)
-  Flickr (FirstNetGov)
-  LinkedIn



SPOC List:

www.firstnet.gov/consultation

PSAC:

www.firstnet.gov/about/public-safety-advisory-committee

www.firstnet.gov

- Fact Sheets
- Blogs
- Presentations
- Current Events
- Board meetings and materials

- State Consultation
- State/Local Outreach Activities
- Public Comment
- Environmental & Historic/Cultural Topics (PEIScomments@firstnet.gov)