

NATIONAL 911 PROGRAM September 8, 2020

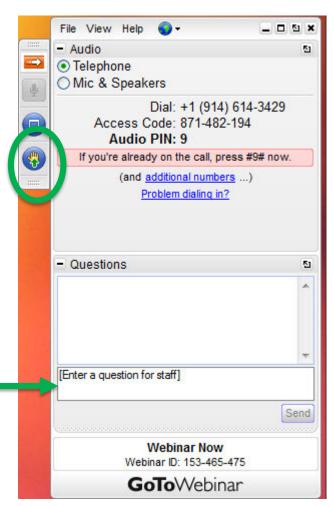
#### State of 911 Webinar Series

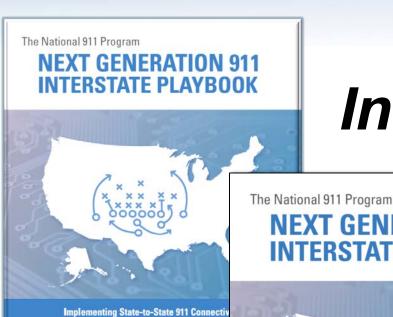
- Designed to provide useful information about Federal and State participation in the planning, design, and implementation of Next Generation 911 (NG911) coupled with real experiences from leaders overseeing these transitions throughout the country
- Webinars are typically held every other month and include presentations from a Federal-level 911 stakeholder and State-level 911 stakeholder, each followed by a 10-minute Q&A period
- For closed captioning, please copy and paste the URL link in the chat window to an additional web browser
- For more information on future webinars, to access archived recordings and to learn more about the National 911 Program, please visit <u>911.gov</u>
- Feedback or questions can be sent to: <u>National911Team@mcp911.com</u>

# Questions

Click on "Raise Hand" and your phone line will be unmuted.

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# Interstate Playbook

Chapter 4

**NEXT GENERATION 911** 

INTERSTATE PLAYBOOK

Lessons Learned, Challenges, and Opportun

N9911 Technology Maturation, What N6911 Is and Is No rata-to-State Interconnection Considerations, GIS Policy and St Interim SMS Text to 911 Implementation Considerations

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Implementing State-to-State 911 Connectivity: Lessons Learned, Challenges, and Opportunities

ESInet Testing Guide, State Cost Challenges, Forest Guide 101, Integrating Military Installations into State and Local Solutions, Statute Review for NG911 Readiness

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### NG911 Interstate Playbook - Purpose & Scope

# Playbook Chapters 3 & 4 <u>ARE</u> intended to:



Inform



Motivate



Provide guidance



Encourage collaboration

Playbook Chapters 3 & 4 are <u>NOT</u> intended to:



Be a formula approach



Recreate the wheel



Be required or mandatory



#### **SPEAKERS**

#### Steve McMurrer

911 System Administrator, Fairfax County, Virginia

#### Karima Holmes

Director, Office of Unified Communications, Washington, D. C.

#### David Mulholland

Administrator, Arlington County Emergency Communications Center, Arlington, Virginia

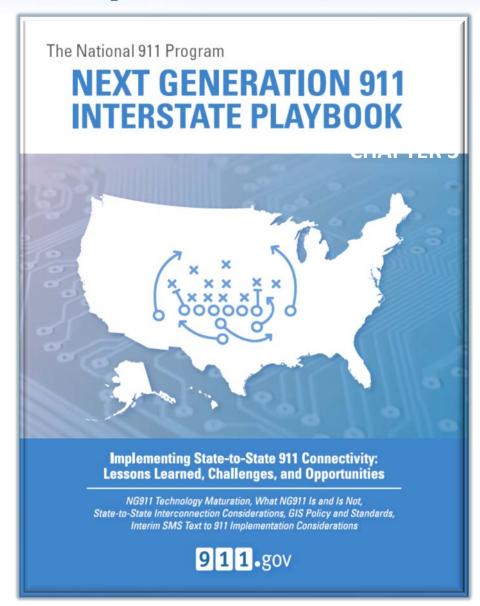
#### Tony Rose

Deputy Director, Charles County, Dept. of Emergency Services, Charles County, Maryland; Chair, MWCOG 911 Director's Committee



## What's included in Chapter 3....

- Starting with "WHY"
- Challenges of collaborative approaches
- Coordinated statewide purchasing with local requirements
- Benefits of coordinated and integrated systems
- How to get your state or region involved
- How the Interstate Playbook can guide

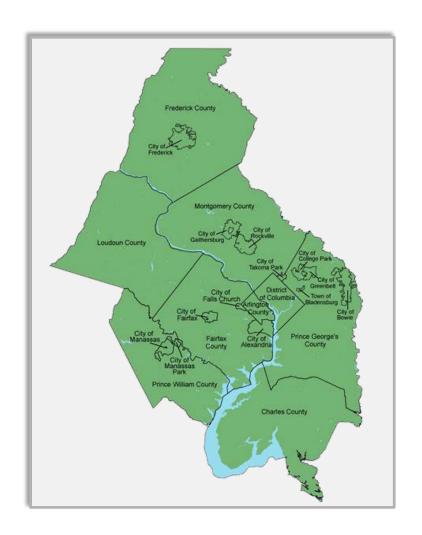




## **Multi-jurisdictional Collaboration**

#### **Starting with WHY**

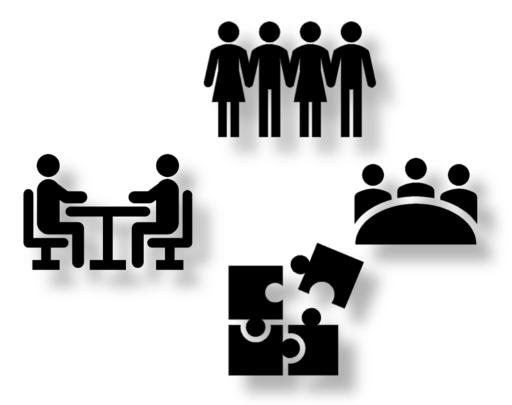
- Mutual need/shared vision
- Independent but rely on each other
- It's our response DNA
- It's our history





## **Collaboration Creates Energy**

- Collective wisdom
- Group voice
- Funding and grants use
- Synergy





# **Informed Decision-Making**

#### Communicate

Coordinate

Collaborate

- Inclusion of all stakeholders
- Communication
- Timely and regular updates on project status
- Manage expectations
- Interagency Cooperative Agreements

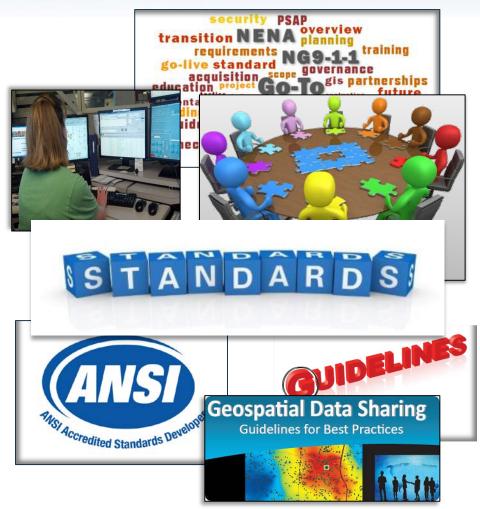
MWCOG Member Jurisdiction	NCR	PSAP & 911 Directors Committee Member
District of Columbia	Х	X
Town of Bladensburg	Х	
City of Bowie	Х	
City of College Park	Х	
Charles County		X
City of Frederick		
Frederick County		X
City of Gaithersburg	Х	
City of Greenbelt	Х	
City of Hyattsville	Х	
City of Laurel	Х	
Montgomery County	Х	X
Prince George's County	Х	Х
City of Rockville	Х	
City of Takoma Park	Х	
City of Alexandria	Х	X
Arlington County	Х	X
City of Fairfax	Х	
Fairfax County	Х	Х
City of Falls Church	Х	
Loudoun County	Х	Х
City of Manassas	Х	X
City of Manassas Park	Х	Х
Prince William County	Х	Х
Metropolitan Washington Airport Authority (MWAA)		x



# **Shared Purpose/Shared Vision**

#### **Commit to Standards**

- Network and system security
- Network management and integrity of service
- Technical and operational standards for interoperability and mutual aid
- GIS and data sharing





#### **Effective Procurement Practices**

#### **Procurement Lead**

- Lead agency
- All entities collaborate on general text
- Individual requirements



#### DEPARTMENT OF PROCUREMENT & MATERIAL MANAGEMENT

12000 GOVERNMENT CENTER PARKWAY, SUITE 427 FAIRFAX, VIRGINIA 22035-0013

www.fairfaxcounty.gov/dpmm

#### VIRGINIA

TELEPHONE: (703) 324-3201 FAX: (703) 324-3228 TTY: 1-800-828-1140

ISSUE DATE: August 26, 2016	REQUEST FOR PROPOSAL NUMBER: RFP2000002010	TITLE: Next Generation Core Sevices Solution (NGCS)
DEPARTMENT: Public Safety Communications (DPSC)	DUE DATE/TIME: November 4, 2016 at 2:00 P.M. EST	CONTRACT SPECIALIST: Jamie Pun; ji.pun@fairfaxcounty.gov or 703-324-3653

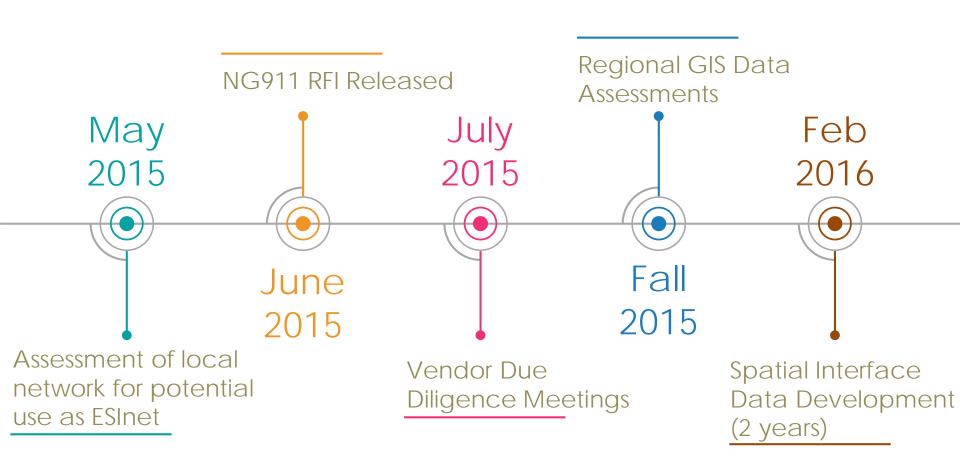
Proposals - In accordance with the following and in compliance with all terms and conditions, unless otherwise noted, the undersigned offers and agrees, if the proposal is accepted, to furnish items or services for which prices are quoted, delivered or furnished to designated points within the time specified. It is understood and agreed that with respect to all terms and conditions accepted by Fairfax County the items or services offered and accompanying attachments shall constitute a contract.

Note: Fairfax County does not discriminate against faith-based organizations in accordance with the Code of Virginia, § 2.2-4343.1 or against a bidder or offeror because of race, religion, color, sex, national origin, age, disability, or any other basis prohibited by state law relating to discrimination in employment in the performance of its procurement activity.

NAME AND ADDRESS OF FIRM:	Telephon	ne/Fax No.:	
	E-Ma	ail Address:	
	Federal Employer Identifica	ation No or	
	Federal Social Securit	ty No.(Sole Proprietor)	
	Prompt Payment		for payment withindays/net lays
S	State Corporation Commiss Identif	sion (SCC) fication No.	
By signing this proposal, Offeror of conditions set forth in the General C Certification Regarding Ethics in P certifications set forth in Appendix E	Conditions and Instructions ublic Contracting set forth	to Bidders as de	scribed in Appendix A, the
BUSINESS CLASSIFICATION - Describe	ed in Appendix B - CHECK ONE	E: LARGE (Y)	SMALL (B)
☐ MINORITY-OWNED SMALL (X) ☐ MI	NORITY OWNED LARGE (V)	□ WOMEN-OWNE	D SMALL (C)
□ WOMEN OWNED LARGE (A) □ NO	ON PROFIT (9)		
CHECK ONE:   INDIVIDUAL		ORPORATION which Incorporated:	
Vendor Legally Authorized Signature	, ,	Date	OF F
Print Name and Title	-		TAN A
Sealed proposals subject to terms and con- Agent at 12000 Government Center Parkwa	ditions of this Request for Propos	sal will be 2035-001	
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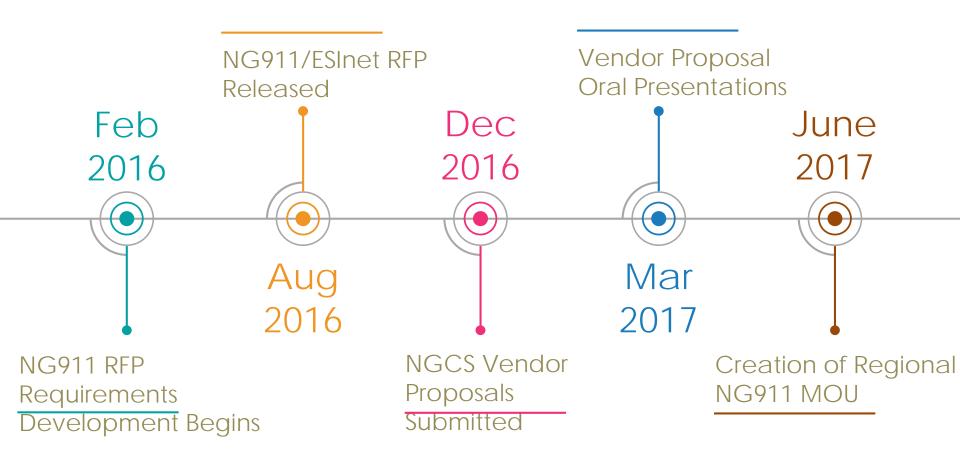


#### National Capital Region NG911 Timeline



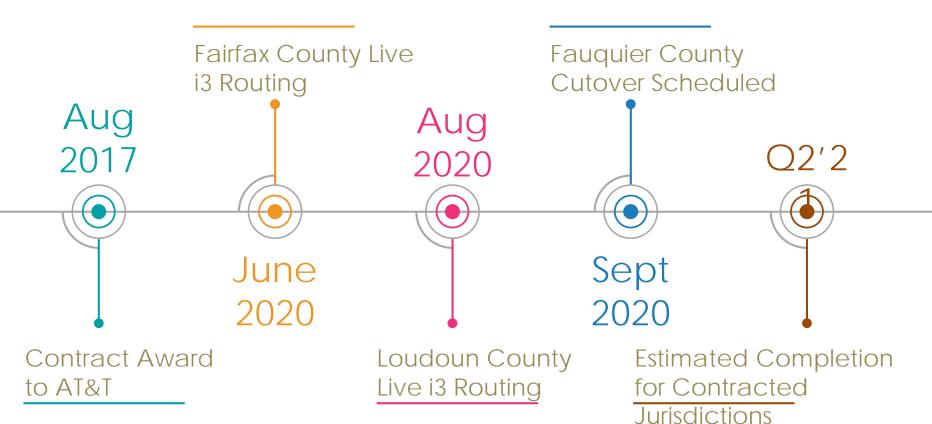


#### National Capital Region NG911 Timeline





#### National Capital Region NG911 Timeline





#### **Lessons Learned**

Lessons help us improve our ability to achieve successful migration to NG911!

When the 911 community learns from the experiences of others, it can tell a stronger story when justifying funding and planning needs and identifying technical 911 system requirements





# The Metropolitan Washington Council Of Governments Experience



### **Questions** ??

"We have to do this . . . defeat is not an option."

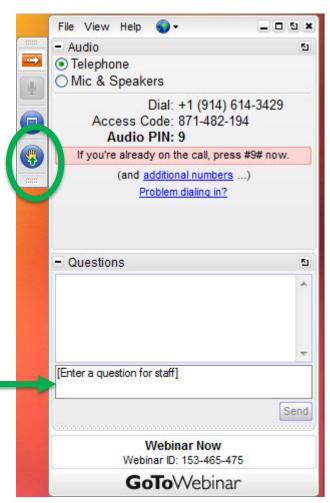
-Tony Rose, Deputy Director, Charles County Department of Emergency Services, 911, and Chair MWCOG 911 Directors Committee



# Q & A Period

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# Interstate Playbook

**NEXT GENERATION 911 INTERSTATE PLAYBOOK** 

NG911 Technology Maturation, What NG911 Is and Is No State-to-State Interconnection Considerations, GIS Policy and S

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#### **SPEAKERS**

#### Blake DeRouchey

NG911 Program Manager State of Iowa

#### Jason Horning

NG911 Program Manager North Dakota Association of Counties

#### Dana Wahlberg

Director, Emergency Communications Networks, Division of Public Safety State of Minnesota

#### Maria King

911 Coordinator State of South Dakota



#### CHAPTER 4

#### What you will learn:



NG911 migration - what to expect



Interstate Cooperative Agreements



Unregulated costs issues



Selective router migration process and timeline



Cross jurisdictional GIS Coordination



Legislative readiness



State to State call transfers

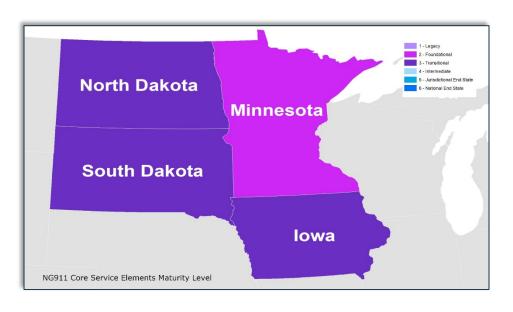


What a Forest Guide means to NG911 implementation



# NG911 Maturity Level Status and Progression

- Tracking Migration Progress
  - Governance
  - NG911 Core Services Maturity
  - Network Migration
  - Security
  - GIS
  - Routing / Location
  - Operational
  - Call Handling



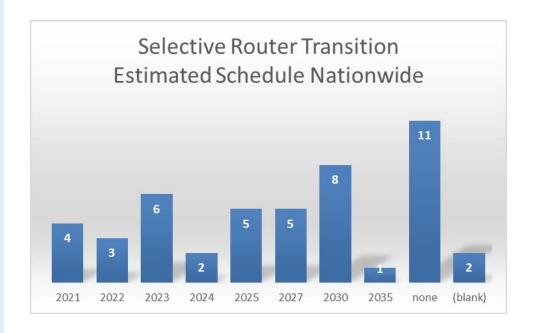


# **Legacy Network Migration**

# Transitioning from Legacy Selective Router

#### Playbook states

- lowa
- Minnesota
- North Dakota
- South Dakota
- All states



# The Iowa Migration Experience

Challenge #1: Transition
Costs

- Ability to substantiate, validate and determine reasonableness of costs.
- •Deregulated wireline service makes it difficult, if not impossible, to validate against reasonable parameters.
- •Sometimes limited support from PUCs

Challenge #2: Authority to establish most desirable design

•The state's right to design the most appropriate network for their needs is compromised, adding unnecessary cost and implementation delays. (POI, how to handle ALI, etc)

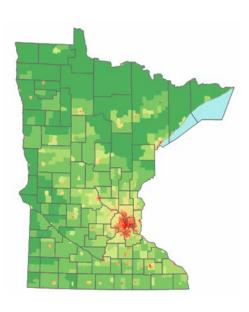
Challenge #3: Unanticipated changes impact resources and timelines

- •Withdrawal of service offering meant additional costs, challenged resources, and increased transition timeframes.
- Additional data validation work might not be mandatory but necessary.
- •Resource challenges at all levels impact timelines.

Challenge #4: Other challenges

- •Pandemic challenges interfered with progress of the transition as resources were diverted to address issues of COVID-19 response at the state, national, and provider level.
- ·Weather related events
- Ability of providers to respond to changing requirements

# The Minnesota Migration Experience



Challenge #1:
Procurement process vs.
911 requirements

- Understand network requirements.
- Technical expertise is needed.
- Highly complex and tailored services, not off the shelf.

Challenge #2: Legislative Readiness

- Assessment of current statutes.
- Consult guidelines and best practices.

Challenge #3: Aggregation and coordination management

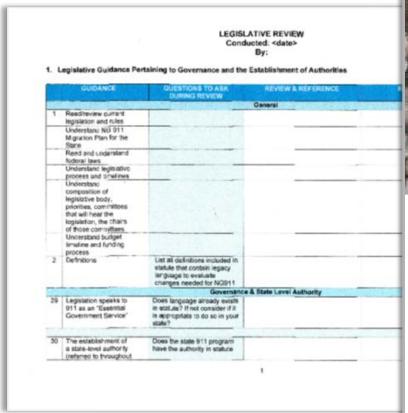
- Aggregation services add a level of complexity to the management of the service.
- Multiple legacy networks.
- Multiple LATA connections.

Challenge #4: Other Factors

- Diversion of resources.
- Staff turnover.



# **Legislative Readiness**





#### **GUIDELINES FOR STATE NG911**

#### **Legislative Language**

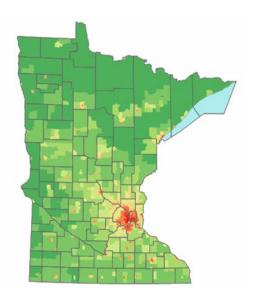
Examples and options for legislative language that facilitates the deployment of NG911

VERSION 2.0 | 2018





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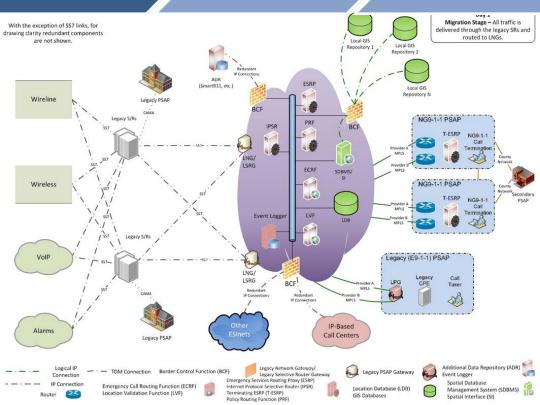


#### Establish a Non-Disclosure Agreement

#### Exchange Interface Specifications

#### **Develop Test Cases**

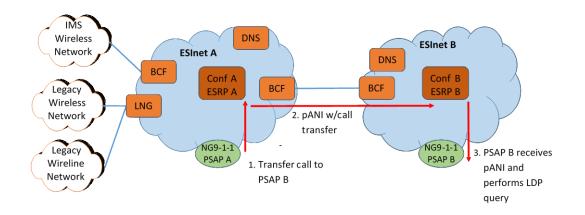
Lab to Lab Testing of Disparate Services





Lab Establish Connectivity Finalize Testing Details Test Analysis

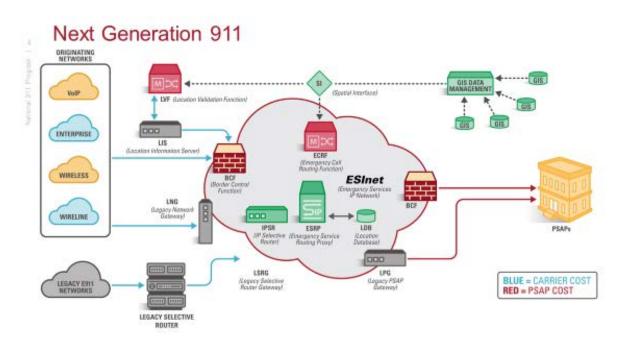
# Lab to Lab Testing of Disparate Services





# **Controlling Migration Costs**

- Limited ability to validate costs
- Deregulation
- Tariffs non-existent
- Determining POI





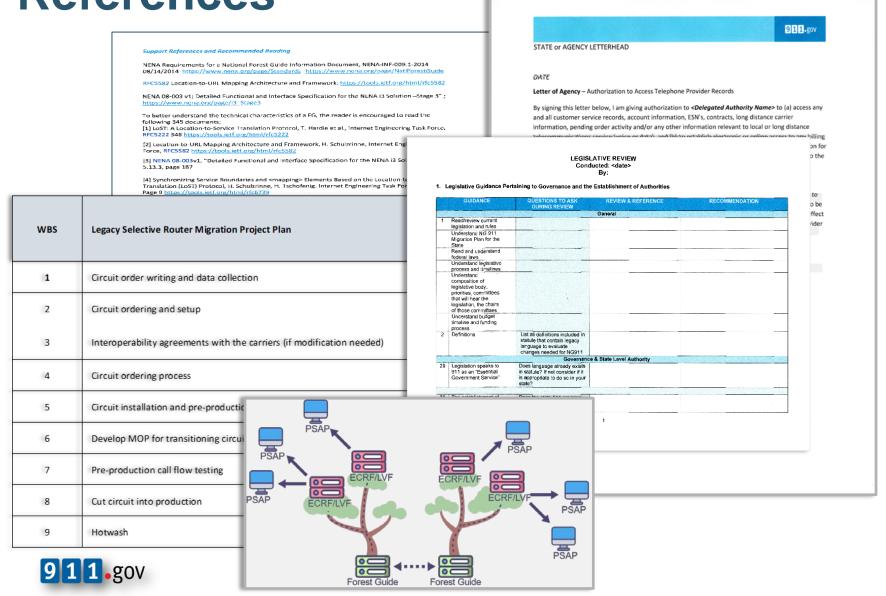
**Lessons Learned** 

Lessons help us improve our ability to achieve successful migration to NG911!





# **Guides, Samples, Templates and References**



# For additional information and resources please visit:

<u>www.911.gov</u>





## **Future Webinars**

- Tuesday, November 10, 2020
- To register, visit: <a href="https://attendee.gotowebinar.com/register/8495593598854798605">https://attendee.gotowebinar.com/register/8495593598854798605</a>
- Previous State of 911 webinars are available at: <u>www.911.gov/webinars.html</u>

# **National 911 Program**

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