

# *National 911 Program*

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# *Agenda*

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## **Updates on:**

- NG911 Grant Program
- National 911 Profile Database
- Role of GIS in state/local 911 assessments
- Nationally Uniform 911 Data System
- National Address Database

# *National 911 Program: Objectives*

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- Serve as convener/coordinator among public and private stakeholders at local, state and Federal/national levels
- Collect/create resources for local/state 911 Authorities
- Administer a grant program for the benefit of PSAPs
  
- Provide a Federal focus for 911
- Promote and support 911 services

# *911 Grant Program & Implementation Coordination Office (ICO)*

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- In 2004, Congress created the 911 Implementation and Coordination Office (ICO), a joint program between NHTSA and the National Telecommunications and Information Administration (NTIA) at the Department of Commerce.
- In 2012, Congress re-authorized the ICO to:
  - Facilitate coordination and communication among public and private stakeholders at local, state, tribal, federal, and national levels;
  - Administer grant program for the benefit of 911 call centers across the country; and
  - Author or consult on a number of reports to Congress
- Statute also designated \$115 million to be made available for grants
  - Grant funding subject to receipt of FCC auction proceeds

## *911 Grant Program: Eligible Use of Funds*

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- Implementation and operation of 911 services, E911 services, migration to an IP-enabled emergency network, and adoption and operation of NG911 services and applications;
- Implementation of IP-enabled emergency services and applications enabled by NG911 services, including the establishment of IP backbone network and the application layer software infrastructure needed to interconnect the multitude of emergency response organizations; and
- Training public safety personnel, including call-takers, first responders, and other individuals and organizations who are part of the emergency response chain in 911 services

## *911 Grant Program: Other Statutory Requirements*

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- 60% federal funds and 40% non-federal matching funds
- Certification that 911 funds have not been diverted for a period beginning 180 days prior to the date of application and continuing through the period of time that funds from grant are available to the applicant
- Coordination requirements:
  - Designate a single officer/governmental body;
  - Coordinate application with public safety answering points;
  - Establish a plan for coordination and implementation of 911, E911, and NG911 services; and
  - Integrate services involved in the implementation and delivery of 911 services.

# 911 Grant Program: DRAFT **Notional** Timeline

Timeline	Actions	Status
2014/2015	FCC holds auction	Done
April 2015	FCC transfers spectrum auction proceeds to NTIA	Done
Summer 2016	NTIA and NHTSA seek apportionments from OMB	In Progress
Oct-Dec 2016	NTIA and NHTSA sign MOU; NTIA transfer funds; program develops infrastructure for grantee reporting and program oversight	Drafted; awaiting apportionment
Jan-Mar 2017	Draft federal regulations; draft Paperwork Reduction Act (PRA) documents; and establish application review process	Not Started
April-June 2017	OMB reviews regulations; NHTSA publishes Notice of Proposed Rulemaking (NPRM); seek public comment	Not Started
July-Sept 2017	Public comment period closes; draft final rules	Not Started
Oct-Dec 2017	OMB reviews and clears final rules	Not Started
Jan-Mar 2018	Publish final rules and open grant application period	Not Started

*Note: This is only a notional schedule. The legislation requires a formal rulemaking process for the NG911 grant program. The draft NPRM and final NPRM will require reviews by both Agencies and OMB. The time needed for those reviews is undetermined and might extend this schedule further out into 2018.*

# 911 Grant Program

911.gov

About the Program 911 Issues Program Initiatives National 911 Coordination

## 911 Grant Programs

[Home](#) / [National 911 Program Initiatives](#) / 911 Grant Program

Across the nation, 911 leaders continue to plan technology and operational upgrades for local, regional and state 911 systems. The 911 Grant Program provides grant funding to help 911 Public Safety Answering Points (PSAPs) support efforts to provide citizens with optimal 911 services.

In 2009, the National Telecommunications and Information Administration (NTIA) and the National Highway Traffic Safety Administration (NHTSA), acting through the Implementation Coordination Office (ICO), which is staffed by the NTIA and the National 911 Program, awarded more than \$40 million in grants. The Next Generation 9-1-1 Advancement Act of 2012 reauthorized the 911 grant program with more than \$100 million in 911 grant funds.

See below for a brief overview of the grant process stages:

✓	Stage 1:	FCC conducts AWS-3 spectrum auction (Nov 2014 – Feb 2015)
✓	Stage 2:	Auction proceeds transferred to Public Safety Trust Fund (May 2016)
✓	Stage 3:	Public Safety Trust Fund transfers funds to 911 Grant Program (Sept 2016)
	Stage 4:	NHTSA & NTIA draft joint grant regulations (In Progress)
	Stage 5:	Public provides comments on draft regulations (Spring 2017)
	Stage 6:	Final regulations are published and grant applications accepted (Fall 2017)
	Stage 7:	Grants are awarded (early 2018)

Sign up [here](#) to receive email updates as new information is available.

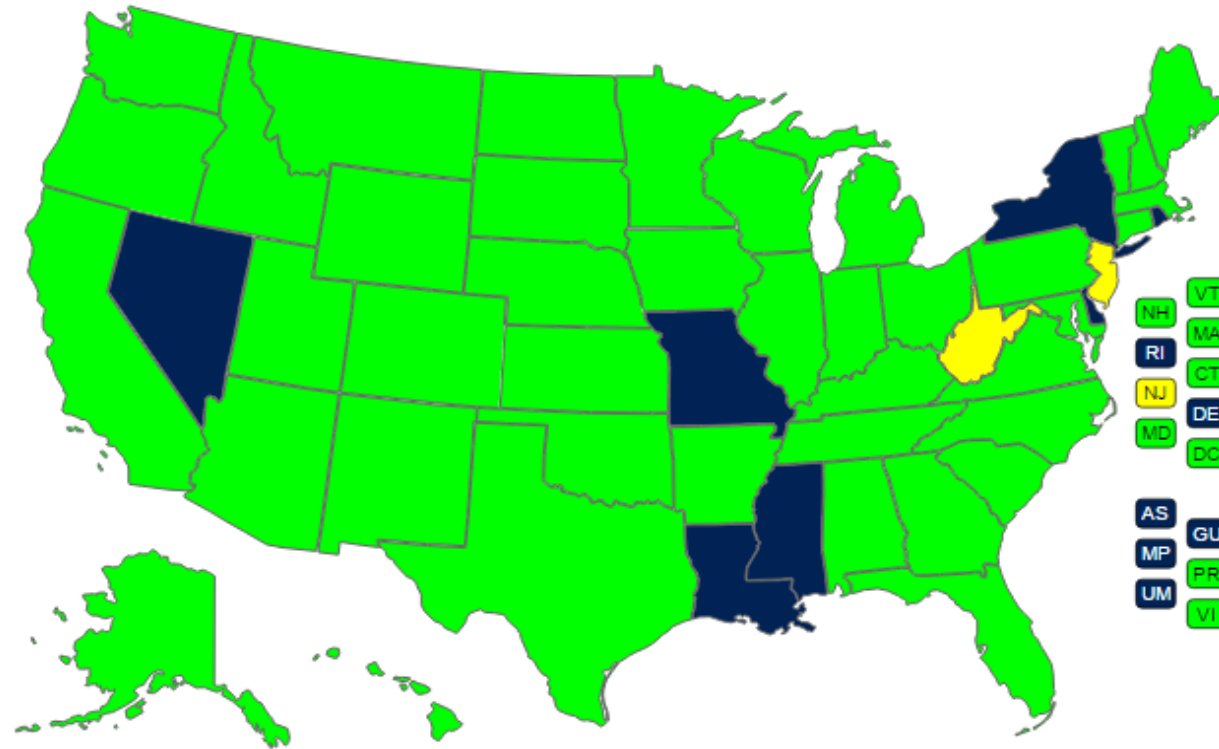


<https://www.911.gov/911grants.html>



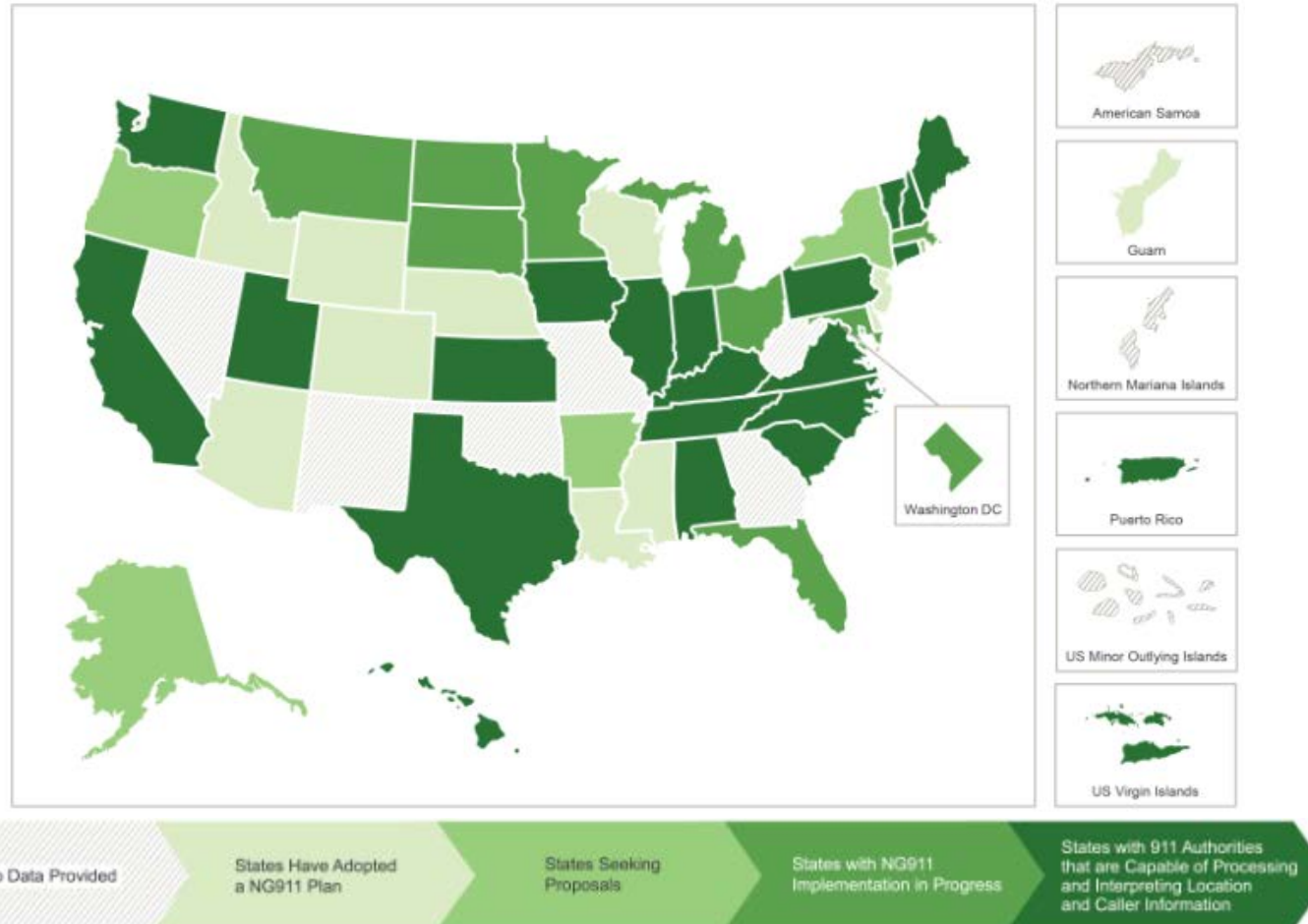


# National 911 Profile Database: 2016 collection / 2015 data



2016 State Participation: ■ = No Data Provided ■ = Not Complete ■ = Complete

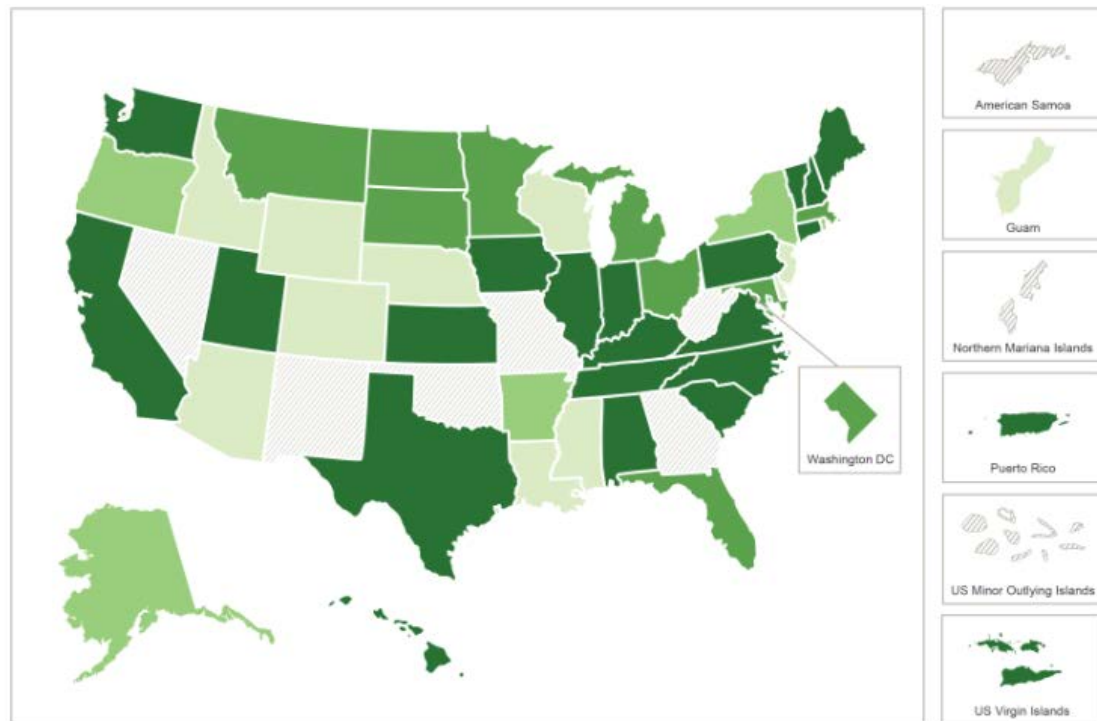
# National 911 Profile Database: 2016 collection / 2015 data



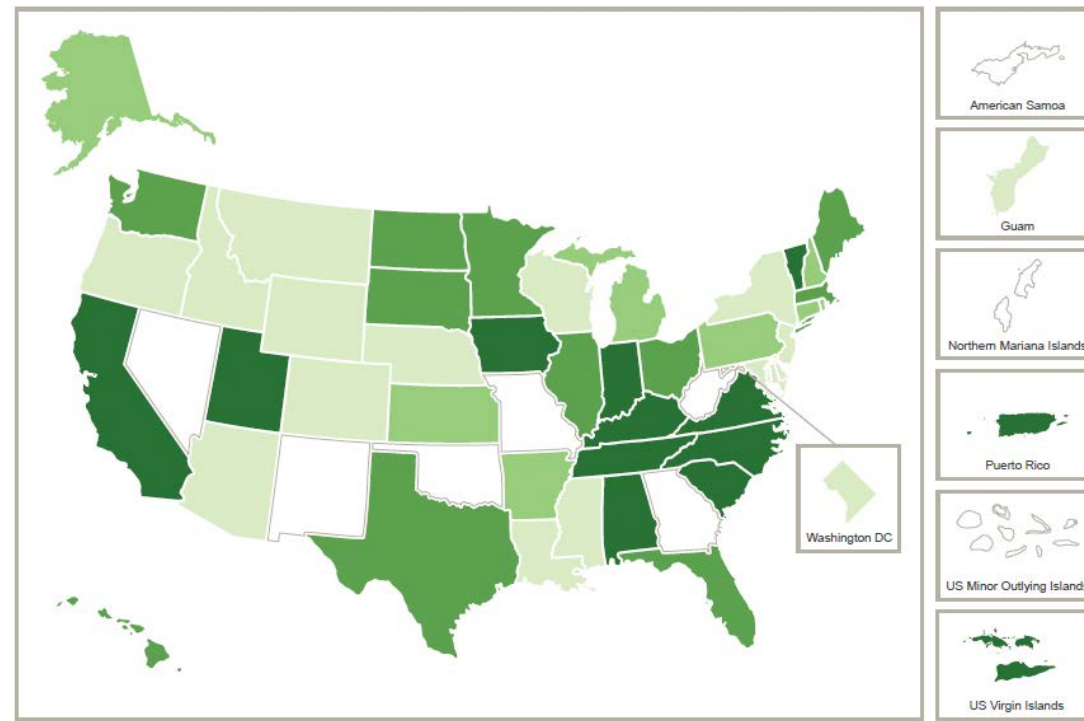
### **Caveats:**

- Darkest Green – Processing voice calls using NG911 infrastructure (including ANI & ALI)
- No state has fully implemented all components of NG911

# Progress...



2016 collection / 2015 data



2014 collection / 2013 data

# *Percentage of PSAPs connected to an operational ESInet*

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## **Of the 45 reporting States:**

- 10 States have 100% of PSAPs connected
- 10 States have some of PSAPs connected
- 19 States do not have PSAPs connected
- 6 States are “unknown” – State did not respond to this data element.

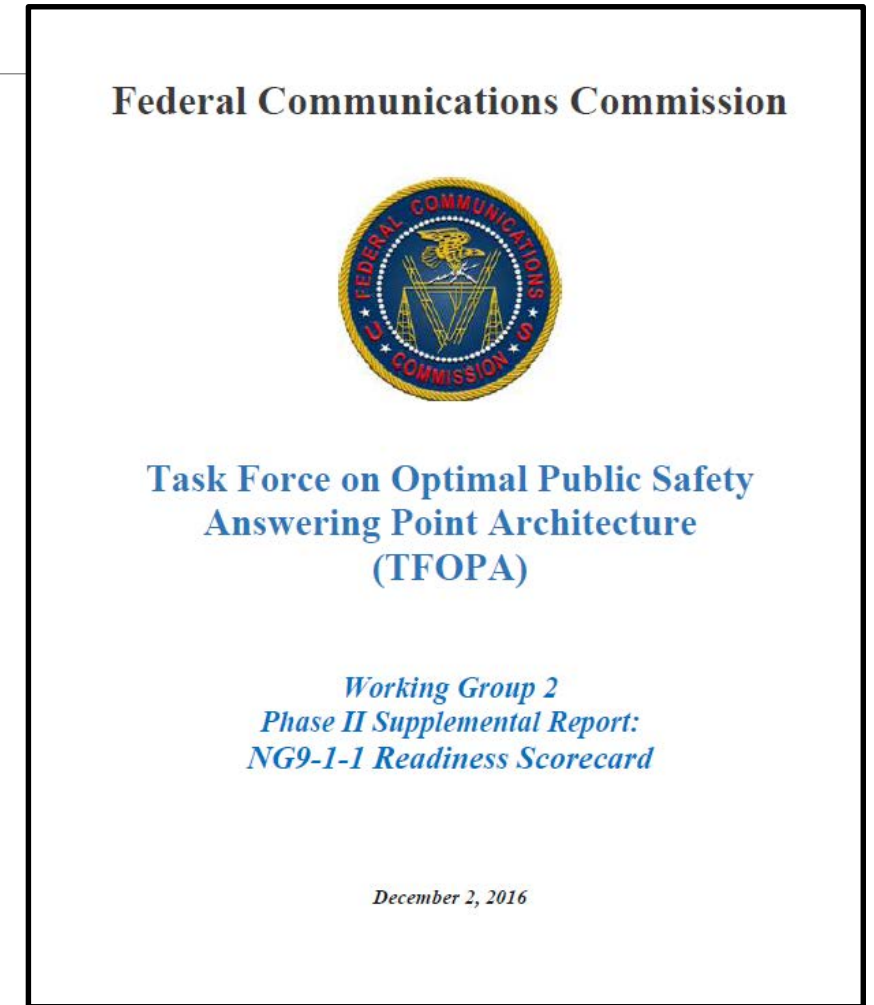
## *Percentage of Address Authorities that have Geocoded their Addresses to a GIS format*

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### ***Of the 45 reporting States:***

- 8 States have 100% geocoded addresses
- 3 States have 90-99% geocoded addresses
- 5 States have 5-51% geocoded addresses
- 10 States do not have geocoded addresses
- 16 States are “unknown” – State did not respond to this data element.

# Role of GIS in State/Local Assessment



<https://www.fcc.gov/about-fcc/advisory-committees/general/task-force-optimal-public-safety-answering-point>

# *NG911 Readiness Checklist based on NG911 Maturity Model*



	LEGACY	FOUNDATIONAL	TRANSITIONAL	INTERMEDIATE	END STATE
<b>Business Domain</b>					
<b>Data Domain</b>					
<b>Application &amp; Systems Domain</b>					
<b>Infrastructure Domain</b>					
<b>Security Domain</b>					
<b>Performance Domain</b>					

## Foundational Stage: Definition

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As the name implies, the Foundational stage is where the groundwork and planning for NG911 implementation is initiated. NG9-1-1 feasibility studies are performed, **Geographic Information System (GIS) data preparation commences**, and IP networks may be implemented. NG911 systems are not yet operational and system procurement is either planned or underway.



# NG911 Readiness Scorecard

Next Generation 9-1-1 Readiness Scorecard						
<u>Category</u>	NG9-1-1 Implementation Maturity State					
	<u>Legacy</u>	<u>Foundational</u>	<u>Transitional</u>	<u>Intermediate</u>	<u>i3 End State - Jurisdictional</u>	<u>i3 End State - National</u>
<b><u>GIS Data</u></b>						
NG9-1-1 Dataset Creation Project Planned		X				
NG9-1-1 Dataset Creation Project in-Progress		X	Optional			
NG9-1-1 Dataset Complete				X	X	X
Data formatted for Location Verification Function (LVF)			Optional	Optional	X	X
Data formatted for Emergency Call Routing Function (ECRF)			Optional	X	X	X
Data formatted for Policy Routing Function (PRF)			Optional	X	X	X
Jurisdictional Boundaries exported to neighboring ESInets					Optional	X

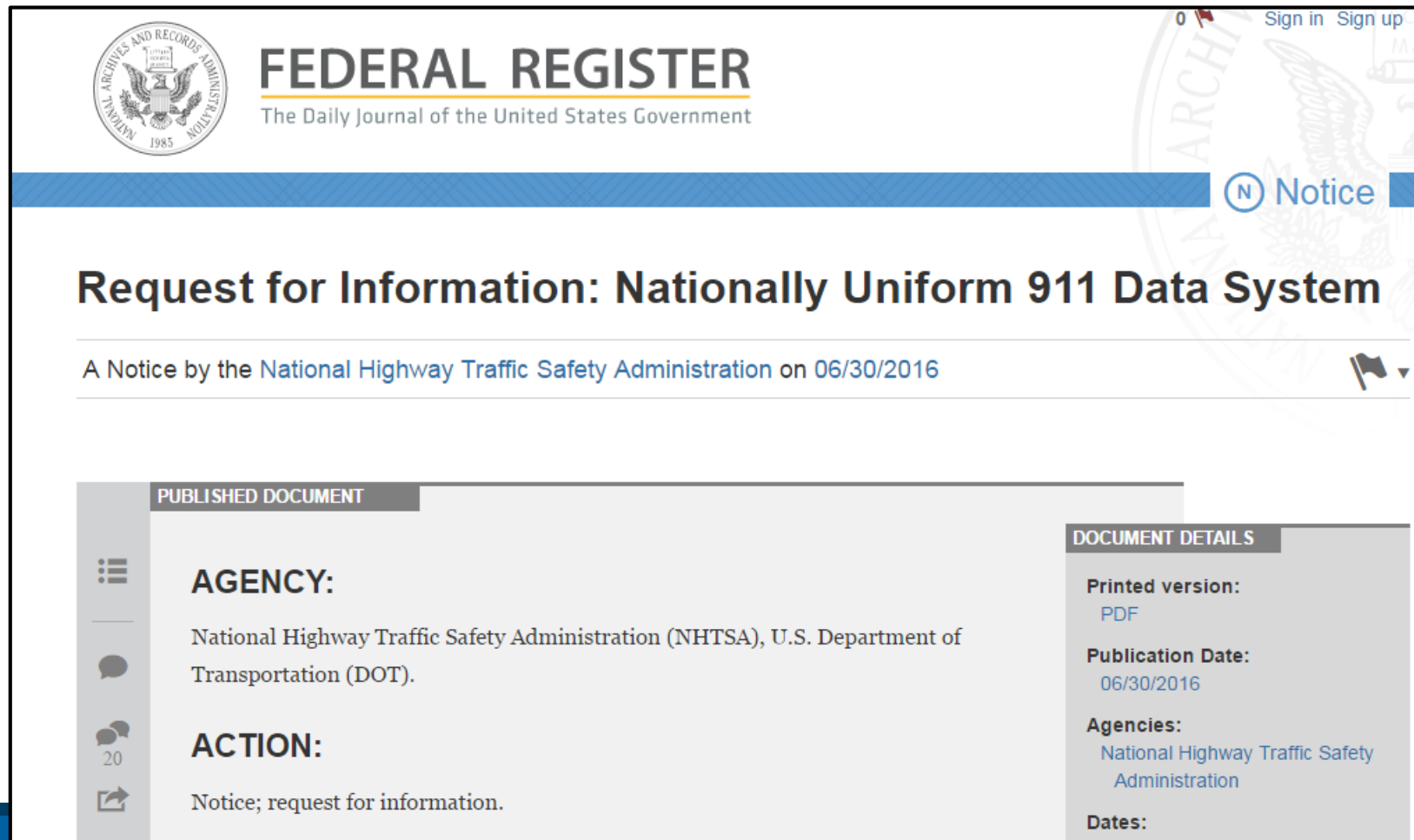
# Nationally Uniform 911 Data System




The screenshot shows the top navigation bar of the Federal Communications Commission (FCC) website. The header includes the FCC logo, navigation links for 'Browse by CATEGORY' and 'Browse by BUREAUS & OFFICES', and a search bar. Below the header is a secondary navigation bar with links for 'About the FCC', 'Proceedings & Actions', 'Licensing & Databases', 'Reports & Research', 'News & Events', and 'For Consumers'. The main content area displays the breadcrumb trail 'Home / Public Safety / Advisory Committees /' followed by the title 'Task Force on Optimal Public Safety Answering Point Architecture (TFOPA)'.

“A National system enabling the collection and analysis of standardized administrative data, operational data, cost data and CAD data should be developed and made available to PSAPS and 911 Authorities, to provide essential information to substantiate planning decisions and improvements to assist in the migration towards NG911.”

# Nationally Uniform 911 Data System



The screenshot displays the Federal Register website interface. At the top left is the logo for the National Archives and Records Administration, established in 1985. The main header reads "FEDERAL REGISTER" with the subtitle "The Daily Journal of the United States Government". In the top right corner, there are links for "Sign in" and "Sign up". A blue navigation bar contains a "Notice" link with a circled 'N' icon. The main content area features the title "Request for Information: Nationally Uniform 911 Data System" and a subtitle "A Notice by the National Highway Traffic Safety Administration on 06/30/2016". Below this, a "PUBLISHED DOCUMENT" section is visible, containing a list of items with icons for menu, comments, and shares. The first item is titled "AGENCY:" and describes the National Highway Traffic Safety Administration (NHTSA), U.S. Department of Transportation (DOT). The second item is titled "ACTION:" and describes the notice as a request for information. To the right, a "DOCUMENT DETAILS" sidebar provides additional information: "Printed version: PDF", "Publication Date: 06/30/2016", "Agencies: National Highway Traffic Safety Administration", and "Dates:".

 **FEDERAL REGISTER**  
The Daily Journal of the United States Government

Sign in Sign up

Notice

## Request for Information: Nationally Uniform 911 Data System

A Notice by the National Highway Traffic Safety Administration on 06/30/2016

**PUBLISHED DOCUMENT**

- AGENCY:**  
National Highway Traffic Safety Administration (NHTSA), U.S. Department of Transportation (DOT).
- ACTION:**  
Notice; request for information.

**DOCUMENT DETAILS**

**Printed version:**  
PDF

**Publication Date:**  
06/30/2016

**Agencies:**  
National Highway Traffic Safety Administration

**Dates:**

## *Nationally Uniform 911 Data System: RFI*

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### **15 questions:**

- Who?
- What?
- When?
- Where?
- Why?
- How?
- So what?

## *Nationally Uniform 911 Data System: RFI*

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2. As a 911 stakeholder, how might the implementation of a nationally uniform 911 data system be most useful to you (i.e., planning, funding justification, strategic planning etc.)?
  
5. What kind of data elements would you consider as essential data related to information handled by telecommunicators and by CAD systems, in receiving and processing 911 calls, and transmitting information to emergency responders?
  
11. What are your suggestions for the process that should be used in developing, implementing, and/or operating a nationally uniform 911 data collection system?
  
13. What are the challenges that would have to be overcome, in implementing a nationally uniform 911 data system?

# National Address Database

The screenshot shows the Transportation.gov website with the National Address Database page. The page features a navigation menu, a search bar, and a main content area with a title, a quote, and a paragraph of text. A sidebar on the left contains links to 'Overview' and 'Developers Challenge'. A right sidebar contains a section titled 'The Open Government Partnership' with a paragraph of text and a link to 'The Open Government Partnership'.

Transportation.gov  
U.S. Department of Transportation

Search DOT site

▼ About DOT ▼ Our Activities ▼ Areas of Focus

National Address Database

Overview

Minimum Content Requirements and Schema

Developers Challenge

Home > National Address Database

## National Address Database



*"Let digital mapping help us build better societies."  
-Lee R. Schwartz, PhD, Geographer of the United States*

The **National Address Database** has been identified as an initiative in the [Open Government Partnership National Action Plan for the United States](#).

**OPEN GOVERNMENT PARTNERSHIP NATIONAL ACTION PLAN FOR THE UNITED STATES OF AMERICA**

### The Open Government Partnership

On Tuesday, 27 October 2015, President Obama issued the third U.S. Open Government National Action Plan - The Open Government Partnership, identifying U.S. National Action Plan Initiatives to improve public services and the public's access to information. The fourth of these initiative is to create a consolidated public listing of every commercial and residential address in the United States; hence, the effort to create a National Address Database.

### The Open Government Partnership

Want to learn more about protecting and transforming our world through geospatial information to support the 2030 Sustainable Development Goals. Get the White Paper published by some of our sponsors and partners here: [WHITE](#)

# Strengthening America's 911 Systems

Learn more about the National 911 Program and its mission to coordinate improvements to America's 911 system.

Learn More



USING 911 APPROPRIATELY



ENSURING ACCESS



911 AS A PROFESSION



DOT IN 911 HISTORY



OPERATIONS & TRAINING



LEGISLATION, FUNDING & POLICY



THE FUTURE OF 911



911 & FIRSTNET



TEXT-TO-911

Search

### 911 Program Initiatives

**Working for an Updated 911 System**  
People expect the 911 system to work quickly and reliably, everywhere and with any device. The National 911 Program's role is to help the 911 community provide optimal 911 services across the nation.

Read More

### Resources for 911 Systems

 **Shared Tools & Documents**  
In the 911 Resource Center

### State 911 Resources

-  Document Resource Center
-  Model Legislation Guidelines
-  Profile Database
-  State 911 Assessments

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