

# Address Subcommittee Meeting

**March 11, 2020**

**11:00 pm– 12:30 pm Eastern**



# Meeting Agenda

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1. Welcome and Introductions/Roll Call
2. Action Items from February Meeting
  - Oak Ridge National Laboratories (ORNL) structures discussion follow-up.
3. NAD Updates – Steve Lewis
4. National States Geographic Information Council (NSGIC) NAD Stakeholder Workshop – Jonathan Duran
5. Address Workflow Validations Review – Matt Zimolzak
6. Address Content Subgroup Update – Dave Cackowski
7. Puerto Rico Address Data Working Group Update – Dave Cackowski
8. Puerto Rico Civic Address Vulnerability Evaluation (PRCAVE) Update – Raul Rios-Diaz
9. Action Item Review – Dave Cackowski
10. Adjourn

# February Meeting Action Items

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- Oak Ridge National Laboratories (ORNL) structures discussion follow-up

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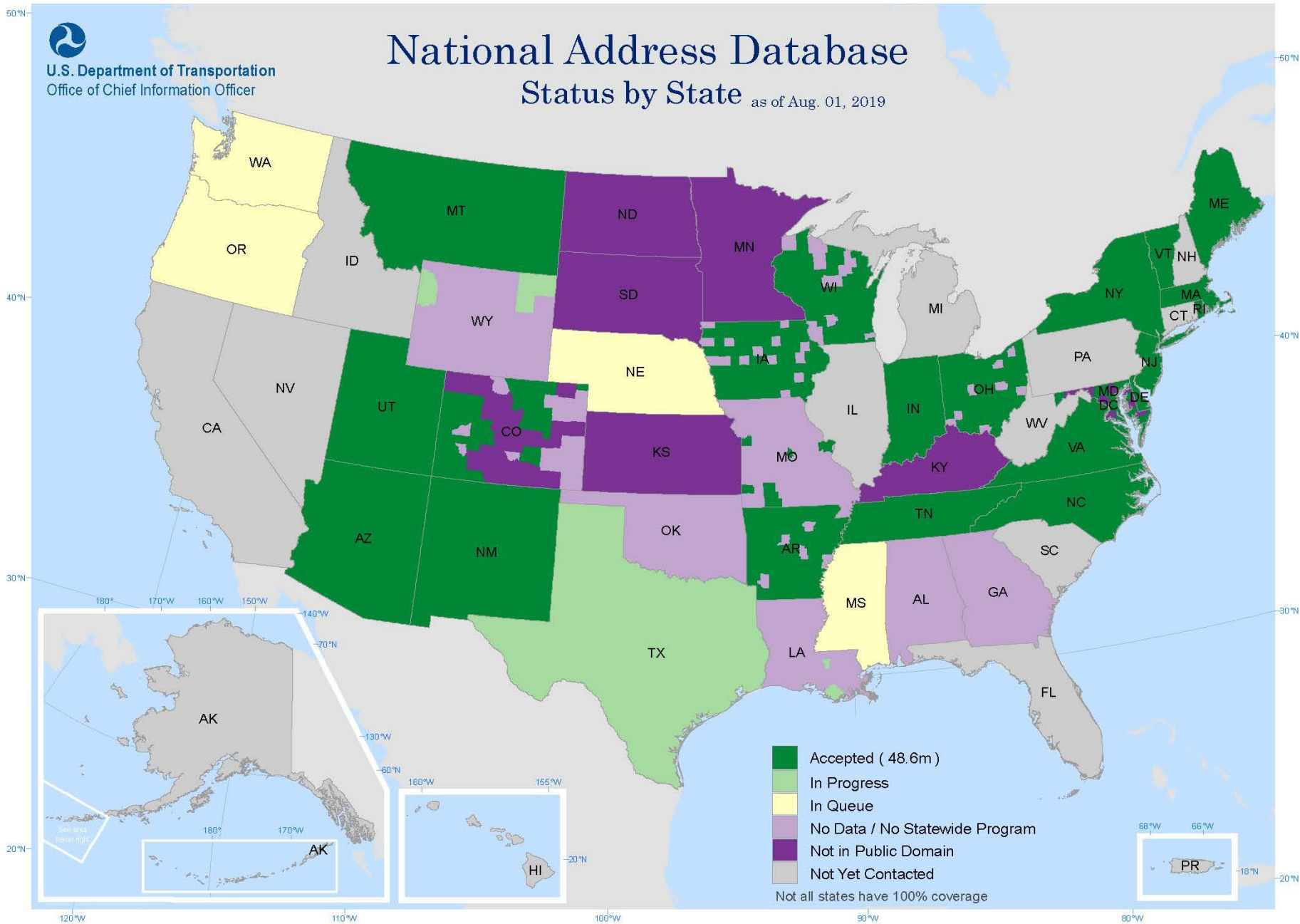
# NAD Updates



U.S. Department of Transportation  
Office of Chief Information Officer

# National Address Database

## Status by State as of Aug. 01, 2019



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# National States Geographic Information Council (NSGIC)

## NAD Stakeholder Workshop Update

# NSGIC NAD Stakeholder Workshop

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## National Address Database Stakeholder Workshop: Developing Strategies to Support a Sustainable NAD

# Workshop Information

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In conjunction with the National States Geographic Information Council (NSGIC) Midyear Meeting, NSGIC is convening a half-day workshop for state and federal stakeholders of the National Address Database.

## Goals:

- Develop a recommendation for the lead federal agency for the NAD
- Explore potential funding sources for NAD support
- Identify existing programs that can be used to support the NAD
- Explore NAD value and beneficiaries, including federal and state agencies and programs and in the private sector
- Define the role NSGIC can play to facilitate the development and aggregation of the state address databases for incorporation into the NAD

## WHERE

Monday, March 2, 2020  
8:30am - 12:30pm

Hotel Albuquerque  
800 Rio Grande Blvd NW  
Albuquerque, NM 87104



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# Address Workflow Validations Review

# Address Workflow Validations Matrix

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## What is it?

- A more detailed supplement to address workflow charts
- Suggested validations and tests
- Both influencing and influenced by the ongoing work of the Address Content Subgroup.
- Continuously evolving / Work in progress

# Address Workflow Validations Matrix

Address Workflow Validations																	Version 0.81
Val ID	Validation	Sub-Validation	Condition	Federal	State	County	Other	Intersect	Number	Unnumbered	Landmark	Community	Details				
<b>Spatial Validations</b>																	
1	Each address record has a coordinate (both X,Y), not null, and the coordinate falls into the Northern/Western hemisphere of the Earth.		Required	✓	✓	5	✓	✓	✓	✓	✓	✓	✓	✓	✓	Fall within the appropriate bounding box range of coordinate.	
2	Each address is located in correct jurisdiction.		Required	✓	✓	19	✓	✓	✓	✓	✓	✓	✓	✓	✓		
2a		State	Required	✓	✓	19	✓	✓	✓	✓	✓	✓	✓	✓	✓		
2b		County, Parish, Alaska Borough	Required		✓	19	✓	✓	✓	✓	✓	✓	✓	✓	✓		
2c		Incorporated Municipality	Required		✓	19	✓	✓	✓	✓	✓	✓	✓	✓	✓		
3	Each address record falls on the centerline of the road.		Recommended		✓	19	✓	✓	✓							Requires appropriate road centerline file with range and parity information.	
4	Each address falls within the address range on the road centerline.		Recommended		✓	19	✓	✓	✓							Requires appropriate road centerline file with range and parity information.	
5	Each address record has a coordinate system which is documented in the metadata.		Required	✓	✓	5	✓	✓	✓	✓	✓	✓	✓	✓	✓		
6	Run file name process from address point to known street name.		Recommended		✓	19	✓	✓	✓							Requires appropriate road centerline file with range and parity information.	
<b>Schema Validations</b>																	
7	Schema validation - Validate that the data is in the NAD Schema.		Mixed	RQ	Rc	26	Rc	Rc	✓	✓	✓	✓	✓	✓	✓	Based on the NAD Schema and minimum content guidance.	
8	Each record contains the mandatory data elements.		Required	✓	✓	5	✓	✓	✓	✓	✓	✓	✓	✓	✓		
8a		A unique ID is included for each address record, is not duplicated elsewhere in the same dataset, and is alphanumeric.	Mixed	RQ	RQ	12	Rc	Rc	✓	✓	✓	✓	✓	✓	✓		
8b		Each address record has address authority (data creator) populated (not null).	Required	✓	✓	5	✓	✓	✓	✓	✓	✓	✓	✓	✓		
8c		Each address record has address date (last edited or verified) populated (not null), in a year/month format.	Required	✓	✓	5	✓	✓	✓	✓	✓	✓	✓	✓	✓	Date format down to the day is optimal, but optional.	
8d		Each address record has an address number (not null).	Required	✓	✓	5	✓	✓	✓	✓	✓	✓	✓	✓	✓		
8e		Each address has the mandatory (FGDC) element for the address class it has been assigned to.	Required	✓	✓	12	✓	✓	✓	✓	✓	✓	✓	✓	✓	Not all states or local may assign a class for an address.	
8f		Each address record has an address street name (not null), and is alphanumeric.	Required	✓	✓	12	✓	✓	✓	✓	✓	✓	✓	✓	✓		
8g		County or equivalent is populated for each address record by the address provider or by the aggregator.	Mixed	RQ	RQ	12	RQ	Rc	✓	✓	✓	✓	✓	✓	✓	Unincorporated Borough in Alaska and independent cities such as Baltimore, MD, Casper, Wyo, MI, St. Louis, Chicago, MO, and Alexandria, Virginia.	
		Incorporated municipality (e.g., city, town, name)															

# Features

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- Organized in a matrix format
  - Check marks or box numbers
  - Easy cross-referencing
- Validation Categories
  - Spatial
  - Schema
  - Data
  - Anomalies
- Validation ID - Numeric reference for validation
- Validations / Sub-Validations - Specific tests
- Condition - Required / Recommended
  - Occasionally Mixed, based on specific circumstances.

# Features (Continued)

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- Actor / Box #
  - Repeated for each actor Address Workflow Chart
  - Box # currently populated for State actor only
- Six FGDC Address Classes:
  - Thoroughfare
  - Intersection
  - 2 Number
  - Unnumbered
  - Landmark
  - Community
- Details - Relevant notes / information

# Validations Review / Future Features

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- Individual Validations Review (Time permitting)
- Future Features
  - Populate Box #s for other actor, address workflow charts
  - New tab for FGDC Address Standard, Validation Test IDs
    - Cross-referenced by Validation ID / Validation
    - Currently in development by the team

# Questions and Discussion

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## Questions and Discussion

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# Address Content Subgroup Update



# Work Since August 2019 – Main Effort

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Preparing full report for submittal to the committee, covering:

1. Review of NAD studies and reports since 2012
2. NAD Scope
3. Workflow Subgroup recommendations
4. NAD capability/content list (28 capabilities)
5. Detailed address content item descriptions
6. Additional tasks for 2020

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# Puerto Rico Address Data Working Group Update

# Phase Two Objectives

PRADWG Phase One

PRADWG Phase Two

Step 1

- Identify the challenges facing federal agencies that manage Puerto Rico address data.

Step 2

- Create a comprehensive inventory of federal agency challenges through a Phase Two questionnaire.

Step 3:

- Document the collective challenges for federal agencies that manage Puerto Rico address data.

PRADWG Phase Three

# Phase Two Status

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- Initial Draft Phase 2 Report completed last week
- Report to the Address Subcommittee expected for April meeting

## For More Information On The PRADWG

- **Address Theme Community**
  - <https://communities.geoplatform.gov/ngda-address/>
- **Puerto Rico Address Data Working Group**
  - <https://communities.geoplatform.gov/ngda-address/puerto-rico-address-data-working-group/>
- **PRADWG as a Proof Point for the Federal Data Strategy**
  - <https://strategy.data.gov/proof-points/2019/07/26/pradwg/>

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# Puerto Rico Civic Address Vulnerability Evaluation (PRCAVE) Update

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# Action Items

# Thank You



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