The Address Theme
and
National Address Database Update

NGAC Meeting
September 6, 2017

Presented by
Steve Lewis, Department of Transportation
Tim Trainor for Lynda Liptrap, Census Bureau
The Address Theme and the National Address Database (NAD)

The Address Theme: a component of the federal geospatial portfolio consisting of datasets pertaining to addresses and point locations

The NAD: an open and publicly available nationwide database of residential, commercial, and postal delivery addresses with location data (geospatial coordinates)
Address Theme and NAD Roles and Responsibilities

Executive Theme Champions
  • Tim Trainor, Census Bureau (transition to Deirdre Bishop)
  • Steve Lewis, acting for Department of Transportation (DOT)

Theme Leads
  • Lynda Liptrap, Census Bureau
  • Steve Lewis, DOT

Address Subcommittee chairs
  • Steve Lewis, DOT
  • Lynda Liptrap, acting for Census Bureau

NAD Dataset Manager
  • Matt Zimolzak, Census Bureau
Address Theme Subcommittee

16 Federal Members
- Census Bureau*
- Consumer Financial Protection Bureau
- Department of Education
- Department of Energy
- Department of Homeland Security
- Department of Housing and Urban Dev.
- Department of the Interior
- Department of Justice
- Department of Labor
- Department of Transportation*
- Department of Veterans Affairs
- Federal Emergency Management Agency
- National Technical Information Service
- Office of Management and Budget
- U.S. Postal Service
- Social Security Administration

19 Non-Federal Partners
- State of Arkansas
- Boone Co., Missouri
- State of California
- District of Columbia
- Commonwealth of Massachusetts
- State of Michigan
- State of Minnesota
- State of Montana
- National Association of State 911 Admins.
- NENA
- State of New Jersey
- State of North Carolina
- State of New Hampshire
- National States Geographic Info. Council
- State of Oregon
- Oakland County, Michigan
- City of Philadelphia
- URISA
- State of Vermont

* = Co-chair
Address Theme and NAD Goals

- Establish Address Subcommittee - done
- Develop Theme Definition – done
- Finalize Subcommittee Charter – done
- Gather and Refine NAD User Requirements – done
- Create Theme Community on the GeoPlatform – done
- Establish Business Process Working Group - done
- Assess the Pilot NAD Database – in progress
- Develop a Theme Strategic Plan – in progress
Address Workflow Subgroup

• Created in the Summer of 2017
  • Chair, Matt Zimolzak (Address Dataset Manager, US Census Bureau)
  • Co-chair, Dan Ross (Chief GIO, State of Minnesota)

• Subgroup consists of 6 persons, representing
  • Federal, state and local government interests
  • Private sector and professional organization stakeholders

• Tasked with investigating, reporting on and recommending workflows for processing address updates from providers, for
  • National Address Dataset (NAD)
  • Other address datasets under the Address Theme
Address Workflow Subgroup (Continued)

• Subgroup meets twice monthly  
  • 3 times as of August 30th

• Early discussions focused on identifying  
  • Universe of authoritative sources  
  • Existing address update workflow visualizations and documentation from other similarly engaged entities

• Will help shape and influence our work
NAD Update
Topics

• Development Environment
• Contract for NAD ETL/Database Developer
• NAD Status
• NAD Production Environment
Development Environment

• Awarded a contract to stackArmor
  – r4.large CENTOS instance along with S3 and EBS storage in AWS East Region
  – Redhat Linux
  – PostGIS

• Contract for 1 year with 4 option years
Contract for NAD ETL/Database Developer

• Awarded to GIS Inc. at the end of June
• Onsite developer reported to DOT on July 17
  – Initial focus on QA/QC of data submission
  – Now assisting states with ETL development
• Additional GIS Inc. resources available for “crunch” times
NAD Production Environment

• DOT and Census will partner with DOI to leverage the Geospatial Platform
  – Kickoff meeting next week to formalize the partnership
  – AGOL based
• Bulk download options and APIs are also being explored
Address Theme and NAD Team Contacts

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