Address Subcommittee

March 8, 2017
1:00– 2:30 PM Eastern

U.S. Dept. of Transportation
Washington, DC
Meeting Agenda

1:00  Welcome and Meeting Goals
     •  Subcommittee Charter Update

1:05  NAD Federal User Requirements Workshop
     •  Pre-workshop Questionnaire Results
     •  Workshop Recap

1:30  NSGIC Mid-year Meeting Update
     •  Address Theme Activities
     •  Breakout Session

2:00  Potential Subgroups
     •  Subgroups Overview
     •  Potential Subgroups

2:30  Adjourn

Next Step: Edit and Finalize Charter
Theme Goals

- Define the Theme
- Establish a Charter for the Subcommittee
- Gather User Requirements
- Assess the Pilot Database
- Develop a Strategic Plan
Theme Goals

- Define the Theme
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NAD Federal User Requirements Workshop Recap

Pre-Workshop Questionnaire Results

Breakout Session Results
Workshop Process

- Pre-workshop questionnaire
  - Content
  - Metadata
  - Functional

- Presentations
  - Address theme management and NAD background
  - Results from the questionnaire

- Breakout sessions
  - Review questionnaire results
  - Add requirements if necessary
  - Prioritize requirements

- Summary of breakout sessions
# NAD Pilot Minimum Content Guidelines

## The Address Itself
- Address Number
- Street Name
- Subaddress
- City/Town/Place
- County
- State
- Zip

## Geographic Location of the Address
- Lat/Long
- National Grid Coordinates

## Metadata About the Address
- Address authority
- Address source
- Address date
- Unique ID
- Type (residential, commercial, etc.)
- Placement (rooftop, driveway access, etc.)
Pre-workshop Questionnaire Results

Federal Agency NAD Uses

- Address Verification/Inventory
- Decision-Making/Policy Development
- Planning
- Emergency Response
- Impact Analysis
- Fraud Detection
- Other 1
- Survey Execution
- Service Delivery
- Facility Management
- Risk Assessment
- Mailing List
- Funding Allocation
- Compliance Notification
- Enumeration

number of responses
Pre-workshop Questionnaire Results

Address Point Location
- Front Door Only: 3
- Building Footprint Centroid: 2
- Parcel Centroid: 1
- No Preference: 1
- All Doors: 1
- Post Office Mail Receptacle: 1

Update Frequency
- Annually: 6
- Quarterly: 3
- Continuously: 2
- Biannually: 1

Address Type
- Residential: 12
- Commercial: 10
- Governmental/Public: 8
- Other: 6

Data Management Model
- No Preference: 6
- Distributed: 4
- Centralized: 2
Questionnaire Results – Highest Content

### Multi Unit Structure Flag
- **Essential**: 5
- **Desirable**: 1
- **Useful**: 2
- **Unneeded**: 1

### Unit Count at BSA
- **Essential**: 6
- **Desirable**: 2
- **Useful**: 1
- **Unneeded**: 1

### Postal City and State
- **Essential**: 7
- **Desirable**: 2
- **Useful**: 2
- **Unneeded**: 1

### Unit Type
- **Essential**: 6
- **Desirable**: 3
- **Useful**: 3
- **Unneeded**: 3
Questionnaire Results – Highest Content (cont)

Facility / Group Quarters Type

- Essential: 6
- Desirable: 2
- Useful: 1
- Unneeded: 3

Alternate Street Names

- Essential: 4
- Desirable: 4
- Useful: 3
- Unneeded: 1

Building ID Number

- Essential: 5
- Desirable: 2
- Useful: 1
- Unneeded: 4
Questionnaire Results – Lowest Content

Congressional and State Legislative Districts

- Essential: 4
- Desirable: 2
- Useful: 3
- Unneeded: 3

PLSS

- Essential: 6
- Desirable: 2
- Useful: 3
- Unneeded: 1

Structure Built / Certificate of Occupancy

- Essential: 5
- Desirable: 2
- Useful: 3
- Unneeded: 2

Building Permit Date

- Essential: 6
- Desirable: 2
- Useful: 2
- Unneeded: 2
Questionnaire Results – Metadata

Address Point Coordinate System

- Essential: 9
- Desirable: 2
- Useful: 1

Indicator of Quality

- Essential: 5
- Desirable: 2
- Useful: 0

Last Validated Date

- Essential: 6
- Desirable: 2
- Useful: 4

Update Frequency

- Essential: 6
- Desirable: 2
- Useful: 4
Questionnaire Results – Highest Functional

- Data Tools
- Anytime Access via Internet
- Dataset Interoperability
Questionnaire Results – Highest Functional (cont)

Download Tools

- Essential: 3
- Desirable: 1
- Useful: 1
- Unneeded: 1

Web Feature Services

- Essential: 4
- Desirable: 1
- Useful: 1
- Unneeded: 1
Questionnaire Results – Lowest Functional

Report Tools
- Essential: 4
- Desirable: 4
- Useful: 2
- Unneeded: 2

Statistics Tools
- Essential: 2
- Desirable: 1
- Useful: 9
- Unneeded: 1

Imagery Tools
- Essential: 6
- Desirable: 4
- Useful: 1
- Unneeded: 1

Map Format Tools
- Essential: 6
- Desirable: 5
- Useful: 1
- Unneeded: 1
Content Requirements

- Key take-away points
  - NAD Pilot minimum content meets the needs of many of the participating Federal agencies
  - Federal agencies identified several additional requirements

- Top five additional content needs
  - Alternate street names
  - Unit type
  - Postal City/State Abbreviation
  - Multi-unit structure flag
  - Geocode confidence and accuracy
Metadata Requirements

❖ Key take-away
  ❖ Top three needs are essential, remaining are desirable

❖ Top five metadata needs
  ❖ Address coordinate reference system
  ❖ Coordinate reference system authority
  ❖ Indicator of quality
  ❖ Unique IDs
  ❖ Address lifecycle
Functional Requirements

- **Key take-away points**
  - Bulk download serves 90% of agencies needs
  - Functionality beyond tools on Geospatial Platform would be useful

- **Top five functional needs**
  - Feedback mechanisms
    - Error correction
    - Functionality development
  - Download tools such as subset download and queuing priority
  - Anytime access via cloud
  - Batch geocoding service
  - Ability to feed updates to classified systems
Topics for Further Discussion

- Overall workflow
  - Maintenance
- Quality
- Unique IDs
- Linkages to other datasets
  - Infrastructure points (manholes, fire hydrants)
  - Building footprints, parcels, etc.
NSGIC\textsuperscript{1} Mid-year Meeting Re-cap

1. National States Geographic Information Council
NSGIC Mid-year Meeting

- NAD Breakout Session
  - Metadata
  - Database Completeness – polygon layer?
  - Unique ID

- Address-Transportation / NG911 Joint Committee Meeting
  - Stay up to date on NENA activities
Subcommittee Subgroups
Subgroups Overview

- FGDC Subcommittee chairs can create subgroups lasting **up to 1 year**
- Subgroups lasting more than 1 year require approval from the **FGDC Coordination Group**
- Participation can include both **Members and Partners** with voting limited to Members
Subgroups

- Potential Subgroups
  - Unique ID
  - Data Quality
  - Linkages to External Datasets
  - Others?
Next Steps

- Finalize Subcommittee Charter
- Report of workshop findings and recommendations
- Agenda item suggestions?
Thank You

NEXT MEETING: **Thursday, April 13th**
1:00-2:30 pm Eastern
Census HQ, Suitland, MD

**Contacts:**

Mark Lange, Ph.D.
mark.lange@census.gov
301-763-2660

Steve Lewis
steve.lewis@dot.gov
202-366-9223