

Meeting Notes

FGDC Puerto Rico Address Data Working Group and
Address Subcommittee Meeting

June 27, 2019

Eisenhower Executive Office Building, Washington, DC

Attendance (31 Total):

Aisha Ahmad, US Postal Service

Carl Anderson, URISA

Florinda Balfour, Department of Veterans Affairs

Dierdre Bevington-Attardi, Census Bureau

Dave Cackowski, Census Bureau

Daniel Diaz Torres, Gobierno de Puerto Rico Junta de Plantificación

Michael Fashoway, State of Montana

Greg Hanks, Census Bureau

Laura Hogberg, Census Bureau

John Huggins, Housing and Urban Development

Stuart Irby, Census Bureau

Henderson Irwin, Census Bureau

Karla Kaywork, Census Bureau

Chris Lawrence, MITRE

Will Lehman, US Army Corps of Engineers

Lynda Liptrap, Census Bureau

Phil Markert, Department of Homeland Security

Amy Nelson, Department of Transportation

Jimmy Nerantzis, National Geospatial-Intelligence Agency

Ted Payne, Housing and Urban Development

Eileen Poueymirou Yunqué, Gobierno de Puerto Rico Junta de Plantificación

Rachel Rodriguez, Los Angeles County

Amanda Rumsey, Census Bureau

Rob Seay, Social Security Administration

Joe Sewash, State of Virginia

Diane Snediker, Census Bureau

Chris Vaughan, Federal Emergency Management Agency

Ed Wells, URISA

Martha Wells, Spatial Focus/URISA

Alexandra Zablony, Census Bureau

Matt Zimolzak, Census Bureau

Meeting Summary

Review Action Items from Puerto Rico Address Data Working Group (PRADWG): Dave Cackowski

- All Action Items from the last PRADWG Meeting are complete (see slides for the items)

Puerto Rico Address Data Working Group Proven Practices Report: Dave Cackowski

- The Proven Practices Report Subgroup (Julia O'Brien, Will Lehman, Phil Ashlock, Dierdre Bevington-Attardi, and Dave Cackowski) along with Lynda Liptrap wrote the report based on the contributions of six federal agencies that provided their responses as to their Proven Practices in managing Puerto Rico Address Data.
- Six agencies responded to the survey: HUD, FEMA, USACE, Census, USDA, and USPS.
- The top three Proven Practices are:
 - Recognizing the differences in Puerto Rico addresses and accounting for them in the data model (e.g. adding urbanizacion name field).
 - Standardizing and cleaning the data whether through manual or automated means.
 - Validating the data through fieldwork or a source such as the US Postal Service.
- PRADWG Recommendations:
 - Recommend that all federal agency Puerto Rico address data stakeholders adopt one or more of the proven practices identified in this report, especially the top three proven practices.
 - Request that federal agencies publish their proven address data practices, tools, and procedures to an open platform.
 - Recommend a Phase II for the PRADWG to document federal agency requirements for Puerto Rico address data.
- Appendices 1-6 are the agency Proven Practice responses
- Appendix 7 contains links to address data resources, including the Census Bureau's Puerto Rico Address Guidelines.
- The final draft of the report is available on the PRADWG site on the GeoPlatform Address Theme Community page: <https://communities.geoplatform.gov/ngda-address/puerto-rico-address-data-working-group/>. Federal members of the Address Subcommittee can vote to approve the document on Survey Monkey at <https://www.surveymonkey.com/r/NGFYPBT>. All members can provide comments there as well.
- Discussion
 - Chris Vaughan – USA Structures data for Puerto Rico was released and is now available.

Address Subcommittee Business

- **Update on the National Address Database (NAD):** Dave Cackowski
 - Texas Parsing – DOT has parsed 7.3 million records out of the 9.3 million in the Texas data. A report will be supplied to Texas, but corrections in the short-term are unlikely. With Texas' approval the 7.3 million records will be added to the NAD.
 - The ETL and QA on Wisconsin data are complete. 1.4 million of the 2.1 million points are ready for the NAD. About 300,000 of the remaining points were flagged as duplicates and 400,000 have missing or incorrect address numbers. A report was sent to Wisconsin in May.
 - New Partner – Wyoming – no statewide address program but WYGEO is helping to gather county data. 3 of 24 counties have agreed to provide data and another 3 have parcel layers that could be turned into addresses.
 - Existing Partners – New Jersey and Ohio are still unable to provide updates. We are prioritizing updates from other partners by vintage of their NAD data, starting with New Mexico, Montana, District of Columbia, Indiana, and Virginia.
 - Kansas data was formerly 'Not in the Public Domain', but now 76 of 105 counties have agreed to release their data. Expect a Kansas submission soon.
 - NAD v2 available for download – In file geodatabase and flat ASCII formats. There are almost 47 million points. The data is available at the following links:
https://s3.amazonaws.com/nationaladdressdata/NAD_r2_WithMetadata.zip
https://s3.amazonaws.com/nationaladdressdata/NAD_r2_ASCIIWithMetadata.zip
www.transportation.gov/nad

- **Open Geospatial Consortium Disasters Interoperability Study:** Dave Cackowski, Lynda Liptrap
 - Pilot Kickoff held June 14 at USGS in Reston, VA
 - Participant groups from academia and the private sector to exercise specific disaster scenarios, such as earthquakes, hurricanes, or flooding, focused on specific areas, and develop:
 - User guides that help enhancing existing data infrastructures and components
 - Demonstrations of implemented scenarios that serve as blueprints for future activities and demonstrate the potential of modern Spatial Data Infrastructures.
 - There are many federal open datasets available to use. Datasets being considered by for use by teams include Census TIGER/Line Files and the NAD. Steve Lewis gave an overview of the NAD.
 - The nine selected teams gave presentations of their selected scenarios. Teams were from George Mason University, Wuhan University, ESRI, Compusult, and Image Matters, among others.

- **Address Theme Strategic Plan:** Lynda Liptrap
 - Draft version is in development and a will be shared before the next Address Subcommittee meeting
 - Final version will be postponed until the new NSDI Strategic Plan is developed.
 - Theme Implementation Plan (TIP) will follow after the Strategic Plan is completed.

- **Address Standards Templates for Puerto Rico Address Data**
 - Laura Hogberg at the Census Bureau has developed examples of various types of Puerto Rico address data in three formats:
 - The FGDC Standard
 - The National Emergency Number Association US Civic Location Data Exchange Format (NENA CLDXF)
 - The NAD Schema
 - Census Bureau provides fictitious but representative address examples
 - We will vet the examples with the standards sponsors
 - Discussion
 - Ed Wells:
 - There is a list of recommended content for the NAD that incorporates the best of these three theme and is a result of multiple discussions/interagency collaborations.
 - Standards have consistency between them already, but there are different driving use cases. The Address Content Subgroup is sorting this out to see which one applies best tot the address content.
 - Additional Discussion on Standards and Structures:
 - All Agencies with address databases will need to implement standards to comply with the 2018 Geospatial Data Act (GDA).
 - NAD Schema is well aligned with the FGDC standard. The schema is also built upon NENA/CLDXF since a majority of addresses originate from the 9-1-1 communities. All three are linked together, but there are some addresses where CLDXF and NAD schema are not consistent with the FGDC.
 - FEMA is interested in meeting on ideas for a pilot conflating structures data and NAD addresses, possibly starting with Texas.
 - Address Data Workflow subgroup has been developing workflow from local, state aggregators, to the NAD.
 - The ability to link structures to addresses may represent challenges, but it can be done.
 - Unique ID needs to be persistent with each release of data.
 - Census has access to a UBID methodology from Department of Energy and will provide an update.

- Definition of structures (i.e., residence, detached garage, toolshed) needs to be considered.
- **Address Content Subgroup:** Dave Cackowski
 - Scope - identify minimum address content and other possible tiers of desired or optimum content in the NAD.
 - Report at next Subcommittee Meeting
 - Report will include:
 - Address classes to include and exclude
 - Which standard to follow for each attribute
 - Which address attributes are:
 - Mandatory
 - Conditional
 - Optional
 - Excluded

Workshop on Improving Puerto Rico Addresses For Federal Datasets

- Hosted by Raul Rios of iCASA
- Local municipios will be represented to discuss address data.
- Federal agencies are there to listen and help improve address data for Puerto Rico as a resource. This is a learning opportunity.
- Agencies interested in attending please contact Lynda Liptrap.

Action Item Review

- Lynda - Will provide links to Arctic SDP pilot study. This is an example of what to expect as an outcome from the OGC Disasters Pilot.
 - Link: <https://www.opengeospatial.org/pub/ArcticSDP/pilot-overview.html>
- Chris - Links to the PR structures data
- Lynda - Updates on UBID at next meeting.
- Lynda - Address Theme Strategic Plan review at next meeting.
- Matt - Will provide Universal Building ID document. (Attached to August Meeting Invite).

Next meeting of the Address Subcommittee: Wednesday, August 14, 2019. Details to follow.