The 2020 Census
Geographic Partnership Opportunities

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United States Census Bureau
U.S. Department of Commerce
Economics and Statistics Administration
U.S. CENSUS BUREAU
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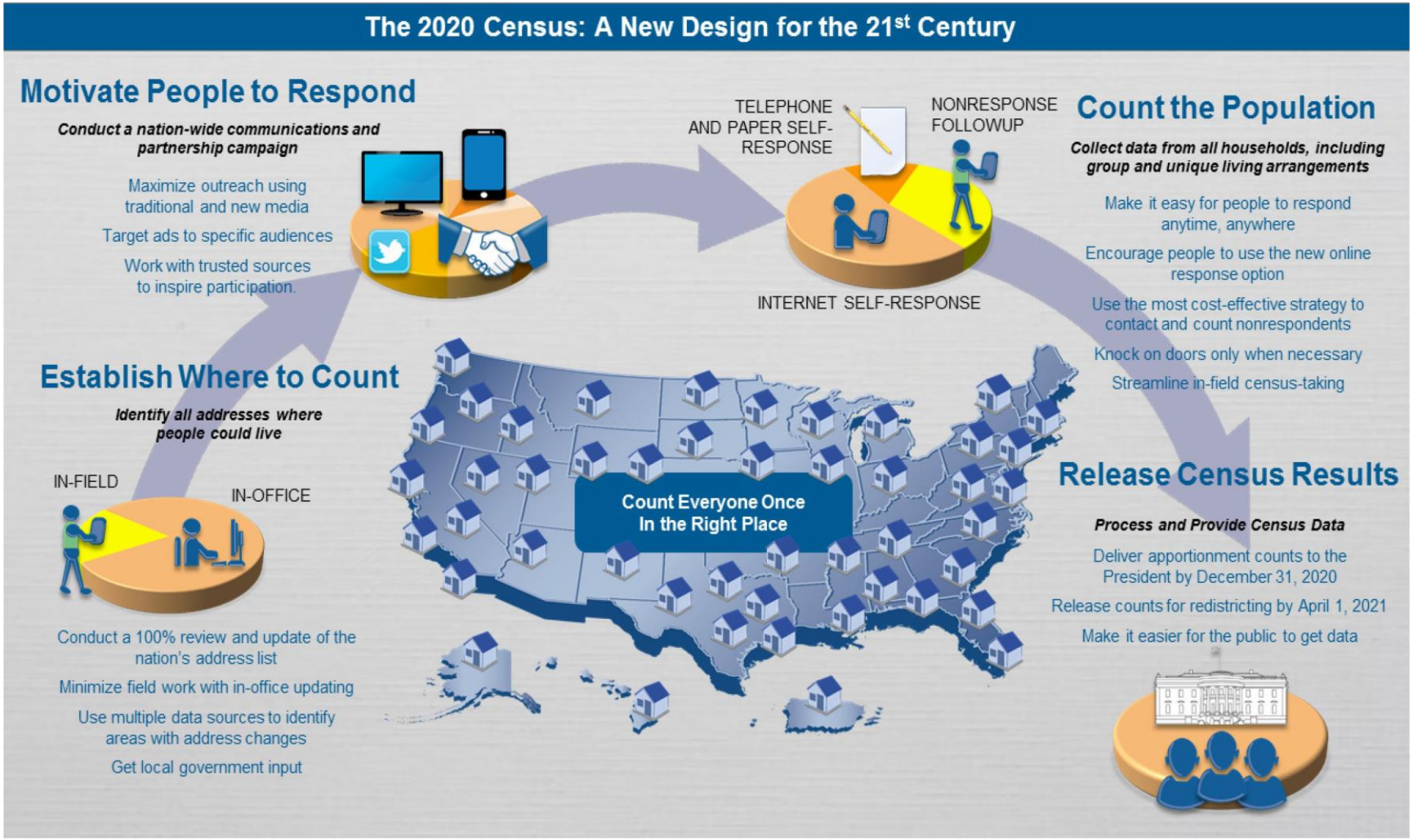
The 2020 Census

A New Design for the 21st Century



Geographic Partnership Opportunities

Supporting the 2020 Census

Local Update of Census Addresses

Participant Statistical Areas Program

Geographic Support System

Boundary and Annexation Survey

2020 Local Update of Census Addresses

Opportunity for local governments to review the addresses that will be used to conduct the Decennial Census

Single, Simplified Option: Title 13, Full Address List Review

- Reduce number of deleted LUCA records in field verification activities
- Reduce the burden and cost of processing addresses and LUCA address validation
- Reduce complexity
- *No Boundary & Annexation Survey as LUCA component for 2020*

2020 LUCA Operation

New for 2020

- Include census structure coordinates in the census address list and allow partners to return their structure coordinates as part of their submission
- Provide ungeocoded U.S. Postal Service Delivery Sequence File addresses to State and County partners
- Provide Census address counts by block in early 2017 and a public geocoding tool so you can geocode your address list to assess whether you'd like to participate:

  https://geocoding.geo.census.gov/

2020 LUCA Operation

New for 2020

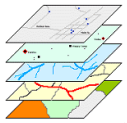
- Encourage lower-level governments to work with higher-level governments to consolidate submission
- Eliminated the Block Count Challenge
- Eliminated the use of the asterisk (*) designation for multi-units submitted without unit designations: *Require Unit Designators for multi-unit buildings (Apt #, Unit #, Mobile Home Park Lot #, Suite#, 1st Flr Front, 1st Flr Right, etc.)*
- Encourage LUCA participants to identify addresses used for mailing, location, or both

2020 LUCA Operation

Participation Options & Schedule

Participation Options:

GUPS (Geographic Update Partnership Software)



Digital (Commercial GIS/Spreadsheet/Database software)

Paper Address List and Maps
(Available only to governments with < 6000 addresses)
Background imagery on paper maps?

Tentative Schedule:

Advance Notification Letter/Contacts Update: January 2017
Program invitation: July 2017
Materials Available for Review: February 2018
LUCA Feedback Provided: August 2019
LUCA Appeals: October 2019

2020 Participant Statistical Areas Program

Opportunity for local officials to review and update Census Tracts, Block Groups and CDPs for 2020 Census data tabulation

Program Implementation

- 2 Phases: Delineation (120-day review)
  Verification
- 2020 PSAP "plan" created by the Census Bureau for review/acceptance/update *(new for 2020)*
- Covering both Tribal and Standard Statistical Areas

2020 PSAP "Plan"

- Lessens burden on our partners to review and update the 2010 statistical geographies
- Ensures that ALL statistical geographies are reviewed/updated consistently
- More extensive review than just criteria thresholds
- Partners can update the 2020 "plan" ***OR*** they have option to update from 2010 statistical geography base

2020 PSAP

Participation Options & Schedule

Standard Statistical Geographies:

GUPS

Geographic Update Partnership Software

Tribal Statistical Geographies:

GUPS

or

Paper Maps

Tentative Schedule:

Program invitation: Spring 2017

Materials Available: Winter 2018

PSAP Verification: Fall/Winter 2019

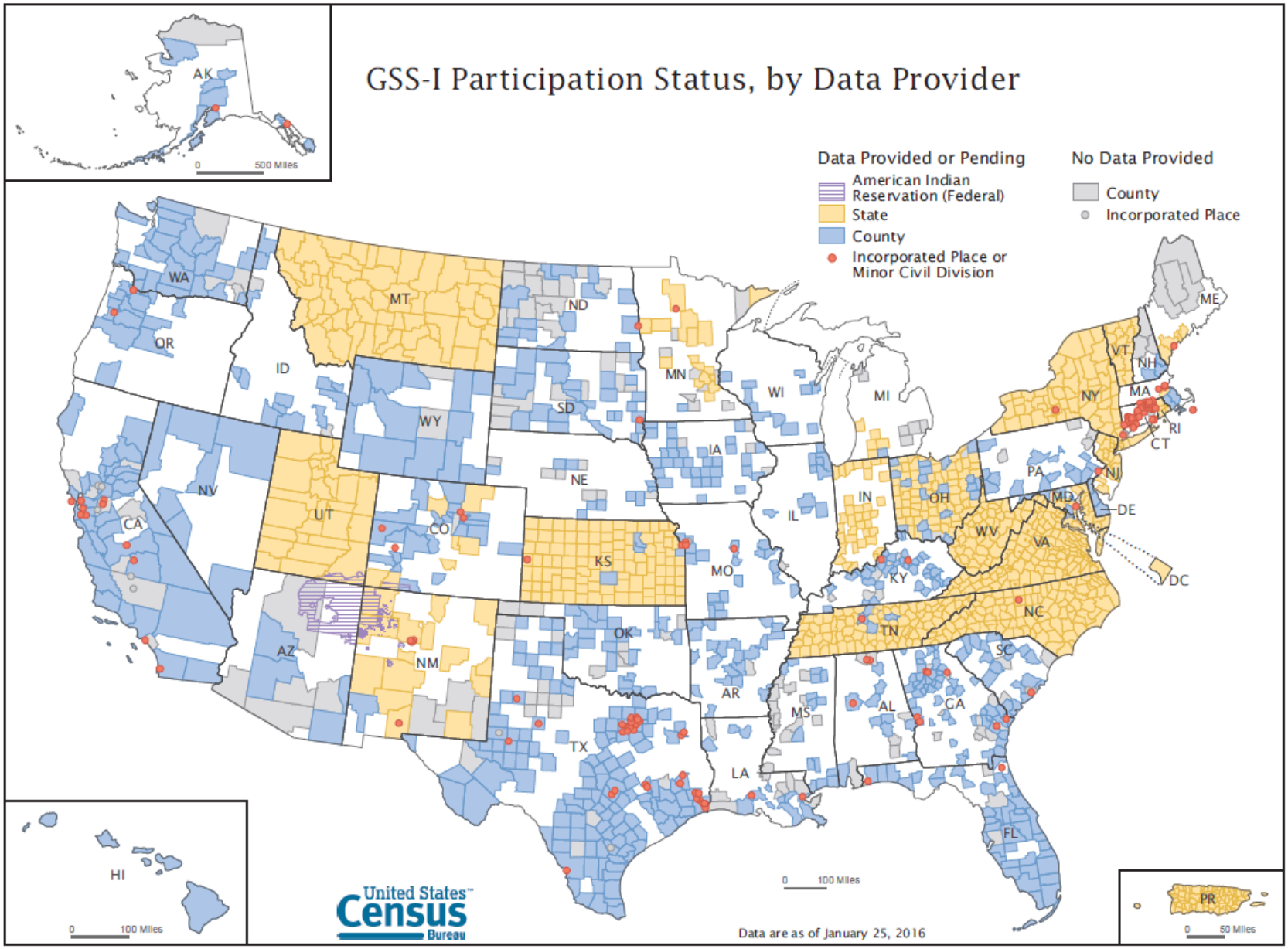
Geographic Support System

Opportunity to submit addresses and spatial data to Census Bureau

Goal: Add new addresses to the Master Address File (MAF), new streets to TIGER, and resolve address and spatial inconsistencies

- Must meet minimum Address Guidelines
- After acquiring partner data, perform content verification to determine usability
- Crosswalk, standardize, match, and geocode partner addresses and structure points using Master Address File
- Match street centerline data to ID differences, calculate spatial accuracy (CE95 method) of partner data using GPS control points

Data Content Guidelines



Prepared by the Geography Division, U.S. Census Bureau

Boundary & Annexation Survey

Legal Boundaries in Effect on January 1

- Annual Survey to collect legal Boundaries in effect on January 1 of the BAS year
- Boundaries are used to tabulate data for
  - Decennial Census (year ending in 0)
  - Economic Censuses (years ending in 2, 7)
  - Population Estimates Program (annually)
  - American Community Survey (annually)
- Survey sent starting in December, Materials available
  (BAS 2017 survey sent in December 2016)

Boundary & Annexation Survey

Deadlines & Participation Options

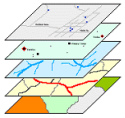
Deadlines:

March 1 of Survey Year: updates reflected in American Community Survey (ACS) and Population Estimates Program (PEP)

May 31 of Survey Year: updates reflected in the following year's BAS

Participation Options:

GUPS (Geographic Update Partnership Software)



Digital (Commercial GIS)

Paper Maps

Boundary & Annexation Survey

Coordination with Redistricting

- As part of 2020 Redistricting Data Program, State RDP Liaisons may submit boundary updates in Phase 1 (BBSP) & Phase 2 (VTD*)* *new for 2020*

- Census BAS staff coordinates any RDP-submitted updates with local BAS official for the jurisdiction

- More info on 2020 Redistricting Data Program:
  https://www.census.gov/rdo/

BAS Consolidation*

by the State or a County Government

State-Level BAS consolidation:

- Appropriate where state law dictates that all governments within the state must provide legal changes to a state office

- Census Bureau and State enter into Memorandum of Understanding

County-Level BAS Consolidation:

- County responds to BAS for governments within the county (entities must agree)
- Not all entities have to participate for County to enact County consolidated BAS

*Consolidation can eliminate duplication of effort, save $$, ensure boundary changes are being reported, contributes to the NSDI
(Census Bureau is boundary steward under OMB Circular A-16)

Good Opportunity to Update Boundaries before LUCA!

Census Bureau Geographic Partnership Tools

GUPS: Geographic Update Partnership Software

- Self-contained GIS software based on QGIS that allows partners with or without GIS software to digitally participate in Census geographic programs, including address updates
- Includes built-in tools and verification checks to ensure your data output adheres to program criteria and is formatted correctly so it can be accepted and processed by Census

Supports these Geographic Partnership Programs:

RDP Redistricting Data Program
LUCA Local Update of Census Addresses
PSAP Participant Statistical Areas Program
SDRP School District Review Program

BAS Boundary & Annexation Survey
PUMA Public Use Microdata Areas
TAZ/TAD Traffic Analysis Zones/Traffic Analysis Districts
CQR Count Question Resolution

The 2020 Census

Key Geographic Partnership Dates

2017

LUCA Advance Notice sent to Highest Elected Officials – **January**
BAS 2017 deadline to be included in ACS, **March 1**
BAS 2017 deadline for updates to be included in next year's BAS – **May 31**:
LUCA Invitation to review Master Address File –July 2017
BAS 2018 – annual invitation to update legal boundaries - **December**

2018

LUCA materials available for review- **February** 120 days ~ 4 Months
PSAP materials available for review -**December** 120 days
BAS schedule repeated as above

2019

LUCA Feedback provided to participants - August
LUCA Appeals Process - October
PSAP Verification materials available for review- Fall/Winter
BAS schedule repeated as above

2020

Boundary Validation Program maps sent to HEO/Tribal Chair -**January**
Census Day – April 1, 2020
Apportionment Counts to the President- by December 31, 2020
BAS schedule repeated as above

2021

Redistricting Counts to the State- by March 31, 2021
Statistical Areas become official – April 1
BAS schedule repeated as above

TAKEAWAYS

Review your 2017 BAS Boundaries in advance of the LUCA Operation and *respond*

LUCA provides only those addresses **inside** your jurisdiction's boundaries, so if the boundaries are incorrect, you may not see your entire address list

Get your local address list in shape for LUCA:

Determine unit designations for multi-unit buildings; residential vs. commercial/industrial addresses; geocode to current 2010 Census Tract/block, See https://geocoding.geo.census.gov/

Questions
Comments