

**2020 Census
Local Update of Census Addresses
Operation (LUCA)**

Atlanta Regional Office
Managing Census Operations in:
AL, FL, GA, LA, MS, NC, SC

Promotion-Why_SC

United States Census Bureau
U.S. Department of Commerce
Economic and Statistics Administration
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United States Census 2020

Agenda

- 2020 Census Overview
- What is LUCA?
- LUCA Confidentiality and Security
- Statewide LUCA Participation in 2010
- Other Census Geography Programs (BAS, PSAP)
- LUCA Participation Media Options (GUPS, Digital, Paper)
- Preparing For The 120 Day Review Period

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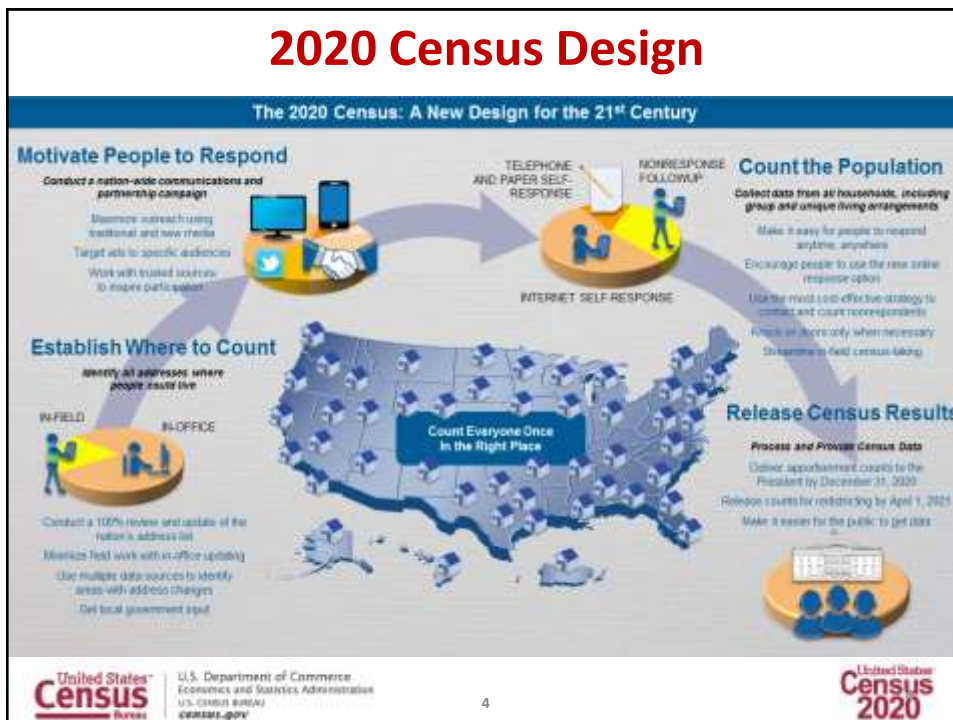
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United States Census 2020

Why allocate your limited resources to Census programs?

- **Political Power:**
 - Census is constitutionally mandated for re-apportionment of Congress.
 - Census results are used for Redistricting at national, state, and local levels.
- **Informed Planning:**
 - Federal, tribal, state and local use governments use Census data in their community planning and regional development.
 - Businesses and non-profits use Census statistics in their organizational decisions (e.g., where to locate, size of market, etc.)
- **Money/Economic Impact:**
 - \$400 Billion/year is distributed using Census numbers (\$4 Trillion over the decade).

2020 Census Design



What is the Local Update of Census Addresses Operation (LUCA)?

- Authorized by the [Census Address List Improvement Act of 1994 \(Public Law 103-430\)](#).
- 2020 Decennial Census voluntary geographic partnership operation.
- The one and only opportunity for tribal, state, and local governments to review and update the Census Bureau's Address List for residential addresses and group quarters.

Why LUCA Is A Critical Component For An Accurate 2020 Census

- Before we count people, we need an accurate list of the living quarters where we need to count them.
- LUCA improves the Census Bureau's Address List.
- Local Governments are almost always the best source of address data (GIS, E911, Property Tax Assessors, and/or Utility Services, etc...).
- The accuracy and completeness of the address list is critical to the success of the Census.
- An accurate Address List leads to an accurate Population Count.

The 2020 Census Local Update of Census Addresses (LUCA) Operation

What is LUCA?
LUCA is the only opportunity offered to tribal, state, territorial governments to review and comment on the U.S. Census Bureau's residential address list for their jurisdiction prior to the 2020 Census. The Census Bureau relies on a complete and accurate address list to reach every living quarter and recommend programs to improve the census.

Who participates in LUCA?
- To help correct inaccurate data/information about your community
- To help the federal government distribute more than \$200 billion in funds annually for infrastructure, programs, and services
- To help your community plan for future needs.

Who can participate in LUCA?
Tribes, territorial, local governments can participate in LUCA. These include:
- Federally recognized tribes with reservations under all reservation trust lands.
- States.
- Counties.
- Other incorporated places.
- Territorial governments.

There are limits to participation in LUCA, including geographic area, which varies by your government, such as your county, state, tribal territory, or territorial planning agency.

Timeline:
- January 2017: Address list/updates of LUCA mailed to the highest priority tribe, Puerto Rico (Puerto Rico), and other governments with LUCA contracts.
- March 2017: LUCA period ends for all jurisdictions.
- July 2017: Invitation letter and registration forms mailed to the eligible 175 jurisdictions.
- October 2017: Survey assistance begins. Self-identifying only and responses will be included into the LUCA database.
- February 2018: Participation materials (address list) mailed to participants. Participants have 120 calendar days from the receipt of materials to complete their forms.
- August 2018: Feedback materials mailed to participants with the results of address corrections.
- April 1, 2020: Census Day.

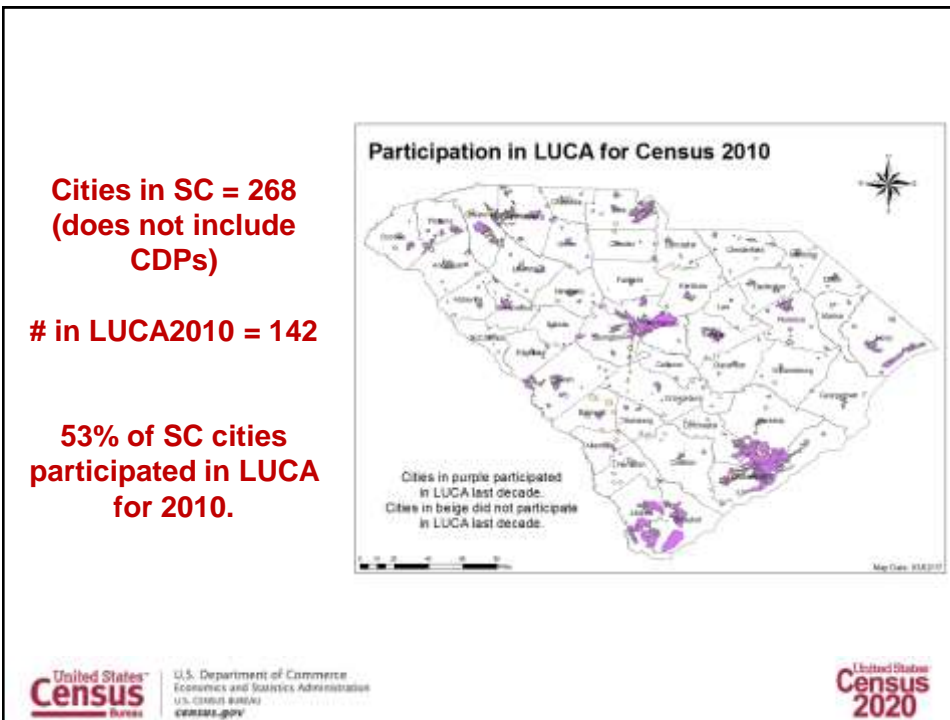
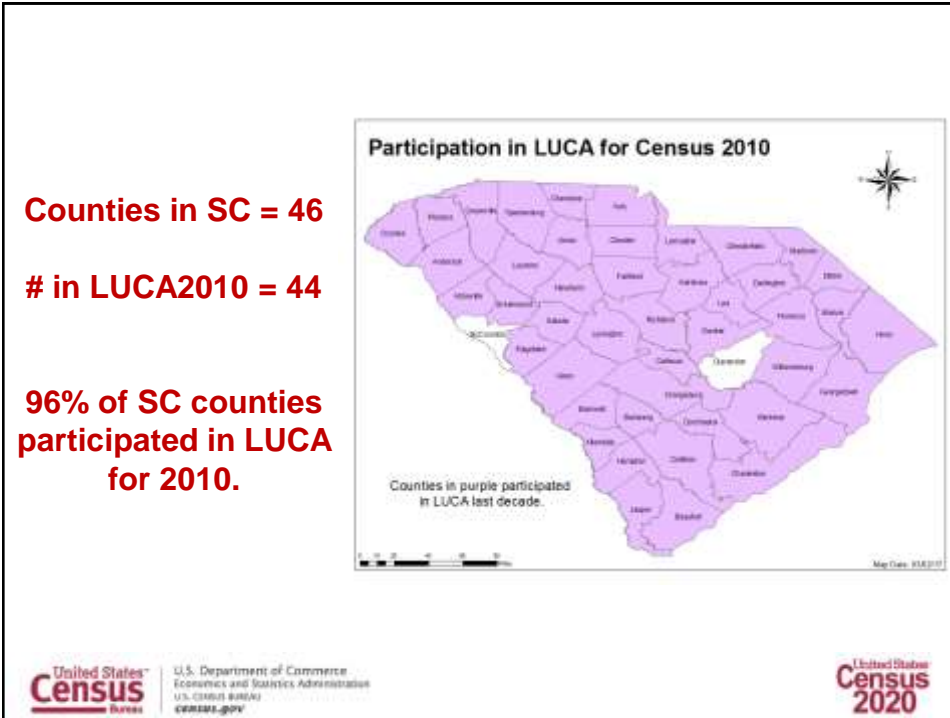
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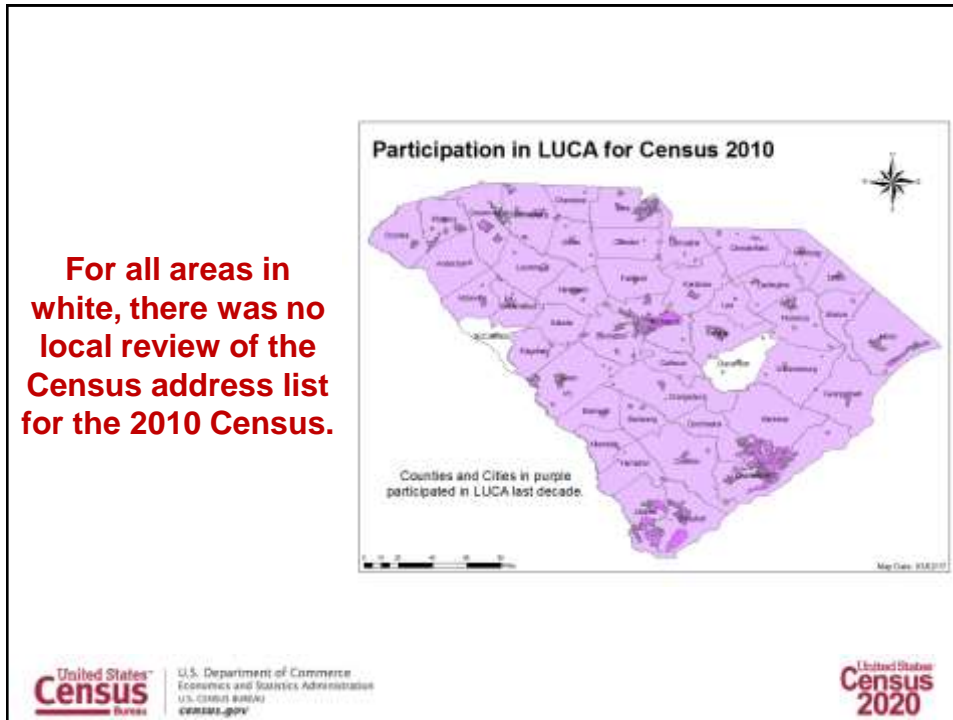
What's New for LUCA 2020

- **Includes** ungeocoded address records for state and county participants.
- **Includes** residential structure coordinates, if available.
- **Allows** participants to submit residential structure coordinates, if available.
- **Allows** participants to submit non-city style addresses with corresponding map spots.
- **Requires** residential multi-unit structure identifiers (Apt 1, Unit A2, Lot 17, #3001, etc.)

Confidentiality and Security

- The information provided to/from LUCA is covered under Title 13 of the United States Code which:
 - Requires the Census Bureau maintain the confidentiality of all information it collects.
 - Requires the Census Bureau to ensure confidential treatment of census-related information, **including individual addresses and map structure points.**
 - Requires that all LUCA liaisons, LUCA reviewers, and anyone with access to Title 13 materials abide by the Confidentiality and Security Guidelines.
 - Requires **certification of return or destruction of Title 13 data after LUCA ends.**





Boundary and Annexation Survey (BAS)



If the Census place boundary (**blue**) is not corrected to aligned with the accurate locally-sourced place boundary (**red**) and parcels (**black**), housing units may be misallocated.



Annual BAS Schedule:

- December/January – program information sent to participants
- January 1 – Date that Annexations must be legally in effect
- March 1 – submission deadline for Population Estimates program and ACS
- May 31** – submission deadline for changes to be included in subsequent BAS materials *and in the 2020 LUCA materials.*

2020 Participant Statistical Areas Program (PSAP)

An opportunity for designated representatives to review and update statistical geographies for 2020 Census data tabulation.

- Coordinating agencies can review, identify, propose changes, and delineate new census tracts, block groups, census designated places (CDPs), and census county divisions (CCDs).
- 2 Phases:
 - Delineation (120-day review)
 - Verification (90-day review)

2020 Participant Statistical Areas Program (PSAP) Participation Options & Schedule

Standard Statistical Geographies:



GUPS
Geographic Update Partnership Software

Tribal Statistical Geographies:



GUPS
or



Paper Maps

Tentative Schedule:

- Program Invitation – July 2017
- Materials Available – December 2018
- PSAP Verification – December 2019

LUCA Timeline

- January 2017: Advance notification for LUCA mailed.
- April 2017: LUCA promotional trainings begin.
- July 2017: Invitation letter and registration forms mailed. We recommend registering before the end of August.
- October 2017: Technical training workshops begin.
- February 2018: Participation materials mailed to registered participants (**120 day clock begins upon receipt**). This is the time technical staff needs to be available. We recommend that you plan now to ensure adequate budget and resource availability during this time period.
- August 2019: Feedback materials sent to participants and the 30 day appeals process begins.
- April 1, 2020: Census Day.

Preparing For LUCA 120 Day Review Period

- Participate in the 2017 Boundary and Annexation Survey (BAS) to ensure your jurisdiction's boundaries are accurate and up to date prior to LUCA.
- Develop your address review strategy and determine team of reviewers – ***Estimates are between 16 to 672 hours to complete the address review and submit updates.***
- Coordinate your partnership with overlapping and neighboring county, city, and state governments.
- Determine, assemble, and prepare your local address sources.
- Determine the format for your LUCA materials.
- Geocode your local address list using the on-line Census Geocoder.
- **Access the Census Address Block Count List for your jurisdiction** online and compare these counts to your local sources.

Preparation – Address List Formats

- Paper
 - Available to governments with 6,000 or fewer addresses.
 - Legal size (8.5" x 14") – 6 addresses per page.
 - Two sorts:
 - Street Name/House Number.
 - Census Tract number/Block number/Street Name/House Number.
 - Separate 'Add Page'
- Digital
 - Available to all governments.
 - Excel (.xlsx) or Comma Delimited Text (.csv) format.
 - No separate 'Add Page'.



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Paper - Address List

ADDRESS LIST
2020 LOCAL UPDATE OF CENSUS ADDRESSES OPERATION (LCAO)

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1 Line Number	2 MAF#	3 Action Code	4 Census Tract/Block Number			5 100 Flag	6 100 Complete Street Name			7 100 House Number	8 100 City	9 100 State	10 100 Zip	11 100 Zip+4	12 100 City/State/Zip	13 100 City/State/Zip	14 100 City/State/Zip	
			100 Tract	100 Block	100 House		100 Street Name	100 House Number										
01	00000001		00000	00000	0000	000	ADDRESS OF			00001								
02	00000002		00000	00000	0000	000	ADDRESS OF			00001								
03	00000003		00000	00000	0000	000	ADDRESS OF			00001								
04	00000004		00000	00000	0000	000	ADDRESS OF			00001								
05	00000005		00000	00000	0000	000	ADDRESS OF			00001								
06	00000006		00000	00000	0000	000	ADDRESS OF			00001								
07	00000007		00000	00000	0000	000	ADDRESS OF			00001								
08	00000008		00000	00000	0000	000	ADDRESS OF			00001								
09	00000009		00000	00000	0000	000	ADDRESS OF			00001								
10	00000010		00000	00000	0000	000	ADDRESS OF			00001								

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Paper – Address List Add Page

Form 10-2008 (10-10-2016) (Made in accordance with 50 CFR 1.200)

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ADDRESS LIST ADD PAGE
2020 LOCAL UPDATE OF CENSUS ADDRESSES OPERATION (LUCA)

Page: _____ of _____ Pages
State of Property: (Print Name)
Date Completed: (MM/DD/YYYY)

Add Page For: _____ Entity ID Code: _____ (Copy from Address List Page)

1 Line #	2 Census Geographic Location of Address				3 Enter "Y" if this is a Street/Quarters	4a Complete Address Number	5 Residential Address			6 Uninc. Mail Spot Number	7 Address Use, if Mailing Location Both
	2a State Code Number	2b County Code Number	2c Census Tract Number	2d Census Block Number			4b Complete Street Name	4c Street/Quarters Name	4d Facility Name		

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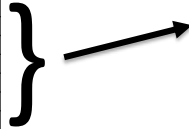
Address List Layout

LUCA 2010 – 26 Fields

Entity ID
Line #
MAFID
Action
State
County
Tract
Block
GQ Flag
House Number
Street Name Prefix Qualifier
Street Name Prefix Direction
Street Name Prefix Type
Street Name
Street Name Suffix Type
Street Name Suffix Direction
Street Name Suffix Qualifier
Location Description or GQ Name
Apartment/Unit Number
ZIP Code
Noncity-Style Mailing Address
Noncity-Style ZIP Code
Structure Point
Latitude
Longitude
City-Style Flag

LUCA 2020 – 24 Fields

Line #
MAFID
Action
Entity ID
State
County
Tract
Block
GEO ID
GQ Flag
House Number
Street Name
Apartment/Unit #
ZIP Code
GQ Name
Facility Name
Location Description
Noncity-Style Mailing Address
Noncity-Style ZIP Code
Mapspot ID
Address Use
Latitude
Longitude
City-Style Flag



Map Media types

- **Electronic Map Media**
 - Maps are provided as TIGER partnership shapefiles
- **Paper Map Media**
 - Large format paper map(s) (36" X 42") along with a DVD of small format (8.5" X 14") block maps in Adobe PDF format



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Geographic Update Partnership Software (GUPS)



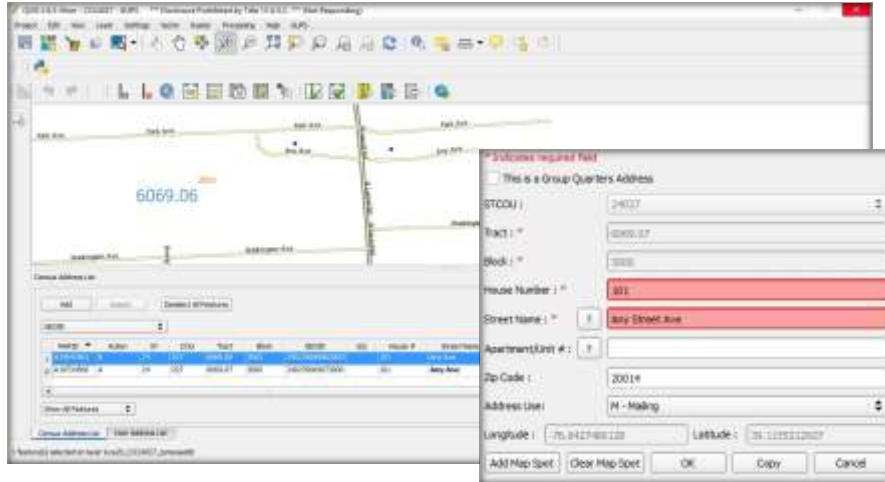
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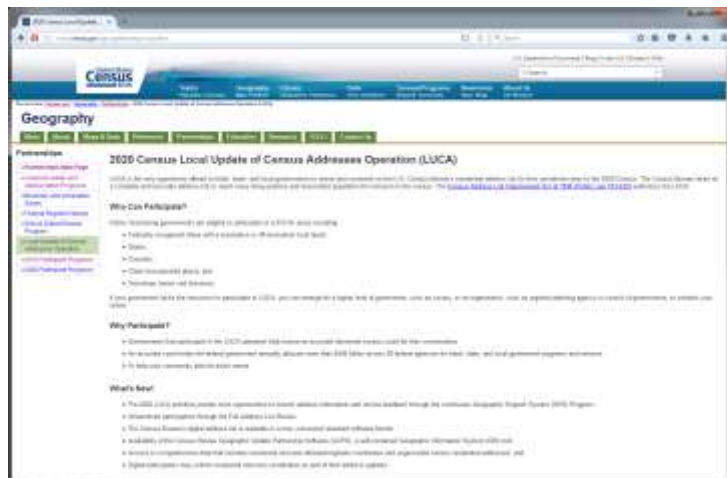
Geographic Update Partnership Software (GUPS)



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<http://www.census.gov/geo/partnerships/luca.html>
(check this website for updates)



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2020 Census LUCA

Questions?

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