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2010 CENSUS PLANNING MEMORANDA SERIES

No. 199 (Reissue)

MEMORANDUM FOR The Distribution List

From: Burton Reist *[signed]*
Acting Chief, Decennial Management Division

Subject: 2010 Census Local Update of Census Addresses Assessment Report

Attached is the revised 2010 Census Local Update of Census Addresses (LUCA) Assessment Report. The revised version includes corrections to Table 67 (column headings and numbers), Table 68 (numbers and percentages), and Table 69 (call types, numbers and percentages) for the Help Desk and Regional Census Center (RCC) phone calls. The original version included tables that contained numbers for the feedback phase of the 2010 Census Local Update of Census Addresses Program only, rather than for the entire program. Therefore, the overall totals for the tables were affected by this correction.

If you have any questions about this document, please contact Rebecca Swartz at (301) 763-8952.

Attachment

August 30, 2012

2010 Census Local Update of Census Addresses Assessment

U.S. Census Bureau standards and quality process procedures were applied throughout the creation of this report.

FINAL REPORT

Rebecca Swartz, Peter Virgile, and Brian Timko
Geography Division

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EXECUTIVE SUMMARY

The Local Update of Census Addresses Program was an integral part of the 2010 Census activities that utilized the expertise of tribal, state, and local governments to improve the accuracy and completeness of the Master Address File, the Census Bureau's national living quarters inventory. The Master Address File served as the basis for the address list used to take the 2010 Census.

After the passage of the Census Address List Improvement Act of 1994, Census 2000 was the first opportunity to participate in the Local Update of Census Addresses Program for tribal and local governments. The Census 2000 program consisted of two phases. The Local Update of Census Addresses Program 98 included the Mailout/Mailback enumeration areas while the Local Update of Census Addresses Program 99 included the Update Enumerate enumeration areas. Participants in both of the phases could appeal address results.

Due to the cancellation of the Local Update of Census Addresses Program from the 2004 and 2006 Census Tests, a survey of governments eligible for the 2010 program was conducted to determine the preference and interest in proposed changes to the program. In addition, a state-level participation pilot program in 2006 determined the feasibility of state level participation.

The Local Update of Census Addresses Program was a part of the 2008 Census Dress Rehearsal with 44 of the 62 eligible governments participating. There were no address appeals for the Local Update of Census Addresses Program Dress Rehearsal.

Based on the results of these and other surveys and evaluations throughout the past decade, several changes and improvements were made to the 2010 Census Local Update of Census Addresses Program. The Census Bureau:

- Combined the two separate Census 2000 Local Update of Census Addresses Program phases into one review cycle for all address types
- Expanded the review time for participants from 90 days to 120 days
- Provided more advance notice of the pending Local Update of Census Addresses Program
- Initiated comprehensive program communications with participants
- Provided participants the opportunity to use the Census Bureau supplied Master Address File/Topologically Integrated Geographic Encoding and Referencing Partnership Software application
- Invited states to participate in the program
- Provided the choice of one of the following three participation options:
  1) Option 1 – Title 13 Full Address List Review
     - Required to sign Title 13 Confidentiality Agreement
     - Received the Census Address List and Address Count List for review
     - Could provide updates to the Census Address List and/or challenge census block counts

    - Received address list feedback and could appeal addresses
  2) Option 2 – Title 13 Local Address List Submission
    - Required to sign Title 13 Confidentiality Agreement
    - Received the Census Address List and Address Count List for reference only
    - Submitted local address list of city-style addresses only
    - Received address list feedback and could appeal addresses
  3) Option 3 – Non-Title 13 Local Address List Submission
    - Not required to sign Title 13 Confidentiality Agreement (did not receive the Census Address List)
    - Received the Address Count List for reference only
    - Submitted local address list of city-style addresses only
    - Received a feedback address summary report and could not appeal addresses
- All participants received census maps and could provide feature and boundary updates

In August 2007, the Census Bureau began mailing the invitation and registration materials to eligible governments formally inviting them to participate in the 2010 Census Local Update of Census Addresses Program. Of the total 39,329 governments invited, 11,500 or 29.2 percent, registered for participation. After the dropout phase ended in September 2008, 10,835 active participants remained in the program.

Taking into consideration the various computer resources and skills available to local governments, the Census Bureau offered five media combinations that participants could select from, including:

- paper address list (Option 1 only) and paper map
- paper address list and shapefile
- computer-readable address list and paper map
- computer-readable address list and shapefile
- the Master Address File/Topologically Integrated Geographic Encoding and Referencing Partnership Software

Due to the volume of paper necessary to create the paper address list, this media type was restricted to Option 1 participants with 6,000 addresses or less. Option 2 and Option 3 participants were required to submit their computer-readable local address lists of city-style residential addresses only.

In addition to providing maps for geocoding address updates, all participants could provide feature and legal boundary updates using the map media they selected including paper maps, shapefiles, or the Master Address File/Topologically Integrated Geographic Encoding and Referencing Partnership Software.

Option 1 participants used action codes to update city-style residential addresses in their review of the census address list. The action codes included "A" to add addresses, "C" to change or correct addresses, "D" to delete addresses, "J" to identify addresses not within their jurisdiction, and "N" to identify nonresidential addresses.

Following the Address Canvassing Operation, the Census Bureau mailed the 2010 Census Local Update of Census Addresses Feedback materials to participants for review. These feedback materials reflected the results of the Address Canvassing Operation. Option 1 and Option 2 participants received:

- Full Address List - contained all of the valid 2010 Census addresses in the Master Address File/Topologically Integrated Geographic Encoding and Referencing database for their jurisdictions
- Full Address Count List - contained the valid census address counts for each census block within their jurisdictions
- Detailed Feedback Address List - contained each address record update submitted by the participant with a processing code that identified a specific action taken by the Census Bureau
- Detailed Feedback Address Count Challenge List - showed the pre and post Address Canvassing address counts for each census block within their jurisdiction and for Option 1, contained the address counts for those blocks that they challenged

All options received the Feedback Address Update Summary Report that contained tallies of actions taken for all of the addresses they submitted and either paper maps or shapefiles that included any feature or legal boundary updates they submitted or that Address Canvassing updated.

Option 1 and Option 2 participants had the opportunity to submit address appeals to the Local Update of Census Addresses Appeals Staff. The Local Update of Census Addresses Appeals Staff administered the address appeals. This staff was an independent, temporary Federal entity set up by the Office of Management and Budget to administer the appeals process. The Census Address List Improvement Act of 1994 requires that the Administrator of Office of Management and Budget's Office of Information and Regulatory Affairs, acting through the Chief Statistician and in consultation with the Census Bureau, develop an Appeals Process to resolve any disagreements that may remain after participating governments receive the Census Bureau's Local Update of Census Addresses feedback materials. Since Option 3 participants did not receive or review the census address list, they were not eligible to file address appeals.

Local Update of Census Addresses addresses verified in Address Canvassing were included in the initial enumeration universe. Local Update of Census Addresses addresses that did not return a census questionnaire were enumerated via the Nonresponse Followup operation. Addresses deleted or found vacant during Nonresponse Followup were forwarded to the Nonresponse Followup Vacant Delete Check operation.

For successfully appealed addresses that could not be included in the initial enumeration universe, the Census Bureau initiated a late mailout of census questionnaires. Those appealed

addresses that did not respond to the late mailout or were not included in the late mailout were included the Nonresponse Followup Vacant Delete Check operation.

This assessment documents the results of the 2010 Census Local Update of Census Addresses Program by answering the high-level and sub-questions as presented in the *2010 Census Study Plan for the Local Update of Census Addresses Program Assessment*. The following section provides the results of the high-level research questions.

1. **How many eligible governments were invited and registered to participate in the 2010 Census Local Update of Census Addresses Program?**
   - 39,329 eligible governments were invited
   - 11,500 or 29.2 percent registered for participation

2. **How many eligible governments were invited but did not register to participate in the 2010 Census Local Update of Census Addresses Program?**
   - 27,829 or 70.8 percent did not register for the program

3. **What were the option choices of the registered participants and what were their media selections?**

   Of the total 11,500 registered governments:
   - Option 1 – 9,110 or 79.2 percent of registered governments selected Option 1
     - 3,601 or 39.5 percent of Option 1 participants selected paper address list and paper maps
     - 2,095 or 23.0 percent of Option 1 participants selected computer-readable address list/paper maps
     - 1,751 or 19.2 percent of Option 1 participants selected the Master Address File/Topologically Integrated Geographic Encoding and Referencing Partnership Software
     - 1,464 or 16.1 percent of Option 1 participants selected computer-readable address list/shapefile
     - 199 or 2.2 percent of Option 1 participants selected paper address list/shapefile
   - Option 2 – 1,530 or 13.3 percent of registered governments selected Option 2
     - 776 or 50.7 percent of Option 2 participants selected computer-readable address list/shapefile
     - 504 or 32.9 percent of Option 2 participants selected computer-readable address list/paper maps
     - 250 or 16.3 percent of Option 2 participants selected the Master Address File/Topologically Integrated Geographic Encoding and Referencing Partnership Software

- Option 3 – 860 or 7.5 percent of registered governments selected Option 3
  - 513 or 59.7 percent of Option 3 participants selected computer-readable address count list/paper maps
  - 222 or 25.8 percent of Option 3 participants selected computer-readable address count list/shapefile
  - 125 or 14.5 percent of Option 3 participants selected the Master Address File/Topologically Integrated Geographic Encoding and Referencing Partnership Software

4. How many participants changed option and/or media type after the receipt of their first chosen option and/or media?

- 208 participants changed their original map media type selection
- 130 participants changed their original address media type selection
- 71 participants changed their original option selection

5. How many participants submitted updated and usable address and/or spatial returns?

- 8,513 participants submitted address and/or spatial returns
  - 8,189 or 96.2 percent of the participants submitted updates, 8,186 were usable after Regional Office/Regional Census Center editing
    - 2,950 or 36.0 percent of the participants submitted address updates only
    - 545 or 6.7 percent of the participants submitted spatial updates only
    - 4,691 or 57.3 percent of the participants submitted address and spatial updates

6. What were the characteristics of the address list returns?

- 7,514 address lists were returned with updates (includes all options address list returns)
- 6,231 Option 1 address lists were returned with action codes
  - 35 Option 1 address lists contained only one action code or one additional address
  - 118 Option 1 address count lists were returned with valid block challenges
  - 910 Option 1 address lists contained both address list action(s) and valid block challenges
  - 5,168 Option 1 address list contained multiple action codes

7. What were the characteristics of the spatial returns?

- Of the 5,237 spatial update returns:
  - 3,369 or 64.3 percent contained feature updates only
  - 466 or 8.9 percent contained Boundary and Annexation Survey updates only

- 1,402 or 26.8 percent contained both feature and Boundary and Annexation Survey updates

8. What are the characteristics of the participants that did not return address updates or block challenges?

At the end of the address list review period, participants that received materials but did not provide updates, did not return the address materials, or did not inform the Census Bureau of a decision to drop out of the program, received a closeout letter indicating that their allotted review period had passed. Included in a checklist of reasons for not returning materials, participants were asked if they had reviewed the address materials and agreed with the Census Bureau's initial address list and/or address count. Those that responded that they agreed with the address products ("a" responders) received a second letter asking if they wished to receive feedback materials for their review.

- Of the 2,958 letters mailed:
  - 2,368 or 80.1 percent responded
    - 601 or 25.4 percent responded "a" they agreed with the Census Bureau's address products
      - 406 or 67.6 percent of the respondents requested feedback materials
    - 1,767 or 74.6 percent of the respondents provided reason(s) for not returning address materials

9. How many usable government address files did Geography Division process, and what are the processing results and characteristics of the address records?

- 7,514 address files were submitted and processed:
  - 22 State address files were submitted and processed
  - 37 federal American Indian Reservation address files were submitted and processed
  - 1,077 County address files were submitted and processed
  - 4,755 Place address files were submitted and processed
  - 1,623 Minor Civil Division address files were submitted and processed

10. What are the address record processing results summed to state and nationally to federal American Indian Reservations?

- There were 1,919 address and spatial files returned by participating states:
  - 1,264,330 address records were received from participating states
    - 1,2658,879 address records received from participating states were processed
- There were 52 address and spatial files returned by participating federal American Indian Reservations:

- 17,729 address records were received from participating federal American Indian Reservations
  - 17,616 address records were processed

11. What are the address record processing results summed to government type, housing unit count, media type, and option?

- 41,847,177 – address records were received
  - 160,935 – address records were rejected
- 41,686,242 – address records were processed
  - 9,314,969 – new adds to the Master Address File/Topologically Integrated Geographic Encoding and Referencing database
  - 24,576,735 – merged with existing active Master Address File/Topologically Integrated Geographic Encoding and Referencing database records
  - 4,499,926 – merged with existing deleted Master Address File/Topologically Integrated Geographic Encoding and Referencing database records which otherwise would not have been included in the Address Canvassing Operation
  - 3,294,612 – Option 1 processed with action codes ("C" – correct or change an address, "D" – delete an address, "J" – out of jurisdiction address, "N" – nonresidential address)

Group Quarters

- 54,305 – Group Quarters new adds to the Master Address File/Topologically Integrated Geographic Encoding and Referencing database
- 94,281 – Group Quarters merged with existing active Master Address File/Topologically Integrated Geographic Encoding and Referencing database records
- 4,856 – Group Quarters merged with existing deleted Master Address File/Topologically Integrated Geographic Encoding and Referencing database records which otherwise would not have been included in the Address Canvassing Operation

Merged and Ungeocoded

- 2,035,991 – address records submitted by participants were merged with other Local Update of Census Addresses records
- 4,499,926 – ungeocoded address records in the Master Address File/Topologically Integrated Geographic Encoding and Referencing database were geocoded by participants

12. Were participant address actions focused on specific blocks or were they dispersed over the entire jurisdiction?

Data compilation to answer this question in order to achieve a sufficient level of accuracy is infeasible. One method of assessing these data would be to map individual participant submissions in order to evaluate how address updates were dispersed throughout a

jurisdiction as a whole. However, a number of assumptions would be necessary to draw any conclusions. For instance, in a block with no updates did the participant focus on another area of their jurisdiction or was the census address list correct for that block? As such, we cannot sufficiently answer this question.

13. How many participant address actions were for single housing units? How many were for multi-unit structures?

- 31,336,078 – address actions were for single housing units
- 8,479,675 – address actions were for multi-unit structures

14. What were the detailed processing results for block challenges by Option 1 participants?

- 100,368 – Option 1 submissions were processed with usable block challenges

15. What is the number and percent of Local Update of Census Addresses added and matched to existing addresses for each Type of Enumeration Area?

- 38,391,618 – total added and matched to existing addresses for all Types of Enumeration Areas[1]
  - 35,659,622 – Mailout/Mailback
  - 1,473,546 – Update/Leave
  - 374,318 – Update/Enumerate
  - 30,860 – Military
  - 853,272 – Urban Update/Leave

16. Of the total addresses submitted by Local Update of Census Addresses participants and processed by the Census Bureau, how many address updates were (*sent to be*) field verified during the Address Canvassing Operation?

- 40,062,395 – addresses were field verified
  - 8,566,878 – addresses did not exist, duplicate, or nonresidential
  - 31,495,517 – addresses were confirmed
  - 4,983,921 – addresses were found in a different form/different block

17. Of the total number of Local Update of Census Addresses participants, how many received feedback materials for each option by government type and housing unit count?

- 8,476 participants received feedback materials
  - Option 1 – 6,897

[1] See Attachment A for a detailed description of each Type of Enumeration Area

  - Option 2 – 1,022
  - Option 3 – 557
- Government type
  - State – 24
  - Federal American Indian Reservation – 59
  - County – 1,201
  - Place – 5,308
  - Minor Civil Division – 1,884
- Government size (Housing Unit count)
  - 1,000 or fewer – 3,016
  - 1,001 to 6,000 – 2,820
  - 6,001 to 50,000 – 2,138
  - 50,001 to 100,000 – 238
  - 100,001 to 1,000,000 – 240
  - 1,000,001 or more – 24

18. How many Option 1 addresses submitted by participants and processed by the Census Bureau were identified with each processing code on the Detailed Feedback Address List?

- 9,065,894 – A, included addresses identified by Option 1 participants as existing within their jurisdiction but not on their initial census address list
- 2,235,683 – C, identified addresses corrected or changed by Option 1 participants.
- 628,446 – D, identified addresses deleted by Option 1 participants
- 345,082 – J, identified addresses Option 1 participants submitted as out of jurisdiction addresses
- 33,403 – N, identified addresses Option 1 participants submitted as nonresidential addresses
- 11,575 – R1, identified addresses submitted by Option 1 participants without an action code or did not contain an action with a value equal to A, C, D, J, or N
- 11,557 – R2, identified noncity-style addresses submitted by Option 1 participants
- 7,174,426 – X1, identified addresses that were on the Option 1 participants' initial address lists, but were deleted during the Address Canvassing Operation
  - 561,372 – X1 addresses were appealed by Option 1 participants

19. How many Option 2 address records submitted by participants and processed by the Census Bureau were assigned each processing code on the Detailed Feedback Address List?

- 24,192,180 – A, all Option 2 submitted city-style addresses received an "A" processing code
- 272 – R2, identified noncity-style addresses submitted by Option 2 participants
- 3,812,717 – X1, identified addresses that were on the Option 2 participants' initial address list, but were deleted during the Address Canvassing Operation
    - 99,427 – X1 addresses were appealed by Option 2 participants

20. How many Option 3 address records were submitted by participants and processed by the Census Bureau?

- 5,227,825 – address records were submitted by Option 3 participants
- 4,181,068 – address records submitted by Option 3 participants were confirmed in Address Canvassing

21. How many blocks were challenged by Option 1 participants?

- 1,028 – files submitted by Option 1 participants with block challenges
- 100,368 – blocks were challenged by Option 1 participants
- 27,206 – blocks were nullified because the entity also updated addresses in the challenged block

22. How many addresses were listed on the Full Address List compared to the Initial Address List?

- 149,436,030 – addresses were listed on the Initial Address List
- 156,817,638 – addresses were listed on the Full Address List

23. How many addresses were identified by participants as Group Quarters by government type, housing unit count, and option?

- 364,049 – total addresses identified by participants as Group Quarters
- Government type:
    - State – 52,288 addresses identified as Group Quarters
    - Federal American Indian Reservation – 149 addresses identified as Group Quarters
    - County – 118,233 addresses identified as Group Quarters
    - Place – 182,718 addresses identified as Group Quarters
    - Minor Civil Division – 10,661 addresses identified as Group Quarters
- Government size (Housing Unit count):
    - 1,000 or fewer – 3,222 addresses identified as Group Quarters

- 1,001 to 6,000 – 22,147 addresses identified as Group Quarters
- 6,001 to 50,000 – 99,593 addresses identified as Group Quarters
- 50,001 to 100,000 – 40,138 addresses identified as Group Quarters
- 100,001 to 1,000,000 – 124,500 addresses identified as Group Quarters
- 1,000,000 or more – 74,449 addresses identified as Group Quarters

- Option:
  - Option 1 – 153,864 addresses identified as Group Quarters
  - Option 2 – 189,428 addresses identified as Group Quarters
  - Option 3 – 20,757 addresses identified as Group Quarters
- 364,049 – sent to Group Quarters Validation for verification
- 61,119 – verified as Group Quarters in Group Quarters Validation
- 302,645 – identified by participants as Group Quarters but were verified as a Housing Unit, Transient Location, or Nonresidential in Group Quarters Validation

24. Of the total number of appealable addresses, how many were appealed by government type, Housing Unit count, and option (Option 1 and Option 2)?

- 7,587 – governments eligible to file appeals
- 1,796,167 – total addresses appealed
- Government type:
  - State – 230,516 addresses appealed
  - Federal American Indian Reservation – 2,874 addresses appealed
  - County – 779,576 addresses appealed
  - Place – 741,931 addresses appealed
  - Minor Civil Division – 41,270 addresses appealed
- Government size (Housing Unit count):
  - 1,000 or fewer – 17,807 addresses appealed
  - 1,001 to 6,000 – 110,183 addresses appealed
  - 6,001 to 50,000 – 520,833 addresses appealed
  - 50,001 to 100,000 – 209,590 addresses appealed
  - 100,001 to 1,000,000 – 675,974 addresses appealed
  - 1,000,000 or more – 261,780 addresses appealed
- Option:
  - Option 1 – 1,166,615 addresses appealed
  - Option 2 – 629,552 addresses appealed

- 1,634, 497– appealed addresses accepted
- 161,670 – appealed addresses rejected

25. How many Local Update of Census Addresses addresses were included in the Update/Leave Operation, Update/Enumerate Operation, and the Group Quarters Enumeration?

- 1,798,880 – addresses were included in Update/Leave
- 303,542 – addresses were included in Update/Enumerate
- Group Quarters Enumeration unavailable

26. How many Local Update of Census Addresses addresses were included in the Nonresponse Followup operation?

- 65,072 – addresses were included in the Nonresponse Followup operation

27. How many LUCA initial submission or appealed addresses were included in the Nonresponse Followup Vacant Delete Check operation?

- 886,940 – addresses were included in the Nonresponse Followup Vacant Delete Check operation

The Census Bureau initiated a late mailout of census questionnaires for successfully appealed addresses that could not be included in the initial enumeration universe. Those appealed addresses that did not respond to the late mailout or were not included in the late mailout were included in the Nonresponse Followup Vacant Delete Check operation.

- 1,399,467 addresses were included in the late mailout

28. What was the final disposition of Local Update of Census Addresses addresses – found but vacant, found but nonresidential, deleted, enumerated?

- 3,392,016 – addresses were found but vacant
- 11,003 – addresses were found but nonresidential
- 56,666 – addresses were deleted
- 28,715,743 – addresses were enumerated

29. How many phone calls from participants were received by the Help Desk and by the Regional Census Centers and what was the nature of the calls? (Data unavailable for Regional Census Centers phone calls)

- 2,256 – phone calls received by the Help Desk
  - 2,173 – phone calls resolved
  - 83 – phone calls transferred to the Regional Census Centers
- Nature of calls:
  - File Conversion – 946 or 41.9 percent

- Encryption – 324 or 14.4 percent
- Other – 292 or 12.9 percent
- Master Address File/Topologically Integrated Geographic Encoding and Referencing Partnership Software Procedures – 248 or 11.0 percent
- Transfer: Other – 144 or 6.4 percent
- Transfer: Appeals – 142 or 6.3 percent
- Master Address File/Topologically Integrated Geographic Encoding and Referencing Partnership Software – 94 or 4.2 percent
- Data CD – 30 or 1.3 percent
- Data Procedures – 24 or 1.1 percent
- Maps – 12 or 0.5 percent

30. Based on Lessons Learned discussions, what worked well and what needs improvement?

- In order to identify what worked well for the 2010 Census Local Update of Census Addresses Program and what needs improvement for future Local Update of Census Addresses programs, the Decennial Management Division organized multiple lessons learned sessions with stakeholders from Geography Division, Field Division, and the Technical Help Desk. As a result, the Decennial Management Division compiled a 25-page document of lessons learned. Separated into 19 categories, this document identifies issues and situations as well as potential resolutions and recommendations ("2010 Local Update of Census Addresses Lessons Learned," Local Update of Census Addresses Implementation Team, December 17, 2010).

  A few of the key issues and resolutions identified include:

  - Pipe delimited format – this format proved difficult for a number of the participants. Resolutions are to allow submissions in multiple formats, choose a more common data style, and provide clearer directions on how to use pipe delimited data.
  - Complicated options – simplify the program with fewer options or by contrast keep the program and options consistent so that participants know what to expect.

31. How did baseline start and finish dates compare with actual start and finish dates in the 2010 Master Activity Schedule?

Refer to Attachment D for the more detailed 2010 Master Activity Schedule.

- 136 activities listed
  - 127 – started on time or early
  - 9 – started late
    - 4 – started one to five days later than the baseline date
    - 5 – started more than five days later than the baseline date

- 121 – finished on time or early
- 15 – finished late
  - 3 – finished one to five days later than the baseline date
  - 12 – finished more than five days later than the baseline date

Recommendations

- **Encourage governments at the lowest level to either participate or work with larger governments to consolidate their submission in order to increase the quality of data received for the Local Update of Census Addresses Program.**

- **Communicate and design partnership programs with government size in mind.**

- **Update the Master Address File/Topologically Integrated Geographic Encoding and Referencing database through partnership programs in order to increase the Census Bureau's ability to geocode addresses from the United States Postal Service Delivery Sequence File.**

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1. INTRODUCTION

1.1 Scope

The Local Update of Census Addresses (LUCA) Program was an integral part of the 2010 Census activities that utilized the expertise of tribal, state, and local governments to improve the accuracy and completeness of the Master Address File (MAF), the Census Bureau's national living quarters inventory. The MAF served as the basis for the address list used to take the 2010 Census.

The purpose of this assessment is to document the results of the 2010 Census LUCA Program. This assessment focuses on the following components of the LUCA Program:

1. Invitation and registration
2. Participation
3. Processing of the participant-submitted address and spatial data into the Master Address File/Topologically Integrated Geographic Encoding and Referencing (MAF/TIGER) database (MTdb)
4. Feedback provided to the participants
5. Processing of addresses provided to the U.S. Census Bureau by the 2010 Census LUCA Appeals Staff

In addition, this assessment documents the actions taken on participant-submitted LUCA addresses through various post-LUCA census operations to determine the final status of those addresses for the 2010 Census. Finally, this assessment produces information to assist in implementing address update partnership programs in the future, as well as planning for the 2020 Census.

1.2 Intended Audience

The intended audience for whom this assessment is intended includes the program managers and staffs responsible for planning the 2020 Census.

2. BACKGROUND

The Census Address List Improvement Act of 1994 (Public Law 103-430) authorized the Census Bureau to provide individual addresses to officials of tribal, state, and local governments who agreed to conditions of confidentiality. The Act strengthened the Census Bureau's partnership capabilities with participating governments by expanding the methods by which the Census Bureau could use to exchange address information.

2.1 Census 2000 LUCA

Census 2000 marked the first decennial census for which the Census Bureau could provide its address list to governments that signed the required confidentiality agreement. The Census 2000 LUCA program was divided into two phases. The first phase, LUCA 98, included areas enumerated via mailout/mailback enumeration[2] (Owens, 2003). These areas contained primarily city-style addresses, which the Census Bureau defines as those that have a house number and street name (e.g., 212 Elm Street or 137 Clark Ct., Apt. 316). These addresses are used for mailing or to provide location information for emergency services, such as police, fire, and rescue (E-911 addresses). LUCA 98 participants received the Census Bureau address list for review and could update the address list by adding new addresses not on the census address list, correcting addresses, deleting addresses, identifying nonresidential addresses, and identifying out of jurisdiction addresses.

The second phase, LUCA 99, included areas enumerated via update/leave or update/enumerate operation (Owens, 2002). These areas contain primarily noncity-style addresses, which the Census Bureau defines as those that do not contain a house number and/or a street name. Noncity-style mailing addresses include:

- General delivery
- Rural route and box number
- Highway contract route and box number
- Post office box only delivery

Noncity-style addresses used by the Census Bureau also include location descriptions such as "BRICK HOUSE with ATTACHED GARAGE ON RIGHT," structure points (geographic coordinates), and census geographic codes including state code, county code, census tract number, and census block number.

Since this style of address cannot be matched effectively to addresses in the MAF, LUCA 99 participants received block counts of all residential housing unit addresses within their jurisdiction. These participants could review these counts and provide block count challenges to the Census Bureau for census blocks where address count discrepancies existed rather than provide individual address updates (Owens, 2003). Due to some delays in completing the participant review cycle for LUCA 98 and incorporating the updates into the MAF, LUCA 98 Field Verification was implemented to validate LUCA 98 participant updates in some areas across the country.

Ultimately, LUCA 98 submissions were compared against the results of the Census 2000 Block Canvassing operation or LUCA 98 Field Verification, as appropriate.

[2] See Attachment A for a detailed description of each Type of Enumeration Area (TEA).

Following this process, the Census Bureau provided the LUCA 1998 participants with LUCA 98 Detailed Feedback materials that revealed the results of the comparison between their submitted updates and what census staff found in the field.

LUCA 98 submissions were compared against the results of the Census 2000 Block Canvassing operation, which occurred in early 1999 (Owens, 2002). LUCA 99 submissions were compared against the results of the 2000 Address Listing operation, which occurred in the latter half of 1998. Following this comparison process, both LUCA 98 and 99 participants received detailed feedback explaining discrepancies between their submissions and the results of census fieldwork in the Block Canvassing and Address Listing operations.

Participants in both programs had the option to appeal the results of the Census Bureau's address comparison process. Address appeals were submitted to the Census 2000 LUCA Appeals Office, an independent, temporary Federal entity set up by the Office of Management and Budget (OMB) to administer the appeals process. The Census Address List Improvement Act of 1994 requires that the Administrator of OMB's Office of Information and Regulatory Affairs, acting through the Chief Statistician and in consultation with the Census Bureau, develop an Appeals Process to resolve any disagreements that may remain after participating governments receive the Census Bureau's LUCA feedback materials.

LUCA participants wishing to appeal an address were required to submit proof of the existence of the address in their jurisdiction such as assessor records and certificates of occupancy for recently constructed homes. Appealed addresses approved by the Appeals Office were reinstated into the census process and were sent to the field for enumeration in the Coverage Improvement Followup (CIFU) operation.

2.2 2004/2006 Census Tests

Although LUCA programs were planned for the 2004 and 2006 Census Tests, they were cut due to budgetary constraints (Pfeiffer, 2005) and for the 2006 Census Test, due to "the lack of whole Governmental Units located inside the proposed 2006 Census Test Site boundaries" (Johanson, 2006). Due to the cancellation of the LUCA program from the 2006 Census Test in 2005, the Census Bureau conducted a "Survey of Selected Governments Eligible for the 2010 LUCA Program." This survey was undertaken in order to obtain information about the selected government's preference and interest in the proposed changes for the 2010 Census LUCA program including participation options, product and media types, technologies available for address list and map improvement, communicating with the Census Bureau, and training options (Johanson, 2006).

2.3 LUCA State-Level Participation Pilot Program

To determine the feasibility of state level participation, the Census Bureau conducted a LUCA state-level pilot program in the states of Wisconsin and Indiana in 2006. Five counties in each state were selected based on predetermined criteria. In coordination with the State Data Center (SDC) and the Federal State Cooperative Program for Population Estimates (FSCPE) agency in each state, the Census Bureau provided its census address list to the agencies for the selected

counties for their review and comment. The agencies were asked to provide adds, deletes, and corrections to addresses for housing units and group quarters in a computer-readable file format (Pfeiffer, 2006).

Census Bureau staff performed field validation on a sample basis to determine the validity of the state submitted addresses (Tomaszewski, 2007). Since results of the field validation demonstrated the feasibility of state participation, states were invited to participate in the 2010 Census LUCA program.

2.4 2008 Census Dress Rehearsal LUCA Program

To evaluate improvements in procedures that were under consideration for the 2010 Census, the LUCA program was an integral part of the 2008 Census Dress Rehearsal activities. Conducted in San Joaquin County, California and a nine-county area surrounding Fayetteville, North Carolina, 44 of the 62 eligible governments including the states of California and North Carolina chose to participate in the LUCA program and were provided an opportunity to review and update the Census Bureau's address list and related maps.

The *2008 Census Dress Rehearsal Local Update of Census Addresses (LUCA) Assessment Report* provides detailed data and an assessment of the 2008 Census Dress Rehearsal LUCA program (Tomaszewski, 2007).

2.5 2010 Census LUCA Program

As a result of the LUCA State Survey and Census 2000 LUCA evaluations and participant surveys conducted by the National Academy of Sciences (NAS), the Department of Commerce Office of the Inspector General, OMB, and the U.S. Census Bureau (through the Anteon Corporation), a number of suggested improvements were made to the LUCA program (Pfeiffer and Franz, 2005). Based on these results, the following changes were made to the 2010 Census LUCA program:

- Combined the two separate Census 2000 LUCA phases into one review cycle for all address types
- Expanded the review time for participants from 90 days to 120 days
- Provided more advance notice of the pending LUCA program
- Initiated comprehensive program communications with participants
- Provided participants with the opportunity to use the Census Bureau supplied MAF/TIGER Partnership Software (MTPS) application
- Invited states to participate in the program
- Provided the choice of one of the following three participation options:
    1) Option 1 – Title 13 Full Address List Review
    2) Option 2 – Title 13 Local Address List Submission
    3) Option 3 – Non-Title 13 Local Address List Submission

Option 1 and Option 2 participants were required to sign a Confidentiality Agreement Form in compliance with Title 13 and a Self-Assessment Checklist designed to measure participants' ability to meet the Census Bureau's security requirements. After signing these forms, Option 1 and Option 2 participants received the census address list for their jurisdictions. Option 1 participants could choose either a paper (6,000 addresses or less[3]) or computer-readable address list and could update the address list by correcting addresses, deleting addresses, identifying nonresidential addresses and out of jurisdiction addresses, and adding new addresses not on the census address list. In addition, they could challenge the number of addresses within a census block. They could comment on any individual city-style address on the census address list and/or challenge the count of addresses for an entire census block on the address count list, but could not do both within the same block.

Option 2 participants could only receive the census address list in computer-readable format for reference purposes and were required to submit their local address file of city-style addresses in a predefined Census Bureau format.

Option 1 and Option 2 participants received detailed feedback of the results of the Address Canvassing Operation, which updated the census address list and verified addresses submitted by LUCA participants. Participants were eligible to file address appeals with the 2010 Census LUCA Appeals Staff, an independent, temporary Federal entity set up by the OMB to administer the appeals process.

Option 3 participants chose not to receive the census address list and therefore were not required to sign the Confidentiality Agreement Form. They received the 2010 Census LUCA Address Count List for reference only and were required to submit their local address file of city-style addresses in a predefined Census Bureau format. Option 3 participants received a Feedback Address Update Summary Report of the total address tallies for their jurisdiction. However, since they did not receive the census address list or detailed feedback, they could not appeal addresses.

All participants received the 2010 Census LUCA Address Count List that contained the total number of housing unit and group quarters addresses on the census address list for each census block within their jurisdiction (U.S. Census Bureau, 2007c). Participants could provide map feature and legal boundary updates regardless of the option they selected.

2.5.1 Media

Option 1 participants could choose to receive either paper or computer-readable address materials. Due to the volume of paper necessary to create the paper address list, this media type was limited to jurisdictions with 6,000 addresses or less. Option 2 and Option 3 participants received only computer-readable address list materials.

In addition, all participants could choose to receive either paper census maps or a digital map (shapefile) for geocoding addresses (geocoding includes numeric codes that refer to census

[3] Due to the volume of paper necessary to create the paper address list, this media type was restricted to governments with 6,000 addresses or less.

geographic areas for state, county, census tract, and census blocks). State participants were limited to computer-readable address files and a digital shapefile and were required to submit their address and map updates on a county-by-county basis.

As an alternative method for participating, participants could choose to use the newly developed MTPS. This software is a Geographic Information System (GIS) application that combined the 2010 Census LUCA address list, address count list, and digital shapefiles. Using the MTPS allowed participants to update the lists and shapefiles and to import their local address list and shapefiles for comparison to the Census Bureau's data (U.S. Census Bureau, 2007a).

2.5.2 Advance Notification

Beginning in January 2007, the Census Bureau mailed an Advance Notification package containing a letter and an information booklet to the highest elected official for governments eligible for the 2010 Census LUCA program. Among those eligible for the 2010 Census LUCA program were tribal, state, and local governments within the fifty states, the District of Columbia, and Puerto Rico, in areas for which the Census Bureau performs a pre-census address canvassing operation. Areas designated for special enumeration procedures were not eligible for the LUCA program. Special enumeration areas included the most remote, sparsely populated, and/or resort areas in the states of Alaska and Maine where Address Canvassing would not occur. Therefore, these governments would not receive feedback on Address Canvassing results and would not be eligible to file address appeals.

The Advance Notification package provided governments with details of the 2010 Census LUCA program, samples of the LUCA program materials, and provided lead-time to begin planning and preparing a strategy for their participation in the program. In addition to mailing the Advance Notification package, eligible governments could learn about the program in LUCA promotional workshops conducted by the Census Bureau Regional Offices (ROs) from March 2007 through June 2007. These workshops emphasized the purpose and importance of the LUCA program, described the LUCA program schedule, program options, confidentiality requirements, participant responsibilities, and the planned LUCA materials supplied by the Census Bureau.

2.5.3 Invitation and Registration

In August 2007, the Census Bureau began mailing the invitation and registration materials to eligible governments formally inviting them to participate in the 2010 Census LUCA program.

Invited governments received a registration package that included the following forms:

- **Registration Form** — The Census Bureau mailed this form to the highest elected official of each government invited to participate in the LUCA program. Governments used this form to register for the program. If they chose not to participate, they were asked to provide the reasons and/or comments.
- **Confidentiality Agreement Form** — This form outlined the responsibilities of the Title 13, U.S.C., LUCA liaison and reviewers who agreed to the terms of the Confidentiality and Security Guidelines. Option 1 and Option 2 participants were required to sign and submit this form to the Census Bureau before receiving Title 13 materials. (Subsequent liaisons and

reviewers could be added using the Confidentiality Agreement Form provided in the user guide).

- **Self-Assessment Checklist for the Confidentiality and Security Guidelines** — All Title 13 participants (Option 1 and Option 2) were required to complete this form in order to indicate their ability to secure all Title 13 materials, which included the original and all copies of the paper and computer-readable products.
- **Participation Option/Product Preference Form** — Participants completed this form to select their option and address materials according to the option chosen and the resources available to them.

In addition to a letter and the various program registration forms, the invitation package included a Computer-Based Training (CBT) CD-ROM and a sample MTPS CD-ROM to familiarize the invited governments with the program, the program materials, the procedures for their address list review, and how to make address, feature, and legal boundary map updates.

In order to encourage participation, the Census Bureau ROs conducted follow-up telephone calls to non-responding governments, followed by final reminder letters mailed in November 2007.

2.5.4 Boundary and Annexation Survey (BAS)

Participants that registered for the LUCA program before October 31, 2007, could receive their 2008 Boundary and Annexation Survey (BAS) materials with their LUCA program materials. Participants that selected to receive paper maps received the *Boundary and Annexation Survey Paper Respondent Guide* and a Boundary and Annexation Survey form. Participants that selected to receive shapefiles received a CD-ROM containing a layer for legal boundaries that could be edited and the *Boundary and Annexation Survey Respondent Guide: Digital BAS.*

2.5.5 2010 Census LUCA Training Workshops

From August 2007 through February 2008, Census Bureau Regional Offices (RO), state data centers, and regional planning and development agencies offered LUCA Training Workshops that provided participants with detailed examples and instructions for undertaking their LUCA review and submitting their address lists to their Census Bureau Regional Census Center (RCC).

2.5.6 Shipping LUCA Initial Review Materials

Shipping of LUCA materials was originally planned to begin at the end of August 2007 and be completed by February 2008. However, due to problems with new application software for creating the address lists, paper maps, and spatial data file, as well as issues with the Production Control System (PCS), shipping did not begin until November 2007 and was completed in March 2008.

Depending on the option and media type chosen, participants received the following materials:

- **Census Bureau's Address List** –address list of residential city-style and noncity-style addresses known to the Census Bureau.

- **Address List Add Page** – for use by paper participants to add city-style addresses not shown on the address list.
- **Address Count List** – contained the number of housing unit and group quarters addresses on the address list for each census block.
- **Census Bureau Map** – either paper maps or shapefiles used as a reference for locating individual addresses and for updating and correcting features and boundaries.
- **Map Sheet to Block Number Relationship List** – used with paper maps to list all the census blocks to identify the map sheet(s) on which each census block was located.
- **User Guide** – contained the instructions for updating the census address list, address count list, paper maps, or shapefiles.
- **MAF/TIGER Partnership Software** – GIS software for use with shapefiles.

The Census Bureau received the final LUCA submission at the end of May 2008. Headquarters processing of participant address submissions began in March 2008 and continued until August 2008.

2.5.7 Participation Follow-up

Participants that received LUCA materials, but did not return updated LUCA address list materials received follow-up phone calls from the Census Bureau's ROs as well as a letter in October 2008 asking why they did not return materials. Included in a checklist of reasons for not returning materials, they were asked if they agreed with the Census Bureau's initial address list and/or address count. Those that responded that they agreed with the LUCA address products received a second letter in January 2009, asking if they wished to receive LUCA feedback materials for their review.

For the purposes of this assessment, participants in the 2010 Census LUCA program are defined as governments that registered for the LUCA program and received initial materials.

2.5.8 2010 Census LUCA Feedback

Following the Address Canvassing Operation (conducted primarily between April and June, 2009) which updated the census address list and verified addresses submitted by LUCA participants, the Census Bureau mailed a LUCA Feedback Advance Notice package to participants in August 2009. In addition to a notification letter, this package contained a flyer that provided an overview of the feedback and address appeals process.

The 2010 Census LUCA Feedback materials containing the results of MTdb processing and the Address Canvassing Operation were mailed to participants from October 2009 until December 2009. Option 1 and Option 2 feedback participants had the opportunity to review these materials and submit address appeals to the LUCA Appeals Staff. Participants were instructed to contact the Appeals Staff for questions regarding address appeals and to mail their appeals directly to the Appeals Staff.

Option 3 participants received a Feedback Address Update Summary Report that displayed the total tallies for their jurisdiction of actions taken by the Census Bureau for all of the address updates submitted by the participant and a map (paper or shapefiles). Since Option 3 participants did not receive or review the census address list, they were not eligible to file address appeals.

The feedback materials consisted of:

- **Full Address List** (Option 1 and Option 2) – contained all of the residential addresses for those housing units and other living quarters (for the feedback phase, group quarters were termed other living quarters) currently recorded in the Census Bureau's MTdb for their jurisdiction.
- **Full Address Count List** (Option 1 and Option 2) – contained the current residential address counts for housing units and other living quarters for each census block within their jurisdiction.
- **Detailed Feedback Address List** (Option 1 and Option 2) – listed all address record updates submitted by the participant and a processing code identifying a specific action taken by the Census Bureau on that address record. This list also identified any addresses deleted during the Address Canvassing Operation.
- **Detailed Feedback Address Count Challenge List** (Option 1 and Option 2) – Option 1 list contained address counts for those census blocks that the participant challenged, if any. This list included the original census address count, the address counts submitted by the participant to the Census Bureau, and the most recent census count of residential (housing unit and other living quarters) addresses. The list also included census blocks where address counts decreased as a result of the Address Canvassing Operation. Option 2 participants received a list that included the original census address count and the most recent census count of residential (housing unit and other living quarters) addresses for census blocks where address counts decreased as a result of the Address Canvassing Operation.
- **Feedback Address Update Summary Report** (Option 1, Option 2, and Option 3) – displayed the tallies of actions taken by the Census Bureau for all of the address updates submitted by the participant. The summary report for Option 3 participants displayed the original number of addresses on the Census Bureau's address list for the participant's jurisdiction, the total number of addresses submitted by the participant, and the current number of addresses within the participant's jurisdiction.
- **Paper maps or shapefiles** (Option 1, Option 2, and Option 3) – included feature and boundary updates provided by the participant and/or other updates found during the Address Canvassing Operation.

2.5.9 2010 Census LUCA Address Appeals

Similar to the Census 2000 LUCA program, the 2010 Census LUCA Appeals Staff was set up by the OMB to administer the appeals process to ensure that Option 1 and Option 2 LUCA participants had a means to dispute the Census Bureau's determinations regarding their updates to the census address lists. Those eligible to file appeals included participants that returned address additions and/or corrections to the 2010 Census Address List and/or challenged the count of addresses in one or more census blocks on the Address Count List, or certified to the Census

Bureau that the 2010 Census Address List was correct and required no update. (Participants that certified to the Census Bureau that the 2010 Census Address List was correct and required no update could appeal only those addresses on the Detailed Feedback Address List identified as deleted by the Address Canvassing Operation.)

The 2010 Census Appeals Staff final report (drafted by the Appeals Office director and delivered to OMB) will provide data and a detailed assessment of the Appeal process and findings.

2.5.10 Enumeration of LUCA Addresses

LUCA addresses verified in the Address Canvassing Operation or successfully appealed were included in the enumeration universe. LUCA addresses that did not return a census questionnaire were enumerated via the Nonresponse Followup (NRFU) operation. Addresses deleted or found vacant during NRFU were forwarded to the NRFU Vacant Delete Check (NRFU VDC) operation.

The Census Bureau initiated a late mailout of census questionnaires for successfully appealed addresses that could not be included in the initial enumeration universe. Those appealed addresses that did not respond to the late mailout or were not included in the late mailout were included in the NRFU VDC.

2.5.11 Help Desk

In order to provide technical assistance to participants for opening, reviewing, and saving computer-readable address files, shapefiles, and user questions of the MTPS, a Technical Help Desk was implemented from April 2007 until September 2010.

3. METHODOLOGY

This section describes the files used in tabulating the 2010 Census LUCA assessment results and the types of addresses profiled in the results.

Files Used for Tabulating Assessment Results

The following files were used in tabulating the 2010 Census LUCA assessment results:

- Multiple files were used containing tabulated processing results, operational action codes, and final census status aggregated by participant entity code (Entity_ID) or Type of Enumeration Area (TEA), for all MAF addresses provided by or modified by the 2010 LUCA program.

- The Address Products Software Branch (APSB) within the Geography Division, utilized data in the MAF, as well as various product databases and Address Update Files (ADDUPs) to generate five distinct datasets, tabulating by participant entity code or TEA:

    - LUCAASSESSMENT_ENT_TALLY1
    - LUCAASSESSMENT _ENT_TALLY2
    - LUCAASSESSMENT _ENT_TALLY3
    - LUCAASSESSMENT _TEA_TALLY1
    - LUCAASSESSMENT _TEA_TALLY2

- Tallies for the five distinct datasets were categorized by government type including State (ST), County (CO), Place (PL), Minor Civil Division (MCD) and Tribal (TRTA).

- Additional files used included:

    - ADDUP_LUCA2010_MTDB_TALLIES_FINAL
    - APPEALS_MIS_FINAL
    - ASSESSMENT_BASE, FINAL_ADDUP_TALLIES_2010_APPEALS
    - NATIONAL_LUCA_ASSESSEMENT_FINAL
    - LUCA2010_NATIONAL_ADDUP

Type of Geography Used to Tabulate Data

The 2010 LUCA operation was conducted using 2000 Tabulation Geography current as of 2007 American Community Survey Tabulation blocks (ACS Tab blocks) for Outgoing products and 2009 ACS Tab blocks for the Feedback products.

4. LIMITATIONS

The ongoing maintenance of the MTdb often results in the splitting and subsequent resuffixing of tabulation blocks. Therefore, as the feedback products were created using the most current version of the MTdb, they reflected a different set of suffixed blocks. To avoid misinterpretation of the feedback products, the Detailed Feedback Address List and the Detailed Feedback Address Count Challenge List aggregated data for all suffixed parts of each block into the root Census 2000 "Parent" tabulation block. For this reason, a comparison of challenged blocks to those where counts decreased was not possible.

5. RESULTS

5.1 Questions Answered

All assessment data include national totals in addition to the specific disaggregations described below.

To assess the data, most of the analyses include government type [federal American Indian Reservation (AIR), state, county, incorporated place, and functioning Minor Civil Division (MCD)] by the size of each government as determined by the number of residential addresses in the MTdb at the beginning of the LUCA program. The number of residential addresses represents the housing unit count (HU count). For example:

- AIR, State, County, Place, and MCD are each shown by the number of residential addresses:

  1,000 or fewer
  1,001 – 6,000
  6,001 – 50,000
  50,001 – 100,000
  100,001 – 1,000,000
  1,000,001 or more

A tabulation by option is included where applicable. Additionally, a tabulation by Type of Enumeration Area (TEA) is provided where applicable. Of the eight TEAs codes used for the 2010 Census, five were relevant to the 2010 Census LUCA program. A description of these five TEA codes is included in Attachment A.

The following questions include all sub-questions as presented in the *2010 Census Study Plan for the Local Update of Census Addresses (LUCA) Program Assessment*. In order to answer each question and sub-question, abbreviated tables provide the data preceded by an overview that explains the results.

Attachment B contains detailed tables that correspond to the abbreviated table numbers.

Invitation and Registration

5.1.1 Question 1: How many eligible governments were invited and registered to participate in the 2010 Census LUCA Program?

a. How many tribal, state, and local governments were eligible to participate in the LUCA program?

- 39,329 eligible governments were invited (Table 1)
  - 331 AIRs
  - 51 states (includes Puerto Rico)
  - 38,947 local governments (counties, places, and MCDs)

b. Number and percent of total invited governments that registered for the LUCA program?

- 11,500 or 29.2 percent registered for participation (Table 1)

Table 1 provides the number of governments eligible to participate in the LUCA program and the number and percent of registrants by government type and size. As shown, 39,329 governments were eligible for participation in the 2010 Census LUCA Program including 331 AIRs, 51 states (includes Puerto Rico), and 38,947 local governments (counties, places, and MCDs). Of the 39,329 eligible governments invited to participate, 11,500 or 29.2 percent registered for participation.

According to the Geographic Program Participant System (GPP), over half of the 51 eligible states (includes Puerto Rico), 28 or 54.9 percent, registered to participate. The 28 states that registered include:

Alabama	Hawaii	Nevada	Pennsylvania
Alaska	Indiana	New Jersey	South Carolina
California	Maryland	New Mexico	Utah
Colorado	Massachusetts	New York	Vermont
Connecticut	Michigan	North Carolina	Virginia
Florida	Minnesota	North Dakota	Washington
Georgia	Nebraska	Oklahoma	Wyoming

All of the 78 Municipios of Puerto Rico were invited to participate and 35 registered for the program and are included as counties. In addition, the District of Columbia is included as a place.

According to Table 1, of the 11,500 governments that registered, places represented the highest number and percentage of registrants at 7,009 or 60.9 percent. Within government types, over half of the 3,115 counties eligible, 1,596 or 51.2 percent, registered for participation followed by 7,009 or 36.1 percent of places. Although Minor Civil Divisions (MCDs) had the second highest

number of governments eligible, they had the lowest percentage of registration within government type at 16.7 percent.

In addition to the 19 state governments with 1,000,001 or more addresses that registered to participate, three places including New York City, New York; Los Angeles, California; and Chicago, Illinois; and five counties including Cook County, Illinois; Maricopa County, Arizona; Los Angeles County, California; San Diego County, California and; Harris County, Texas registered to participate in the program.

Governments with 1,000 or fewer addresses represent the highest number and percentage, 24,377 or 62.0 percent, of the total 39,329 eligible governments invited to participate. Although they had the highest number and percentage, 4,280 or 37.2 percent of the 11,500 registrants, they had the lowest percentage (17.6 percent) of registrants within government size. Governments with addresses in the 100,001 – 1,000,000 address size category had the highest percentage, 83.8 percent or 269, of the 321 eligible governments within government size.

Table 1. 2010 Census LUCA Registered Participants by Eligible Government Type and Size

	Eligible Governments		Registered Participants			
Government Type Size*	**Total**	**% of Total**	**Total**	**% of Total Eligible**	**% of Total Registered**	**% Registered of Eligible Within Gov't Type and Size**
State	51	0.1	28	0.1	0.2	54.9
AIR	331	0.8	114	0.3	1.0	34.4
County	3,115	7.9	1,596	4.1	13.9	51.2
Place	19,392	49.3	7,009	17.8	60.9	36.1
MCD	16,440	41.8	2,753	7.0	23.9	16.7
Total	**39,329**	**100.0**	**11,500**	**29.2**	**100.0**	
1,000 or fewer	24,377	62.0	4,280	10.9	37.2	17.6
1,001 – 6,000	9,617	24.5	3,892	9.9	33.8	40.5
6,001 – 50,000	4,624	11.8	2,747	7.0	23.9	59.4
50,001 – 100,000	348	0.9	285	0.7	2.5	81.9
100,001 – 1,000,000	321	0.8	269	0.7	2.3	83.8
1,000,001 or more	42	0.1	27	0.1	0.2	64.3
Total	**39,329**	**100.0**	**11,500**	**29.2**	**100.0**	

Data Source: Geography Division.
*Government size is determined by the number of residential addresses in the MTdb at the beginning of the LUCA program.
Note: The sum of categories may not equal the total due to rounding.

5.1.2 Question 2: How many eligible governments were invited but did not register to participate in the 2010 Census LUCA Program?

- 39,329 eligible governments were invited (Table 1)
- 27,829 or 70.8 percent did not register (Table 3)

a. Number and percent of the total invited governments eligible to participate that submitted some of the registration forms, but did not complete all of the paperwork required to register for the program?

- Six did not complete all of the paperwork (Table 2)

b. Number and percent of the total invited governments that officially declined to register for the program?

- 4,239 or 10.8 percent officially declined to register for the program (Table 3)

c. Number and percent of the total invited governments that did not respond to the invitation?

- 23,590 or 60.0 percent did not respond to the invitation (Table 3)

d. Number and percent of invited governments that did not register for the program?

- 27,829 or 70.8 percent of those invited did not register for the program (Table 3)

e. What were the reasons for non-participation by invited governments?

i. Insufficient staff
ii. Lack of funds
iii. No time/Too busy
iv. No local address list available
v. Concerns about the security and confidentiality of the Census Bureau's address list
vi. Restrictions on the use of the Census Bureau's address list for other purposes
vii. Other reason

- 4,125 governments provided reasons for their decision not to participate (Table 4)
- 114 respondents provided no reason (Table 4)
- 9,345 responses were provided for not participating with some governments selecting multiple reasons: (Table 5)
    1. "Insufficient Staff" – 3,124
    2. "No time/too busy," – 1,895
    3. "Lack of Funds," – 1,875
    4. "Other reason" – 1,128 governments provided a variety of reasons not listed
    5. "No Local Address List Available" – 766

6. "Concerns about the security and confidentiality of the Census Bureau's address list" – 441
7. "Restrictions on the use of the Census Bureau's address list for other purposes" – 116

Option 1 and Option 2 participants were required to sign and return to the Census Bureau both a Confidentiality Agreement Form in compliance with Title 13 and a Self-Assessment Checklist before receiving the census address lists for their jurisdictions. The Census Bureau's Regional Census Centers (RCC) contacted participants that did not complete or return all of the necessary forms. Of the 10,640 Option 1 and Option 2 participants that registered for the program, one place (an Option 2 registrant) and five MCDs (Option 1 registrants) did not complete both required forms. The largest of these governments was an MCD with 2,007 addresses. As shown in Table 2, one place and one MCD did not submit a signed Confidentiality Agreement Form and a Self-Assessment Checklist. Two MCDs signed the Self-Assessment Checklist but not the Confidentiality Agreement Form and two MCDs signed the Confidentiality Agreement Form but not the Self-Assessment Checklist.

Table 2. 2010 Census LUCA Invited Governments that Did Not Complete all Paperwork by Government Type and Size

Government Type	Total Addresses	Signed Confidentiality Agreement Form	Signed Self-Assessment Checklist	Option
MCD	2,007	N	Y	1
Place	1,614	N	N	2
MCD	1,502	N	Y	1
MCD	494	N	N	1
MCD	406	Y	N	1
MCD	37	Y	N	1

Data Source: Geography Division.
*Government size is determined by the number of residential addresses in the MTdb at the beginning of the LUCA program.

Table 3 provides the responses of invited governments that did not register for the program including those that officially declined to participate and those that did not respond to the invitation by government type and size.

Of the 39,329 eligible governments, 27,829 or 70.8 percent did not register for the program. Of those that did not register, 4,239 or 10.8 percent officially declined to participate while 23,590 or 60.0 percent did not respond. Although MCDs had the highest response percentage at 6.0 percent for officially declining, they also had the highest non-response percentage at 28.8 percent and the highest percentage, 34.8 percent, of the total number that did not register.

Governments with 1,000 or fewer addresses not only had the highest percentage of eligible governments that registered for the LUCA program, 4,280 or 10.9 percent, but also had the highest number and percentage of eligible governments, 3,083 or 7.8 percent, that officially declined the invitation. They also had the highest number and percentage of eligible governments, 17,014 or 43.3 percent that did not respond, resulting in the highest percentage of eligible governments that did not register at 51.1 percent.

The highest percentage of eligible governments within government types that did not register were MCDs with 69.0 percent not responding and 14.3 percent officially declining.

Governments with 1,000 or fewer addresses had the largest number and percentage of governments, 20,097 or 51.1 percent of the total eligible that did not register for the program. Of these, 3,083 or 12.6 percent officially declined while 69.8 percent did not respond.

Table 3. 2010 Census LUCA Invitation Responses by Government Type and Size

	Total Did Not Register			Officially Declined			Did Not Respond		
Government Type Size*	**Total**	**% of Total Eligible**	**% within Gov't Type, Size**	**Total**	**% of Total Eligible**	**% Within Gov't Type, Size**	**Total**	**% of Total Eligible**	**% Within Gov't Type, Size**
State	23	0.1	45.1	3	0.0	5.9	20	0.1	39.2
AIR	217	0.6	65.6	5	0.0	1.5	212	0.5	64.0
County	1,519	3.9	48.8	248	0.6	8.0	1,271	3.2	40.8
Place	12,383	31.5	63.9	1,635	4.2	8.4	10,748	27.3	55.4
MCD	13,687	34.8	83.3	2,348	6.0	14.3	11,339	28.8	69.0
Total	**27,829**	**70.8**		**4,239**	**10.8**		**23,590**	**60.0**	
1,000 or fewer	20,097	51.1	82.4	3,083	7.8	12.6	17,014	43.3	69.8
1,001 – 6,000	5,725	14.6	59.5	860	2.2	8.9	4,865	12.4	50.6
6,001 – 50,000	1,877	4.8	40.6	280	0.7	6.1	1,597	4.1	34.5
50,001 – 100,000	63	0.2	18.1	9	0.0	2.6	54	0.1	15.5
100,001 – 1,000,000	52	0.1	16.2	5	0.0	1.6	47	0.1	14.6
1,000,001 or more	15	0.0	35.7	2	0.0	4.8	13	0.0	31.0
Total	**27,829**	**70.8**		**4,239**	**10.8**		**23,590**	**60.0**	

Data Source: Geography Division.
* Government size is determined by the number of residential addresses in the MTdb at the beginning of the LUCA program.
Note: The sum of categories may not equal the total due to rounding.

As part of the invitation and registration process, governments were asked to select a reason or reasons from a checklist for their decision not to participate on the registration form. Table 4 shows the invited governments that officially responded to the invitation and provided the reason or reasons for not participating. Of the 4,239 governments that indicated their decision not to participate, 4,125 governments provided reasons for their decision and 114 respondents provided no reason.

MCDs had the highest number and percentage, 2,348 or 55.4 percent of respondents that declined to participate. Of these, 2,280 or 53.8 percent provided a reason or reasons for not participating. Governments with 1,000 or fewer addresses had the highest number and percent, 3,083 or 72.7 percent, of the total number of officially responding. In addition, they provided the highest number and percent of reasons, 2,998 or 70.7 percent, for not participating.

All three states that responded provided reasons for not participating as did the five AIRs that responded. Governments within the three largest address categories all provided reasons for not participating.

Table 4. 2010 Census LUCA Invitation Official Responses With and Without Reasons by Government Type and Size

Government Type Size*	Officially Responded		Provided Reason(s)			No Reason Provided		
	Total	% of Total	Total	% of Total	% Within Gov't Type, Size	Total	% of Total	% Within Gov't Type, Size
State	3	0.1	3	0.1	100.0	0	0.0	0.0
AIR	5	0.1	5	0.1	100.0	0	0.0	0.0
County	248	5.9	238	5.6	96.0	10	0.2	4.0
Place	1,635	38.6	1,599	37.7	97.8	36	0.8	2.2
MCD	2,348	55.4	2,280	53.8	97.1	68	1.6	2.9
Total	**4,239**	**100.0**	**4,125**	**97.3**		**114**	**2.7**	
1,000 or fewer	3,083	72.7	2,998	70.7	97.2	85	2.0	2.8
1,001 – 6,000	860	20.3	846	20.0	98.4	14	0.3	1.6
6,001 – 50,000	280	6.6	265	6.3	94.6	15	0.4	5.4
50,001 – 100,000	9	0.2	9	0.2	100.0	0	0.0	0.0
100,001 – 1,000,000	5	0.1	5	0.1	100.0	0	0.0	0.0
1,000,001 or more	2	0.0	2	0.0	100.0	0	0.0	0.0
Total	**4,239**	**100.0**	**4,125**	**97.3**		**114**	**2.7**	

Data Source: Geography Division.
* Government size is determined by the number of residential addresses in the MTdb at the beginning of the LUCA program.
Note: The sum of categories may not equal the total due to rounding.

Table 5 is a compilation of the reasons non-participation governments could select on their registration form. See Attachment B for percentages.

Although 4,125 governments provided reasons, some governments selected multiple reasons, resulting in 9,345 total responses.

MCDs provided 5,609 or 60 percent of the total 9,345 responses followed by places with 3,149 or 33.7 percent and 574 or 6.1 percent, counties. Governments with 1,000 or fewer addresses provided 6,870 or 73.5 percent of the total responses.

The number one reason for non-participation was insufficient staff followed by no time/too busy, and lack of funds.

The *Survey Results of Non-Participating Governments Eligible for the 2010 Census Local Update of Census Addresses (LUCA) Program*, identifies the number one "Other reason" that 676 governments provided was "LUCA Review Performed by Another/Higher Level of Government, followed by 100 "Little Growth in Population," and 90 "No computer hardware/knowledge/skills."

Table 5. 2010 Census LUCA Reasons for Non-participation by Invited Governments by Government Type and Size

Government Type Size*	Total Reasons	% of Total	A. Insufficient Staff	B. Lack of Funds	C. No Time/ Too Busy	D. No Local Address List Available	E. Concerns About the Security and Confidentiality of the Census Bureau's Address List	F. Restrictions on the Use of the Census Bureau's Address List for Other Purposes	G. Other Reason
State	4	0.0	0	0	0	2	0	0	2
AIR	9	0.1	2	1	2	0	2	0	2
County	574	6.1	200	121	139	49	26	14	25
Place	3,149	33.7	1,094	601	545	165	141	29	574
MCD	5,609	60.0	1,828	1,152	1,209	550	272	73	525
Total	**9,345**	**100.0**	**3,124**	**1,875**	**1,895**	**766**	**441**	**116**	**1,128**
1,000 or fewer	6,870	73.5	2,284	1,429	1,376	580	331	81	789
1001 – 6000	1,864	19.9	635	340	394	130	84	22	259
6001 – 50,000	585	6.3	197	102	121	53	26	12	74
50,001 – 100,000	16	0.2	5	3	3	1	0	1	3
100,001 – 1,000,000	7	0.1	3	1	1	0	0	0	2
1,000,001 or more	3	0.0	0	0	0	2	0	0	1
Total	**9,345**	**100.0**	**3,124**	**1,875**	**1,895**	**766**	**441**	**116**	**1,128**

Data Source: Geography Division.
* Government size is determined by the number of residential addresses in the MTdb at the beginning of the LUCA program.
Note: The sum of categories may not equal the total due to rounding.

5.1.3 Question 3: What were the option choices of the registered participants and what were their media selections?

a. Of the total number of registered participants, how many chose Option 1? Option 2? Option 3? (Table 6)

- Option 1 – 9,110 or 79.2 percent
- Option 2 – 1,530 or 13.3 percent
- Option 3 – 860 or 7.5 percent

b. What were the media selections for the registered participants:

i. Number and percent that selected paper address list and paper map?
ii. Number and percent that selected paper address list and shapefile?
iii. Number and percent that selected computer-readable address list and paper map?
iv. Number and percent that selected computer-readable address list and shapefile?
v. Number and percent that selected MTPS?

- Option 1 (Table 7)
  - 3,601 or 39.5 percent – paper address list and paper maps
  - 2,095 or 23.0 percent – computer-readable address list/paper maps
  - 1,751 or 19.2 percent – MTPS
  - 1,464 or 16.1 percent – computer-readable address list/shapefile
  - 199 or 2.2 percent – paper address list/shapefile
- Option 2 (Table 8)
  - 776 or 50.7 percent – computer-readable address list/shapefile
  - 504 or 32.9 percent – computer-readable address list/paper maps
  - 250 or 16.3 percent – MTPS
- Option 3 (Table 9)
  - 513 or 59.7 percent – computer-readable address count list/paper maps
  - 222 or 25.8 percent – computer-readable address count list/shapefile
  - 125 or 14.5 percent – MTPS

c. Number and percent of the registered tribal, state, and local governments that dropped out of the program before receiving materials?

- The Census Bureau Regional Offices unregistered those registrants that dropped out of the program before materials were shipped. Therefore, these governments were removed from the production universe.

d. Number and percent of the registered participants that dropped out after receiving materials?

- 665 or 5.8 percent of the registered participants dropped out the program after receiving materials (Table 10)

The 2010 Census LUCA Program offered governments three participation options – Option 1, the Title 13 Full Address List Review; Option 2, the Title 13 Local Address List Submission; and Option 3, the Non-Title 13 Local Address List Submission. Option 1 and Option 2 required participants to sign a confidentiality agreement in compliance with Title 13, U.S.C. and a data security self-assessment checklist in order to receive the Census Bureau's address list. Option 3 did not require a signed confidentiality agreement because Title 13 data were not provided.

Table 6 shows the total registered participants and the options they selected by government type and size. Of the 11,500 registered governments, 9,110 or 79.2 percent overwhelmingly selected Option 1 followed by 1,530 or 13.3 percent selecting Option 2, and 860 or 7.5 percent selecting Option 3. Of the 79.2 percent that selected Option 1, over half or approximately 51.0 percent were places, 19.2 percent were MCDs, and 8.1 percent were counties.

Governments with 1,000 or fewer addresses not only had the highest number and percentage of the total number of registered participants that selected Option 1 (3,645 or 31.7 percent) but also had the highest percentage, 85.2 percent, within government size. Over 27.0 percent of the total registered governments selecting Option 1 were in the 1,001 – 6,000 size, with 81 percent of these governments selecting Option 1. Out of the 2,747 registered governments in the 6,001-50,000 size, 1,941 or 16.9 percent of total registered selected Option 1.

The highest number and percentage of governments selecting Option 2 (559 or nearly five percent) were governments within the 6,001 – 50,000 size. Governments in the first three government sizes were nearly equal in selecting Option 3 at 2.5 percent, 2.4 percent, and 2.1 percent, respectively.

Of 860 Option 3 registered participants, 410 were places followed by 216 MCDs. Governments with 1,000 or fewer addresses, 1,001 – 6,000 addresses, and 6,001 – 50,000 addresses comprise the majority of the total Option 3 registrants.

Table 6. 2010 Census LUCA Registered Participants Option Selections by Government Type and Size

			Option Selection								
			Option 1			Option 2			Option 3		
Government Type Size*	Total Registered Total	% of Total	Total Option 1	% of Total	% Within Gov't Type, Size	Total Option 2	% of Total	% Within Gov't Type, Size	Total Option 3	% of Total	% Within Gov't Type, Size
State	28	0.2	20	0.2	71.4	6	0.1	21.4	2	0.0	7.1
AIR	114	1.0	96	0.8	84.2	11	0.1	9.6	7	0.1	6.1
County	1,596	13.9	933	8.1	58.5	507	4.4	31.8	156	1.4	9.8
Place	7,009	60.9	5,855	50.9	83.5	744	6.5	10.6	410	3.6	5.8
MCD	2,753	23.9	2,206	19.2	80.1	262	2.3	9.5	285	2.5	10.4
Total	**11,500**	**100.0**	**9,110**	**79.2**		**1,530**	**13.3**		**860**	**7.5**	
1,000 or fewer	4,280	37.2	3,645	31.7	85.2	351	3.1	8.2	284	2.5	6.6
1,001 – 6,000	3,892	33.8	3,152	27.4	81.0	469	4.1	12.1	271	2.4	7.0
6,001 – 50,000	2,747	23.9	1,941	16.9	70.7	559	4.9	20.3	247	2.1	9.0
50,001 – 100,000	285	2.5	182	1.6	63.9	73	0.6	25.6	30	0.3	10.5
100,001 – 1,000,000	269	2.3	171	1.5	63.6	71	0.6	26.4	27	0.2	10.0
1,000,001 or more	27	0.2	19	0.2	70.4	7	0.1	25.9	1	0.0	3.7
Total	**11,500**	**100.0**	**9,110**	**79.2**		**1,530**	**13.3**		**860**	**7.5**	

Data Source: Geography Division.
* Government size is determined by the number of residential addresses in the MTdb at the beginning of the LUCA program.
Note: The sum of categories may not equal the total due to rounding.

Taking into consideration the various computer resources and skills available to local governments, the Census Bureau offered five media combinations that participants could select from, including paper address list and paper map; paper address list and shapefile; computer-readable address list and paper map; computer-readable address list and shapefile; and the MTPS.

Due to the volume of paper necessary to create the paper address list, this media type was limited to Option 1 participants with 6,000 addresses or less. States selecting Option 1 were limited to the computer-readable address list and shapefiles or the MTPS. Question 3b answers each option's media selections separately.

Option 1 Media Selection

Table 7 shows the media selections for Option 1 participants. Of the 20 state participants, 12 selected the computer-readable address list and shapefiles, while eight selected the MTPS. See Attachment B for percentages within government type and size.

Over 3,600 or 39.5 percent of the 9,110 Option 1 participants selected the paper address list and paper maps. Nearly all of the government types selecting this media combination were places and MCDs. Over half of the MCDs, 51.8 percent, selected this media combination as did 40.5 percent of places. Of the 3,645 governments with 1,000 or fewer addresses, 65.6 percent selected the paper address list /paper maps.

The second highest combination was the computer-readable address list/paper maps selected by 2,095 or 23.0 percent of the governments followed by the MTPS with 1,751 or 19.2 percent. There were 1,464 or 16.1 percent of the governments that selected the computer-readable address list/shapefile. The lowest percentage was the paper address list/shapefile at 2.2 percent selected by 199 governments.

Although the paper address list was limited to governments with 6,000 addresses or less, governments could obtain permission from their Census Bureau Regional Office (RO) to receive a paper address list as indicated in the 6,001 – 50,000 size. Seventeen governments of this size received paper address list/paper maps while five received paper address list/shapefile.

Table 7. 2010 Census LUCA Option 1 Media Selection by Government Type and Size

Government Type Size*	Total Registered Option 1		Media Type									
			Paper Address List/ Paper Maps		Paper Address List/ Shapefiles		Computer-readable Address List/ Paper Maps		Computer-readable Address List/ Shapefiles		MTPS	
	Total	% of Total	Total Selected	% of Total	Total Selected	% of Total	Total Selected	% of Total	Total Selected	% of Total	Total Selected	% of Total
State	20	0.2	N/A	N/A	N/A	N/A	N/A	N/A	12	0.1	8	0.1
AIR	96	1.1	31	0.3	11	0.1	18	0.2	20	0.2	16	0.2
County	933	10.2	57	0.6	5	0.1	156	1.7	402	4.4	313	3.4
Place	5,855	64.3	2,370	26.0	135	1.5	1,398	15.3	850	9.3	1,102	12.1
MCD	2,206	24.2	1,143	12.5	48	0.5	523	5.7	180	2.0	312	3.4
Total	**9,110**	**100.0**	**3,601**	**39.5**	**199**	**2.2**	**2,095**	**23.0**	**1,464**	**16.1**	**1,751**	**19.2**
1,000 or fewer	3,645	40.0	2,390	26.2	75	0.8	705	7.7	155	1.7	320	3.5
1,001 – 6,000	3,152	34.6	1,194	13.1	119	1.3	894	9.8	370	4.1	575	6.3
6,001 – 50,000	1,941	21.3	17	0.2	5	0.1	478	5.2	724	7.9	717	7.9
50,001 – 100,000	182	2.0	0	0.0	0	0.0	12	0.1	98	1.1	72	0.8
100,001 – 1,000,000	171	1.9	0	0.0	0	0.0	6	0.1	104	1.1	61	0.7
1,000,001 or more	19	0.2	0	0.0	0	0.0	0	0.0	13	0.1	6	0.1
Total	**9,110**	**100.0**	**3,601**	**39.5**	**199**	**2.2**	**2,095**	**23.0**	**1,464**	**16.1**	**1,751**	**19.2**

Data Source: Geography Division.
N/A – not Applicable.
*Government size is determined by the number of residential addresses in the MTdb at the beginning of the LUCA program.
Note: The sum of categories may not equal the total due to rounding.

Option 2 Media Selection

Option 2 participants received the Census Bureau's address list in computer-readable format for reference purposes only and were required to submit their local address file of city-style addresses in a predefined Census Bureau format. The user guide explained the address format and the Option 2 LUCA program CD-ROM provided an address format template.

Table 8 displays Option 2 participants' media selections by government type and size. The media selections included a computer-readable address list/paper maps, computer-readable address list/shapefile, or the MTPS. Of the 1,530 Option 2 participants, 776 or 50.7 percent selected the computer-readable address list/shapefile combination while 504 or 32.9 percent selected computer-readable address list/paper maps. Two hundred fifty or 16.3 percent selected the MTPS.

Nearly 26 percent of governments with 1,000 or fewer addresses and 1,001 – 6,000 addresses selected the computer-readable address list/paper maps combination. Of the 36.5 percent in the 6,001 – 50,000 address size category, 340 or 22.2 percent selected the computer-readable address list/shapefile while 7.5 percent selected the MTPS.

Over half of the Option 2 states (66.7 percent), counties (59.2 percent), and MCDs (51.1 percent) selected the computer-readable address list/shapefile combination. Nearly 79.0 percent of governments with 100,001 – 1,000,000 addresses selected this combination followed by governments with 1,000,001 or more addresses at 71.4 percent.

Table 8. 2010 Census LUCA Option 2 Media Selection by Government Type and Size

Government Type Size*	Total Registered Option 2		Media Type								
			Computer-readable Address List/Paper Maps			Computer-readable Address List/Shapefiles			MTPS		
	Total	% of Total	Total Selected	% of Total	% Within Gov't Type, Size	Total Selected	% of Total	% Within Gov't Type, Size	Total Selected	% of Total	% Within Gov't Type, Size
State	6	0.4	N/A	N/A	N/A	4	0.3	66.7	2	0.1	33.3
AIR	11	0.7	7	0.5	63.6	1	0.1	9.1	3	0.2	27.3
County	507	33.1	100	6.5	19.7	300	19.6	59.2	107	7.0	21.1
Place	744	48.6	287	18.8	38.6	337	22.0	45.3	120	7.8	16.1
MCD	262	17.1	110	7.2	42.0	134	8.8	51.1	18	1.2	6.9
Total	**1,530**	**100.0**	**504**	**32.9**		**776**	**50.7**		**250**	**16.3**	
1,000 or fewer	351	22.9	192	12.5	54.7	128	8.4	36.5	31	2.0	8.8
1,001 – 6,000	469	30.7	202	13.2	43.1	199	13.0	42.4	68	4.4	14.5
6,001 – 50,000	559	36.5	105	6.9	18.8	340	22.2	60.8	114	7.5	20.4
50,001 – 100,000	73	4.8	4	0.3	5.5	48	3.1	65.8	21	1.4	28.8
100,001 – 1,000,000	71	4.6	1	0.1	1.4	56	3.7	78.9	14	0.9	19.7
1,000,001 or more	7	0.5	0	0.0	0.0	5	0.3	71.4	2	0.1	28.6
Total	**1,530**	**100.0**	**504**	**32.9**		**776**	**50.7**		**250**	**16.3**	

Data Source: Geography Division.
N/A – Not Applicable.
* Government size is determined by the number of residential addresses in the MTdb at the beginning of the LUCA program.
Note: The sum of categories may not equal the total due to rounding.

Option 3 Media Selection

Although Option 3 participants did not receive the Census Bureau's address list, they did receive the Address Count List for reference purposes only. They were required to submit their local address file of city-style addresses in a predefined Census Bureau format. The user guide explained the address format and the Option 3 LUCA program CD-ROM provided an address format template.

Table 9 shows the media selection for Option 3 participants by government type and size. Nearly 60.0 percent, 513 of the total 860, Option 3 participants selected the computer-readable address count list/paper maps while 222 or 25.8 percent selected computer-readable address count list/shapefile and 125 or 14.5 percent selected the MTPS.

Almost 76.0 percent (216) of the 285 Option 3 MCDs selected the computer-readable address count list/paper maps while 255 or 62.2 percent f the 410 places selected this combination.

Over 81.0 percent (231) of governments in the 1,000 or less address size category selected computer-readable address count list/paper maps followed by 66.8 percent of governments with 1,001-6,000 addresses. Governments in the 6,001-50,000 address size category were more likely to select the computer-readable address count list/shapefile with 114 of the total 222 (46.2 percent).

The only Option 3 government with 1,000,001 or more addresses selected the computer-readable address list/shapefile.

Table 9. 2010 Census LUCA Option 3 Media Selection by Government Type and Size

Government Type Size*	Total Registered Option 3		Media Type								
			Computer-readable Address Count List/Paper Maps			Computer-readable Address Count List/Shapefiles			MTPS		
	Total	% of Total	Total Selected	% of Total	% Within Gov't Type, Size	Total Selected	% of Total	% Within Gov't Type, Size	Total Selected	% of Total	% Within Gov't Type, Size
State	2	0.2	N/A	N/A	N/A	1	0.1	50.0	1	0.1	50.0
AIR	7	0.8	4	0.5	57.1	1	0.1	14.3	2	0.2	28.6
County	156	18.1	38	4.4	24.4	87	10.1	55.8	31	3.6	19.9
Place	410	47.7	255	29.7	62.2	91	10.6	22.2	64	7.4	15.6
MCD	285	33.1	216	25.1	75.8	42	4.9	14.7	27	3.1	9.5
Total	**860**	**100.0**	**513**	**59.7**		**222**	**25.8**		**125**	**14.5**	
1,000 or fewer	284	33.0	231	26.9	81.3	21	2.4	7.4	32	3.7	11.3
1,001 – 6,000	271	31.5	181	21.0	66.8	52	6.0	19.2	38	4.4	14.0
6,001 – 50,000	247	28.7	92	10.7	37.2	114	13.3	46.2	41	4.8	16.6
50,001 – 100,000	30	3.5	4	0.5	13.3	22	2.6	73.3	4	0.5	13.3
100,001 – 1,000,000	27	3.1	5	0.6	18.5	12	1.4	44.4	10	1.2	37.0
1,000,001 or more	1	0.1	0	**0.0**	0.0	1	0.1	100.0	0	0.0	0.0
Total	**860**	**100.0**	**513**	**59.7**		**222**	**25.8**		**125**	**14.5**	

Data Source: Geography Division.
N/A – Not Applicable.
* Government size is determined by the number of residential addresses in the MTdb at the beginning of the LUCA program.
Note: The sum of categories may not equal the total due to rounding.

The dropout phase for the LUCA program occurred from August 2007 through September 2008. During this phase, registered participants could inform the Census Bureau of their decision not to participate in the program. The Census Bureau Regional Offices unregistered those registrants that dropped out of the program before materials were shipped. Therefore, these governments were removed from the production universe.

Table 10 shows that of the 11,500 registered participants, 665 or 5.8 percent of those registered dropped out of the program after receiving materials. The largest percentage of dropouts was MCDs with 9.6 percent or 265 of the 2,753 registered followed by counties with 5.9 percent or 94 of the 1,596 that registered for the program.

The dropout percentages by government size are between 4.8 percent for governments in the 100,001 – 1,000,000 address size category and 6.8 percent in the 1,001 – 6,000 address size category. Of the 27 governments in the 1,000,001 or more address category, none dropped out of the program during the dropout phase.

After the dropout phase, there were 10,835 active participants or 94.2 percent of the total 11,500 that originally registered.

Table 10. 2010 Census LUCA Participants that Dropped Out of the Program after Receiving Materials by Government Type, Size, and Option

	Registered Participants		Dropped Out After Receiving Materials			Active Participants After Drop Out		
Government Type Size* Option	**Total**	**% of Total**	**Total**	**% of Total**	**% Within Gov't Type, Size**	**Total**	**% of Total**	**% Within Gov't Type, Size**
State	28	0.2	0	0.0	0.0	28	0.3	100.0
AIR	114	1.0	4	0.0	3.5	110	1.0	96.5
County	1,596	13.9	94	0.8	5.9	1,502	13.9	94.1
Place	7,009	60.9	302	2.6	4.3	6,707	61.9	95.7
MCD	2,753	23.9	265	2.3	9.6	2,488	23.0	90.4
Total	**11,500**	**100.0**	**665**	**5.8**	**5.8**	**10,835**	**100.0**	**94.2**
1,000 or fewer	4,280	37.2	224	1.9	5.2	4,056	37.4	94.8
1,001 – 6,000	3,892	33.8	266	2.3	6.8	3,626	33.5	93.2
6,001 – 50,000	2,747	23.9	146	1.3	5.3	2,601	24.0	94.7
50,001 – 100,000	285	2.5	16	0.1	5.6	269	2.5	94.4
100,001 – 1,000,000	269	2.3	13	0.1	4.8	256	2.4	95.2
1,000,001 or more	27	0.2	0	0.0	0.0	27	0.2	100.0
Total	**11,500**	**100.0**	**665**	**5.8**	**5.8**	**10,835**	**100.0**	**94.2**
Option 1	9,110	79.2	378	3.3	4.1	8,732	80.6	95.9
Option 2	1,530	13.3	233	2.0	15.2	1,297	12.0	84.8
Option 3	860	7.5	54	0.5	6.3	806	7.4	93.7
Total	**11,500**	**100.0**	**665**	**5.8**	**5.8**	**10,835**	**100.0**	**94.2**

Data Source: Geography Division.
* Government size is determined by the number of residential addresses in the MTdb at the beginning of the LUCA program.
Note: The sum of categories may not equal the total due to rounding.

The 652 governments that informed the Census Bureau of their decision not to participate in the LUCA program received a letter to confirm their decision. The letter included a list of reasons governments could select from for why they withdrew from the program.

According to the *Survey Results of Non-Participating Governments Eligible for the 2010 Census Local Update of Census Addresses (LUCA) Program*, some of the 666 governments selected multiple reasons, providing 823 total responses. As shown in Table 11, 255 governments selected "LUCA review performed by a higher level of government," 154 selected "No time/too busy," 146 selected "Insufficient staff," and 133 provided "Other reason." The two highest other reasons were "No computer, software/hardware, computer skills or a computer issue occurred" and "Too complicated."

Table 11. 2010 Census LUCA Participant Reasons for Dropout by Government Type

Government Type	Total Reasons	Insufficient Staff	Lack of Funds	No Time/ Too Busy	No Local Address List Available	LUCA Review Performed by a Higher Level of Government	Other Reason	No Reason Provided
State	0	0	0	0	0	0	0	0
AIR	9	2	1	3	1	0	2	0
County	123	28	4	43	6	5	26	11
Place	372	79	10	65	4	130	66	18
MCD	319	37	14	43	9	120	39	57
Total	**823**	**146**	**29**	**154**	**20**	**255**	**133**	**86**

Source: *Survey Results of Non-Participating Government Eligible for the 2010 Census Local Update of Census Addresses (LUCA) Program.*

5.1.4 Question 4: How many participants changed option and/or media type after the receipt of their first chosen option and/or media?

(Table 12, Map Media Type Change; Table 13, Address List Media Type Change; Table 14, Option Change)

a. Number and percent of participants that selected a paper address list and paper maps and changed to another combination?

b. Number and percent of participants that selected a paper address list and shapefile and changed to another combination?

c. Number and percent of participants that selected a computer-readable address list and paper maps and changed to another combination?

d. Number and percent of participants that selected a computer-readable address list and shapefile and changed to another combination?

e. Number and percent of participants that selected MTPS and changed to another combination?

f. Number and percent of participants that changed their participation option?

The Census Bureau offered five media combinations that participants could select from including paper address list and paper map; paper address list and shapefile; computer-readable address list and paper map; computer-readable address list and shapefile; and the MTPS. The available data provide participant changes by map media type, address list type, and option.

As shown in Table 12, 208 participants changed their original map selection. The largest number, 97 or 46.6 percent changed from shapefiles to paper maps. The majority of this change was by places and MCDs with less than 6,000 addresses that were Option 1 participants.

Sixty-two or 29.8 percent changed from paper maps to shapefiles. The largest number of governments with this change, 32 or 15.4 percent, was places followed by counties with 21 or 10.1 percent. Fifty-three of the 62 governments with this change are in the first three address size categories with 50,000 addresses or less, while nearly while 57 were Option 1 and Option 2 participants.

Those that changed from MTPS to paper maps include 24 places, seven MCDs, and five counties. Thirty-two of these governments had 6,000 addresses or less. Although 33 of the 36 were Option 1 participants, two were Option 3 participants, and one was an Option 2 participant.

Nine Option 1 participants and one Option 3 participant changed from paper maps to MTPS. This change included seven places, two counties, and one MCD, all with less than 50,000 addresses.

Only one Option 1 participant, a place in the 6,001 – 50,000 address size category, changed from MTPS to shapefiles.

Table 12. 2010 Census LUCA Map Media Type Change by Government Type, Size, and Option

Government Type Size* Option	Total	Map Media Type Change											
		Paper Maps to Shapefiles		Paper Maps to MTPS		Shapefiles to Paper Maps		Shapefiles to MTPS		MTPS to Paper Maps		MTPS to Shapefiles	
		Total	% of Total	Total	% of Total	Total	% of Total	Total	% of Total	Total	% of Total	Total	% of Total
State	0	N/A	N/A	N/A	N/A	N/A	N/A	0	0.0	N/A	N/A	0	0.0
AIR	4	2	1.0	0	0.0	2	1.0	0	0.0	0	0.0	0	0.0
County	35	21	10.1	2	1.0	6	2.9	1	0.5	5	2.4	0	0.0
Place	133	32	15.4	7	3.4	68	32.7	1	0.5	24	11.5	1	0.5
MCD	36	7	3.4	1	0.5	21	10.1	0	0.0	7	3.4	0	0.0
Total	**208**	**62**	**29.8**	**10**	**4.8**	**97**	**46.6**	**2**	**1.0**	**36**	**17.3**	**1**	**0.5**
1,000 or fewer	72	10	4.8	1	0.5	48	23.1	0	0.0	13	6.3	0	0.0
1,001 – 6,000	73	15	7.2	3	1.4	35	16.8	1	0.5	19	9.1	0	0.0
6,001 – 50,000	52	28	13.5	6	2.9	13	6.3	0	0.0	4	1.9	1	0.5
50,001 – 100,000	2	1	0.5	0	0.0	1	0.5	0	0.0	0	0.0	0	0.0
100,001 – 1,000,000	9	8	3.8	0	0.0	0	0.0	1	0.5	0	0.0	0	0.0
1,000,001 or more	0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0
Total	**208**	**62**	**29.8**	**10**	**4.8**	**97**	**46.6**	**2**	**1.0**	**36**	**17.3**	**1**	**0.5**
Option 1	167	34	16.3	9	4.3	88	42.3	2	1.0	33	15.9	1	0.5
Option 2	31	23	11.1	0	0.0	7	3.4	0	0.0	1	0.5	0	0.0
Option 3	10	5	2.4	1	0.5	2	1.0	0	0.0	2	1.0	0	0.0
Total	**208**	**62**	**29.8**	**10**	**4.8**	**97**	**46.6**	**2**	**1.0**	**36**	**17.3**	**1**	**0.5**

Data Source: Geography Division.
N/A – Not Applicable.
* Government size is determined by the number of residential addresses in the MTdb at the beginning of the LUCA program.
Note: The sum of categories may not equal the total due to rounding.

Although some participants changed their media type multiple times, one change was recorded for each participant. Table 13 shows 130 participants changed from their original address media type with the largest number, 63 or 48.5 percent, changing from computer-readable address lists to paper address lists. This change included 33 places, 21 MCDs, eight AIRs, and one county. All of these governments had less than 50,000 addresses with the majority in the 1,000 or fewer address size category.

Twenty-one governments changed from MTPS to paper address lists including 14 places, four MCDs, and three counties. All of these governments had less than 50,000 addresses.

There were 16 governments that changed from MTPS to computer-readable address lists including 11 places, three MCDs, and two counties. All of these governments had less than 50,000 addresses. Thirteen were Option 1 participants.

Nine Option 1 participants and one Option 3 participant changed from computer-readable to MTPS. This change included seven places, two counties, and one MCD. All but one had less than 50,000 addresses.

Only two governments changed from paper to MTPS, one county and one place in the 1,001 – 6,000 address size category.

Table 13. 2010 Census LUCA Address List Media Type Change by Government Type, Size, and Option

Government Type Size* Option	Total	Address List Change: Paper to Computer-readable Total	Paper to Computer-readable % of Total	Paper to MTPS Total	Paper to MTPS % of Total	Computer-readable to Paper Total	Computer-readable to Paper % of Total	Computer-readable to MTPS Total	Computer-readable to MTPS % of Total	MTPS to Paper Total	MTPS to Paper % of Total	MTPS to Computer-readable Total	MTPS to Computer-readable % of Total
State	0	N/A	N/A	N/A	N/A	N/A	N/A	0	0.0	N/A	N/A	0	0.0
AIR	9	1	0.8	0	0.0	8	6.2	0	0.0	0	0.0	0	0.0
County	11	2	1.5	1	0.8	1	0.8	2	1.5	3	2.3	2	1.5
Place	78	12	9.2	1	0.8	33	25.4	7	5.4	14	10.8	11	8.5
MCD	32	3	2.3	0	0.0	21	16.2	1	0.8	4	3.1	3	2.3
Total	**130**	**18**	**13.8**	**2**	**1.5**	**63**	**48.5**	**10**	**7.7**	**21**	**16.2**	**16**	**12.3**
1,000 or fewer	61	9	6.9	0	0.0	38	29.2	1	0.8	7	5.4	6	4.6
1,001 – 6,000	50	9	6.9	2	1.5	21	16.2	2	1.5	11	8.5	5	3.8
6,001 – 50,000	18	0	0.0	0	0.0	4	3.1	6	4.6	3	2.3	5	3.8
50,001 – 100,000	0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0
100,001 – 1,000,000	1	0	0.0	0	0.0	0	0.0	1	0.8	0	0.0	0	0.0
1,000,001 or more	0	0	0.0	0	0.0	0	**0.0**	0	0.0	0	0.0	0	0.0
Total	**130**	**18**	**13.8**	**2**	**1.5**	**63**	**48.5**	**10**	**7.7**	**21**	**16.2**	**16**	**12.3**
Option 1	118	10	7.7	2	1.5	63	48.5	9	6.9	21	16.2	13	10.0
Option 2	9	8	6.2	0	0.0	0	0.0	0	0.0	0	0.0	1	0.8
Option 3	3	0	0.0	0	0.0	0	0.0	1	0.8	0	0.0	2	1.5
Total	**130**	**18**	**13.8**	**2**	**1.5**	**63**	**48.5**	**10**	**7.7**	**21**	**16.2**	**16**	**12.3**

Data Source: Geography Division.
N/A – Not Applicable.
* Government size is determined by the number of residential addresses in the MTdb at the beginning of the LUCA program.
Note: The sum of categories may not equal the total due to rounding.

As shown in Table 14, 71 participants changed options. There were 46 or 64.8 percent that changed to Option 3; 15 or 21.1 percent changed to Option 1; and 10 or 14.1 percent changed to Option 2.

Six counties, five places, three MCDs, and one AIR changed to Option 1. Although 14 of the 15 changes were governments with less than 50,000 addresses, one was in the 100,001 – 1,000,000 address size category.

The 10 participants that changed to Option 2 included seven places and three MCDs. All had less than 50,000 addresses.

Twenty-one places changed to Option 3 followed by 13 MCDs, eight AIRS, and four counties all of which had less than 50,000 addresses.

Table 14. 2010 Census LUCA Changed Option by Government Type and Size

Government Type Size*	Total	Option 1		Option 2		Option 3	
		Total	% of Total	Total	% of Total	Total	% of Total
State	0	0	0.0	0	0.0	0	0.0
AIR	9	1	1.4	0	0.0	8	11.3
County	10	6	8.5	0	0.0	4	5.6
Place	33	5	7.0	7	9.9	21	29.6
MCD	19	3	4.2	3	4.2	13	18.3
Total	**71**	**15**	**21.1**	**10**	**14.1**	**46**	**64.8**
1,000 or fewer	30	6	8.5	6	8.5	18	25.4
1,001 – 6,000	23	4	5.6	3	4.2	16	22.5
6,001 – 50,000	17	4	5.6	1	1.4	12	16.9
50,001 – 100,000	0	0	0.0	0	0.0	0	0.0
100,001 – 1,000,000	1	1	1.4	0	0.0	0	0.0
1,000,001 or more	0	0	0.0	0	0.0	0	0.0
Total	**71**	**15**	**21.1**	**10**	**14.1**	**46**	**64.8**

Data Source: Geography Division.
* Government size is determined by the number of residential addresses in the MTdb at the beginning of the LUCA program.
Note: The sum of categories may not equal the total due to rounding.

Address and Spatial Returns

5.1.5 Question 5: How many participants submitted updated and usable address and/or spatial returns?

The data for the usable address and spatial returns reflect editing by the Regional Office/Regional Census Center staff. Once the edits were complete, staff changed their initial PCS entry of "unusable" to "usable."

- 8,513 returns or 78.6 percent of the total 10,835 participants that could submit address and/or spatial returns (Table 15)

a. Total number and percent of participants that returned updated address and/or spatial materials? (Table 16)

- 8,189 or 96.2 percent of total returns submitted updates
- 324 or 3.8 percent did not submit updates

b. Total number and percent of participants that returned usable updated address and/or spatial materials?

- 8,186 or 99.9 percent of the updates were usable (Table 17)
  - 2,950 or 36.0 percent – address updates only
  - 545 or 6.7 percent – spatial updates only
  - 4,691 or 57.3 percent – address and spatial updates

As shown in Table 15, of the 10,835 participants, 8,513 or 78.6 percent submitted address and/or spatial returns. The largest number and percent of the returns were by places, 5,296 or 62.2 percent, followed by MCDs with 1,919 or 22.5 percent, and counties with 1,222 or 14.4 percent. States had the highest percentage of returns within government types at 85.7 percent followed by counties at 81.1 percent, places at 79.0 percent, MCDs at 77.2 percent, and AIRs at 47.3 percent.

Although the highest numbers and percentages of returns were by governments in the first three government size categories (50,000 or less addresses), governments with 100,001 – 1,000,000 addresses had the highest percentage of returns within government type and size column, at 95.3 percent.

Option 1 participants represent the largest number and percentage of returns with 6,918 or 81.3 percent of the total returns. However, 1,049 or nearly 81.0 percent of the 1,296 Option 2 participants returned address and/or spatial materials.

Table 15. 2010 Census LUCA Total Address and Spatial Returns by Government Type, Size, and Option

Government Type Size* Option	Total Participants	Returns		
		Total	% of Total	% Within Gov't Type and Size
State	28	24	0.3	85.7
AIR	110	52	0.6	47.3
County	1,502	1,222	14.4	81.1
Place	6,707	5,296	62.2	79.0
MCD	2,488	1,919	22.5	77.2
Total	**10,835**	**8,513**	**100.0**	**78.6**
1,000 or fewer	4,056	3,035	35.7	74.8
1,001 – 6,000	3,626	2,840	33.4	78.3
6,001 – 50,000	2,601	2,130	25.0	81.9
50,001 – 100,000	269	240	2.8	89.2
100,001 – 1,000,000	256	244	2.9	95.3
1,000,001 or more	27	24	0.3	88.9
Total	**10,835**	**8,513**	**100.0**	**78.6**
Option 1	8,732	6,918	81.3	79.2
Option 2	1,297	1,049	12.3	80.9
Option 3	806	546	6.4	67.7
Total	**10,835**	**8,513**	**100.0**	**78.6**

Data Source: Geography Division.
* Government size is determined by the number of residential addresses in the MTdb at the beginning of the LUCA program.
Note: The sum of categories may not equal the total due to rounding.

Table 16 contains the address and spatial returns with and without updates by government type, size, and option. Of the total 8,513 returns, 8,189 or 96.2 percent submitted updates while 324 or 3.8 percent of the total returns did not submit updates. Of the 8,189 returns submitted, 8,186 were usable after RO/RCC editing. Three unusable returns were submitted by MCDs, one with 1,000 or fewer addresses, and two in the 1,001 – 6,000 address size category. All three were Option 1 participants.

Places submitted the highest number and percent of returns, 5,296 or 62.2 percent of the total 8,513 returns, followed by MCDs at 1,919 or 22.5 percent, 1,222 or 14.4 percent returns by counties, 52 or 0.6 percent returns by AIRs, and 24 or 0.3 percent by states.

All of the 24 state returns contained updates and were usable. Forty-seven or 90.4 percent of the 52 AIR returns had updates and were usable while five or 9.6 percent did not contain updates. Of the 1,222 county returns, 1,173 or 96.0 percent had updates and were usable and 49 or 4.0 percent did not have updates. Places submitted 5,130 usable updates or 96.9 percent of the total 5,296 returns and 166 or 3.1 percent returns without updates. Of the 1,919 returns submitted by MCDs, 1,815 or 94.6 percent contained updates with 1,812 or 99.8 percent being usable.

Governments with 1,000 or fewer addresses submitted the highest number and percent of returns, 3,035 or 35.7 percent (95.1 percent with updates and 4.9 percent without updates). Governments with 1,001 – 6,000 addresses, 2,840 or 33.4 percent of the total submitted returns, had 96.3 percent with updates and 3.7 percent without. Governments in the 6,001 – 50,000 address size category submitted 2,130 or 25.0 percent of the total returns of which 97.0 percent had updates and 3.0 percent did not have updates. Option 1 participants submitted 6,918 or 81.3 percent of the total returns. Of these returns, 6,683 or 96.6 percent had updates while 235 or 3.4 percent did not have updates.

Table 16. 2010 Census LUCA Total Address and Spatial Returns by Government Type, Size, and Option

Government Type Size* Option	Returns		Returns						Usable Returns With Updates	
			With Updates			Without Updates				
	Total	% of Total	Total	% of Returns	% Within Gov't Type, Size	Total	% of Returns	% Within Gov't Type, Size	Total	% Within Gov't Type, Size
State	24	0.3	24	0.3	100.0	0	0.0	0.0	24	100.0
AIR	52	0.6	47	0.6	90.4	5	0.1	9.6	47	100.0
County	1,222	14.4	1,173	13.8	96.0	49	0.6	4.0	1,173	100.0
Place	5,296	62.2	5,130	60.3	96.9	166	1.9	3.1	5,130	100.0
MCD	1,919	22.5	1,815	21.3	94.6	104	1.2	5.4	1,812	99.8
Total	**8,513**	**100.0**	**8,189**	**96.2**		**324**	**3.8**		**8,186**	
1,000 or fewer	3,035	35.7	2,887	33.9	95.1	148	1.7	4.9	2,886	99.9
1,001 – 6,000	2,840	33.4	2,736	32.1	96.3	104	1.2	3.7	2,734	99.9
6,001 – 50,000	2,130	25.0	2,066	24.3	97.0	64	0.8	3.0	2,066	100.0
50,001 – 100,000	240	2.8	236	2.8	98.3	4	0.0	1.7	236	100.0
100,001 – 1,000,000	244	2.9	240	2.8	98.4	4	0.0	1.6	240	100.0
1,000,001 or more	24	0.3	24	0.3	100.0	0	0.0	0.0	24	100.0
Total	**8,513**	**100.0**	**8,189**	**96.2**		**324**	**3.8**		**8,186**	
Option 1	6,918	81.3	6,683	78.5	96.6	235	2.8	3.4	6,680	99.9
Option 2	1,049	12.3	1,003	11.8	95.6	46	0.5	4.4	1,003	100.0
Option 3	546	6.4	503	5.9	92.1	43	0.5	7.9	503	100.0
Total	**8,513**	**100.0**	**8,189**	**96.2**		**324**	**3.8**		**8,186**	

Data Source: Geography Division.
* Government size is determined by the number of residential addresses in the MTdb at the beginning of the LUCA program.
Note: The sum of categories may not equal the total due to rounding.

Table 17 provides a distribution of the total 8,186 usable returns (after RO/RCC editing) with updates submitted with address updates only, spatial updates only, and address and spatial updates. Address update returns for Option 1 participants include an address list and/or an address count list.

Governments submitted 8,186 updates including address updates only for 2,950 or 36.0 percent, spatial updates only for 545 or 6.7 percent, and address and spatial updates for 4,691 or 57.3 percent. Places submitted 5,130 or 62.7 percent of the total updates.

Updates by government size show that the first three address size categories (50,000 or less addresses) submitted almost 94.0 percent of the total updates. Governments with 1,000 or fewer addresses submitted the highest number and percent, 2,886 or 35.3 percent. Option 1 participants submitted 6,680 or 81.6 percent of the total updates followed by Option 2 with 1,003 or 12.3 percent and Option 3 with 503 or 6.1 percent.

Of the 24 state updates, 19 or 79.2 percent submitted address updates only while one (4.2 percent) submitted spatial updates only, and four (16.7 percent) submitted address and spatial updates. Although places submitted the largest number of address and spatial updates, a higher percentage, 61.2 percent, of MCDs submitted this type of update.

Updates by government size show the first three address size categories (50,000 or less addresses) submitted 4,475 or over 95.0 percent of those submitting address and spatial updates.

Of the 6,680 returns with updates submitted by Option 1 participants, 60.7 percent were address and spatial updates, 34.3 percent were address updates only, and 5.0 percent were spatial updates only. Nearly half, 49.5 percent, of the Option 2 participants submitted address updates only followed by address and spatial updates at 42.6 percent. The Option 3 submissions included 32.2 percent address update only, 26.4 spatial updates only, and 41.4 percent address and spatial updates.

Table 17. 2010 Census LUCA Total Usable Address and Spatial Returns with Updates by Government Type, Size, and Option

Government Type Size* Option	Total Update		Updates								
			Address Update Only			Spatial Updates Only			Address and Spatial Updates		
	Total	% of Total	Total	% of Total Updates	% Within Gov't Type, Size	Total	% of Total Updates	% Within Gov't Type, Size	Total	% of Total Updates	% Within Gov't Type, Size
State	24	0.3	19	0.2	79.2	1	0.0	4.2	4	0.0	16.7
AIR	47	0.6	27	0.3	57.4	3	0.0	6.4	17	0.2	36.2
County	1,173	14.3	610	7.5	52.0	62	0.8	5.3	501	6.1	42.7
Place	5,130	62.7	1,758	21.5	34.3	312	3.8	6.1	3,060	37.4	59.6
MCD	1,812	22.1	536	6.5	29.6	167	2.0	9.2	1,109	13.5	61.2
Total	**8,186**	**100.0**	**2,950**	**36.0**		**545**	**6.7**		**4,691**	**57.3**	
1,000 or fewer	2,886	35.3	1,072	13.1	37.1	169	2.1	5.9	1,645	20.1	57.0
1,001 – 6,000	2,734	33.4	781	9.5	28.6	234	2.9	8.6	1,719	21.0	62.9
6,001 – 50,000	2,066	25.2	823	10.1	39.8	132	1.6	6.4	1,111	13.6	53.8
50,001 – 100,000	236	2.9	114	1.4	48.3	7	0.1	3.0	115	1.4	48.7
100,001 – 1,000,000	240	2.9	142	1.7	59.2	2	0.0	0.8	96	1.2	40.0
1,000,001 or more	24	0.3	18	0.2	75.0	1	0.0	4.2	5	0.1	20.8
Total	**8,186**	**100.0**	**2,950**	**36.0**		**545**	**6.7**		**4,691**	**57.3**	
Option 1	6,680	81.6	2,292	28.0	34.3	332	4.1	5.0	4,056	49.5	60.7
Option 2	1,003	12.3	496	6.1	49.5	80	1.0	8.0	427	5.2	42.6
Option 3	503	6.1	162	2.0	32.2	133	1.6	26.4	208	2.5	41.4
Total	**8,186**	**100.0**	**2,950**	**36.0**		**545**	**6.7**		**4,691**	**57.3**	

Data Source: Geography Division.

* Government size is determined by the number of residential addresses in the MTdb at the beginning of the LUCA program.

Note: The sum of categories may not equal the total due to rounding.

5.1.6 Question 6: What were the characteristics of the usable address lists returned?

a. Number and percent of the total usable address lists returned with updates of usable address lists?

- 7,514 were returned with updates (Table 18)

b. Number and percent of the total usable address lists returned with updates of usable Option 1 address lists with action codes or additional addresses?

- 6,231 or 100.0 percent of the Option 1 address lists were returned with action codes or additional addresses (Table 18)

c. Number and percent of total usable address lists returned with updates of usable Option 1 address lists with one action or one additional address?

- 35 or 0.6 percent of the total Option 1 address lists contained only one action code or one additional address (Table 18)

d. Number and percent of total usable address lists returned with updates of usable Option 1 address count lists with valid block challenges?

- 118 Option 1 address list returns were address count lists with valid block challenges (Table 19)

e. Number and percent of total usable address lists returned with updates of usable Option 1 submissions with both an address list action(s) and valid block challenges?

- 910 or 14.6 percent of the Option 1 returns contained both address list action(s) and valid block challenges (Table 19)

Option 1 participants could update the address list by correcting addresses, deleting addresses, identifying nonresidential addresses and out of jurisdiction addresses, and adding new addresses not on the census address list. Option 2 and Option 3 participants could submit their local address list file of city-style addresses only.

As shown in Table 18, participants submitted 7,514 usable address list files. Places submitted 63.3 percent or 4,755, followed by MCDs with 1,623 or 21.6 percent, and counties with 1,077 or 14.3 percent. Governments in the first three address size categories (50,000 or less addresses) submitted 7,036 address list files, nearly 94.0 percent of the total submissions. Of the total submissions, 6,231 or almost 83.0 percent were by Option 1 participants.

Thirty-five or 0.6 percent of Option 1 participants submitted only one address action or one address. Places submitted 23 or 0.4 percent of the total Option 1 submissions with only one address action followed by MCDs with nine or 0.1 percent. Twenty-one governments with 1,000 or fewer addresses submitted only one action or one address followed by nine governments with 1,001 – 6,000 addresses and three within the 6,001 – 50,000 address size

category. Of the larger governments, there was one return each for the 50,001 – 100,000 address size category and the 100,001 – 1,000,000 address size category.

Table 18. 2010 Census LUCA Characteristics of Usable Address Lists Returned by Government Type, Size, and Option

			Option 1 Address Lists				
	Total Usable Address Updates		Submitted Action Codes or Additional Addresses		Submitted One Action or One Additional Address		
Government Type Size* Option	Total	% of Total	Total	% of Total	Total	% of Total	% Within Gov't Type, Size
State	22	0.3	15	0.2	0	0.0	0.0
AIR	37	0.5	30	0.5	0	0.0	0.0
County	1,077	14.3	596	9.6	3	0.0	0.5
Place	4,755	63.3	4,138	66.4	23	0.4	0.6
MCD	1,623	21.6	1,452	23.3	9	0.1	0.6
Total	**7,514**	**100.0**	**6,231**	**100.0**	**35**	**0.6**	
1,000 or fewer	2,677	35.6	2,442	39.2	21	0.3	0.9
1,001 – 6,000	2,469	32.9	2,151	34.5	9	0.1	0.4
6,001 – 50,000	1,890	25.2	1,335	21.4	3	0.0	0.2
50,001 – 100,000	223	3.0	143	2.3	1	0.0	0.7
100,001 – 1,000,000	232	3.1	144	2.3	1	0.0	0.7
1,000,001 or more	23	0.3	16	0.3	0	0.0	0.0
Total	**7,514**	**100.0**	**6,231**	**100.0**	**35**	**0.6**	
Option 1	6,231	82.9	6,231	100.0	35	0.6	0.6
Option 2	922	12.3	N/A	N/A	N/A	N/A	N/A
Option 3	361	4.8	N/A	N/A	N/A	N/A	N/A
Total	**7,514**	**100.0**	**6,231**	**100.0**	**35**	**0.6**	

Data Source: Geography Division.
N/A – Not Applicable.
* Government size is determined by the number of residential addresses in the MTdb at the beginning of the LUCA program.
Note: The sum of categories may not equal the total due to rounding.

In addition to updating the census address list by correcting addresses, deleting addresses, identifying nonresidential addresses and out of jurisdiction addresses, and adding new addresses not on the census address list, Option 1 participants could challenge the number of addresses within a census block. They could comment on any individual city-style address on the census address list and/or challenge the count of addresses for an entire census block on the address count list, but could not do both within the same block. However, some participants returned both address actions and block challenges. The Regional Office/Regional Census Center staff manually compared the block challenges to the address actions and removed invalid block challenges from the submitted files.

Table 19 shows 118 Option 1 participants returned valid block challenges only. Places submitted 56 or 47.5 percent of the block challenges followed by counties with 34 or 28.8 percent.

Governments with 6,001 – 50,000 addresses submitted 43 or 36.4 percent of the total valid block challenges only, followed by governments with 1,000 or fewer addresses with 35 or 29.7 percent.

Of the 6,231 Option 1 participants, 910 or 14.6 percent returned both address actions and block challenges. Places returned the majority of these submissions with 692 or 11.1 percent of the total Option 1 returns.

Table 19. 2010 Census LUCA Characteristics of Option 1 Usable Address Count List and Address List Files Returned by Government Type and Size

Government Type	Submitted Valid Block Challenges Only		Submitted Both Address Actions and Block Challenges	
Size*	**Total**	**% of Total**	**Total**	**% of Total**
State	1	0.8	5	0.1
AIR	7	5.9	4	0.1
County	34	28.8	75	1.2
Place	56	47.5	692	11.1
MCD	20	16.9	134	2.2
Total	**118**	**100.0**	**910**	**14.6**
1,000 or fewer	35	29.7	461	7.4
1,001 – 6,000	28	23.7	275	4.4
6,001 – 50,000	43	36.4	138	2.2
50,001 – 100,000	6	5.1	17	0.3
100,001 – 1,000,000	6	5.1	18	0.3
1,000,001 or more	0	0.0	1	0.0
Total	**118**	**100.0**	**910**	**14.6**

Data Source: Geography Division.
* Government size is determined by the number of residential addresses in the MTdb at the beginning of the LUCA program.
Note: The sum of categories may not equal the total due to rounding.

5.1.7 Question 7: What were the characteristics of the spatial returns?

a. Number and percent of total spatial returns with updates that returned usable spatial updates (feature update information and/or boundary changes)?

- 5,237 total spatial updates (Table 20)
  - 3,369 or 64.3 percent – feature
  - 466 or 8.9 percent – BAS
  - 1,402 or 26.8 percent – feature and BAS
- Spatial returns media type (Table 21)
  - 3,692 or 70.5 percent – paper maps
  - 801 or 15.3 percent – shapefiles
  - 744 or 14.2 percent – MTPS

b. Number and percent of total spatial returns with updates that returned unusable feature updates only using:

i. Paper maps
ii. Shapefiles
iii. MTPS

- Unusable spatial updates were returned to the participant for corrections or corrections were made by the Regional Census Center with participant corroboration. Therefore, the spatial update tables represent all usable spatial update submissions.

c. Number and percent of total spatial returns with updates that returned usable feature updates only using:

i. Paper maps
ii. Shapefiles
iii. MTPS

- 3,369 feature updates or 64.3 percent of total spatial updates (Table 22)
  - 2,347 or 69.7 percent – paper maps
  - 522 or 15.5 percent – shapefiles
  - 500 or 14.8 percent – MTPS

d. Number and percent of total spatial returns with updates that returned usable boundary updates only using:

i. Paper maps
ii. Shapefiles
iii. MTPS

- 466 boundary updates or 8.9 percent of total spatial updates (Table 23)
  - 277 or 59.4 percent – paper maps
  - 105 or 22.5 percent – shapefiles

- 84 or 18.0 percent – MTPS

e. Number and percent of total spatial returns with updates that returned both usable boundary and feature updates using:

i. Paper maps
ii. Shapefiles
iii. MTPS

- 1,402 feature and boundary updates (Table 24)
  - 1,068 or 76.2 percent – paper maps
  - 174 or 12.4 percent – shapefiles
  - 160 or 11.4 percent – MTPS

In addition to providing address updates, LUCA participants could provide feature and legal boundary updates using the map media they selected (paper maps, shapefiles, or the MTPS).

Table 20 provides the total number of spatial updates submitted by government type, size, and option. Of the 5,237 spatial updates, 3,369 or 64.3 percent submitted feature updates, 466 or 8.9 percent submitted BAS updates, and 1,402 submitted feature and BAS updates.

Most of the spatial submissions were from governments with less than 50,000 addresses. The first three address size categories (50,000 or less addresses) submitted 5,011 updates or 95.7 percent of the total with 1,001 – 6,000 addresses at 37.3 percent, followed by 1,000 or fewer addresses at 34.7 percent, and 6,001 – 50,000 at 23.7 percent.

Option 1 participants submitted 4,389 or 83.8 percent of the total spatial submissions while Option 2 participants submitted 507 or 9.7 percent and Option 3 participants submitted 341 or 6.5 percent.

Table 20. 2010 Census LUCA Spatial Updates Submitted by Government Type, Size, and Option

Government Type Size* Option	Total Spatial Updates Submitted		Total Feature Update Submitted			Total BAS Updates Submitted			Total Feature and BAS Updates Submitted		
	Total	% of Total	Total	% of Total Spatial Updates	% Within Gov't Type, Size	Total	% of Total Spatial Updates	% Within Gov't Type, Size	Total	% of Total Spatial Updates	% Within Gov't Type, Size
State	5	0.1	5	0.1	100.0	N/A	N/A	N/A	0	N/A	N/A
AIR	20	0.4	16	0.3	80.0	2	0.0	10.0	2	0.0	10.0
County	563	10.8	406	7.8	72.1	39	0.7	6.9	118	2.3	21.0
Place	3,372	64.4	1,793	34.2	53.2	410	7.8	12.2	1,169	22.3	34.7
MCD	1,277	24.4	1,149	21.9	90.0	15	0.3	1.2	113	2.2	8.8
Total	**5,237**	**100.0**	**3,369**	**64.3**		**466**	**8.9**		**1,402**	**26.8**	
1,000 or fewer	1,815	34.7	1,127	21.5	62.1	177	3.4	9.8	511	9.8	28.2
1,001 – 6,000	1,953	37.3	1,295	24.7	66.3	139	2.7	7.1	519	9.9	26.6
6,001 – 50,000	1,243	23.7	793	15.1	63.8	122	2.3	9.8	328	6.3	26.4
50,001 – 100,000	122	2.3	83	1.6	68.0	15	0.3	12.3	24	0.5	19.7
100,001 – 1,000,000	98	1.9	65	1.2	66.3	13	0.2	13.3	20	0.4	20.4
1,000,001 or more	6	0.1	6	0.1	100.0	0	0.0	0.0	0	0.0	0.0
Total	**5,237**	**100.0**	**3,369**	**64.3**		**466**	**8.9**		**1,402**	**26.8**	
Option 1	4,389	83.8	2,847	54.4	64.9	364	7.0	8.3	1,178	22.5	26.8
Option 2	507	9.7	303	5.8	59.8	73	1.4	14.4	131	2.5	25.8
Option 3	341	6.5	219	4.2	64.2	29	0.6	8.5	93	1.8	27.3
Total	**5,237**	**100.0**	**3,369**	**64.3**		**466**	**8.9**		**1,402**	**26.8**	

Data Source: Geography Division.
N/A – Not Applicable
* Government size is determined by the number of residential addresses in the MTdb at the beginning of the LUCA program.
Note: The sum of categories may not equal the total due to rounding.

Table 21 shows the total number of spatial updates by the media type submitted (paper, shapefiles, or the MTPS).

Of 5,237 spatial submissions, the highest number and percentage, 3,692 or 70.5 percent were paper maps followed by 801 or 15.3 percent as shapefiles and 744 or 14.2 percent by MTPS.

Since states could not use paper maps, three or 60.0 percent submitted shapefiles and two or 40.0 percent submitted by MTPS. Of the 20 AIR submissions, 13 or 65.0 percent used paper maps while only one submitted shapefiles and six or 30.0 percent submitted by MTPS. Over 43.0 percent of counties submitted shapefiles with 29.8 percent submitting paper and 26.6 percent submitting by MTPS.

Almost 86.0 percent of MCDs submitted paper updates with only 6.0 percent using shapefiles and 8.1 percent using the MTPS. Although 71.6 percent of places submitted paper map updates, the remainder were nearly evenly divided between shapefiles, 14.1 percent, and MTPS, 14.3 percent submissions.

Of the 1,815 submissions by governments with 1,000 or fewer addresses, 1,703 or 93.8 percent used paper maps. In addition, 79.0 percent of governments within the 1,000 – 6,000 address size category submitted paper maps.

Table 21. 2010 Census LUCA Spatial Updates Submitted by Media Type by Government Type, Size, and Option

Government Type Size* Option	Total Spatial Updates Submitted		Media Type								
			Paper			Shapefiles			MTPS		
	Total	% of Total	Total	% of Total Spatial Updates	% Within Gov't Type, Size	Total	% of Total Spatial Updates	% Within Gov't Type, Size	Total	% of Total Spatial Updates	% Within Gov't Type, Size
State	5	0.1	N/A	N/A	N/A	3	0.1	60.0	2	0.0	40.0
AIR	20	0.4	13	0.2	65.0	1	0.0	5.0	6	0.1	30.0
County	563	10.8	168	3.2	29.8	245	4.7	43.5	150	2.9	26.6
Place	3,372	64.4	2,414	46.1	71.6	475	9.1	14.1	483	9.2	14.3
MCD	1,277	24.4	1,097	20.9	85.9	77	1.5	6.0	103	2.0	8.1
Total	**5,237**	**100.0**	**3,692**	**70.5**		**801**	**15.3**		**744**	**14.2**	
1,000 or fewer	1,815	34.7	1,703	32.5	93.8	42	0.8	2.3	70	1.3	3.9
1,001 – 6,000	1,953	37.3	1,549	29.6	79.3	180	3.4	9.2	224	4.3	11.5
6,001 – 50,000	1,243	23.7	420	8.0	33.8	450	8.6	36.2	373	7.1	30.0
50,001 – 100,000	122	2.3	11	0.2	9.0	63	1.2	51.6	48	0.9	39.3
100,001 – 1,000,000	98	1.9	9	0.2	9.2	62	1.2	63.3	27	0.5	27.6
1,000,001 or more	6	0.1	0	0.0	0.0	4	0.1	66.7	2	0.0	33.3
Total	**5,237**	**100.0**	**3,692**	**70.5**		**801**	**15.3**		**744**	**14.2**	
Option 1	4,389	83.8	3,179	60.7	72.4	556	10.6	12.7	654	12.5	14.9
Option 2	507	9.7	251	4.8	49.5	191	3.6	37.7	65	1.2	12.8
Option 3	341	6.5	262	5.0	76.8	54	1.0	15.8	25	0.5	7.3
Total	**5,237**	**100.0**	**3,692**	**70.5**		**801**	**15.3**		**744**	**14.2**	

Data Source: Geography Division.
N/A – Not Applicable
* Government size is determined by the number of residential addresses in the MTdb at the beginning of the LUCA program.
Note: The sum of categories may not equal the total due to rounding.

Table 22 shows the media type used by the 3,369 governments that submitted feature updates only by government type, size, and option. Places submitted the highest number and percentage, 1,793 or 53.2 percent of the total feature updates with 1,236 or 36.7 percent using paper maps. Places also had the highest number and percentage of shapefile and MTPS feature update submissions. Of the five states that submitted feature updates, three or 60.0 percent used shapefiles while two or 40.0 percent used MTPS.

Governments with 1,001-6,000 addresses submitted the highest number and percentage of the feature updates with 1,295 or 38.4 percent of the total number of submissions followed by 1,000 or fewer addresses with 1,127 or 33.5 percent.

Option 1 participants submitted 2,847 or 84.5 percent of the total feature updates with 2,024 or 60.1 percent using paper maps, 13.4 percent using the MTPS and 11.0 percent using shapefiles.

Over 85.0 percent of the 1,149 updates by MCDs were with paper maps followed by 68.9 percent of places, and 62.5 percent of AIRs. A little over 42.2 percent of counties submitted shapefile feature updates.

Ninety-four percent of governments in the 1,000 or fewer address size category used paper maps to submit their updates while 78.6 percent in the 1,001 – 6,000 address size category used paper maps. The majority of governments in the 50,001 – 100,000, 100,001 – 1,000,000, and 1,000,001 or more address size categories submitted shapefiles followed by submissions using the MTPS.

Option 3 had the highest percentage, 77.6 percent, of the three options that submitted paper map feature updates followed by Option 1 at 71.1 percent.

Table 22. 2010 Census LUCA Feature Updates Only and Media Type by Government Type, Size, and Option

Government Type Size* Option	Total Feature Updates Submitted		Media Type								
			Paper			Shapefiles			MTPS		
	Total	% of Total	Total	% of Total Feature Updates	% Within Gov't Type, Size	Total	% of Total Feature Updates	% Within Gov't Type, Size	Total	% of Total Feature Updates	% Within Gov't Type, Size
State	5	0.1	0	0.0	0.0	3	0.1	60.0	2	0.1	40.0
AIR	16	0.5	10	0.3	62.5	1	0.0	6.3	5	0.1	31.3
County	406	12.1	121	3.6	29.8	171	5.1	42.1	114	3.4	28.1
Place	1,793	53.2	1,236	36.7	68.9	274	8.1	15.3	283	8.4	15.8
MCD	1,149	34.1	980	29.1	85.3	73	2.2	6.4	96	2.8	8.4
Total	**3,369**	**100.0**	**2,347**	**69.7**		**522**	**15.5**		**500**	**14.8**	
1,000 or fewer	1,127	33.5	1,059	31.4	94.0	31	0.9	2.8	37	1.1	3.3
1,001 – 6,000	1,295	38.4	1,018	30.2	78.6	117	3.5	9.0	160	4.7	12.4
6,001 – 50,000	793	23.5	260	7.7	32.8	284	8.4	35.8	249	7.4	31.4
50,001 – 100,000	83	2.5	6	0.2	7.2	44	1.3	53.0	33	1.0	39.8
100,001 – 1,000,000	65	1.9	4	0.1	6.2	42	1.2	64.6	19	0.6	29.2
1,000,001 or more	6	0.2	0	0.0	0.0	4	0.1	66.7	2	0.1	33.3
Total	**3,369**	**100.0**	**2,347**	**69.7**		**522**	**15.5**		**500**	**14.8**	
Option 1	2,847	84.5	2,024	60.1	71.1	371	11.0	13.0	452	13.4	15.9
Option 2	303	9.0	153	4.5	50.5	116	3.4	38.3	34	1.0	11.2
Option 3	219	6.5	170	5.0	77.6	35	1.0	16.0	14	0.4	6.4
Total	**3,369**	**100.0**	**2,347**	**69.7**		**522**	**15.5**		**500**	**14.8**	

Data Source: Geography Division.
* Government size is determined by the number of residential addresses in the MTdb at the beginning of the LUCA program.
Note: The sum of categories may not equal the total due to rounding.

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During their LUCA address review, participants could provide updates to their legal boundaries through the Boundary and Annexation Survey (BAS) using paper maps, shapefiles, or the MTPS. Table 23 shows the media type used to submit boundary updates only by government type, size, and option.

Participants submitted 466 legal boundary updates of which 277 or 59.4 percent were paper maps, 105 or 22.5 percent were shapefiles, and 84 or 18.0 percent were through the MTPS.

Places submitted the highest number and percentage, 410 or 88.0 percent, of the total legal boundary updates with over 63.2 percent submitting paper maps.

Governments with 1,000 or fewer addresses submitted the highest number and percentage of the total number of boundary updates, 177 or 38.0 percent followed by governments with 1,001 – 6,000 addresses, 139 or 29.8 percent, and governments with 6,001 – 50,000 addresses, 122 or 26.2 percent. Together, these governments submitted 94.0 percent of the total boundary submissions.

Option 1 participants submitted 364 or 78.1 percent of the total boundary updates followed by Option 2 with 73 or 15.7 percent, and Option 3 with 29 or 6.2 percent.

Both of the AIRs submitted their boundary updates using paper maps, while 11 of the 15 or 73.3 percent of the MCDs used this media type. Of the 39 counties, 23 or 59.0 percent submitted shapefiles, 11 or 28.4 percent submitted using the MTPS, and five or 12.8 percent submitted paper maps.

Of the 177 governments with 1,000 or fewer addresses, 157 or 88.7 percent submitted paper maps. A higher percentage of governments in the 6,001 – 50,000, 50,001 – 100,000, and the 100,001 – 1,000,000 address size categories submitted legal boundary updates using shapefiles or the MTPS.

Table 23. 2010 Census LUCA Boundary (BAS) Updates Only and Media Type by Government Type, Size, and Option

Government Type Size* Option	Total BAS Updates Submitted		Media Type								
			Paper			Shapefiles			MTPS		
	Total	% of Total	Total	% of Total BAS Updates	% Within Gov't Type, Size	Total	% of Total BAS Updates	% Within Gov't Type, Size	Total	% of Total BAS Updates	% Within Gov't Type, Size
State	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
AIR	2	0.4	2	0.4	100.0	0	0.0	0.0	0	0.0	0.0
County	39	8.4	5	1.1	12.8	23	4.9	59.0	11	2.4	28.2
Place	410	88.0	259	55.6	63.2	80	17.2	19.5	71	15.2	17.3
MCD	15	3.2	11	2.4	73.3	2	0.4	13.3	2	0.4	13.3
Total	**466**	**100.0**	**277**	**59.4**		**105**	**22.5**		**84**	**18.0**	
1,000 or fewer	177	38.0	157	33.7	88.7	6	1.3	3.4	14	3.0	7.9
1,001 – 6,000	139	29.8	91	19.5	65.5	28	6.0	20.1	20	4.3	14.4
6,001 – 50,000	122	26.2	27	5.8	22.1	55	11.8	45.1	40	8.6	32.8
50,001 – 100,000	15	3.2	1	0.2	6.7	9	1.9	60.0	5	1.1	33.3
100,001 – 1,000,000	13	2.8	1	0.2	7.7	7	1.5	53.8	5	1.1	38.5
1,000,001 or more	0	0.0	0	0.0	0.0	0	0.0	0.0	0	0.0	0.0
Total	**466**	**100.0**	**277**	**59.4**		**105**	**22.5**		**84**	**18.0**	
Option 1	364	78.1	225	48.3	61.8	71	15.2	19.5	68	14.6	18.7
Option 2	73	15.7	34	7.3	46.6	28	6.0	38.4	11	2.4	15.1
Option 3	29	6.2	18	3.9	62.1	6	1.3	20.7	5	1.1	17.2
Total	**466**	**100.0**	**277**	**59.4**		**105**	**22.5**		**84**	**18.0**	

Data Source: Geography Division.
* Government size is determined by the number of residential addresses in the MTdb at the beginning of the LUCA program.
Note: The sum of categories may not equal the total due to rounding.

Table 24 shows the media type used by governments that submitted both feature and boundary updates by government type, size, and option.

Of the 1,402 governments that submitted feature and boundary updates, 1,068 or 76.2 percent were paper submissions, 174 or 12.4 percent were shapefiles, and 160 or 11.4 percent were through the MTPS. Places submitted the highest number and percentage, 1,169 or 83.4 percent of the total submissions while counties and MCDs were nearly equally divided with 118 or 8.4 percent and 113 or 8.1 percent. Governments with 1,000 or fewer addresses and 1,001 – 6,000 addresses together submitted 1,030 updates or almost 75.0 percent of the total. Option 1 participants submitted 1,178 updates or 84.0 percent of the total 1,402 submissions.

Nearly all of the governments with 1,000 or fewer addresses, 487 or 95.3 percent of the 511 submissions used paper maps. Among governments with 1,001 – 6,000 addresses, 84.8 percent also submitted paper maps.

Almost 80.0 percent of Option 3 and 79.0 percent of Option 1 participants submitted paper map updates.

Of the two AIR update submissions, one submitted paper maps and one submitted using the MTPS. The highest percentage of shapefiles within government type submissions were counties at 43.2 percent while 65.0 percent of governments with 100,001 – 1,000,000 addresses submitted shapefiles and nearly 36.0 percent of Option 2 participants submitted shapefiles.

In addition to the one AIR submission (50.0 percent), the highest percentage of MTPS submissions were counties (21.2 percent), governments with 50,001 – 100,000 addresses (41.7 percent), and Option 2 participants (15.3 percent).

Table 24. 2010 Census LUCA Feature and Boundary (BAS) Updates and Media Type by Government Type, Size, and Option

Government Type Size* Option	Total Feature and BAS Updates Submitted		Media Type								
			Paper			Shapefiles			MTPS		
	Total	% of Total	Total	% of Total Feature and BAS Updates	% Within Gov't Type, Size	Total	% of Total Feature and BAS Updates	% Within Gov't Type, Size	Total	% of Total Feature and BAS Updates	% Within Gov't Type, Size
State	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
AIR	2	0.1	1	0.1	50.0	0	0.0	0.0	1	0.1	50.0
County	118	8.4	42	3.0	35.6	51	3.6	43.2	25	1.8	21.2
Place	1,169	83.4	919	65.5	78.6	121	8.6	10.4	129	9.2	11.0
MCD	113	8.1	106	7.6	93.8	2	0.1	1.8	5	0.4	4.4
Total	**1,402**	**100.0**	**1,068**	**76.2**		**174**	**12.4**		**160**	**11.4**	
1,000 or fewer	511	36.4	487	34.7	95.3	5	0.4	1.0	19	1.4	3.7
1,001 – 6,000	519	37.0	440	31.4	84.8	35	2.5	6.7	44	3.1	8.5
6,001 – 50,000	328	23.4	133	9.5	40.5	111	7.9	33.8	84	6.0	25.6
50,001 – 100,000	24	1.7	4	0.3	16.7	10	0.7	41.7	10	0.7	41.7
100,001 – 1,000,000	20	1.4	4	0.3	20.0	13	0.9	65.0	3	0.2	15.0
1,000,001 or more	0	0.0	0	0.0	0.0	0	0.0	0.0	0	0.0	0.0
Total	**1,402**	**100.0**	**1,068**	**76.2**		**174**	**12.4**		**160**	**11.4**	
Option 1	1,178	84.0	930	66.3	78.9	114	8.1	9.7	134	9.6	11.4
Option 2	131	9.3	64	4.6	48.9	47	3.4	35.9	20	1.4	15.3
Option 3	93	6.6	74	5.3	79.6	13	0.9	14.0	6	0.4	6.5
Total	**1,402**	**100.0**	**1,068**	**76.2**		**174**	**12.4**		**160**	**11.4**	

Data Source: Geography Division.
N/A – Not Applicable
* Government size is determined by the number of residential addresses in the MTdb at the beginning of the LUCA program.
Note: The sum of categories may not equal the total due to rounding.

5.1.8 Question 8: What are the characteristics of the participants that did not return address updates or block challenges?

a. Number and percent of participants mailed the closeout letter that checked the reason for not updating the address product(s) as agreeing with the Census Bureau's address list and/or address count list?

- 601 or 25.4 percent of 2,958 letters mailed agreed with the Census Bureau's address product(s) (Table 25)

i. Number and percent of participants that indicated they wanted address feedback products?

- 406 or 67.6 percent requested feedback products (Table 26)

ii. Number and percent of participants that indicated they did not want address feedback products?

- 195 or 32.4 percent did not request feedback products (Table 26)

b. Number and percent of participants mailed the closeout letter that checked each additional reason for not updating the address products including:

i. Insufficient staff

ii. Lack of funds

iii. No time

iv. No local address list available

v. LUCA review performed by a higher level of government

vi. Other

- 1,767 governments provided reasons for their decision not to participate (Table 25)
- 3,233 reasons were provided for not participating with some governments selecting multiple reasons (Table 27):
  1. "Insufficient Staff" – 904
  2. "No time" – 902
  3. "Other reason" – 753 (governments provided a variety of reasons not listed)
  4. "Lack of Funds," – 262
  5. "LUCA Review Performed by a Higher Level of Government " – 241
  6. "No Local Address List Available" – 171

At the end of the address list review period, participants that received LUCA materials but did not provide updates, did not return the address materials, or did not inform the Census Bureau of a decision to drop out of the program, received a closeout letter indicating that their allotted review period had passed. Included in a checklist of reasons for not returning materials, participants were asked if they had reviewed the address materials and agreed with the Census

Bureau's initial address list and/or address count. Those that responded that they agreed with the LUCA address products ("a" responders) received a second letter asking if they wished to receive LUCA feedback materials for their review.

Table 25 provides a distribution for the closeout letter including the total mailout, the number and percentage of respondents, the number and percentage that responded "a" they agreed with Census Bureau's address products, and the number and percentage of those that responded with a reason or reasons.

Of the total 2,958 letters mailed, 2,368 or 80.1 percent responded. Of the respondents, 601 or 25.4 percent responded "a" they agreed with the Census Bureau's address products while 1,767 or 74.6 percent provided reason(s) for not returning address materials.

Although nearly 60.0 percent of the total mailout was to places with 80.8 percent responding, the largest percent response was from MCDs with 81.8 percent.

Table 25. 2010 Census LUCA Closeout Letter Responses by Government Type, Size, and Option

						Responses to Mailout					
	Total Mailout		Total Responses to Mailout			"a" Responses Agreed with Census Bureau			Responses with Reason(s)		
Government Type Size* Option	Total	% of Total	Total	% of Total Mailout	% Within Gov't Type, Size	Total	% of Total Responses	% Within Gov't Type, Size	Total	% of Total Responses	% Within Gov't Type, Size
State	5	0.2	3	0.1	60.0	0	0.0	0.0	3	0.1	100.0
AIR	62	2.1	33	1.1	53.2	16	0.7	48.5	17	0.7	51.5
County	359	12.1	278	9.4	77.4	59	2.5	21.2	219	9.2	78.8
Place	1,762	59.6	1,424	48.1	80.8	377	15.9	26.5	1,047	44.2	73.5
MCD	770	26.0	630	21.3	81.8	149	6.3	23.7	481	20.3	76.3
Total	**2,958**	**100.0**	**2,368**	**80.1**		**601**	**25.4**		**1,767**	**74.6**	
1,000 or fewer	1,263	42.7	1,017	34.4	80.5	271	11.4	26.6	746	31.5	73.4
1,001 – 6,000	1,034	35.0	829	28.0	80.2	204	8.6	24.6	625	26.4	75.4
6,001 – 50,000	603	20.4	478	16.2	79.3	121	5.1	25.3	357	15.1	74.7
50,001 – 100,000	36	1.2	27	0.9	75.0	4	0.2	14.8	23	1.0	85.2
100,001 – 1,000,000	18	0.6	15	0.5	83.3	1	0.0	6.7	14	0.6	93.3
1,000,001 or more	4	0.1	2	0.1	50.0	0	0.0	0.0	2	0.1	100.0
Total	**2,958**	**100.0**	**2,368**	**80.1**		**601**	**25.4**		**1,767**	**74.6**	
Option 1	2,206	74.6	1,746	59.0	79.1	453	19.1	25.9	1,293	54.6	74.1
Option 2	344	11.6	271	9.2	78.8	67	2.8	24.7	204	8.6	75.3
Option 3	408	13.8	351	11.9	86.0	81	3.4	23.1	270	11.4	76.9
Total	**2,958**	**100.0**	**2,368**	**80.1**		**601**	**25.4**		**1,767**	**74.6**	

Data Source: Geography Division.
N/A – Not Applicable
* Government size is determined by the number of residential addresses in the MTdb at the beginning of the LUCA program.
Note: The sum of categories may not equal the total due to rounding.

The 601 governments that responded "a" they agreed with the Census Bureau's address materials received a second letter asking if they wished to receive LUCA feedback materials for their review.

According to Table 26, 406 or 67.6 percent requested feedback materials while 195 or 32.4 percent did not request feedback. All governments in the 50,001 – 100,000 address size category and the one government in the 100,001 – 1,000,000 address size category requested feedback.

Nearly half (47.8 percent) of the total requests were Option 1 participants. However, all of the 81 Option 3 participants requested feedback.

Table 26. 2010 Census LUCA Closeout Letter "a" Respondents Request for Feedback Materials by Government Type, Size, and Option

	"a" Responders Agreed with Census Bureau		Requested Feedback Materials			Did Not Request Feedback Materials		
Government Type Size* Option	**Total**	**% of Total**	**Total**	**% of Total "a" Responses**	**% Within Gov't Type, Size**	**Total**	**% of Total "a" Responses**	**% Within Gov't Type, Size**
State	0	0.0	0	0.0	0.0	0	0.0	0.0
AIR	16	2.7	12	2.0	75.0	4	0.7	25.0
County	59	9.8	40	6.7	67.8	19	3.2	32.2
Place	377	62.7	252	41.9	66.8	125	20.8	33.2
MCD	149	24.8	102	17.0	68.5	47	7.8	31.5
Total	**601**	**100.0**	**406**	**67.6**		**195**	**32.4**	
1,000 or fewer	271	45.1	168	28.0	62.0	103	17.1	38.0
1,001 – 6,000	204	33.9	139	23.1	68.1	65	10.8	31.9
6,001 – 50,000	121	20.1	94	15.6	77.7	27	4.5	22.3
50,001 – 100,000	4	0.7	4	0.7	100.0	0	0.0	0.0
100,001 – 1,000,000	1	0.2	1	0.2	100.0	0	0.0	0.0
1,000,001 or more	0	0.0	0	0.0	0.0	0	0.0	0.0
Total	**601**	**100.0**	**406**	**67.6**		**195**	**32.4**	
Option 1	453	75.4	287	47.8	63.4	166	27.6	36.6
Option 2	67	11.1	38	6.3	56.7	29	4.8	43.3
Option 3	81	13.5	81	13.5	100.0	0	0.0	0.0
Total	**601**	**100.0**	**406**	**67.6**		**195**	**32.4**	

Data Source: Geography Division.
* Government size is determined by the number of residential addresses in the MTdb at the beginning of the LUCA program.
Note: The sum of categories may not equal the total due to rounding.

Table 27 provides a compilation of the reasons for not returning address materials. There were 1,767 governments that provided 3,233 reasons for not returning materials with some governments providing more than one reason. "Insufficient Staff" and "No time/too busy" were the most often cited reasons for governments not returning address materials with 904 and 902 selections, respectively. The top two reasons provided in the 753 "Other reason" responses included "No computer hardware/knowledge/skills" and "Too complicated."[4] See Attachment B for percentages.

[4] The *Survey Results of Non-Participating Governments Eligible for the 2010 Census Local Update of Census Addresses (LUCA) Program* provides an in-depth analysis of why governments did not return the Census Bureau address materials.

Table 27. 2010 Census LUCA Reasons for Not Returning Address Materials by Government Type, Size, and Option

Government Type Size* Option	Total Reasons	% of Total	Reasons					
			b. Insufficient Staff	c. Lack of Funds	d. No Time/ Too Busy	e. No Local Address List Available	f. LUCA Review Performed by a Higher Level of Government	g. Other Reason
State	4	0.1	1	1	1	0	0	1
AIR	38	1.2	11	3	10	2	1	11
County	443	13.7	122	44	126	26	8	117
Place	1,866	57.7	549	130	526	86	129	446
MCD	882	27.3	221	84	239	57	103	178
Total	**3,233**	**100.0**	**904**	**262**	**902**	**171**	**241**	**753**
1,000 or fewer	1,351	41.8	371	115	380	73	100	312
1001 – 6000	1,142	35.3	324	84	313	65	85	271
6001 – 50,000	674	20.8	190	62	192	29	49	152
50,001 – 100,000	36	1.1	11	0	10	0	6	9
100,001 – 1,000,000	27	0.8	7	0	7	4	1	8
1,000,001 or more	3	0.1	1	1	0	0	0	1
Total	**3,233**	**100.0**	**904**	**262**	**902**	**171**	**241**	**753**
Option 1	2,361	73.0	675	194	682	107	165	538
Option 2	375	11.6	98	26	103	21	29	98
Option 3	497	15.4	131	42	117	43	47	117
Total	**3,233**	**100.0**	**904**	**262**	**902**	**171**	**241**	**753**

Data Source: Geography Division.

* Government size is determined by the number of residential addresses in the MTdb at the beginning of the LUCA program.

Note: The sum of categories may not equal the total due to rounding.

Detailed Processing Results of Usable Participant Submitted Address Returns

5.1.9 Question 9: How many usable government address files did the Geography Division (GEO) process and what are the processing results and characteristics of the address records? (State participants are counted as a single return, even though they may have submitted multiple county-level files.)

a. Number and percent of the usable address list files with updates that were processed?

- 7,514 – address list files processed (Table 28)

Table 28 provides the total number and percent of the usable address list files submitted by participants and processed by GEO. Participants submitted 7,514 address list files. Places submitted 4,755 or 63.3 percent of the address list files, followed by MCDs with 1,623 or 21.6 percent, and counties with 1,077 or 14.5 percent. Governments in the first three address category sizes (50,000 or less addresses) submitted 7,036 address list files, nearly 94.0 percent of the total submissions. Of the total submissions, 6,231 or almost 83.0 percent were by Option 1 participants.

Table 28. 2010 Census LUCA Processing Results and Characteristics of Address Records by Government Type, Size, and Option

Government Type Size* Option	Usable Address Lists Submitted and Processed	
	Total	**% of total**
State	22	0.3
AIR	37	0.5
County	1,077	14.3
Place	4,755	63.3
MCD	1,623	21.6
Total	**7,514**	**100.0**
1,000 or fewer	2,677	35.6
1,001 – 6,000	2,469	32.9
6,001 – 50,000	1,890	25.1
50,001 – 100,000	223	3.0
100,001 – 1,000,000	232	3.1
1,000,001 or more	23	0.3
Total	**7,514**	**100.0**
Option 1	6,231	82.9
Option 2	922	12.3
Option 3	361	4.8
Total	**7,514**	**100.0**

Data Source: Geography Division.
* Government size is determined by the number of residential addresses in the MTdb at the beginning of the LUCA program.
Note: The sum of categories may not equal the total due to rounding.

5.1.10 Question 10: What are the address record processing results summed to state and nationally to AIR?

(Table 29, Top 75.0 Percent Government Type Participation by State; Table 30, Top 75.0 Percent County Participation by State; Table 31, Place Participation by State; Table 32, MCD Participation by State)

a. Number of address records received?
b. Number of address records rejected by code?
c. Number of address records identified as
  i. New adds to the MAF
  ii. Merged with existing active MAF records
  iii. Merged with existing MAF records which otherwise would not have been included in the Address Canvassing Operation
d. Number of group quarters (GQ) identified as
  i. New adds to the MAF
  ii. Merged with existing active MAF records
  iii. Merged with existing MAF records which otherwise would not have been included in the Address Canvassing Operation
e. Number of Option 1 processed address records with action codes of
  i. J – out of jurisdiction
  ii. C – correction (house #)
  iii. All other Cs – other types of corrections (e.g., block number changes)
  iv. N – nonresidential
  v. D – deletes
f. Number of participant address records merged with other LUCA records and merged to pre-existing address records in the MAF?
g. Number of existing ungeocoded address records in the MAF assigned a block code by a LUCA participant?
h. Number of address records supplied without geocodes which were assigned geocodes through MAF Upload Processing?
i. Number of participant address records supplied without geocodes which were not assigned geocodes through MAF Upload Processing and were rejected?
j. Of the total LUCA addresses processed, how many addresses were added and matched to existing records (active and retired) by TEA?

Attachment B, Table 29 provides a detailed table of the number and percentages for state, county, place, MCD, and AIR eligibility and participation within each state, active after the dropout phase, address file returns, the number of address records received, and the number of address records processed. In addition, Attachment B, Table 30 contains the same information for counties within each state; Table 31 for places within each state, and; Table 32 for MCDs within each state.

Table 29 shows government types by state of the invited governments that registered for the program and had both 75.0 percent active participation and 75.0 percent of address records returned after the drop out phase. The involvement and assistance of state agencies seems to be a factor in participation and return rates for counties.

For example, the highest percent of registration and returns was by counties in the state of Georgia. The Georgia Department of Community Affairs coordinated with Georgia Regional Development Centers to provide counties and cities with technical assistance for their address and map updates (Georgia Department of Community Affairs, 2011). Of the 155 counties that were invited, 150 or 96.8 percent of the governments eligible to participate remained active after the drop phase. Of the 150 active participants, 144 or 96.0 percent returned address and map files with 2,023,403 address records processed of the 2,037,347 submitted.

The state of Florida offered technical assistance grants for the LUCA program to local governments through their Department of Community Affairs. These grants were available to assist with funding for resources such as staff or the purchase or lease of computer equipment and software. In addition, the Florida Local Update of Census Addresses website provided extensive, comprehensive, and up to date information for LUCA participants (The Florida Legislature, 2008). After the drop out phase, 57 of the 66 eligible counties or 86.4 percent remained active. Of the 57 counties, 54 or 94.7 percent returned files with 3,244,186 address records processed of the 3,275,790 records submitted.

Table 29. 2010 Census LUCA Top 75.0 Percent Government Type Participation and Address Records Received and Processed Summed by State and Nationally by AIR

	Invited Governments									
State	Gov't Type	Total Invited	Total Registered	% Registered	Active After Drop Out	% Active	Files Returned	% Returned	Address Records Returned	Address Records Processed
HI	CO	4	4	100.0	4	100.0	4	100.0	9,948	9,777
GA	CO	155	151	97.4	150	96.8	144	96.0	2,037,347	2,023,403
SC	CO	46	44	95.7	42	91.3	40	95.2	929,572	924,176
FL	CO	66	59	89.4	57	86.4	54	94.7	3,275,790	3,244,186
MD	CO	23	20	87.0	20	87.0	18	90.0	559,368	559,041
WY	CO	23	20	87.0	20	87.0	18	90.0	62,686	62,505
AZ	CO	15	13	86.7	13	86.7	12	92.3	263,211	263,116
CA	CO	57	49	86.0	47	82.5	43	91.5	1,265,482	1,252,871
NY	CO	57	48	84.2	45	78.9	39	86.7	445,057	441,019
AZ	PL	90	75	83.3	75	83.3	66	88.0	1,030,555	1,029,815
NV	PL	19	15	78.9	15	78.9	12	80.0	242,305	242,189
NV	CO	16	12	75.0	12	75.0	10	83.3	437,784	437,733
AIR		**331**	**114**	**34.4**	**110**	**33.2**	**52**	**47.3**	**17,729**	**17,616**
National Totals		**39,329**	**11,500**	**29.2**	**10,835**	**78.6**	**8,513**	**78.6**	**41,847,177**	**41,686,242**

Source: Geography Division.
Note: The sum of categories may not equal the total due to rounding.

Table 30 contains the number of counties in ten states that had both 75.0 percent participation and 75.0 percent of address files returned. The table also contains the number of address records submitted and subsequently processed by the Census Bureau.

Of the 462 counties that were eligible, 410 or nearly 89.0 percent participated with 382 or 93.2 percent returns.

Table 30. 2010 Census LUCA Top 75.0 Percent County Participation and Address Records Received and Processed Summed by State

	Eligible Governments								
State	Total Counties	Total Registered	Registered of Total	Total After Drop Out	% Active After Drop Out	Address Files Returned	% Returned	Address Records Received	Address Records Processed
HI	4	4	100.0	4	100.0	4	100.0	9,948	9,777
GA	155	151	97.4	150	96.8	144	96.0	2,037,347	2,023,403
SC	46	44	95.7	42	91.3	40	95.2	929,572	924,176
MD	23	20	87.0	20	87.0	18	90.0	559,368	559,041
WY	23	20	87.0	20	87.0	18	90.0	62,686	62,505
AZ	15	13	86.7	13	86.7	12	92.3	263,211	263,116
FL	66	59	89.4	57	86.4	54	94.7	3,275,790	3,244,186
CA	57	49	86.0	47	82.5	43	91.5	1,265,482	1,252,871
NY	57	48	84.2	45	78.9	39	86.7	445,057	441,019
NV	16	12	75.0	12	75.0	10	83.3	437,784	437,733
Total	**462**	**420**	**90.9%**	**410**	**88.7**	**382**	**93.2**	**9,286,245**	**9,217,827**
National Totals	**3,115**	**1,596**	**51.2**	**1,502**	**48.2**	**1,222**	**81.4**	**21,927,998**	**21,834,841**

Source: Geography Division.
Note: The sum of categories may not equal the total due to rounding.

Table 31 contains the seven states that had places with both 50.0 percent participation and over 73.0 percent of address files returned. The table also includes the District of Columbia (DC).

Table 31. 2010 Census LUCA Place Participation and Address Records Received and Processed Summed by State and the District of Columbia

	Eligible Governments								
State	Total Places	Total Registered	% Registered	Active After Drop Out	% Active After Drop Out	Address Files Returned	% Returned	Address Records Received	Address Records Processed
DC	1	1	100.0	1	100.0	1	100.0	20,241	20,241
AZ	90	75	83.3	75	83.3	66	88.0	1,030,555	1,029,815
NV	19	15	78.9	15	78.9	12	80.0	242,305	242,189
CA	478	354	74.1	348	72.8	293	84.2	2,289,023	2,279,826
WY	99	67	67.7	66	66.7	58	87.9	66,268	66,151
MA	48	30	62.5	30	62.5	27	90.0	136,964	136,281
IA	947	550	58.1	546	57.7	436	79.9	125,385	125,241
CT	30	15	50.0	15	50.0	11	73.3	14,554	14,511
Total	**1,712**	**1,107**	**64.7**	**1,096**	**64.0**	**904**	**82.5**	**3,925,295**	**3,914,255**
National Totals	**19,392**	**7,009**	**36.1**	**6,707**	**34.6**	**5,296**	**79.0**	**16,610,242**	**16,572,700**

Source: Geography Division.
Note: The sum of categories may not equal the total due to rounding.

Table 32 provides a summary of the 20 states that had MCD governments eligible for the LUCA program.

Table 32. 2010 Census LUCA MCD Participation and Address Records Received and Processed Summed by State

	Eligible Governments								
State	Total MCD	Total Registered	% Registered	Active After Drop Out	% Active After Drop Out	Address Files Returned	% Returned	Address Records Received	Address Records Processed
CT	149	54	36.2	48	32.2	43	89.6	45,840	45,805
IL	1,432	66	4.6	63	4.4	42	66.7	3,389	3,379
IN	1,008	18	1.8	17	1.7	10	58.8	1,360	1,357
KS	1,283	13	1.0	12	0.9	8	66.7	121	121
ME	466	71	15.2	60	12.9	57	95.0	50,596	50,041
MA	303	171	56.4	158	52.1	130	82.3	189,574	188,845
MI	1,242	361	29.1	344	27.7	277	80.5	193,018	190,807
MN	1,790	208	11.6	191	10.7	130	68.1	6,924	6,898
MO	312	3	1.0	2	0.6	2	100.0	0	0
NE	435	5	1.1	5	1.1	4	80.0	77	77
NH	221	44	19.9	41	18.6	37	90.2	24,128	23,975
NJ	242	130	53.7	127	52.5	93	73.2	178,451	178,267
NY	929	444	47.8	297	32.0	255	85.9	192,330	191,547
ND	1,322	33	2.5	31	2.3	27	87.1	291	291
OH	1,308	95	7.3	88	6.7	60	68.2	25,558	25,471
PA	1,546	635	41.1	615	39.8	470	76.4	243,876	243,474
RI	31	17	54.8	16	51.6	10	62.5	14,681	14,602
SD	926	13	1.4	12	1.3	6	50.0	62	59
VT	237	75	31.6	74	31.2	48	64.9	54,607	54,545
WI	1,258	297	23.6	287	22.8	210	73.2	39,447	39,318
Total	**16,440**	**2,753**	**16.7**	**2,488**	**15.1**	**1,919**	**77.1**	**1,264,330**	**1,258,879**

Source: Geography Division.
Note: The sum of categories may not equal the total due to rounding.

5.1.11 Question 11: What are the address record processing results summed to government type, Housing Unit (HU) count, media type, and option?[5]

a. Number of address records received? (Table 33)

- 41,847,177 – address records received
- 41,686,242 – address records processed

b. Number of address records rejected by code?

- 160,935 – total address records rejected (See Table 34 for rejections by code)

  See Attachment C for an explanation of each code

c. Number of address records identified as (Table 35):

i. New adds to the MAF

- 9,314,969

ii. Merged with existing active MAF records

- 24,576,735

iii. Merged with existing MAF records which otherwise would not have been included in the Address Canvassing Operation

- 4,499,926

d. Number of group quarters (GQ) identified as (Table 36):

i. New adds to the MAF

- 54,305

ii. Merged with existing active MAF records

- 94,281

iii. Merged with existing MAF records which otherwise would not have been included in the Address Canvassing Operation

- 4,856

e. Number of Option 1 processed address records with action codes of (Table 37):

i. J – out of jurisdiction

- 398,359

ii. C – correction (house #)

iii. 103,071

[5] Duplicate addresses received from multiple participants (e.g., a county and a place submitted the same address) were recorded separately for each address submission. In addition, feedback was provided to each participant for each address submitted, even though the address may have been a duplicate submission.

iv. All other Cs – other types of corrections (e.g., block number changes)

- 2,132,281

v. N – nonresidential

- 32,542

vi. D – deletes

- 628,359

f. Number of participant address records merged with other LUCA records and merged to pre-existing address records in the MAF? (Table 38)

- 24,576,735 – merged to pre-existing address records in the MAF
- 2,035,991 – participant records merged with other LUCA records

g. Number of existing ungeocoded address records in the MAF assigned a block code by a LUCA participant?

- 4,499,926 – existing ungeocoded address records assigned a block code by participants (Table 39)

h. Number of address records supplied without geocodes which were assigned geocodes through MAF Upload Processing?

- 56,726 – address records assigned geocodes through MAF Upload Processing (Table 39)

i. Number of participant address records supplied without geocodes which were not assigned geocodes through MAF Upload Processing and were rejected?

- 10 – ungeocoded address records rejected (Table 39)

Table 33 compares the total number of address records received to the total number of address records the Census Bureau processed. Of the 41,847,177 address records received, 41,686,242 or 99.6 percent were processed. Counties submitted over half, 21,927,998 or 52.4 percent of the total address records received followed by places with 16,610,242 or 39.7 percent.

Governments with 100,001 – 1,000,000 addresses submitted the largest number of address records with 17,989,299 or 43.0 percent followed by governments in the 6,001 – 50,000 address size category with 12,691,021 or 30.2 percent.

Option 2 participants submitted the largest number of address records 24,200,599 or 57.8 percent of which 24,147,486 were processed. Option 1 participants submitted 12,418,753 or 29.7 percent of the address records while Option 3 submitted 5,227,825 or 12.5 percent.

Over 71.0 percent or 29,905,790 of the address records were computer-readable submissions followed by 11,347,019 MTPS address record submissions and 594,368 paper address records.

Table 33. 2010 Census LUCA Address Records Received and Processed by Government Type, Size, Option, and Media Type

Government Type Size* Option Media Type	Address Records Received Total	 % of Total	Address Records Processed Total Processed	 % of Total Received	 % Within Gov't Type, Size
State	2,026,878	4.8	2,002,206	4.8	98.8
AIR	17,729	0.0	17,616	0.0	99.4
County	21,927,998	52.4	21,834,841	52.2	99.6
Place	16,610,242	39.7	16,572,700	39.6	99.8
MCD	1,264,330	3.0	1,258,879	3.0	99.6
Total	**41,847,177**	**100.0**	**41,686,242**	**99.6**	
1,000 or fewer	403,980	1.0	402,113	1.0	99.5
1,001 – 6,000	2,050,763	4.9	2,038,499	4.9	99.4
6,001 – 50,000	12,691,021	30.3	12,633,735	30.2	99.5
50,001 – 100,000	5,208,658	12.4	5,197,115	12.4	99.8
100,001 – 1,000,000	17,989,299	43.0	17,938,790	42.9	99.7
1,000,001 or more	3,503,456	8.4	3,475,990	8.3	99.2
Total	**41,847,177**	**100.0**	**41,686,242**	**99.6**	
Option 1	12,418,753	29.7	12,319,785	29.4	99.2
Option 2	24,200,599	57.8	24,147,486	57.7	99.8
Option 3	5,227,825	12.5	5,218,971	12.5	99.8
Total	**41,847,177**	**100.0**	**41,686,242**	**99.6**	
MTPS	11,347,019	27.1	11,272,045	26.9	99.3
Paper	594,368	1.4	590,858	1.4	99.4
Computer-readable	29,905,790	71.5	29,823,339	71.3	99.7
Total	**41,847,177**	**100.0**	**41,686,242**	**99.6**	

Data Source: Geography Division.
* Government size is determined by the number of residential addresses in the MTdb at the beginning of the LUCA program.
Note: The sum of categories may not equal the total due to rounding.

The Census Bureau rejected and identified with a code address records submitted by participants that did not pass pre-processing edits. For instance, a 01 code represents a record that may have duplicate MAFIDs while a 06 code identifies a record submitted with a missing House Number and/or Street Name.

Table 34 shows the total 160,935 address records rejected by each code. The largest number, 83,138, were 02 rejections because they were duplicate add records. Counties, Option 1 participants, and those using the MTPS submitted the majority of these duplicate adds.

Reject code 12 identified 26,610 address records that had incorrect geocodes. Places, Option 1 participants, and those submitting computer-readable address lists submitted the majority of these address record rejections.

Attachment C provides a detailed table with an explanation of each reject code.

Table 34. 2010 Census LUCA Address Records Rejected by Code by Government Type, Size, Option, and Media Type

Government Type Size* Option Media Type	Total Rejected	Reject Code 01	02	03	04	06	07	11	12	A	B	L	M	N	P	S	Y
State	24,672	0	17,036	0	0	1,176	0	0	309	3,864	5	1,512	282	382	3	103	0
AIR	113	0	13	0	0	0	0	85	0	0	0	9	6	0	0	0	0
County	93,157	19	48,202	5	1,285	4,065	2	5,304	8,797	7,493	763	7,821	5,430	473	18	3,404	76
Place	37,542	2	16,459	0	19	86	4	1,241	14,428	1,012	1,175	1,113	1,610	203	15	175	0
MCD	5,451	0	1,428	0	7	135	6	79	3,076	29	10	176	456	28	0	21	0
Total	**160,935**	**21**	**83,138**	**5**	**1,311**	**5,462**	**12**	**6,709**	**26,610**	**12,398**	**1,953**	**10,631**	**7,784**	**1,086**	**36**	**3,703**	**76**
1,000 or fewer	1,867	2	618	0	11	22	4	135	684	156	3	55	163	13	1	0	0
1,001 – 6,000	12,264	0	3,287	1	13	169	7	1,101	6,048	86	122	472	892	54	0	12	0
6,001 – 50,000	57,285	0	20,052	1	622	3,348	1	3,797	12,782	7,548	431	5,283	1,771	344	16	1,289	0
50,001 – 100,000	11,472	0	5,283	0	410	234	0	23	2,522	46	156	582	102	32	2	2,079	1
100,001 – 1,000,000	50,578	0	35,480	2	253	515	0	1,563	4,004	322	301	2,874	4,842	227	14	109	72
1,000,001 or more	27,469	19	18,418	1	2	1,174	0	90	570	4,240	940	1,365	14	416	3	214	3
Total	**160,935**	**21**	**83,138**	**5**	**1,311**	**5,462**	**12**	**6,709**	**26,610**	**12,398**	**1,953**	**10,631**	**7,784**	**1,086**	**36**	**3,703**	**76**
Option 1	98,968	21	47,103	5	1,275	4,244	4	4,112	16,761	12,366	1,185	4,533	6,305	624	32	322	76
Option 2	53,113	0	29,976	0	36	1,206	2	1,753	8,785	31	729	5,425	1,415	381	4	3,370	0
Option 3	8,854	0	6,059	0		12	6	844	1,064	1	39	673	64	81	0	11	0
Total	**160,935**	**21**	**83,138**	**5**	**1,311**	**5,462**	**12**	**6,709**	**26,610**	**12,398**	**1,953**	**10,631**	**7,784**	**1,086**	**36**	**3,703**	**76**
MTPS	74,974	2	52,420	3	720	2,735	12	84	7,576	3,723	1,219	3,338	288	608	4	2,167	75
Paper	3,510	0	1,332	0	1	118	0	25	1,353	0	1	98	553	26	1	2	0
Computer-readable	82,451	19	29,386	2	590	2,609	0	6,600	17,681	8,675	733	7,195	6,943	452	31	1,534	1
Total	**160,935**	**21**	**83,138**	**5**	**1,311**	**5,462**	**12**	**6,709**	**26,610**	**12,398**	**1,953**	**10,631**	**7,784**	**1,086**	**36**	**3,703**	**76**

Data Source: Geography Division.

* Government size is determined by the number of residential addresses in the MTdb at the beginning of the LUCA program.

Note: See Attachment C for descriptions of Reject Codes.

Table 35 shows that 9,314,969 addresses were identified as new adds to the MAF, 24,576,735 addresses were merged with existing active MAF records, and 4,499,926 addresses were merged with existing ungeocoded MAF records which otherwise would not have been included in the Address Canvassing Operation.

Of the 9,314,969 new adds to the MAF, 4,756,066 were in counties followed by 3,531,392 in places. Governments within the 100,001 – 1,000,000 address size category had the largest number of new adds with 3,074,389, while governments in the 6,001 – 50,000 address size category had 3,008,671 new adds.

The new adds for Option 1 and Option 2 participants were nearly evenly divided with 4,136,066 and 4,129,906 respectively followed by Option 3 participants with 1,048,997 new adds.

Participants using the computer-readable media type submitted the majority of new adds with 6,179,604 addresses.

Since Option 2 and Option 3 participants were required to submit their entire local address lists of city-style addresses, 22,232,046 addresses of their total number of addresses submitted were merged with existing active MAF records. Option 2 participants submitted 18,390,518 addresses while Option 3 participants submitted 3,841,528 addresses that merged with existing active MAF records. Additionally, Option 2 participants submitted 1,625,028 addresses and Option 3 participants submitted 328,446 addresses that merged with existing MAF records which otherwise would not have been included in the Address Canvassing Operation.

Although Option 1 participants could submit address updates in addition to new addresses, they submitted 2,344,689 addresses that merged with existing active MAF records and 2,546,452 that merged with existing MAF records which otherwise would not have been included in the Address Canvassing Operation.

Counties had the largest number of address records, 13,418,681, merged with existing active MAF records. Over half of the total number, 12,526,178, were from governments in the 100,001 – 1,000,000 address size category.

Table 35. 2010 Census LUCA Address Records New Adds and Address Records Merged by Government Type, Size, Option, and Media Type

Government Type Size* Option Media Type	New Adds to the MAF Total	Merged with Existing Active MAF Records Total	Merged with Existing Ungeocoded MAF Records Total
State	793,345	926,615	251,483
AIR	5,755	7,874	854
County	4,756,066	13,418,681	2,309,170
Place	3,531,392	9,681,166	1,740,144
MCD	228,411	542,399	198,275
Total	**9,314,969**	**24,576,735**	**4,499,926**
1,000 or fewer	113,875	84,647	50,592
1,001 – 6,000	539,806	652,910	393,768
6,001 – 50,000	3,008,671	6,702,586	1,618,604
50,001 – 100,000	1,082,802	3,239,466	546,518
100,001 – 1,000,000	3,074,389	12,526,178	1,567,061
1,000,001 or more	1,495,426	1,370,948	323,383
Total	**9,314,969**	**24,576,735**	**4,499,926**
Option 1	4,136,066	2,344,689	2,546,452
Option 2	4,129,906	18,390,518	1,625,028
Option 3	1,048,997	3,841,528	328,446
Total	**9,314,969**	**24,576,735**	**4,499,926**
MTPS	2,996,365	5,735,143	1,412,805
Paper	139,000	52,170	108,147
Computer-readable	6,179,604	18,789,422	2,978,974
Total	**9,314,969**	**24,576,735**	**4,499,926**

Data Source: Geography Division.
* Government size is determined by the number of residential addresses in the MTdb at the beginning of the LUCA program.

Table 36 provides the address records identified as GQs by new adds, merged with existing active MAF records, and merged with existing ungeocoded MAF records which otherwise would not have been included in the Address Canvassing Operation. There were 54,305 new adds to the MAF, the majority of which were submitted by Option 1 and Option 2 participants using the MTPS or computer-readable files.

Of the address records submitted, 94,281 were merged with existing active MAF records, while 4,856 were merged with existing MAF records which otherwise would not have been included in the Address Canvassing Operation.

Table 36. 2010 Census LUCA Group Quarters (GQ) Address Records New Adds and Address Records Merged by Government Type, Size, Option, and Media Type

Government Type Size* Option Media Type	New Adds to the MAF Total	Merged with Existing Active MAF Records Total	Merged with Existing Ungeocoded MAF Records Total
State	19,079	43,719	2,140
AIR	64	17	1
County	14,429	17,215	1,129
Place	19,917	31,975	1,398
MCD	816	1,355	188
Total	**54,305**	**94,281**	**4,856**
1,000 or fewer	781	294	38
1,001 – 6,000	3,246	1,581	740
6,001 – 50,000	12,847	17,470	1,292
50,001 – 100,000	3,623	7,352	97
100,001 – 1,000,000	11,339	12,325	491
1,000,001 or more	22,469	55,259	2,198
Total	**54,305**	**94,281**	**4,856**
Option 1	16,348	21,348	1,591
Option 2	35,378	69,630	3,184
Option 3	2,579	3,303	81
Total	**54,305**	**94,281**	**4,856**
MTPS	24,521	38,054	1,309
Paper	600	307	87
Computer-readable	29,184	55,920	3,460
Total	**54,305**	**94,281**	**4,856**

Data Source: Geography Division.
* Government size is determined by the number of residential addresses in the MTdb at the beginning of the LUCA program.

Table 37 shows a total of 3,294,612 addresses submitted by Option 1 participants that were processed by action codes C, D, J, and N. Of the total, 2,235,352 were C – corrections (103,071 included House #; 2,132,281 included All other Cs). There were 628,359 D – deletes, 398,359 J – out of jurisdiction, and 32,542 N – nonresidential addresses.

Places submitted the largest number of addresses that required action codes, 1,619,982 addresses, followed by counties with 1,350,924 addresses that required action codes. Governments in the 6,001 – 50,000 address size category submitted the largest number of addresses that required action codes, 1,303,874.

Table 37. 2010 Census LUCA Option 1 Processed Address Records with Action Codes by Government Type and Size

Government Type Size*	Total All Actions	C - Corrections		D - Deletes	J – Out of Jurisdiction	N – Non Residential
		House Number	All Other Cs			
		Total	Total	Total	Total	Total
State	30,763	885	18,822	10,905	78	73
AIR	3,133	85	1,005	438	1,580	25
County	1,350,924	34,791	762,085	254,433	287,837	11,778
Place	1,619,982	51,247	1,178,891	299,535	73,310	16,999
MCD	289,810	16,063	171,478	63,048	35,554	3,667
Total	**3,294,612**	**103,071**	**2,132,281**	**628,359**	**398,359**	**32,542**
1,000 or fewer	152,999	15,610	78,653	43,524	9,253	5,959
1,001 – 6,000	452,015	26,253	241,268	126,470	50,240	7,784
6,001 – 50,000	1,303,874	42,876	851,530	261,912	137,231	10,325
50,001 – 100,000	328,329	9,094	207,936	68,032	37,155	6,112
100,001 – 1,000,000	771,162	5,011	479,907	119,414	164,480	2,350
1,000,001 or more	286,233	4,227	272,987	9,007	0	12
Total	**3,294,612**	**103,071**	**2,132,281**	**628,359**	**398,359**	**32,542**

Data Source: Geography Division.
* Government size is determined by the number of residential addresses in the MTdb at the beginning of the LUCA program..

Table 38 is a comparison of the 24,576,735 addresses submitted by participants that were merged to pre-existing records in the MAF and the 2,035,991 participant submitted address records that were merged with other LUCA records.

Table 38. 2010 Census LUCA Address Records Merged with Other LUCA Records and Merged to Pre-existing Address Records

	Merged to Pre-Existing Records in the MAF	Participant Address Records Merged With Other LUCA Records
Total	**24,576,735**	**2,035,991**

Data Source: Geography Division.

LUCA participants assigned block codes to 4,499,926 addresses which otherwise would not have been included in the Address Canvassing Operation. As shown in Table 39, counties provided 2,309,170 geocodes followed by places with 1,740,144. States provided 251,483 geocodes, MCDs provided 198,275 geocodes, and AIRs provided 854 geocodes.

Governments with 6,001 – 50,000 addresses and 100,001 – 1,000,000 addresses submitted the largest numbers of geocodes with 1,618,604, and 1,567,061 respectively.

Option 1 participants submitted over half of the geocodes for ungeocoded addresses.

The MAF upload processing assigned geocodes to 56,726 addresses submitted by participants without geocodes. The largest numbers of ungeocoded addresses were submitted by places, governments with 100,001 – 1,000,000 addresses, and Option 2 participants. Only ten ungeocoded addresses were rejected by GEO.

Table 39. 2010 Census LUCA Ungeocoded Addresses by Government Type, Size, Option, and Media

Government Type Size* Option Media Type	Ungeocoded MAF Records Geocoded by Participants Total	Ungeocoded Participant Addresses Assigned to a Block by MAF Upload Processing Total	Ungeocoded Addresses Not Assigned, Rejected Total
State	251,483	223	1
AIR	854	0	0
County	2,309,170	7,321	9
Place	1,740,144	48,688	0
MCD	198,275	494	0
Total	**4,499,926**	**56,726**	**10**
1,000 or fewer	50,592	445	0
1,001 – 6,000	393,768	2,455	0
6,001 – 50,000	1,618,604	6,817	1
50,001 – 100,000	546,518	2,175	0
100,001 – 1,000,000	1,567,061	44,582	8
1,000,001 or more	323,383	252	1
Total	**4,499,926**	**56,726**	**10**
Option 1	2,546,452	3,630	10
Option 2	1,625,028	50,568	0
Option 3	328,446	2,528	0
Total	**4,499,926**	**56,726**	**10**
MTPS	1,412,805	2,294	8
Paper	108,147	432	0
Computer-readable	2,978,974	54,000	2
Total	**4,499,926**	**56,726**	**10**

Data Source: Geography Division.
* Government size is determined by the number of residential addresses in the MTdb at the beginning of the LUCA program.

5.1.12 Question 12: Were participant address actions focused on specific blocks or were they dispersed over the entire jurisdiction?

Data compilation to answer this question in order to achieve a sufficient level of accuracy is infeasible. One method of assessing these data would be to map individual participant submissions in order to evaluate how address updates were dispersed throughout a jurisdiction as a whole. However, a number of assumptions would be necessary to draw any conclusions. For instance, in a block with no updates did the participant focus on another area of their jurisdiction or was the census address list correct for that block? As such, we cannot sufficiently answer this question.

5.1.13 Question 13: How many participant address actions were for single housing units? How many were for multi-unit structures?

Table 40 shows there were 31,336,078 participant address actions for single housing units and 8,479,675 for multi-unit structure addresses. Counties submitted the largest number of single housing units, 18,796,257, while places submitted the largest number of multi-unit structures, 5,159,941. Governments in the 100,001 – 1,000,000 address size category submitted 13,341,136 addresses for single housing units followed by governments in the 6,001 – 50,000 address size category with 10,653,205 submissions.

Table 40. 2010 Census LUCA Option 1 Address Actions for Single Housing Units and Multi-unit Structures by Government Type and Size

Government Type	Single Housing Unit Addresses	Multi-unit Structure Addresses
Size*	**Total**	**Total**
State	0	0
AIR	16,895	834
County	18,796,257	3,131,486
Place	11,447,369	5,159,941
MCD	1,075,557	187,414
Total	**31,336,078**	**8,479,675**
1,000 or fewer	357,575	45,787
1,001 – 6,000	1,737,653	309,179
6,001 – 50,000	10,653,205	2,025,734
50,001 – 100,000	4,362,706	845,952
100,001 – 1,000,000	13,341,136	4,136,081
1,000,001 or more	883,803	1,116,942
Total	**31,336,078**	**8,479,675**

Data Source: Geography Division.
* Government size is determined by the number of residential addresses in the MTdb at the beginning of the LUCA program.

5.1.14 Question 14: What were the detailed processing results for block challenges by Option 1 participants?

a. Number and percent of the total returns of Option 1 submissions with usable block challenges processed?

- 100,368 – block challenges processed (Table 41)

b. Number and percent of total returns of files processed?

- 1,028 or 100.0 percent of the returns were processed (Table 41)

c. Number of usable blocks challenged?

- 100,368 – usable blocks challenged (Table 41)

Table 41 shows that there were 1,028 files processed with 100,368 block challenges. Although places submitted the largest number, 748 or 72.8 percent of the total number of files submitted, 109 counties submitted over 60.0 percent of the block challenges. Additionally, governments in the first two address category sizes submitted a larger number of processed files but governments with 6,001 – 50,000 addresses, 50,001 – 100,000 addresses, and 100,001 – 1,000,000 addresses submitted a larger number of block challenges.

Table 41. 2010 Census LUCA Option 1 Block Challenges Processing Results by Government Type and Size

Government Type	Total Usable Block Challenges Processed		Total Files Processed	
Size*	Total	% of total	Total	% of total
State	5,986	6.0	6	0.6
AIR	1,395	1.4	11	1.1
County	60,585	60.4	109	10.6
Place	30,375	30.3	748	72.8
MCD	2,027	2.0	154	15.0
Total	**100,368**	**100.0**	**1,028**	**100.0**
1,000 or fewer	2,972	3.0	496	48.2
1,001 – 6,000	8,881	8.8	303	29.5
6,001 – 50,000	33,874	33.7	181	17.6
50,001 – 100,000	20,894	20.8	23	2.2
100,001 – 1,000,000	32,961	32.8	24	2.3
1,000,001 or more	786	0.8	1	0.1
Total	**100,368**	**100.0**	**1,028**	**100.0**

Data Source: Geography Division.
* Government size is determined by the number of residential addresses in the MTdb at the beginning of the LUCA program.
Note: The sum of categories may not equal the total due to rounding.

5.1.15 Question 15: What is the number and percent of LUCA added and matched to existing addresses for each TEA?

In order to determine how to attempt to enumerate housing units within a collection block for the 2010 Census, Field Division assigned each collection block within the United States, Puerto Rico, and the island areas a Type of Enumeration Area (TEA) code.

Of the eight TEA codes used for the 2010 Census, there are five codes relevant to the 2010 Census LUCA Program. See Attachment A for a detailed description of each TEA.

There were 38,391,618 addresses added and matched to the five relevant TEAs with 9,314,957 or 24.3 percent added and 29,076,661 or 75.7 percent matched to existing addresses. Nearly 93.0 percent were in TEA 1 Mailout/Mailback (MO/MB) with 8,154,981 or 21.2 percent added and 27,504,641or 71.6 percent matched to existing addresses.

Table 42. 2010 Census LUCA Addresses Added and Matched to Existing Addresses for Each TEA

	Total Added and Matched Addresses		Added Addresses		Matched Existing Address	
TEA*	Total	% of Total	Total	% of Total	Total	% of Total
1 – MO/MB	35,659,622	92.9	8,154,981	21.2	27,504,641	71.6
2 – U/L	1,473,546	3.8	699,136	1.8	774,410	2.0
5 – U/E	374,318	1.0	163,049	0.4	211,269	0.6
6 – Military	30,860	0.1	10,385	0.0	20,475	0.1
7 – UU/L	853,272	2.2	287,406	0.7	565,866	1.5
Total	**38,391,618**	**100.0**	**9,314,957**	**24.3**	**29,076,661**	**75.7**

*See Attachment A.
Note: The sum of categories may not equal the total due to rounding.

5.1.16 Question 16: Of the total addresses submitted by LUCA participants and processed by the Census Bureau, how many address updates were *(sent to be)* field verified during the Address Canvassing Operation?

- 41,686,242 addresses processed (Table 43)
- 40,062,395 addresses sent to be field verified (Table 43)

a. Of these address records, how many were found not to exist, were duplicate addresses, or were nonresidential?

- 8,566,878 addresses were found not to exist, were duplicate addresses, or were nonresidential (Table 43)

b. How many addresses submitted by LUCA participants were confirmed to exist?

- 31,495,517 addresses were confirmed to exist (Table 43)

c. How many addresses were found, but in a different form or in a different block?

- 4,983,921[6] addresses were found in a different form or in a different block (Table 43)

As shown in Table 43, the Census Bureau processed 41,686,242 addresses of which 1,623,847 contained MAFIDs and therefore, did not go to field verification. The remaining 40,062,395 addresses did not contain MAFIDs and were field verified during the Address Canvassing Operation.

Of those addresses field verified, 8,566,878 addresses were found not to exist, were duplicates, or were nonresidential. Address Canvassing confirmed 31,495,517 addresses. Of the confirmed addresses, 4,983,921 were found in a different form or a different block.

[6] The different form and different block options were combined because one processing code from each action describes both fields. The overall theme in all the codes were, "Individual components of the address and/or block number may vary from your address submission." The action codes which were combined are A3, C2, D2, J2, and N3.

Table 43. 2010 Census LUCA Address Updates Field Verified During Address Canvassing Operation by Government Type, Size, and Option

Government Type Size* / Option	Addresses Submitted and Processed — Total	Records Field Verified — Total	Does Not Exist, Duplicate, or Nonresidential — Total	Confirmed — Total	Of Confirmed, Found in Different Form/Different Block — Total
State	2,002,206	2,054,755	743,259	1,311,496	280,821
AIR	17,616	14,191	4,891	9,300	2,989
County	21,834,841	21,405,355	4,411,242	16,994,113	2,369,350
Place	16,572,700	15,518,260	3,239,229	12,279,031	2,170,563
MCD	1,258,879	1,069,834	168,257	901,577	160,198
Total	**41,686,242**	**40,062,395**	**8,566,878**	**31,495,517**	**4,983,921**
1,000 or fewer	402,113	247,896	68,732	179,164	63,403
1,001 – 6,000	2,038,499	1,769,349	406,047	1,363,302	275,165
6,001 – 50,000	12,633,735	11,956,780	2,664,955	9,291,825	1,397,557
50,001 – 100,000	5,197,115	5,118,673	1,077,404	4,041,269	565,186
100,001 – 1,000,000	17,938,790	17,780,861	2,959,247	14,821,614	2,162,128
1,000,001 or more	3,475,990	3,188,836	1,390,493	1,798,343	520,482
Total	**41,686,242**	**40,062,395**	**8,566,878**	**31,495,517**	**4,983,921**
Option 1	12,319,785	10,332,527	3,476,572	6,855,955	1,996,940
Option 2	24,147,486	24,446,366	4,092,437	20,353,929	2,986,981
Option 3	5,218,971	5,283,502	997,869	4,285,633	0
Total	**41,686,242**	**40,062,395**	**8,566,878**	**31,495,517**	**4,983,921**

Data Source: Geography Division.

* Government size is determined by the number of residential addresses in the MTdb at the beginning of the LUCA program.

5.1.17 Question 17: Of the total number of LUCA participants, how many received feedback materials for each option by government type and HU count?

As shown in Table 44, 8,476 participants received feedback materials. Feedback materials were sent to 6,897 Option 1 participants; 1,022 Option 2 participants; and 557 Option 3 participants.

Table 44. 2010 Census LUCA Participants that Received Feedback Materials by Option by Government Type and Size

Government type Size*	Total Feedback	Received Feedback		
		Option 1 Total	Option 2 Total	Option 3 Total
State	24	17	5	2
AIR	59	50	4	5
County	1,201	675	409	117
Place	5,308	4,541	506	261
MCD	1,884	1,614	98	172
Total	**8,476**	**6,897**	**1,022**	**557**
1,000 or fewer	3,016	2676	183	157
1,001 – 6,000	2,820	2385	264	171
6,001 – 50,000	2,138	1515	441	182
50,001 – 100,000	238	154	61	23
100,001 – 1,000,000	240	150	72	23
1,000,001 or more	24	17	1	1
Total	**8,476**	**6,897**	**1,022**	**557**

Data Source: Geography Division.
* Government size is determined by the number of residential addresses in the MTdb at the beginning of the LUCA program.

Detailed Feedback Address List

Option 1 participants used action codes to update city-style addresses in their review of the census address list. The action codes included "A" to add addresses, "C" to change or correct addresses, "D" to delete addresses, "J" to identify addresses not within their jurisdiction, and "N" to identify nonresidential addresses.

The Census Bureau assigned a census processing code to each address submitted. The processing code was a combination of the action code submitted by the participant and a census processing number identifying a specific action taken by the Census Bureau on that address[7]. In addition to action codes used by the participants, three processing codes were used to identify blank or erroneous codes (R1), noncity-style addresses (R2), and addresses that were on the initial census address list but were deleted as a result of the Address Canvassing Operation (X1). Since duplicate addresses may have been received from multiple participants (e.g., a county and a place submitted the same address, one with a C action code and one with a J action code),

[7] A discrepancy may exist between the processing data and feedback data for action codes due to participant dropout dates. Dropouts may have occurred between the dates of address list submission, processing, and feedback.

feedback was provided to each participant for each address submitted. Therefore, an address may have received different processing codes.

Since Option 2 participants had to submit their local address file of city-style addresses only, the Census Bureau assigned the "A" processing code to each address record submitted, the R2 processing code to identify noncity-style address submissions, and the X1 processing code to identify addresses on the initial census address list but deleted by the Address Canvassing Operation.

5.1.18 Question 18: How many Option 1 addresses submitted by participants and processed by the Census Bureau were identified with each processing code on the Detailed Feedback Address List?

"A" – the "A" processing code includes addresses identified by Option 1 participants as existing within their jurisdiction but not on their initial census address list.

a. How many addresses were submitted by participants with the "A" action code?

- 9,065,894 (Table 45)

b. Of the total number of addresses submitted by Option 1 participants with the "A" action code and processed by the Census Bureau (Table 45)**:**

i. A1 –how many were confirmed by Address Canvassing and added to the MTdb?

- 732,424

ii. A2 – how many matched existing records in the MTdb and were confirmed during Address Canvassing?

- 3,430,955

iii. A3 – how many were added to the MTdb but found during Address Canvassing in a different version (e.g., different block number)?

- 1,229,700

iv. A4 – how many flagged by participants as a Group Quarters (GQ) were identified as an Other Living Quarter [OLQ (potential GQ)] during Address Canvassing, and processed through Group Quarters Validation (GQV) for verification?

- 15,036

v. A5 – how many flagged by participants as a GQ were identified as a HU during Address Canvassing and not referred to GQV?

- 7,592

vi. **A6 – how many were not flagged by participants as a GQ, but identified during Address Canvassing as an OLQ and processed through GQV to verify that they were acceptable GQ or HU addresses?**

- 74,920

vii. **A7 – how many were added to the MTdb but found as an uninhabitable address during Address Canvassing?**

- 23,841

viii. **A8 – how many were not accepted because they could not be found during Address Canvassing?**

- 3,063,483

ix. **A9 – how many were not accepted because they were missing required data and/or format for processing?**

- 32,821

x. **A10 – how many were not accepted because they were found during Address Canvassing as nonresidential addresses with no housing units?**

- 407,356

xi. **A11 – how many were not accepted because the address record could not be processed including duplicate add records or add records submitted with a MAFID?**

- 47,766

The "A" processing code includes addresses identified by Option 1 participants as existing within their jurisdiction but not on their initial census address list. Table 45 contains the number of Option 1 addresses submitted by participants with an "A" action code and identified on the Detailed Feedback Address List by government type and size.

Option 1 participants submitted 9,065,894 addresses with an "A" action code. Places and counties submitted the largest number of adds, 4,197,475 and 3,361,005, respectively, followed by states with 1,131,404, MCDs with 369,469, and AIRs with 6,541.

Of the total "A" addresses, 732,425 were identified with the A1 processing code as confirmed by Address Canvassing and added to the MTdb. The largest number of adds, 3,430,955, were identified with the A2 processing code because they matched to existing records in the MTdb. The A3 processing code identified 1,229,700 addresses that were added to the MTdb but found during Address Canvassing in a different version such as a different block number.

There were 15,036 (A4) addresses flagged as Group Quarters (GQ) by participants that were identified as an Other Living Quarter (OLQ) or potential GQ by Address Canvassing and processed through Group Quarters Validation (GQV) for verification. Address Canvassing identified 7,592 addresses as housing units that had been flagged by participants as GQs and therefore they were not referred to GQV (A5). In addition, 74,920 (A6) were not flagged by participants as GQs but were found during Address Canvassing as an Other Living Quarters

(OLQ) and processed through GQV to verify that they were acceptable GQ or housing unit addresses. The A7 processing code identified 23,841 addresses that were added to the MTdb but found during Address Canvassing as uninhabitable.

The second largest number of adds, 3,063,483 (A8), were not accepted because they could not be found during Address Canvassing.

Of the total number of adds, 32,821 were identified as A9 because they were missing required data and/or format for processing and were not accepted. A larger number of adds, 407,356 (A10), were found as nonresidential addresses with no housing units during Address Canvassing and were not accepted. The A11 processing code identified 47,766 addresses that were not accepted because they were duplicate add records or adds submitted with a MAFID.

Table 45. 2010 Census LUCA Option 1 "A" Action Code Submissions and "A" Feedback Processing Codes by Government Type and Size

Government Type Size*	Total "A"s Submitted	"A" Feedback Processing Code										
		A1	**A2**	**A3**	**A4**	**A5**	**A6**	**A7**	**A8**	**A9**	**A10**	**A11**
State	1,131,404	90,914	370,961	186,929	2,563	194	7,015	2,434	410,498	3,309	39,942	16,645
AIR	6,541	435	1,344	998	5	12	18	39	3,527	93	57	13
County	3,361,005	310,463	1,393,794	422,911	3,933	929	16,829	10,076	1,060,276	16,527	109,753	15,514
Place	4,197,475	282,367	1,497,061	566,924	8,084	6,234	48,745	10,388	1,500,542	9,595	253,180	14,355
MCD	369,469	48,245	167,795	51,938	451	223	2,313	904	88,640	3,297	4,424	1,239
Total	**9,065,894**	**732,424**	**3,430,955**	**1,229,700**	**15,036**	**7,592**	**74,920**	**23,841**	**3,063,483**	**32,821**	**407,356**	**47,766**
1,000 or fewer	152,978	26,103	52,387	23,577	394	60	932	581	45,080	789	2,479	596
1,001 – 6,000	689,774	69,517	313,454	89,126	1,044	426	6,250	1,746	188,403	5,025	12,634	2,149
6,001 – 50,000	2,636,872	256,200	1,089,926	354,730	2,541	1,030	23,349	6,902	804,981	13,401	72,880	10,932
50,001 – 100,000	901,270	81,383	371,679	119,931	557	305	6,015	2,531	282,299	1,687	32,824	2,059
100,001 – 1,000,000	2,585,001	161,540	1,151,268	298,630	3,996	1,263	19,152	7,535	794,086	8,040	126,417	13,074
1,000,001 or more	2,099,999	137,681	452,241	343,706	6,504	4,508	19,222	4,546	948,634	3,879	160,122	18,956
Total	**9,065,894**	**732,424**	**3,430,955**	**1,229,700**	**15,036**	**7,592**	**74,920**	**23,841**	**3,063,483**	**32,821**	**407,356**	**47,766**

Data Source: Geography Division.
* Government size is determined by the number of residential addresses in the MTdb at the beginning of the LUCA program.
Note: See the previous section for descriptions of the Option 1 "A" feedback processing codes.

"C" – the "C" processing code identifies addresses corrected or changed by Option 1 participants.

a. How many addresses were submitted by participants with the "C" action code?

- 2,235,683 (Table 46)

b. Of the total number of addresses submitted by Option 1 participants with the "C" action code and processed by the Census Bureau (Table 46)**:**

i. C1 – how many were confirmed during Address Canvassing and accepted?

- 1,484,886

ii. C2 – how many were accepted but a different version (e.g., differences in individual components of the address and or block number) of the address was found during Address Canvassing?

- 300,962

iii. C3 – how many were originally classified as a GQ but were identified during Address Canvassing as an OLQ, and were processed through GQV for verification?

- 4,165

iv. C4 – how many HU address corrections were found during Address Canvassing but identified as an OLQ and referred to GQV for verification?

- 38,887

v. C5 – how many were accepted, but found during Address Canvassing as an uninhabitable address?

- 5,627

vi. C6 – how many were not accepted because they were not found during Address Canvassing?

- 257,652

vii. C7 – how many were not accepted because they lacked valid geographic and/or address information and/or format required for processing?

- 3,083

viii. C8 – how many were not accepted because they did not contain a valid MAFID number?

- 105

ix. C9 – how many were not accepted because they were found during Address Canvassing to be a nonresidential address?

- 11,422

x. C10 – how many were not accepted because an exact match of the original address was found during Address Canvassing?

- 128,894

The "C" processing code identifies addresses corrected or changed by Option 1 participants. As shown in Table 46, of the total 2,235,683 addresses submitted for change or correction, places submitted the largest number, 1,227,394, followed by counties with 796,458 and MCDs with 190,903. Governments in the 6,001 – 50,000 address size category submitted the largest number, 894,261 addresses.

The C1 processing code identified 1,484,886 addresses as confirmed with corrections during Address Canvassing. Almost 301,000 addresses submitted with corrections were accepted in a different version and identified with the C2 processing code. There were 4,165 corrections to addresses originally classified as a GQ but identified during Address Canvassing as an OLQ (C3) and were processed through GQV for verification. Address Canvassing identified 38,887 housing unit address corrections as OLQs and referred them to GQV for verification. There were 5,627 corrections (C5) that were accepted but were uninhabitable addresses.

Of the address corrections that were not accepted, 257,652 (C6) were not found, 3,083 (C7) lacked valid geographic and/or address information or format required for processing, 105 (C8) lacked a valid MAFID, 11,422 (C9) were nonresidential addresses, and 128,894 (C10) matched the original address.

Table 46. 2010 Census LUCA Option 1 "C" Action Code Submissions and "C" Feedback Processing Codes by Government Type and Size

Government Type Size*	Total "C"s Submitted	"C" Feedback Processing Code									
		C1	C2	C3	C4	C5	C6	C7	C8	C9	C10
State	19,838	11,255	2,095	462	1,857	63	3,388	131	0	81	506
AIR	1,090	600	223	1	27	16	158	0	0	5	60
County	796,458	513,275	108,912	805	9,235	2,597	105,593	1,513	103	4,630	49,795
Place	1,227,394	832,813	165,754	2,593	25,010	2,578	124,886	1,020	1	5,607	67,132
MCD	190,903	126,943	23,978	304	2,758	373	23,627	419	1	1,099	11,401
Total	**2,235,683**	**1,484,886**	**300,962**	**4,165**	**38,887**	**5,627**	**257,652**	**3,083**	**105**	**11,422**	**128,894**
1,000 or fewer	94,176	60,951	12,354	203	786	338	13,876	228	1	710	4,729
1,001 – 6,000	267,636	169,820	35,597	595	4,656	585	41,480	622	0	1,890	12,391
6,001 – 50,000	894,261	611,292	107,637	1,270	14,747	2,308	99,440	1,804	85	4,478	51,200
50,001 – 100,000	217,205	147,134	30,503	255	3,198	573	25,778	175	0	1,062	8,527
100,001 – 1,000,000	484,955	338,466	51,583	793	7,451	1,110	47,199	35	2	2,014	36,302
1,000,001 or more	277,450	157,223	63,288	1,049	8,049	713	29,879	219	17	1,268	15,745
Total	**2,235,683**	**1,484,886**	**300,962**	**4,165**	**38,887**	**5,627**	**257,652**	**3,083**	**105**	**11,422**	**128,894**

Data Source: Geography Division.

* Government size is determined by the number of residential addresses in the MTdb at the beginning of the LUCA program.

Note: See the previous section for descriptions of the Option 1 "C" feedback processing codes

"D" – the "D" processing code identifies addresses deleted by Option 1 participants.

a. How many addresses were submitted by participants with the "D" action code?

- 628,446 (Table 47)

b. Of the total number of addresses submitted by participants and with the "D" action code and processed by the Census Bureau (Table 47)**:**

i. D1 – how many were confirmed during Address Canvassing and deleted from the Census address list?

- 384,919

ii. D2 – how many were not accepted because the address was found during Address Canvassing as a residential address?

- 218,387

iii. D3 – how many were not accepted because the address record lacked valid geographic and/or address information and/or format required for processing?

- 218

iv. D4 – how many were not accepted because the address record did not contain a valid MAFID?

- 322

v. D5 – how many were not accepted because the address was found during Address Canvassing as a nonresidential address and was retained in the MTdb, but was not mailed to?

- 9,199

vi. D6 – how many were not accepted because the address was identified during Address Canvassing as an OLQ and referred to GQV for verification?

- 10,066

vii. D7 – how many were not accepted because the address was found during Address Canvassing to exist as an uninhabitable address?

- 5,335

The "D" processing code identifies addresses deleted by Option 1 participants. A shown in Table 47, participants submitted 628,446 addresses as deletes, "D." Of the total submitted, Address Canvassing confirmed and deleted 384,919 (D1) but did not accept 218,387 (D2) because they were found as residential addresses. Only 218 addresses (D2) were not accepted for processing because they lacked valid geographic and/or address information and/or formatting while 322 (D3) were not accepted because they did not contain a valid MAFID.

Address Canvassing found 9,199 (D5) address deletes as nonresidential addresses. These were retained in the MTdb and were not mailed to. Over 10,000 (D6) deletes were identified by

Address Canvassing as an OLQ and referred to GQV for verification. Address Canvassing did not accept 5,335 (D7) deletes because these were found as uninhabitable addresses.

Table 47. 2010 Census LUCA Option 1 "D" Action Code Submissions and "D" Feedback Processing Codes by Government Type and Size

Government Type Size*	Total "D"s Submitted	"D" Feedback Processing Code						
		D1	D2	D3	D4	D5	D6	D7
State	10,922	8,202	2,515	17	0	69	45	74
AIR	438	273	150	0	0	10	1	4
County	254,882	139,415	107,049	152	297	3,240	3,149	1,580
Place	299,091	199,015	86,021	45	17	4,750	5,972	3,271
MCD	63,113	38,014	22,652	4	8	1,130	899	406
Total	**628,446**	**384,919**	**218,387**	**218**	**322**	**9,199**	**10,066**	**5,335**
1,000 or fewer	43,336	27,770	13,622	3	5	1,184	286	466
1,001 – 6,000	126,254	81,390	39,530	24	17	2,588	1,721	984
6,001 – 50,000	262,117	157,743	92,955	156	49	3,859	5,489	1,866
50,001 – 100,000	68,042	40,034	26,077	10	0	685	973	263
100,001 – 1,000,000	119,673	70,713	44,564	8	251	854	1,578	1,705
1,000,001 or more	9,024	7,269	1,639	17	0	29	19	51
Total	**628,446**	**384,919**	**218,387**	**218**	**322**	**9,199**	**10,066**	**5,335**

Data Source: Geography Division.
* Government size is determined by the number of residential addresses in the MTdb at the beginning of the LUCA program.
Note: See the previous section for descriptions of the Option 1 "D" feedback processing codes.

"J" – the "J" processing code identifies addresses Option 1 participants submitted as out of jurisdiction addresses.

a. How many addresses were submitted by participants with the "J" action code?

- 345,082 (Table 48)

b. Of the total number of addresses submitted by Option 1 participants with the "J" action code and processed by the Census Bureau (Table 48)**:**

i. J1 – how many were accepted because the addresses were not found within the jurisdiction during Address Canvassing?

- 99,165

ii. J2 – how many were not accepted because they were found inside the jurisdiction during Address Canvassing as a residential address?

- 238,386

iii. J3 – how many were not accepted because they lacked valid geographic and/or address information and/or format required for processing?

- 41

iv. J4 – how many were not accepted because they did not contain a valid MAFID?

- 5

v. J5 – how many were not accepted because they were found within the jurisdiction during Address Canvassing as a nonresidential address with no housing units?

- 1,569

vi. J6 – how many were not accepted because they were found within the jurisdiction during Address Canvassing and identified as an OLQ and referred to GQV for verification?

- 5,104

vii. J7 – how many were not accepted because they were found within the jurisdiction during Address Canvassing as an uninhabitable address?

- 812

The "J" processing code identifies addresses Option 1 participants submitted as out of jurisdiction addresses. According to Table 48, participants submitted 345,082 out of jurisdiction addresses. Of the total, 99,165 (J1) were accepted because they were not found by Address Canvassing within the jurisdiction while 238,386 (J2) were not accepted because they were found within the jurisdiction. There were 41 "J" addresses submitted by participants that were not accepted because they lacked valid geographic and/or address information and/or required formatting (J3) while only five (J4) did not contain a valid MAFID.

Of the "J" addresses not accepted, 1,569 were identified as J5 because they were found within the jurisdiction during Address Canvassing as a nonresidential address with no housing units. Address Canvassing identified 5,104 (J6) submissions as an OLQ and referred these addresses to GQV for verification. There were 812 (J7) address submissions found within jurisdictions as uninhabitable addresses and, therefore, they were not accepted.

Table 48. 2010 Census LUCA Option 1 "J" Action Code Submissions and "J" Feedback Processing Codes by Government Type and Size

Government Type Size*	Total "J"s Submitted	"J" Feedback Processing Code						
		J1	J2	J3	J4	J5	J6	J7
State	78	24	54	0	0	0	0	0
AIR	1,580	258	1,307	0	0	8	0	7
County	234,584	27,816	202,230	10	5	872	2,965	686
Place	73,285	59,418	11,354	29	0	471	1,925	88
MCD	35,555	11,649	23,441	2	0	218	214	31
Total	**345,082**	**99,165**	**238,386**	**41**	**5**	**1,569**	**5,104**	**812**
1,000 or fewer	9,227	6,723	2,365	0	0	104	9	26
1,001 – 6,000	50,214	25,954	23,585	3	0	331	252	89
6,001 – 50,000	137,268	44,177	89,201	33	4	630	2,983	240
50,001 – 100,000	37,156	5,371	31,080	1	0	199	419	86
100,001 – 1,000,000	111,216	16,940	92,155	4	0	305	1,441	371
1,000,001 or more	1	0	0	0	1	0	0	0
Total	**345,082**	**99,165**	**238,386**	**41**	**5**	**1,569**	**5,104**	**812**

Data Source: Geography Division.
* Government size is determined by the number of residential addresses in the MTdb at the beginning of the LUCA program.
Note: See the previous section for descriptions of the Option 1 "J" feedback processing codes.

"N" – the "N" processing code identifies addresses Option 1 participants submitted as nonresidential addresses.

a. How many addresses were submitted by participants with the "N" action code?

- 33,403 (Table 49)

b. Of the total number of addresses submitted by Option 1 participants with the "N" action code and processed by the Census Bureau (Table 49)**:**

i. N1 – how many were accepted because they were found during Address Canvassing as a nonresidential address?

- 8,856

ii. N2 – how many were not accepted because they were not found during Address Canvassing?

- 12,883

iii. N3 – how many were not accepted because they were found during Address Canvassing as a residential address?

- 9,505

iv. N4 – how many were not accepted because they were missing required address data for processing?

- 17

v. N5 – how many were not accepted because they lacked a valid MAFID?

- 880

vi. N6 – how many were not accepted because they were found during Address Canvassing as a residential address, identified as an OLQ, and referred to GQV?

- 1,030

vii. N7 – how many were not accepted because they were found during Address Canvassing as an uninhabitable residential address?

- 232

The "N" processing code identifies addresses Option 1 participants submitted as nonresidential addresses. Table 49 contains the number of "N" action codes for addresses identified by participants as nonresidential and the feedback processing code for each address submitted.

Of the total 33,403 "N" action codes submitted, 8,856 (N1) were accepted as nonresidential addresses. The largest number, 12,883 (N2) were not accepted because they were not found during Address Canvassing while 9,505 (N3) were not accepted because they were found as residential addresses.

Only 17 addresses were not accepted because they were missing required address data for processing (N4) while 880 (N5) were not accepted because they lacked a valid MAFID. Although 1,030 addresses were marked as nonresidential by participants, the Address

Canvassing Operation identified them as OLQ residential addresses and referred them for verification to GQV (N6). Address Canvassing found 232 as uninhabitable residential addresses (N7).

Table 49. 2010 Census LUCA Option 1 "N" Action Code Submissions and "N" Feedback Processing Codes by Government Type and Size

Government Type Size*	Total "N"s Submitted	"N" Feedback Processing Code						
		N1	N2	N3	N4	N5	N6	N7
State	73	19	24	27	0	0	1	2
AIR	25	15	4	5	0	0	1	0
County	12,663	2,539	5,254	3,783	15	870	163	39
Place	16,966	5,442	6,521	4,066	1	10	780	146
MCD	3,676	841	1,080	1,624	1	0	85	45
Total	**33,403**	**8,856**	**12,883**	**9,505**	**17**	**880**	**1,030**	**232**
1,000 or fewer	5,961	2,374	1,877	1,553	0	9	83	65
1,001 – 6,000	7,756	2,316	2,841	2,158	0	1	379	61
6,001 – 50,000	10,801	2,540	3,828	3,410	17	459	469	78
50,001 – 100,000	6,522	837	3,333	1,910	0	410	22	10
100,001 – 1,000,000	2,350	786	1,002	467	0	0	77	18
1,000,001 or more	13	3	2	7	0	1	0	0
Total	**33,403**	**8,856**	**12,883**	**9,505**	**17**	**880**	**1,030**	**232**

Data Source: Geography Division.
* Government size is determined by the number of residential addresses in the MTdb at the beginning of the LUCA program.
Note: See the previous section for descriptions of the Option 1 "N" feedback processing codes.

"R" – the "R" processing codes identify addresses submitted by participants with blank or erroneous codes or noncity-style addresses.

a. R1 – how many address records were submitted without an action code or did not contain an action code with a value equal to A, C, D, J, or N?

- 11,575 (Table 50)

b. R2 – how many address records were not accepted because the address was a noncity-style address?

- 11,557 (Table 50)

The "R" processing codes identify addresses submitted by participants with blank or erroneous codes or noncity-style addresses. Of the total number of added addresses submitted, 11,575 were submitted without an action code or did not contain an action with a value of A, C, D, J, or N as shown in Table 50. Nearly all of these addresses were submitted by a county in the 6,001-50,000 address size category. These addresses were identified with the "R1" processing code. In addition, 11,557 addresses were submitted as noncity-style addresses. Over half of these addresses were submitted by counties while 3,672 were submitted by states.

Table 50. 2010 Census LUCA Option 1 "R1" and "R2" Feedback Processing Codes for Addresses Submitted with Blank or Erroneous Codes or Noncity-style by Government Type and Size

Government Type Size*	"R1" Blank or No Action Code	"R2" Noncity-style
State	0	3,672
AIR	0	0
County	11,535	7,376
Place	30	480
MCD	10	29
Total	**11,575**	**11,557**
1,000 or fewer	20	150
1,001 – 6,000	16	7,173
6,001 – 50,000	11,535	260
50,001 – 100,000	1	300
100,001 – 1,000,000	3	2
1,000,001 or more	0	3,672
Total	**11,575**	**11,557**

Data Source: Geography Division.
* Government size is determined by the number of residential addresses in the MTdb at the beginning of the LUCA program.
Note: See the previous section for descriptions of the Option 1 "R" feedback processing codes.

"X1" – the "X1" processing code was a Census Bureau assigned code used to identify addresses that were on the participants' initial address lists, but were deleted during the Address Canvassing Operation for a number of reasons.

The purpose of the X1 code was to call attention to the LUCA participant addresses that were reviewed and made no changes to during the review but were deleted during Address Canvassing, making them eligible for appeals.

"X1" – how many address records on the census initial address list were reported as a delete?

i. How many addresses identified as "X1" were on the Detailed Feedback Address List?

- 7,174,426 – "X1" on Detailed Feedback Address List (Table 51)

ii. How many addresses identified as "X1" were appealed by participants?

- 561,372 – "X1" addresses appealed (Table 51)

As shown in Table 51, of the 7,174,426 Address Canvassing deletes (X1) on the Option 1 Full Address Lists, 561,372 were appealed.

Table 51. 2010 Census LUCA Option 1 "X1" Feedback Processing Code for Addresses Deleted During Address Canvassing by Government Type and Size

Government Type Size*	"X1" AC Deletes	"X1" Total Appealed
State	2,146,240	70,397
AIR	35,010	440
County	3,013,398	213,513
Place	1,761,785	255,285
MCD	217,993	21,737
Total	**7,174,426**	**561,372**
1,000 or fewer	71,788	3,070
1,001 – 6,000	349,866	26,569
6,001 – 50,000	1,571,112	148,296
50,001 – 100,000	642,817	60,155
100,001 – 1,000,000	2,185,681	208,877
1,000,001 or more	2,353,162	114,405
Total	**7,174,426**	**561,372**

Data Source: Geography Division.
* Government size is determined by the number of residential addresses in the MTdb at the beginning of the LUCA program.
Note: See the previous section for descriptions of the Option 1 "X" feedback processing codes.

5.1.19 Question 19: How many Option 2 address records submitted by participants and processed by the Census Bureau were assigned each processing code on the Detailed Feedback Address List?

Of the 24,192,180 addresses submitted by Option 2 participants and processed by the Census Bureau (Table 52):

i. A1 –how many were confirmed during Address Canvassing and added to the MTdb?

- 600,239

ii. A2 – how many matched existing records in the MTdb and were confirmed during Address Canvassing?

- 15,804,763

iii. A3 – how many were added to the MTdb, but found in a different version (e.g., different block number) during Address Canvassing?

- 2,986,721

iv. A4 – how many were identified during Address Canvassing as an OLQ and processed through GQV for verification?

v. 52,742

vi. **A5 – how many GQ addresses flagged by participants were found as an HU during Address Canvassing and not referred to GQV?**

- 17,229

vii. **A6 – how many were not flagged by participants as a GQ, but identified by Address Canvassing as an OLQ and processed through GQV for verification?**

- 137,389

viii. **A7 – how many were added to the MTdb but found as an uninhabitable address during Address Canvassing?**

- 81,461

ix. **A8 – how many could not be found during Address Canvassing?**

- 4,046,152

x. **A9 – how many were not accepted because they were missing required data and/or format for processing?**

- 24,121

xi. **A10 – how many were not accepted because they were found during Address Canvassing as nonresidential addresses with no housing units?**

- 412,680

xii. **A11 – how many were not accepted because the address record could not be processed, including duplicate add records or add records submitted with a MAFID?**

- 28,683

Since Option 2 participants were required to submit their local address file of city-style addresses only, the Census Bureau assigned the "A" processing code to each address record submitted, the R2 processing code to identify noncity-style address submissions, and the X1 processing code to identify addresses that were on the initial census address list but were deleted by the Address Canvassing Operation.

As shown in Table 52, Option 2 participants submitted 24,192,180 addresses. Counties submitted 13,576,325 addresses or over half of the total, followed by places with 9,705,535 address submissions.

Address Canvassing confirmed 600,239 (A1) addresses that were added to the MTdb. The largest number of submissions, 15,804,763, matched existing records in the MTdb and was confirmed during Address Canvassing (A2). The A3 processing code identified 2,986,721 addresses that were added to the MTdb but found during Address Canvassing in a different version such as a different block number.

There were 52,742 (A4) addresses flagged as Group Quarters (GQ) by Option 2 participants that were identified as an Other Living Quarter (OLQ) or potential GQ by Address Canvassing and processed through Group Quarters Validation (GQV) for verification. Address Canvassing

identified 17,229 addresses as housing units that were flagged by participants as GQs and, therefore, they were not referred to GQV (A5). In addition, 137,389 (A6) were not flagged by participants as GQs but were found during Address Canvassing as an Other Living Quarters (OLQ) and processed through GQV to verify that they were acceptable GQ or housing unit addresses.

The A7 processing code identified 81,461 addresses that were added to the MTdb but found during Address Canvassing as uninhabitable.

The second largest number of submissions, 4,046,152 (A8), were not accepted because they could not be found during Address Canvassing.

Of the total number of submissions, 24,121 were identified as A9 because they were missing required data and/or appropriate format for processing and were not accepted. Although participants were required to submit residential addresses only, 412,680 (A10), were found as nonresidential addresses with no housing units during Address Canvassing and were not accepted. The A11 processing code identified 28,683 addresses that were not accepted because they were duplicate add records or adds submitted with a MAFID.

Table 52. 2010 Census LUCA Option 2 Address Submissions and "A" Feedback Processing Codes by Government Type and Size

Government Type Size*	Total Addresses Submitted	"A" Feedback Processing Code										
		A1	A2	A3	A4	A5	A6	A7	A8	A9	A10	A11
State	579,396	23,815	191,417	89,201	31,975	5,645	7,784	1,617	206,862	308	20,379	393
AIR	5,001	189	3,394	306	1	0	5	26	962	0	118	0
County	13,576,325	434,012	8,952,559	1,524,205	7,581	5,863	56,927	37,352	2,255,115	18,677	258,341	25,693
Place	9,705,535	133,558	6,424,229	1,336,444	13,045	5,665	70,519	42,135	1,543,484	5,021	128,977	2,458
MCD	325,923	8,665	233,164	36,565	140	56	2,154	331	39,729	115	4,865	139
Total	**24,192,180**	**600,239**	**15,804,763**	**2,986,721**	**52,742**	**17,229**	**137,389**	**81,461**	**4,046,152**	**24,121**	**412,680**	**28,683**
1,000 or fewer	66,698	6,507	30,567	9,932	100	240	187	254	17,458	54	1,391	8
1,001 – 6,000	664,538	41,525	352,217	85,169	710	464	4,986	2,435	162,266	1,249	12,485	1,032
6,001 – 50,000	6,731,632	273,503	4,148,273	749,364	9,094	5,900	30,781	20,759	1,320,963	13,053	153,317	6,625
50,001 – 100,000	3,109,766	74,407	2,013,043	355,685	3,204	2,816	21,882	7,706	545,824	3,584	81,455	160
100,001 – 1,000,000	12,515,740	177,065	8,668,742	1,674,729	7,659	2,164	71,680	48,040	1,696,715	5,873	142,608	20,465
1,000,001 or more	1,103,806	27,232	591,921	111,842	31,975	5,645	7,873	2,267	302,926	308	21,424	393
Total	**24,192,180**	**600,239**	**15,804,763**	**2,986,721**	**52,742**	**17,229**	**137,389**	**81,461**	**4,046,152**	**24,121**	**412,680**	**28,683**

Data Source: Geography Division.
* Government size is determined by the number of residential addresses in the MTdb at the beginning of the LUCA program.
Note: See the previous section for descriptions of the Option 2 "A" feedback processing codes.

"R" – the "R" processing code identifies addresses submitted by participants as noncity-style addresses.

R2 – how many address records were not accepted because the address was a noncity-style address?

- 272 (Table 53)

Although Option 2 participants were required to submit city-style addresses only, Table 53 shows that one county submitted 272 noncity-style address records that were not processed by the Census Bureau.

Table 53. 2010 Census LUCA Option 2 "R2" Feedback Processing Code for Addresses Submitted with Noncity-style Addresses by Government Type and Size

Government Type Size*	"R2" Noncity- style
State	0
AIR	0
County	272
Place	0
MCD	0
Total	**272**
1,000 or fewer	0
1,001 – 6,000	0
6,001 – 50,000	272
50,001 – 100,000	0
100,001 – 1,000,000	0
1,000,001 or more	0
Total	**272**

Data Source: Geography Division.
* Government size is determined by the number of residential addresses in the MTdb at the beginning of the LUCA program.

"X1" – the "X1" processing code was a Census Bureau assigned code used to identify addresses that were on the participants' initial address lists, but were deleted during the Address Canvassing Operation.

The purpose of the X1 code was to call attention to the LUCA participant addresses that were reviewed and made no changes to during the review but were deleted during Address Canvassing, making them eligible for appeals.

"X1" – how many address records on the census initial address list were reported as a delete as a result of the Address Canvassing operation?

i. How many addresses identified as "X1" were on the Detailed Feedback Address List?

ii. 3,812,717 – "X1" on Detailed Feedback Address List (Table 54)

iii. How many addresses identified as "X1" were appealed by participants?

- 99,427 – "X1" addresses appealed (Table 54)

Table 54 shows there were 3,812,717 Address Canvassing deletes on the Option 2 Full Address Lists of which 99,427 were appealed.

Of the 2,074,491 AC deletes for states, only 3,337 were appealed. Counties appealed a larger number, 60,587 of the 1,331,950 deletes. In address size categories, governments with 1,000,001 or more addresses had the largest number of AC deletes with 2,136, 926.

Table 54. 2010 Census LUCA Option 2 "X1" Feedback Processing Code for Addresses Deleted During Address Canvassing by Government Type and Size

Government Type Size*	"X1"	
	AC deletes	Total Appealed
State	2,074,491	3,337
AIR	730	4
County	1,331,950	60,587
Place	387,632	34,761
MCD	17,914	738
Total	**3,812,717**	**99,427**
1,000 or fewer	11,346	273
1,001 – 6,000	93,320	1,860
6,001 – 50,000	606,961	32,152
50,001 – 100,000	275,111	15,054
100,001 – 1,000,000	689,053	46,751
1,000,001 or more	2,136,926	3,337
Total	**3,812,717**	**99,427**

Data Source: Geography Division.
* Government size is determined by the number of residential addresses in the MTdb at the beginning of the LUCA program.

5.1.20 Question 20: How many Option 3 address records were submitted by participants and processed by the Census Bureau?

a. How many were confirmed during Address Canvassing and added to the MTdb?

b. How many matched existing records in the MTdb and were confirmed during Address Canvassing?

c. How many were added to the MTdb, but found in a different version (e.g., different block number) during Address Canvassing?

d. How many were identified during Address Canvassing as an OLQ and processed through GQV for verification?

e. How many were not flagged by participants as a GQ but identified by Addressing Canvassing as an OLQ, and processed through GQV for verification?

f. How many were added to the MTdb but found as an uninhabitable address during Address Canvassing?

g. How many were not accepted because they could not be found during Address Canvassing?

h. How many were not accepted because they were missing required data and/or format for processing?

i. How many were not accepted because they were found during Address Canvassing as nonresidential addresses with no housing units?

j. How many were not accepted because the address record could not be processed including duplicate add records or add records submitted with a MAFID?

Option 3 participants did not receive the Census Bureau address list; therefore, they did not receive feedback processing results for the addresses they submitted. However, Table 55 shows the results of address processing after the Address Canvassing operation.

Option 3 participants submitted 5,227,825 addresses of which Address Canvassing confirmed 4,181,068. Of those confirmed, 320,601 were unmatched new adds and 3,860,467 matched existing address records in the MAF.

Table 55. 2010 Census LUCA Option 3 Submitted Addresses Processed by the Census Bureau by Government Type and Size

		Addresses Processed										
Government Type Size*	**Total Submitted**	**Total Confirm in AC**	**Unmatched New Adds Confirm in AC**	**Matched Existing**	**Added but Different Version**	**OLQ**	**ID'd as OLQ**	**Un inhabitable**	**Not Found**	**Missing Data or Format**	**Non residential**	**Could Not Process**
State	281,491	235,319	35,818	199,501	38,209	829	796	708	2,989	153	1,533	2
AIR	3,054	2,777	179	2,598	241	1	1	21	0	7	21	0
County	3,600,718	2,786,359	220,306	2,566,053	765,023	9,760	9,139	7,116	29,200	258	87,228	5,713
Place	1,069,455	916,189	47,855	868,334	203,541	2,605	2,078	1,052	10,552	393	17,562	323
MCD	273,107	240,424	16,443	223,981	38,177	981	895	263	3,863	36	2,427	21
Total	**5,227,825**	**4,181,068**	**320,601**	**3,860,467**	**1,045,191**	**14,176**	**12,909**	**9,160**	**46,604**	**847**	**108,771**	**6,059**
1,000 or fewer	30,503	25,191	4,204	20,987	3,768	116	106	100	93	19	294	1
1,001 – 6,000	236,767	193,602	19,944	173,658	35,846	740	652	354	3,769	337	2,685	20
6,001 – 50,000	1,992,798	1,610,220	132,282	1,477,938	339,799	5,402	4,529	3,931	14,707	98	42,142	616
50,001 – 100,000	868,658	715,011	43,152	671,859	181,656	2,576	2,427	2,153	6,136	179	24,970	3,220
100,001 – 1,000,000	2,089,609	1,628,483	120,510	1,507,973	483,877	5,335	5,188	2,605	21,891	213	38,642	2,202
1,000,001 or more	9,490	8,561	509	8,052	245	7	7	17	8	1	38	0
Total	**5,227,825**	**4,181,068**	**320,601**	**3,860,467**	**1,045,191**	**14,176**	**12,909**	**9,160**	**46,604**	**847**	**108,771**	**6,059**

Data Source: Geography Division.
* Government size is determined by the number of residential addresses in the MTdb at the beginning of the LUCA program.

Detailed Feedback Address Count Challenge List

Option 1 participants could challenge the count of addresses for any block within their jurisdiction on the Address Count List. The Detailed Address Count Challenge List contained the original census count of housing unit addresses, the participant count of housing unit addresses, the final census count of housing unit addresses, the original census count of other living quarters addresses, the participant count of other living quarters addresses, and the final census count of other living quarters addresses.

5.1.21 Question 21: How many blocks were challenged by Option 1 participants?

- 100,368 – blocks challenged (Table 56)

a. In how many blocks did the address counts decrease?[8]

- Data unavailable

b. How many challenges were nullified because the entity also updated addresses in the challenged block?

- 27,206 – blocks nullified (Table 56)

Table 56 contains the total number of returns with block challenges, the total number of block challenges processed, and the total number of blocks challenged but nullified. Although participants could challenge the count of addresses for any census block within their jurisdiction, they could not update addresses and challenge the address count within the same census block. In these instances, challenged blocks were nullified.

Of the 1,028 returns that contained block challenges, 100,368 block challenges were processed. Although places had the largest number of returns, 748, the 109 county returns had the largest number of processed block challenges with 60,585. Counties also had the largest number of blocks nullified with 16,290.

[8] Ongoing maintenance of the MTdb often results in the splitting and subsequent resuffixing of tabulation blocks, therefore as the feedback products were created using the most current version of the MTdb, they reflected a different set of suffixed blocks. To avoid misinterpretation of the feedback products, the Detailed Feedback Address List and the Detailed Feedback Address Count Challenge List aggregated data for all suffixed parts of each block into the root Census 2000 "Parent" tabulation block. For this reason, a comparison of challenged blocks to those where counts decreased is not possible.

Table 56. 2010 Census LUCA Option 1 Block Challenges by Government Type and Size

Government Type Size*	Total Returns with Block Challenges	Total Usable Block Challenges Processed	Total of Blocks Nullified
State	6	5,986	69
AIR	11	1,395	3
County	109	60,585	16,290
Place	748	30,375	10,515
MCD	154	2,027	329
Total	**1,028**	**100,368**	**27,206**
1,000 or fewer	496	2,972	988
1,001 – 6,000	303	8,881	2,609
6,001 – 50,000	181	33,874	9,424
50,001 – 100,000	23	20,894	4,087
100,001 – 1,000,000	24	32,961	10,094
1,000,001 or more	1	786	4
Total	**1,028**	**100,368**	**27,206**

Data Source: Geography Division.
* Government size is determined by the number of residential addresses in the MTdb at the beginning of the LUCA program.

Full Address List and Full Address Count List

Option 1 and Option 2 participants received the Full Address List. This list contained updates from their participation in LUCA, the Address Canvassing results, and address information provided by the U.S. Postal Service. The Full Address Count List contained the count of residential addresses for housing units and other living quarters for each census block within the participant's jurisdiction.

5.1.22 Question 22: How many addresses were listed on the Full Address List compared to the initial Address List?

Table 57 is a comparison of the total number of addresses on the initial Address Lists and the total number of addresses on the Full Address Lists. The initial address lists had 149,436,030 addresses, 7,381,608 less than the Full Address Lists, which contained 156,817,638 addresses. Counties had the largest increase in addresses with a 4,030,021 increase followed by places with a 2,016,982 increase. By government size, governments in the 100,001 – 1,000,000 address size category had the largest increase with 2,725,418 more addresses followed by governments in the 6,001 – 50,000 address size category with 1,964,767 more addresses and the 1,000,001 and more address size category with 1,365,061 more addresses.

Table 57. 2010 Census LUCA Option 1 and Option 2 Comparison of Full Address List to the Initial Address List by Government Type, Size, and Option

Government Type Size* Option	Total Addresses on Initial Address List	Total Addresses on Full Address List	Difference
State	26,323,914	27,406,081	1,082,167
AIR	151,005	168,782	17,777
County	68,527,970	72,557,991	4,030,021
Place	49,789,710	51,806,692	2,016,982
MCD	4,643,431	4,878,092	234,661
Total	**149,436,030**	**156,817,638**	**7,381,608**
1,000 or fewer	1,157,628	1,223,407	65,779
1,001 – 6,000	6,618,392	7,040,489	422,097
6,001 – 50,000	33,486,884	35,451,651	1,964,767
50,001 – 100,000	13,977,377	14,815,863	838,486
100,001 – 1,000,000	53,823,087	56,548,505	2,725,418
1,000,001 or more	40,372,662	41,737,723	1,365,061
Total	**149,436,030**	**156,817,638**	**7,381,608**
Option 1	110,213,339	115,009,580	4,796,241
Option 2	39,222,691	41,808,058	2,585,367
Total	**149,436,030**	**156,817,638**	**7,381,608**

Data Source: Geography Division.
* Government size is determined by the number of residential addresses in the MTdb at the beginning of the LUCA program.

Group Quarters Validation

5.1.23 Question 23: How many addresses were identified by participants as Group Quarters by government type, HU count, and option?

- See Table 58

a. How many LUCA submitted addresses identified by participants as GQs were sent to GQV for verification?

- 364,049 (Table 58)

b. How many LUCA submitted addresses identified by participants as GQs were verified as GQs?

- 61,119 (Table 58)

c. How many LUCA submitted addresses identified by participants as GQs were verified as HUs, Transient Location (TL), or nonresidential?

- 302,645 (Table 58)

According to Table 58, participants identified 364,049 addresses as Group Quarters (GQs). Of the total, 61,119 GQs were verified as GQs, while 302,645 were verified as HUs, TLs, or nonresidential.

Table 58. 2010 Census LUCA Addresses Identified by Participants as Group Quarters by Government Type, Size, and Option

Government Type Size* Option	Total Participant Submitted GQs	Total Participant Submitted GQs Verified	Total Participant Submitted GQs Not GQs
State	52,288	23,552	28,588
AIR	149	20	129
County	118,233	13,885	104,299
Place	182,718	22,076	160,557
MCD	10,661	1,586	9,072
Total	**364,049**	**61,119**	**302,645**
1,000 or fewer	3,222	828	2,394
1,001 – 6,000	22,147	3,108	19,021
6,001 – 50,000	99,593	13,494	86,069
50,001 – 100,000	40,138	3,800	36,330
100,001 – 1,000,000	124,500	12,724	111,730
1,000,001 or more	74,449	27,165	47,101
Total	**364,049**	**61,119**	**302,645**
Option 1	153,864	22,577	131,207
Option 2	189,428	35,823	153,410
Option 3	20,757	2,719	18,028
Total	**364,049**	**61,119**	**302,645**

Data Source: Geography Division.
* Government size is determined by the number of residential addresses in the MTdb at the beginning of the LUCA program.

Address Appeals

5.1.24 Question 24: Of the total number of appealable addresses, how many were appealed by government type, HU count, and option (Option 1 and Option 2)?

- See Table 59

a. How many governments were eligible to appeal addresses?

- 7,587 governments eligible (Table 59)
- 2,418 governments filed appeals (Table 59)

b. How many accepted appealed addresses were delivered to GEO for the MAF update process? How many of the upheld appealed addresses were rejected during the MAF update process?

- 1,634,497 total accepted (Table 59)
- 161,670 total rejected (Table 59)

c. Of the accepted appealed addresses, how many were included in the late mail-out of census questionnaires?

- 1,399,467 appealed addresses included (Table 60)

i. How many were Undeliverable As Addressed (UAA)?[9]

- Data unavailable

ii. How many completed questionnaires were returned?

- 102,376 questionnaires returned (Table 60)

iii. How many completed questionnaires were returned before the Vacant Delete Check (VDC) operation?

- 310 questionnaires returned before VDC (Table 60)

iv. How many appealed addresses were visited during the Vacant Delete Check (VDC) operation?

- 798,869 addresses visited during VDC (Table 60)

Option 1 governments were eligible to file address appeals if they returned address additions or corrections to the 2010 Census Address List, challenged the count of addresses in one or more census blocks, or certified to the Census Bureau that the 2010 Census Address List was correct and required no update.

[9] The data to answer the question "How many were Undeliverable As Addressed (UAA)?" are unavailable. Geography Division staff is conducting further research for additional details on specific reasons for UAAs.

Option 2 governments were eligible to file address appeals if they returned address additions to the 2010 Census Address List, or they certified to the Census Bureau that the 2010 Census Address List was correct and required no update.

According to Table 59, there were 7,587 governments eligible to file address appeals of which 2,418 filed appeals; 2,060 were Option 1 participants and 358 were Option 2 participants.

The 2,418 governments appealed 1,796,167 addresses. Of those appealed, 1,634, 497 addresses were accepted and 161,670 were rejected. The majority of rejected addresses lacked supporting documentation or they were new addresses submitted for unchallenged blocks.

Table 59. 2010 Census LUCA Option 1 and Option 2 Address Appeals by Government Type, Size, and Option

Government Type Size* Option	Total Eligible Gov'ts	Total Gov'ts Filing Appeals	Total Addresses Appealed	Total Accepted	Total Rejected	Total Enumerated
State	21	11	230,516	230,502	14	85,525
AIR	51	5	2,874	2,820	54	104
County	1,045	405	779,576	726,253	53,323	420,919
Place	4,849	1,625	741,931	635,768	106,163	379,743
MCD	1,621	372	41,270	39,154	2,116	28,942
Total	**7,587**	**2,418**	**1,796,167**	**1,634,497**	**161,670**	**915,233**
1,000 or fewer	2,756	616	17,807	15,099	2,708	10,270
1,001 – 6,000	2,507	762	110,183	88,100	22,083	55,992
6,001 – 50,000	1,875	776	520,833	444,328	76,505	266,687
50,001 – 100,000	211	118	209,590	176,444	33,146	113,637
100,001 – 1,000,000	216	132	675,974	648,759	27,215	363,677
1,000,001 or more	22	14	261,780	261,767	13	104,970
Total	**7,587**	**2,418**	**1,796,167**	**1,634,497**	**161,670**	**915,233**
Option 1	6,630	2,060	1,166,615	1,033,865	132,750	583,703
Option 2	957	358	629,552	600,632	28,920	331,530
Total	**7,587**	**2,418**	**1,796,167**	**1,634,497**	**161,670**	**915,233**

Data Source: Geography Division.
* Government size is determined by the number of residential addresses in the MTdb at the beginning of the LUCA program.

The initial enumeration universe included LUCA addresses verified during Address Canvassing. LUCA addresses that did not return a census questionnaire were enumerated via the Nonresponse Followup (NRFU) operation. Addresses deleted or found vacant during NRFU were forwarded to the NRFU Vacant Delete Check (NRFU VDC) operation.

The Census Bureau initiated a late mailout of census questionnaires for successfully appealed addresses that could not be included in the initial enumeration universe. Those appealed addresses that did not respond to the late mailout or were not included in the late mailout were included in the NRFU VDC.

Table 60 shows that the late mailout included 1,399,467 addresses. Over 1,100,000 were in counties (611,924) and places (562,566). By government size, the largest number, 586,238 were in governments with 100,001 – 1,000,000 addresses.

Of the 102,376 total number of appealed addresses matched to non-ID returns[10], 51,790 were in counties and 40,937 were in places. The largest number of returns were in governments with 100,001 – 1,000,000 addresses with 45,291 and Option 2 participants with 60,143 returns.

There were only 310 returns before the NRFU VDC operation, with 301 returns in places (180) and MCDs (121) while AIRs returned four and counties returned five. Governments with 1,000 or fewer addresses and 6,001 – 50,000 addresses returned 117 and 104, respectively. Governments with 1,001 – 6,000 addresses returned the remaining 89.

There were 798,869 addresses visited during VDC with over 600,000 of these in counties (333,890) and places (312,921), and 140,216 in states. Governments in the 100,001 – 1,000,000 address size category had the largest number with 326,521 followed by governments in the 6,001 – 50,000 address size category with 188,711.

Table 60. 2010 Census LUCA Accepted Appealed Addresses Included in the Late Mailout by Government Type, Size, and Option

Government Type Size* Option	Total in Late Mailout	Total Matched to Non-ID Returns	Total Returns Before VDC	Total Visited During VDC
State	190,680	7,312	0	140,216
AIR	78	116	4	43
County	611,924	51,790	5	333,890
Place	562,566	40,937	180	312,921
MCD	34,219	2,221	121	11,799
Total	**1,399,467**	**102,376**	**310**	**798,869**
1,000 or fewer	7,776	1,558	117	5,426
1,001 – 6,000	48,631	4,355	89	30,887
6,001 – 50,000	373,545	24,748	104	188,711
50,001 – 100,000	152,092	11,696	0	69,601
100,001 – 1,000,000	586,238	45,291	0	326,521
1,000,001 or more	231,185	14,728	0	177,723
Total	**1,399,467**	**102,376**	**310**	**798,869**
Option 1	887,640	42,233	303	482,180
Option 2	511,827	60,143	7	316,689
Total	**1,399,467**	**102,376**	**310**	**798,869**

Data Source: Geography Division.
* Government size is determined by the number of residential addresses in the MTdb at the beginning of the LUCA program.

[10] Non-ID returns are completed census questionnaires returned without a census identification number. The census identification number associates the response with a specific address in the Master Address File. Non-ID addresses may be obtained from Be Counted questionnaires, Individual Census Reports, Individual Census Questionnaires, Shipboard Census Reports, Military Census Reports, and questionnaires from Telephone Questionnaire Assistance. In addition, some questionnaires from census enumerator operations did not have an ID number.

Field Operations

5.1.25 Question 25: How many LUCA initial submission addresses were included in the Update/Leave Operation, Update/Enumerate Operation, and the Group Quarters Enumeration?

- 1,798,880 – Update/Leave
- 303,542 – Update/Enumerate
- N/A – Group Quarters Enumeration

How many were enumerated, marked as vacant, or deleted? (Table 62)

- 1,734,821 – enumerated and marked as vacant
- 64,059 – deleted

As shown in Table 61, the Update/Leave Operation included 1,798,880 LUCA initial submission addresses. Counties submitted 1,133,397 of the total number followed by 444,141 submissions by places. By government size, governments with 6,001 – 50,000 addresses submitted 660,234 addresses while governments in the 100,001 – 1,000,000 address size category submitted 480,721 addresses. Option 2 participants submitted the largest number, 915,155 addresses, followed by Option 1 with 610,551 addresses.

Counties also had the largest number of addresses in the Update/Enumerate Operation with 198,130 addresses. By government size, governments with 6,001 – 50,000 addresses submitted over half, 173,483, of the total 303,542 addresses.

Table 61. 2010 Census LUCA Initial Submission Addresses Included in Field Operations by Government Type, Size, and Option

Government Type Size* Option	Update/ Leave	Update/ Enumerate	GQ Enumeration
State	157,769	34,371	N/A
AIR	2,166	3,415	N/A
County	1,133,397	198,130	N/A
Place	444,141	30,857	N/A
MCD	61,407	36,769	N/A
Total	**1,798,880**	**303,542**	**N/A**
1,000 or fewer	119,555	5,985	N/A
1,001 – 6,000	270,511	20,548	N/A
6,001 – 50,000	660,234	173,483	N/A
50,001 – 100,000	185,951	59,597	N/A
100,001 – 1,000,000	480,721	26,485	N/A
1,000,001 or more	81,908	17,444	N/A
Total	**1,798,880**	**303,542**	**N/A**
Option 1	610,551	120,886	N/A
Option 2	915,155	110,061	N/A
Option 3	273,174	72,595	N/A
Total	**1,798,880**	**303,542**	**N/A**

Data Source: Geography Division.
N/A – Not Available
* Government size is determined by the number of residential addresses in the MTdb at the beginning of the LUCA program.

Table 62 shows that of the total 1,734,821 addresses enumerated and marked as vacant, the majority, 1,093,899, were in counties. Counties also had the largest number, 39,498 of the 64,059 deleted addresses.

Governments in the 6,001 – 50,000 address size category had the largest number of addresses enumerated and marked as vacant with 638,237 and the largest number of deleted addresses with 21,997. The smallest number of addresses enumerated and marked as vacant, 79,090, and deleted addresses, 2,818, was for governments in the 1,000,000 or more address size category.

Option 2 participants had the largest number of addresses enumerated and marked as vacant, (879,376), and deleted (35,779).

Table 62. 2010 Census LUCA Initial Submission Addresses Included in Field Operations by Government Type, Size, and Option

Government Type Size* Option	Enumerated Marked as Vacant	Deleted
State	153,292	4,477
AIR	2,026	140
County	1,093,899	39,498
Place	425,934	18,207
MCD	59,670	1,737
Total	**1,734,821**	**64,059**
1,000 or fewer	115,859	3,696
1,001 – 6,000	257,750	12,761
6,001 – 50,000	638,237	21,997
50,001 – 100,000	181,582	4,369
100,001 – 1,000,000	462,303	18,418
1,000,001 or more	79,090	2,818
Total	**1,734,821**	**64,059**
Option 1	588,651	21,900
Option 2	879,376	35,779
Option 3	266,794	6,380
Total	**1,734,821**	**64,059**

Data Source: Geography Division.
* Government size is determined by the number of residential addresses in the MTdb at the beginning of the LUCA program.

5.1.26 Question 26: How many LUCA initial submission addresses were included in the NRFU operation?

- 65,072 addresses included in NRFU (Table 63)

How many were not enumerated in NRFU and were included in the VDC operation?

- 886,940 addresses not enumerated in NRFU but in VDC (Table 63)

The Nonresponse Followup (NRFU) operation enumerated LUCA addresses that did not return a census questionnaire.

According to Table 63, the NRFU operation included 65,350 initially submitted addresses with largest number of addresses within counties (34,470) and places (25,290).

The VDC operation included 886,940 addresses not enumerated in NRFU.

Table 63. 2010 Census LUCA Initial Submission Addresses Included in NRFU by Government Type, Size, and Option

Government Type Size* Option	Total Initial Submission	Initial Submission Addresses	
		Total in NRFU	Total in VDC
State	3,400	3,375	144,036
AIR	20	20	79
County	34,470	34,353	385,237
Place	25,290	25,161	340,899
MCD	2,170	2,163	16,689
Total	**65,350**	**65,072**	**886,940**
1,000 or fewer	633	630	7,795
1,001 – 6,000	4,434	4,421	38,820
6,001 – 50,000	19,767	19,700	225,123
50,001 – 100,000	6,549	6,513	80,852
100,001 – 1,000,000	28,066	27,957	352,149
1,000,001 or more	5,901	5,851	182,201
Total	**65,350**	**65,072**	**886,940**
Option 1	27,759	27,640	509,684
Option 2	30,336	30,193	356,376
Option 3	7,255	7,239	20,880
Total	**65,350**	**65,072**	**886,940**

Data Source: Geography Division.
* Government size is determined by the number of residential addresses in the MTdb at the beginning of the LUCA program.

5.1.27 Question 27: How many LUCA initial submission or appealed addresses were included in the NRFU VDC?

- 886,940 initial submission or appealed addresses were included in NRFU VDC (Table 64)

Of the total, how many LUCA initial submission or appealed addresses were found vacant?

- 99,153 addresses were found vacant (Table 64)

How many were deleted?

- 2,459 addresses were deleted (Table 64)

Addresses deleted or found vacant during NRFU were forwarded to the NRFU Vacant Delete Check (VDC) operation. The Census Bureau initiated a late mailout of census questionnaires for successfully appealed addresses. Those addresses that did not respond to the late mailout or were not included in the late mailout were included in the NRFU VDC.

Table 64 shows that of the 886,940 addresses included in the NRFU VDC operation, 99,153 were found vacant while 2,459 were deleted.

Table 64. 2010 Census LUCA Initial Submission or Appealed Addresses Included in NRFU VDC by Government Type, Size, and Option

Government Type Size* Option	Total Included NRFU VDC	Total Found Vacant	Total Deleted
State	144,036	6,352	314
AIR	79	26	1
County	385,237	49,868	1,158
Place	340,899	39,940	932
MCD	16,689	2,967	54
Total	**886,940**	**99,153**	**2,459**
1,000 or fewer	7,795	1,226	72
1,001 – 6,000	38,820	6,381	306
6,001 – 50,000	225,123	37,438	804
50,001 – 100,000	80,852	11,780	146
100,001 – 1,000,000	352,149	32,817	635
1,000,001 or more	182,201	9,511	496
Total	**886,940**	**99,153**	**2,459**
Option 1	509,684	50,536	1,346
Option 2	356,376	43,356	826
Option 3	20,880	5,261	287
Total	**886,940**	**99,153**	**2,459**

Data Source: Geography Division.
* Government size is determined by the number of residential addresses in the MTdb at the beginning of the LUCA program.

5.1.28 Question 28: What was the final disposition of LUCA initial submission or appealed addresses – found but vacant, found but nonresidential, deleted (e.g., address not found or identified as a duplicate), enumerated?

- 3,392,016 addresses found but vacant
- 11,003 addresses found but nonresidential
- 56,666 addresses deleted
- 28,715,743 addresses enumerated

Of the total LUCA addresses which ended up as a valid 2010 Census address, how many had LUCA as their initial source? (Table 66)

- 653,209 addresses found but vacant
- 432 addresses found but nonresidential
- 9,443 addresses deleted
- 2,364,600 addresses enumerated

Table 65 shows the final disposition of LUCA submitted or appealed addresses. Counties had the largest number of the total 3,392,016 found but vacant with 1,879,949 addresses followed by places with 1,238,708 addresses. By government size, governments with 100,001 – 1,000,000 addresses had 1,459,288 found but vacant addresses while governments in the 6,001 – 50,000 address size category had 1,100,144 found but vacant addresses. Option 2 participants had the largest number of found but vacant addresses with 1,929,684.

Of the 11,003 nonresidential addresses, the largest number was in counties, 5,887, followed by places with 3,844, and states with 897. The two largest numbers of nonresidential addresses by government size were in the 100,001 – 1,000,000 address size category with 3,585 and in the 6,001 – 50,000 address size category with 3,490. Option 2 had the largest number of nonresidential addresses with 5,165.

Counties had the largest number of the total 56,666 deleted addresses with 31,389 followed by places with 19,407. By government size, the 100,001 – 1,000,000 address size category and the 6,001 – 50,000 address size category had the largest numbers of deletes with 18,059 and 16,924 respectively. Of the deleted addresses, Option 2 had the largest number with 29,254

Of the 28,715,743 enumerated addresses, 15,195,897 were in counties, 11,501,083 were in places, and 1,094,584 were in states. Governments in the 100,001 – 1,000,000 address size category had 13,206,501 of the total enumerated addresses.

Over half of the enumerated addresses were Option 2 participants with 17,698,478 addresses.

Table 65. 2010 Census LUCA Final Disposition of LUCA Initial Submission or Appealed Addresses by Government Type, Size, and Option

Government Type Size* Option	Initial Submission and Appealed Addresses			
	Found but Vacant	Nonresidential	Deleted	Enumerated
State	169,126	897	4,222	1,094,584
AIR	1,118	5	107	10,614
County	1,879,949	5,887	31,389	15,195,897
Place	1,238,708	3,844	19,407	11,501,083
MCD	103,115	370	1,541	913,565
Total	**3,392,016**	**11,003**	**56,666**	**28,715,743**
1,000 or fewer	41,637	342	2,174	240,841
1,001 – 6,000	182,718	1,145	8,415	1,312,687
6,001 – 50,000	1,100,144	3,490	16,924	8,552,104
50,001 – 100,000	410,443	1,041	3,851	3,639,964
100,001 – 1,000,000	1,459,288	3,585	18,059	13,206,501
1,000,001 or more	197,786	1,400	7,243	1,763,646
Total	**3,392,016**	**11,003**	**56,666**	**28,715,743**
Option 1	1,082,439	4,781	22,664	7,251,001
Option 2	1,929,684	5,165	29,254	17,698,478
Option 3	379,893	1,057	4,748	3,766,264
Total	**3,392,016**	**11,003**	**56,666**	**28,715,743**

Data Source: Geography Division.
* Government size is determined by the number of residential addresses in the MTdb at the beginning of the LUCA program.

Table 66 shows the number of valid 2010 Census addresses that had LUCA as their initial source. Counties had the largest number of found but vacant addresses with 379,426 addresses, followed by places with 181,901 addresses. Governments with 6,001 – 50,000 addresses submitted or appealed 267,724 found but vacant addresses while governments in the 100,001 – 1,000,000 address size category submitted or appealed 167,844 found but vacant addresses. Option 1 participants had the largest number of submitted and appealed found but vacant addresses with 327,542.

Of the 432 nonresidential addresses, the largest number was in counties, 295, followed by places with 70, and states with 56. The three largest numbers by government size are the 6,001 – 50,000 address size category with 166, 1,001 – 6,000 address size category with 89, and 100,001 – 1,000,000 address size category with 64. Option 1 and Option 2 nonresidential addresses are nearly equal with 199 and 193 respectively.

Counties had the largest number of the 9,443 deleted addresses with 6,571 followed by places with 1,824. By government size, the 6,001 – 50,000 address size category and the 1,001 – 6,000 address size category had the largest numbers of deletes with 2,921and 2,610 respectively. For deleted addresses, Option 2 had the largest number with 4,460.

Of the 2,364,600 enumerated addresses, over half, 1,216,961, were in counties while over a third, 871,976, were in places.

Governments in the 6,001 – 50,000 address size category had the largest number of addresses enumerated with 858,301, followed by governments in the 100,001 – 1,000,000 address size category with 695,843.

Over half of the enumerated addresses were Option 1 participants with 1,191,794.

Table 66. 2010 Census LUCA Valid 2010 Census Addresses that had LUCA as the Initial Source

Government Type Size* Option	Valid 2010 Addresses with LUCA as Initial Source			
	Found but Vacant	Nonresidential	Deleted	Enumerated
State	60,130	56	842	186,581
AIR	229	0	9	1,286
County	379,426	295	6,571	1,216,961
Place	181,901	70	1,824	871,976
MCD	31,523	11	197	87,796
Total	**653,209**	**432**	**9,443**	**2,364,600**
1,000 or fewer	15,512	23	475	57,424
1,001 – 6,000	61,216	89	2,610	198,359
6,001 – 50,000	267,724	166	2,921	858,301
50,001 – 100,000	75,132	35	704	294,001
100,001 – 1,000,000	167,844	64	1,843	695,843
1,000,001 or more	65,781	55	890	260,672
Total	**653,209**	**432**	**9,443**	**2,364,600**
Option 1	327,542	199	3,955	1,191,794
Option 2	260,497	193	4,460	942,481
Option 3	65,170	40	1,028	230,325
Total	**653,209**	**432**	**9,443**	**2,364,600**

Data Source: Geography Division.
* Government size is determined by the number of residential addresses in the MTdb at the beginning of the LUCA program.

Help Desk and RCC Phone Calls

5.1.29 Question 29: How many phone calls from participants were received by the Help Desk and by the RCCs and what was the nature of the calls?

The Geography Division implemented and maintained a Help Desk to provide technical assistance to participants for opening, reviewing, and saving computer-readable address files, shapefiles, and user questions of the MTPS.

The Help Desk received 8,957 phone calls with 790 calls transferred to the RCCs.

Table 67. 2010 Census LUCA Help Desk Incoming Calls

Total Calls	Total Calls Transferred to RCCs
8,957	790

Source: Geographic Partnerships Help Desk.

Of the 8,957 calls received, the Help Desk documented 1,182 calls for resolution time of which nearly 40.0 percent lasted 15 minutes or less while over 42.0 percent lasted 121 minutes or longer.

Table 68. 2010 Census LUCA Help Desk Resolution Time

Minutes	Total Calls	% of Total
15 or less	463	39.2
16 – 30	87	7.4
31 – 45	38	3.2
46 – 60	39	3.3
61 – 75	19	1.6
76 – 90	16	1.4
91 – 105	11	0.9
106 – 120	10	0.8
121 or longer	499	42.2
Total	**1,182**	**100.0**

Source: Geographic Partnerships Help Desk.
Note: The sum of categories may not equal the total due to rounding.

Table 69 provides the types of calls conducted by the Help Desk. Of the 8,957 calls, 2,529 calls involved help with procedures, followed by 2,419 calls for file conversions, and 945 calls seeking help with Software/MTPS/ARCMAP.

Table 69. 2010 Census LUCA Help Desk Call Types

Call Type	Total Calls by Type	% Of Total
Procedures	2,529	28.2
File Conversion	2,419	27.0
Software/MTPS/ARCMAP	945	10.6
Transfer to RCC	790	8.8
Packages/Letters/CDS	422	4.7
ZIP Files	350	3.9
Data	298	3.3
Encryption	288	3.2
Appeals Office	194	2.2
BAS	152	1.7
RCC	115	1.3
Other	144	1.6
User Guide	64	0.7
Password	38	0.4
Paper Maps	35	0.4
Request	34	0.4
Security Issues	34	0.4
File Format	31	0.3
Transfer to TLGPB	25	0.3
Shapefile Projection	17	0.2
CBT	15	0.2
ESRI	13	0.1
Adobe Reader	5	0.1
Total	**8,957**	**100.0**

Source: Geographic Partnerships Help Desk.
Note: The sum of categories may not equal the total due to rounding.

Lessons Learned

5.1.30 Question 30: Based on Lessons Learned discussions, what worked well and what needs improvement?

In order to identify what worked well for the 2010 Census LUCA program and what needs improvement for future LUCA programs, the Decennial Management Division (DMD) organized multiple lessons learned sessions with stakeholders from Geography Division, Field Division, and the Technical Help Desk. As a result, the DMD compiled a 25-page document of lessons learned. Separated into 19 categories, this document identifies issues and situations as well as potential resolutions and recommendations (U.S. Census Bureau, 2010c).

A few of the issues and resolutions identified include:

- Pipe delimited format – this format proved difficult for a number of the participants. Resolutions are to allow submissions in multiple formats, choose a more common data style, and provide clearer directions on how to use pipe delimited data.
- Complicated options – simplify the program with less options or by contrast keep the program and options consistent so that participants know what to expect.

Schedule

5.1.31 Question 31: How did baseline start and finish dates compare with actual start and finish dates in the 2010 Master Activity Schedule (MAS)?

a. How many activities started on time or early?
- 127

b. How many activities started one to five days late?
- 4

c. How many activities started more than five days late?
- 5

A review of the LUCA schedule shows that of 136 activities listed, 127 activities started on time or early while nine activities started later than the baseline start dates. Four of the activities started one to five days late and five started more than five days late. In addition, 121 activities finished on time or early while 15 finished late, three finished one to five day late, and 13 finished more than five days late.

Refer to Attachment D for the detailed 2010 Master Activity Schedule (MAS) LUCA activities.

6. RELATED EVALUATIONS, EXPERIMENTS, AND/OR ASSESSMENTS

- The Survey Results of Non-Participating Governments Eligible for the 2010 Census Local Update of Census Addresses (LUCA) Program
- The 2010 Census New Construction (NC) Program Assessment

7. LESSONS LEARNED, CONCLUSIONS, AND RECOMMENDATIONS

Lessons Learned

See Section 5.1.30, Question 30.

Conclusions

Government Size

According to the results of the data provided in this assessment, government size was the most significant factor in determining participation and the quality of the data received. In addition, the results indicate that the size of the government was the common characteristic between who participated and how they participated (option and media selection).

According to Table 1, the percentage of registered participants increased with the size of the government as shown in Table 70 below from 17.6 percent of governments with 1,000 addresses or fewer to 83.8 percent of governments with 100,001 – 1,000,000 addresses.

Table 70. Percent of Registered Participants by Governments Size

Government Size	% Registered of Eligible
1,000 or fewer	17.6
1,001 – 6,000	40.5
6,001 – 50,000	59.4
50,001 – 100,000	81.9
100,001 – 1,000,000	83.8
1,000,001 or more	64.3

Data Source: Table 1, *2010 Census Local Update of Census Addresses (LUCA) Assessment.*
Note: The sum of categories may not equal the total due to rounding.

The size of government was also a factor in determining option selection and media type. As shown in Table 6, the smaller the government, the more likely they were to choose Option 1.

Table 7 shows that 3,601 governments selected the paper address list/paper map media combination. Since Option 1 offered this media selection to governments with less than 6,000 addresses, 3,584 of the 11,500 registered governments selected Option 1, paper address list/paper map.

In order to determine the quality of new addresses[11] received from LUCA participants (addresses that did not match any existing addresses), the columns "Found but Vacant" and "Enumerated" in Table 66 are added, then divided into the column "New Adds to the MAF" in Table 35. The result, as displayed in Table 71, shows that smaller governments had a much higher enumeration success rate than did larger governments. Governments with 1,000 or fewer addresses had a new address enumeration success rate over 64.0 percent. In addition, the larger the government, the less likely they were to submit new addresses that could be located during enumeration.

Table 71 also shows that MCDs had the highest enumeration success rate at 52.2 percent of the government types. There is no large distinction between the other government types.

Table 71. Percent Enumeration Success by Government Size and Type

Government Size	% Enumeration Success
1,000 or fewer	64.1
1,001 – 6,000	48.1
6,001 – 50,000	37.4
50,001 – 100,000	34.1
100,001 – 1,000,000	28.1
1,000,001 or more	21.8
Government type	
State	31.1
AIR	26.3
County	33.6
Place	29.8
MCD	52.2

Data Source: Table 35 and Table 66, *2010 Census Local Update of Census Addresses (LUCA) Assessment.*
Note: The sum of categories may not equal the total due to rounding.

Participation Option

As shown in Table 35, participation option was a factor in determining the number of addresses that were submitted as new adds and addresses that matched to existing addresses in the MAF. Table 72 shows the percentages of the total added addresses that were identified as new adds and those that merged with existing addresses in the MAF. Of the 38,391,630 addresses submitted as

[11] A good LUCA address can be classified as an address that was either able to be enumerated or found as vacant during enumeration.

adds, 24.3 percent were new adds to the MAF while 75.7 percent merged with existing addresses.

Since Option 2 and Option 3 participants were required to submit their entire local address lists of city-style addresses, as expected, 82.9 percent of Option 2 and 79.9 percent of Option 3 addresses matched to existing addresses in the MAF. Of note however, are the Option 1 addresses with over 54.0 percent of the added addresses submitted that matched to existing addresses in the MAF.

Although Option 1 participants were requested to submit address corrections and new city-style addresses only, this may indicate that further research is necessary to determine the factors involved in such a high percentage of address submissions that merge to existing addresses in the MAF.

Table 72. Percentage of New Adds to the MAF and Merged with Existing Addresses

Option	Added Addresses Submitted	% New Adds to the MAF	% Merged with Existing Addresses
Option 1	9,027,207	45.8	54.2
Option 2	24,145,452	17.1	82.9
Option 3	5,218,971	20.1	79.9
Total	**38,391,630**	**24.3**	**75.7**

Data Source: Table 35, *2010 Census Local Update of Census Addresses (LUCA) Assessment.*
Note: The sum of categories may not equal the total due to rounding.

Appeals

As stated in section 2.5.9 of this assessment, Option 1 and Option 2 participants were eligible to file address appeals with the 2010 Census LUCA Appeals Staff, an independent, temporary Federal entity set up by the OMB to administer the appeals process. The appeals process allowed participants to challenge the Address Canvassing findings and add addresses previously deleted by the Census Bureau to be included for enumeration.

According to Table 59, of the 1,796,167 addresses submitted to the Appeals Staff by participants, 1,634,497 or 91.0 percent were accepted and included in the enumeration universe. While most addresses submitted to the Appeals Staff were accepted, there were some variations in acceptance rate by government type, government size, and participation option. States had the highest rate of accepted appeals addresses at nearly 100.0 percent (14 of 230,516 state appealed addresses were rejected). Places had the lowest rate of accepted appeals at 85.7 percent (106,163 of 741,931 place appealed addresses were rejected).

While a majority of appealed addresses were accepted by the LUCA Appeals Staff and went to enumeration, only 56.0 percent of those addresses were successfully enumerated as shown in Table 73. The success of the enumeration of appealed addresses varied greatly by government type and size but not by participation option.

MCDs had the highest enumeration rate of accepted appealed addresses at 73.9 percent while AIRs had the lowest success rate at 3.7 percent. Since there were only five tribal governments that filed an appeal it is unlikely that any conclusion can be made from their enumeration rate.

Place and county success rates were both nearly 60.0 percent at 59.7 percent for places and 58.0 percent for counties. States had a lower success enumeration rate at 37.1 percent. Government size was also a factor in the success of enumerating appealed addresses. Governments with 1,000 addresses or fewer addresses had a higher rate of enumerated appeals addresses than larger governments. The smallest governments had an enumeration success rate of 68.0 percent, nearly 28.0 percent points higher than governments with 1,000,001 or more addresses.

Option 1 and Option 2 were nearly equal with Option 1 at 56.5 percent and Option at 55.2 percent of accepted appeals enumerated.

Table 73. Percent of Appeals Enumeration Success by Government Type, Size, and Option

Government Type Size* Option	Total Eligible for Appeals	Total of Entities with Appeals	% of Accepted Appeals Enumerated
State	21	11	37.1
AIR	51	5	3.7
County	1,045	405	58.0
Place	4,849	1,625	59.7
MCD	1,621	372	73.9
Total	**7,587**	**2,418**	**56.0**
1,000 or fewer	2,756	616	68.0
1001 – 6000	2,507	762	63.6
6001 – 50,000	1,875	776	60.0
50,001 – 100,000	211	118	64.4
100,001 – 1,000,000	216	132	56.1
1,000,001 or more	22	14	40.1
Total	**7,587**	**2,418**	**56.0**
Option 1	6,630	2,060	56.5
Option 2	957	358	55.2
Total	**7,587**	**2,418**	**56.0**

Data Source: Table 59, *2010 Census Local Update of Census Addresses (LUCA) Assessment.*
Note: The sum of categories may not equal the total due to rounding.

Geocoding Addresses

An unexpected benefit of the LUCA program for the Census Bureau was the ability of LUCA participants to geocode almost 5.0 million (Table 39) ungeocoded MAF addresses. In addition, the enumeration rate for addresses that geocoded to previously ungeocoded MAF addresses was 82.4 percent with a 90.2 percent rate of addresses found (Table 39) vacant addresses and enumerated addresses.

According to Table 74, there was no significant difference between government type, size, or option in the ability of the Census Bureau to enumerate existing ungeocoded addresses in the

MAF that were geocoded by LUCA participants. Tribal governments and MCDs had the highest enumeration rate, both over 86.0 percent while States had the lowest at a little over 78.0 percent. Government size had little impact on enumeration success since all were over 80.0 percent with the highest being governments of 1,000 or fewer addresses at 83.9 percent.

Participation option had little impact on enumerating geocoded addresses with a range of 2.0 percent points separating the highest enumeration rate and the lowest enumeration rate.

Table 74. MAF Ungeocoded Addresses Geocoded by Participants by Government Type, Size, and Option

Government Type Size Option	Total MAF Ungeocoded Addresses Geocoded by Participants	Total Enumerated	% Enumerated
State	251,483	196,908	78.3
AIR	854	737	86.3
County	2,309,170	1,864,579	80.8
Place	1,740,144	1,471,908	84.6
MCD	198,275	171,879	86.7
Total	**4,499,926**	**3,706,011**	**82.4**
1,000 or fewer	50,592	42,429	83.9
1001 – 6000	393,768	329,695	83.7
6001 – 50,000	1,618,604	1,305,861	80.7
50,001 – 100,000	546,518	454,466	83.2
100,001 – 1,000,000	1,567,061	1,306,085	83.4
1,000,001 or more	323,383	267,475	82.7
Total	**4,499,926**	**3,706,011**	**82.4**
Option 1	2,546,452	2,117,824	83.2
Option 2	1,625,028	1,319,941	81.2
Option 3	328,446	268,246	81.7
Total	**4,499,926**	**3,706,011**	**82.4**

Data Source: Table 39, *2010 Census Local Update of Census Addresses (LUCA) Assessment*; DSF Geocodes Table.
Note: The sum of categories may not equal the total due to rounding.

Recommendations

- **Encourage governments at the lowest level to either participate or work with larger governments to consolidate their submission in order to increase the quality of data received for the LUCA program.**

  Addresses are generally assigned at the lowest level of government and statistics show that the lower level governments, especially those with smaller populations provide better LUCA updates than higher-level governments. This poses a problem in that working with the lowest level government increases the amount of governments needed to cover the entire nation. Working at the state or county level would lower the number of governments needed to cover the nation but may not provide the most accurate data. Another solution would be to encourage the sharing of address data from those that assign addresses at the lowest level of governments to higher-level governments such as counties or states in order to maximize coverage.

- **Communicate and design partnership programs with government size in mind.**

  Governments of similar sizes generally have more in common with each other than governments of the same type but of different sizes. For example, a small place would have more in common with a small county or small MCD than a large place. Likewise, a large place would have more in common with a state government than they would a small place.

  The similarities between small governments can be seen first with the participation rates. Smaller governments were less likely to participate (Table 1) for reasons such as insufficient staff, no time/too busy, and lack of funds (Table 5). Those smaller governments that did participate took advantage of Option 1's offering of paper address lists and paper maps (Table 7). Smaller governments have a higher return rate (Table 17) and a higher quality of address submissions (Table 71).

  When developing partnership programs (coordinating communication with partners, designing how to implement the programs), it is important to recognize the differences in size in governments more so than the types of governments. Tribal governments and governments from Puerto Rico would be the exception since both have unique relationships with Federal Partnership Programs that must be considered when developing these programs.

- **Update the MAF through partnership programs in order to increase the Census Bureau's ability to geocode addresses from the USPS Delivery Sequence File.**

  Using partnership files to geocode existing ungeocoded addresses results in a high rate of enumeration. This not only adds value to the address in the MAF with the geocode, but provides a means to verify that the address exists. In addition, using partnership files to geocode existing ungeocoded addresses is another method for highlighting blocks where the Census Bureau may be missing roads and or address ranges.

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ATTACHMENTS

Attachment A: Type of Enumeration Area (TEA)

In order to determine how to enumerate housing units within a collection block for the 2010 Census, Field Division's Regional Offices assigned each collection block within the United States, Puerto Rico, and the island areas a TEA code.

Of the eight TEA codes used for the 2010 Census, there are five codes relevant to the 2010 Census LUCA Program including:

TEA 1 – Mailout/Mailback (MO/MB): Containing the largest majority of housing units, these blocks include city-style mailing addresses to which the U.S. Postal Service (USPS) delivers the census questionnaires. Residents are asked to complete and mail back the questionnaire.
TEA 2 – Update Leave (U/L): Typically, Update Leave (U/L) enumeration is conducted in blocks that are predominantly noncity-style addresses (i.e., rural route, P.O. Box numbers) to which the USPS does not mail. Enumerators deliver an addressed census questionnaire to each housing unit, update the census address (and map features, if necessary), and ask the resident to complete and mail back the questionnaire.
TEA 5 – Update Enumerate (U/E): These areas are considered to have special enumeration needs including rural areas that historically have lower rates of questionnaire returns and seasonal housing with a high number of vacant housing units. Enumerators visited each housing unit in these areas to update the census address (and map features, if necessary) and directly enumerate the household. Addresses in U/E areas were not eligible for NonResponse FollowUp.
TEA 6 – Military: The Military TEA includes areas that are part of military installations for planning and evaluation purposes only. These areas are primarily Mailout/Mailback.
TEA 7 – Urban Update/Leave (UU/L): TEA delineates urban areas with city-style addresses where the Census Bureau may be unsure of accurate mail delivery to individual housing units such as multi-unit buildings with a central mail drop-off point and communities where residents receive their mail at post office boxes. Enumerators deliver an addressed census questionnaire to each housing unit, update the census address (and map features, if necessary), and ask the resident to complete and mail back the questionnaire.

Attachment B: Detailed Tables

Table numbers in Attachment B correspond to the abbreviated table numbers within the document.

Table 1. 2010 Census LUCA Registered Participants by Eligible Government Type and Size

Government Type Size*	Eligible Governments		Registered Participants			
	Total	% of Total	Total	% Registered of Total Eligible	% of Total Registered	% Registered of Eligible Within Gov't Type and Size
State	**51**	**0.1**	**28**	**0.1**	**0.2**	**54.9**
1,000 or fewer	0	0.0	0	0.0	0.0	0.0
1,001 – 6,000	0	0.0	0	0.0	0.0	0.0
6,001 – 50,000	1	0.0	1	0.0	0.0	100.0
50,001 – 100,000	0	0.0	0	0.0	0.0	0.0
100,001 – 1,000,000	16	0.0	8	0.0	0.1	50.0
1,000,001 or more	34	0.1	19	0.0	0.2	55.9
AIR	**331**	**0.8**	**114**	**0.3**	**1.0**	**34.4**
1,000 or fewer	269	0.7	73	0.2	0.6	27.1
1,001 – 6,000	39	0.1	30	0.1	0.3	76.9
6,001 – 50,000	21	0.1	10	0.0	0.1	47.6
50,001 – 100,000	2	0.0	1	0.0	0.0	50.0
100,001 – 1,000,000	0	0.0	0	0.0	0.0	0.0
1,000,001 or more	0	0.0	0	0.0	0.0	0.0
County	**3,115**	**7.9**	**1,596**	**4.1**	**13.9**	**51.2**
1,000 or fewer	66	0.2	18	0.0	0.2	27.3
1,001 – 6,000	807	2.1	267	0.7	2.3	33.1
6,001 – 50,000	1,793	4.6	932	2.4	8.1	52.0
50,001 – 100,000	215	0.5	181	0.5	1.6	84.2
100,001 – 1,000,000	229	0.6	193	0.5	1.7	84.3
1,000,001 or more	5	0.0	5	0.0	0.0	100.0
Place	**19,392**	**49.3**	**7,009**	**17.8**	**60.9**	**36.1**
1,000 or fewer	12,355	31.4	3,013	7.7	26.2	24.4
1,001 – 6,000	4,844	12.3	2,368	6.0	20.6	48.9
6,001 – 50,000	2,008	5.1	1,455	3.7	12.7	72.5
50,001 – 100,000	110	0.3	102	0.3	0.9	92.7
100,001 – 1,000,000	72	0.2	68	0.2	0.6	94.4
1,000,001 or more	3	0.0	3	0.0	0.0	100.0
MCD	**16,440**	**41.8**	**2,753**	**7.0**	**23.9**	**16.7**
1,000 or fewer	11,687	29.7	1,176	3.0	10.2	10.1
1,001 – 6,000	3,927	10.0	1,227	3.1	10.7	31.2
6,001 – 50,000	801	2.0	349	0.9	3.0	43.6
50,001 – 100,000	21	0.1	1	0.0	0.0	4.8
100,001 – 1,000,000	4	0.0	0	0.0	0.0	0.0
1,000,001 or more	0	0.0	0	0.0	0.0	0.0
Total	**39,329**	**100.0**	**11,500**	**29.2**	**100.0**	
1,000 or fewer	24,377	62.0	4,280	10.9	37.2	17.6
1,001 – 6,000	9,617	24.5	3,892	9.9	33.8	40.5
6,001 – 50,000	4,624	11.8	2,747	7.0	23.9	59.4
50,001 – 100,000	348	0.9	285	0.7	2.5	81.9
100,001 – 1,000,000	321	0.8	269	0.7	2.3	83.8
1,000,001 or more	42	0.1	27	0.1	0.2	64.3
Total	**39,329**	**100.0**	**11,500**	**29.2**	**100.0**	

Data Source: Geography Division.
* Government size is determined by the number of residential addresses in the MTdb at the beginning of the LUCA program.
Note: The sum of categories may not equal the total due to rounding.

Table 2. 2010 Census LUCA Invited Governments that Did Not Complete all Paperwork by Government Type and Size

Government Type	Total Addresses	Signed Confidentiality Agreement Form	Signed Self-Assessment Checklist	Option
MCD	2,007	N	Y	1
Place	1,614	N	N	2
MCD	1,502	N	Y	1
MCD	494	N	N	1
MCD	406	Y	N	1
MCD	37	Y	N	1

Data Source: Geography Division.
*Government size is determined by the number of residential addresses in the MTdb at the beginning of the LUCA program.

Table 3. 2010 Census LUCA Invitation Responses by Government Type and Size

Government Type Size*	Officially Declined			Did Not Respond			Total and % Did Not Register		
	Total	% of Total	% Within Gov't Type, Size	Total	% of Total	% Within Gov't Type, Size	Total	% of Total	% Within Gov't Type, Size
State	**3**	**0.0**	**5.9**	**20**	**0.1**	**39.2**	**23**	**0.1**	**45.1**
1,000 or fewer	0	0.0	0.0	0	0.0	0.0	0	0.0	0.0
1,001 – 6,000	0	0.0	0.0	0	0.0	0.0	0	0.0	0.0
6,001 – 50,000	0	0.0	0.0	0	0.0	0.0	0	0.0	0.0
50,001 – 100,000	0	0.0	0.0	0	0.0	0.0	0	0.0	0.0
100,001 – 1,000,000	1	0.0	6.3	7	0.0	43.8	8	0.0	50.0
1,000,001 or more	2	0.0	5.9	13	0.0	38.2	15	0.0	44.1
AIR	**5**	**0.0**	1.5	**212**	**0.5**	**64.0**	**217**	**0.6**	**65.6**
1,000 or fewer	4	0.0	1.5	192	0.5	71.4	196	0.5	72.9
1,001 – 6,000	1	0.0	2.6	8	0.0	20.5	9	0.0	23.1
6,001 – 50,000	0	0.0	0.0	11	0.0	52.4	11	0.0	52.4
50,001 – 100,000	0	0.0	0.0	1	0.0	50.0	1	0.0	50.0
100,001 – 1,000,000	0	0.0	0.0	0	0.0	0.0	0	0.0	0.0
1,000,001 or more	0	0.0	0.0	0	0.0	0.0	0	0.0	0.0
County	**248**	**0.6**	**8.0**	**1,271**	**3.2**	**40.8**	**1,519**	**3.9**	**48.8**
1,000 or fewer	9	0.0	13.6	39	0.1	59.1	48	0.1	72.7
1,001 – 6,000	101	0.3	12.5	439	1.1	54.4	540	1.4	66.9
6,001 – 50,000	130	0.3	7.3	731	1.9	40.8	861	2.2	48.0
50,001 – 100,000	4	0.0	1.9	30	0.1	14.0	34	0.1	15.8
100,001 – 1,000,000	4	0.0	1.7	32	0.1	14.0	36	0.1	15.7
1,000,001 or more	0	0.0	0.0	0	0.0	0.0	0	0.0	0.0
Place	**1,635**	**4.2**	**8.4**	**10,748**	**27.3**	**55.4**	**12,383**	**31.5**	**63.9**
1,000 or fewer	1,238	3.1	10.0	8,104	20.6	65.6	9,342	23.8	75.6
1,001 – 6,000	317	0.8	6.5	2,159	5.5	44.6	2,476	6.3	51.1
6,001 – 50,000	79	0.2	3.9	474	1.2	23.6	553	1.4	27.5
50,001 – 100,000	1	0.0	0.9	7	0.0	6.4	8	0.0	7.3
100,001 – 1,000,000	0	0.0	0.0	4	0.0	5.6	4	0.0	5.6
1,000,001 or more	0	0.0	0.0	0	0.0	0.0	0	0.0	0.0
MCD	**2,348**	**6.0**	**14.3**	**11,339**	**28.8**	**69.0**	**13,687**	**34.8**	**83.3**
1,000 or fewer	1,832	4.7	15.7	8,679	22.1	74.3	10,511	26.7	89.9
1,001 – 6,000	441	1.1	11.2	2,259	5.7	57.5	2,700	6.9	68.8
6,001 – 50,000	71	0.2	8.9	381	1.0	47.6	452	1.1	56.4
50,001 – 100,000	4	0.0	19.0	16	0.0	76.2	20	0.1	95.2
100,001 – 1,000,000	0	0.0	0.0	4	0.0	100.0	4	0.0	100.0
1,000,001 or more	0	0.0	0.0	0	0.0	0.0	0	0.0	0.0
Total	**4,239**	**10.8**		**23,590**	**60.0**		**27,829**	**70.8**	
1,000 or fewer	3,083	7.8	12.6	17,014	43.3	69.8	20,097	51.1	82.4
1,001 – 6,000	860	2.2	8.9	4,865	12.4	50.6	5,725	14.6	59.5
6,001 – 50,000	280	0.7	6.1	1,597	4.1	34.5	1,877	4.8	40.6
50,001 – 100,000	9	0.0	2.6	54	0.1	15.5	63	0.2	18.1
100,001 – 1,000,000	5	0.0	1.6	47	0.1	14.6	52	0.1	16.2
1,000,001 or more	2	0.0	4.8	13	0.0	31.0	15	0.0	35.7
Total	**4,239**	**10.8**		**23,590**	**60.0**		**27,829**	**70.8**	

Data Source: Geography Division.
* Government size is determined by the number of residential addresses in the MTdb at the beginning of the LUCA program.
Note: The sum of categories may not equal the total due to rounding.

Table 4. 2010 Census LUCA Invitation Official Responses With and Without Reasons by Government Type and Size

Government Type Size*	Officially Responded		Provided Reason(s)			No Reason Provided		
	Total	% of Total	Total	% of Total Responded	% Within Gov't Type, Size	Total	% of Total Responded	% Within Gov't Type, Size
State	**3**	**0.1**	**3**	**0.1**	**100.0**	**0**	**0.0**	**0.0**
1,000 or fewer	0	0.0	0	0.0	0.0	0	0.0	0.0
1,001 – 6,000	0	0.0	0	0.0	0.0	0	0.0	0.0
6,001 – 50,000	0	0.0	0	0.0	0.0	0	0.0	0.0
50,001 – 100,000	0	0.0	0	0.0	0.0	0	0.0	0.0
100,001 – 1,000,000	1	0.0	1	0.0	100.0	0	0.0	0.0
1,000,001 or more	2	0.0	2	0.0	100.0	0	0.0	0.0
AIR	**5**	**0.1**	**5**	**0.1**	**100.0**	**0**	**0.0**	**0.0**
1,000 or fewer	4	0.1	4	0.1	100.0	0	0.0	0.0
1,001 – 6,000	1	0.0	1	0.0	100.0	0	0.0	0.0
6,001 – 50,000	0	0.0	0	0.0	0.0	0	0.0	0.0
50,001 – 100,000	0	0.0	0	0.0	0.0	0	0.0	0.0
100,001 – 1,000,000	0	0.0	0	0.0	0.0	0	0.0	0.0
1,000,001 or more	0	0.0	0	0.0	0.0	0	0.0	0.0
County	**248**	**5.9**	**238**	**5.6**	**96.0**	**10**	**0.2**	**4.0**
1,000 or fewer	9	0.2	9	0.2	100.0	0	0.0	0.0
1,001 – 6,000	101	2.4	99	2.3	98.0	2	0.0	2.0
6,001 – 50,000	130	3.1	122	2.9	93.8	8	0.2	6.2
50,001 – 100,000	4	0.1	4	0.1	100.0	0	0.0	0.0
100,001 – 1,000,000	4	0.1	4	0.1	100.0	0	0.0	0.0
1,000,001 or more	0	0.0	0	0.0	0.0	0	0.0	0.0
Place	**1,635**	**38.6**	**1,599**	**37.7**	**97.8**	**36**	**0.8**	**2.2**
1,000 or fewer	1,238	29.2	1,210	28.5	97.7	28	0.7	2.3
1,001 – 6,000	317	7.5	313	7.4	98.7	4	0.1	1.3
6,001 – 50,000	79	1.9	75	1.8	94.9	4	0.1	5.1
50,001 – 100,000	1	0.0	1	0.0	100.0	0	0.0	0.0
100,001 – 1,000,000	0	0.0	0	0.0	0.0	0	0.0	0.0
1,000,001 or more	0	0.0	0	0.0	0.0	0	0.0	0.0
MCD	**2,348**	**55.4**	**2,280**	**53.8**	**97.1**	**68**	**1.6**	**2.9**
1,000 or fewer	1,832	43.2	1,775	41.9	96.9	57	1.3	3.1
1,001 – 6,000	441	10.4	433	10.2	98.2	8	0.2	1.8
6,001 – 50,000	71	1.7	68	1.6	95.8	3	0.1	4.2
50,001 – 100,000	4	0.1	4	0.1	100.0	0	0.0	0.0
100,001 – 1,000,000	0	0.0	0	0.0	0.0	0	0.0	0.0
1,000,001 or more	0	0.0	0	0.0	0.0	0	0.0	0.0
Total	**4,239**	**100.0**	**4,125**	**97.3**		**114**	**2.7**	
1,000 or fewer	3,083	72.7	2,998	70.7	97.2	85	2.0	2.8
1,001 – 6,000	860	20.3	846	20.0	98.4	14	0.3	1.6
6,001 – 50,000	280	6.6	265	6.3	94.6	15	0.4	5.4
50,001 – 100,000	9	0.2	9	0.2	100.0	0	0.0	0.0
100,001 – 1,000,000	5	0.1	5	0.1	100.0	0	0.0	0.0
1,000,001 or more	2	0.0	2	0.0	100.0	0	0.0	0.0
Total	**4,239**	**100.0**	**4,125**	**97.3**		**114**	**2.7**	

Data Source: Geography Division.
* Government size is determined by the number of residential addresses in the MTdb at the beginning of the LUCA program.
Note: The sum of categories may not equal the total due to rounding.

Table 5. 2010 Census LUCA Reasons for Non-participation by Invited Governments by Government Type and Size

Government Type Size*	Total Reasons	% of Total Reasons	Reasons: a. Insufficient Staff	a. % of Total	b. Lack of Funds	b. % of Total	c. No Time/ Too Busy	c. % of Total	d. No Local Address List Available	d. % of Total
State	**4**	**0.0**	**0**	**0.0**	**0**	**0.0**	**0**	**0.0**	**2**	**0.0**
1,000 or fewer	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0
1,001 – 6,000	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0
6,001 – 50,000	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0
50,001 – 100,000	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0
100,001 – 1,000,000	1	0.0	0	0.0	0	0.0	0	0.0	0	0.0
1,000,001 or more	3	0.0	0	0.0	0	0.0	0	0.0	2	0.0
AIR	**9**	**0.1**	**2**	**0.0**	**1**	**0.0**	**2**	**0.0**	**0**	**0.0**
1,000 or fewer	7	0.1	1	0.0	0	0.0	2	0.0	0	0.0
1,001 – 6,000	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0
6,001 – 50,000	2	0.0	1	0.0	1	0.0	0	0.0	0	0.0
50,001 – 100,000	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0
100,001 – 1,000,000	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0
1,000,001 or more	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0
County	**574**	**6.1**	**200**	**2.1**	**121**	**1.3**	**139**	**1.5**	**49**	**0.5**
1,000 or fewer	20	0.2	7	0.1	3	0.0	4	0.0	3	0.0
1,001 – 6,000	243	2.6	86	0.9	52	0.6	63	0.7	15	0.2
6,001 – 50,000	296	3.2	101	1.1	63	0.7	69	0.7	31	0.3
50,001 – 100,000	9	0.1	3	0.0	2	0.0	2	0.0	0	0.0
100,001 – 1,000,000	6	0.1	3	0.0	1	0.0	1	0.0	0	0.0
1,000,001 or more	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0
Place	**3,149**	**33.7**	**1,094**	**11.7**	**601**	**6.4**	**545**	**5.8**	**165**	**1.8**
1,000 or fewer	2,443	26.1	872	9.3	494	5.3	428	4.6	131	1.4
1,001 – 6,000	569	6.1	181	1.9	94	1.0	93	1.0	30	0.3
6,001 – 50,000	136	1.5	41	0.4	13	0.1	24	0.3	4	0.0
50,001 – 100,000	1	0.0	0	0.0	0	0.0	0	0.0	0	0.0
100,001 – 1,000,000	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0
1,000,001 or more	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0
MCD	**5,609**	**60.0**	**1,828**	**19.6**	**1,152**	**12.3**	**1,209**	**12.9**	**550**	**5.9**
1,000 or fewer	4,400	47.1	1,404	15.0	932	10.0	942	10.1	446	4.8
1,001 – 6,000	1,052	11.3	368	3.9	194	2.1	238	2.5	85	0.9
6,001 – 50,000	151	1.6	54	0.6	25	0.3	28	0.3	18	0.2
50,001 – 100,000	6	0.1	2	0.0	1	0.0	1	0.0	1	0.0
100,001 – 1,000,000	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0
1,000,001 or more	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0
Total	**9,345**	**100.0**	**3,124**	**33.4**	**1,875**	**20.1**	**1,895**	**20.3**	**766**	**8.2**
1,000 or fewer	6,870	73.5	2,284	24.4	1,429	15.3	1,376	14.7	580	6.2
1001 – 6000	1,864	19.9	635	6.8	340	3.6	394	4.2	130	1.4
6001 – 50,000	585	6.3	197	2.1	102	1.1	121	1.3	53	0.6
50,001 – 100,000	16	0.2	5	0.1	3	0.0	3	0.0	1	0.0
100,001 – 1,000,000	7	0.1	3	0.0	1	0.0	1	0.0	0	0.0
1,000,001 or more	3	0.0	0	0.0	0	0.0	0	0.0	2	0.0
Total	**9,345**	**100.0**	**3,124**	**33.4**	**1,875**	**20.1**	**1,895**	**20.3**	**766**	**8.2**

Data Source: Geography Division.

* Government size is determined by the number of residential addresses in the MTdb at the beginning of the LUCA program.

Note: The sum of categories may not equal the total due to rounding.

Continued on next page

Table 5 continued. 2010 Census LUCA Reasons for Non-participation by Invited Governments by Government Type and Size

	Reasons							
Government Type Size*	e. Concerns About the Security and Confidentiality of the Census Bureau's Address List	e. % of Total	f. Restrictions on the Use of the Census Bureau's Address List for Other Purposes	f. % of Total	g. Other Reason	g. % of Total	No Reason	% of Total No Reason
State	**0**	**0.0**	**0**	**0.0**	**2**	**0.0**	**0**	**0.0**
1,000 or fewer	0	0.0	0	0.0	0	0.0	0	0.0
1,001 – 6,000	0	0.0	0	0.0	0	0.0	0	0.0
6,001 – 50,000	0	0.0	0	0.0	0	0.0	0	0.0
50,001 – 100,000	0	0.0	0	0.0	0	0.0	0	0.0
100,001 – 1,000,000	0	0.0	0	0.0	1	0.0	0	0.0
1,000,001 or more	0	0.0	0	0.0	1	0.0	0	0.0
AIR	**2**	**0.0**	**0**	**0.0**	**2**	**0.0**	**0**	**0.0**
1,000 or fewer	2	0.0	0	0.0	2	0.0	0	0.0
1,001 – 6,000	0	0.0	0	0.0	0	0.0	0	0.0
6,001 – 50,000	0	0.0	0	0.0	0	0.0	0	0.0
50,001 – 100,000	0	0.0	0	0.0	0	0.0	0	0.0
100,001 – 1,000,000	0	0.0	0	0.0	0	0.0	0	0.0
1,000,001 or more	0	0.0	0	0.0	0	0.0	0	0.0
County	**26**	**0.3**	**14**	**0.1**	**25**	**0.3**	**10**	**0.1**
1,000 or fewer	1	0.0	1	0.0	1	0.0	0	0.0
1,001 – 6,000	14	0.1	5	0.1	8	0.1	2	0.0
6,001 – 50,000	11	0.1	7	0.1	14	0.1	8	0.1
50,001 – 100,000	0	0.0	1	0.0	1	0.0	0	0.0
100,001 – 1,000,000	0	0.0	0	0.0	1	0.0	0	0.0
1,000,001 or more	0	0.0	0	0.0	0	0.0	0	0.0
Place	**141**	**1.5**	**29**	**0.3**	**574**	**6.1**	**36**	**0.4**
1,000 or fewer	107	1.1	19	0.2	392	4.2	28	0.3
1,001 – 6,000	25	0.3	6	0.1	140	1.5	4	0.0
6,001 – 50,000	9	0.1	4	0.0	41	0.4	4	0.0
50,001 – 100,000	0	0.0	0	0.0	1	0.0	0	0.0
100,001 – 1,000,000	0	0.0	0	0.0	0	0.0	0	0.0
1,000,001 or more	0	0.0	0	0.0	0	0.0	0	0.0
MCD	**272**	**2.9**	**73**	**0.8**	**525**	**5.6**	**68**	**0.7**
1,000 or fewer	221	2.4	61	0.7	394	4.2	57	0.6
1,001 – 6,000	45	0.5	11	0.1	111	1.2	8	0.1
6,001 – 50,000	6	0.1	1	0.0	19	0.2	3	0.0
50,001 – 100,000	0	0.0	0	0.0	1	0.0	0	0.0
100,001 – 1,000,000	0	0.0	0	0.0	0	0.0	0	0.0
1,000,001 or more	0	0.0	0	0.0	0	0.0	0	0.0
State	**441**	**4.7**	**116**	**1.2**	**1,128**	**12.1**	**114**	**1.2**
1,000 or fewer	331	3.5	81	0.9	789	8.4	85	0.9
1,001 – 6,000	84	0.9	22	0.2	259	2.8	14	0.1
6,001 – 50,000	26	0.3	12	0.1	74	0.8	15	0.2
50,001 – 100,000	0	0.0	1	0.0	3	0.0	0	0.0
100,001 – 1,000,000	0	0.0	0	0.0	2	0.0	0	0.0
1,000,001 or more	0	0.0	0	0.0	1	0.0	0	0.0
Total	**441**	**4.7**	**116**	**1.2**	**1,128**	**12.1**	**114**	**1.2**

Data Source: Geography Division.
* Government size is determined by the number of residential addresses in the MTdb at the beginning of the LUCA program.
Note: The sum of categories may not equal the total due to rounding.

Table 6. 2010 Census LUCA Registered Participants Option Selections by Government Type and Size

Government type Size*	Total Registered		Option Selection								
			Option 1			Option 2			Option 3		
	Total	% of Total	Total Option 1	% of Total	% Within Gov't Type, Size	Total Option 2	% of Total	% Within Gov't Type, Size	Total Option 3	% of Total	% Within Gov't Type, Size
State	**28**	**0.2**	**20**	**0.2**	**71.4**	**6**	**0.1**	**21.4**	**2**	**0.0**	**7.1**
1,000 or fewer	0	0.0	0	0.0	0.0	0	0.0	0.0	0	0.0	0.0
1,001 – 6,000	0	0.0	0	0.0	0.0	0	0.0	0.0	0	0.0	0.0
6,001 – 50,000	1	0.0	1	0.0	100.0	0	0.0	0.0	0	0.0	0.0
50,001 – 100,000	0	0.0	0	0.0	0.0	0	0.0	0.0	0	0.0	0.0
100,001 – 1,000,000	8	0.1	7	0.1	87.5	0	0.0	0.0	1	0.0	12.5
1,000,001 or more	19	0.2	12	0.1	63.2	6	0.1	31.6	1	0.0	5.3
AIR	**114**	**1.0**	**96**	**0.8**	**84.2**	**11**	**0.1**	**9.6**	**7**	**0.1**	**6.1**
1,000 or fewer	73	0.6	62	0.5	84.9	7	0.1	9.6	4	0.0	5.5
1,001 – 6,000	30	0.3	25	0.2	83.3	3	0.0	10.0	2	0.0	6.7
6,001 – 50,000	10	0.1	8	0.1	80.0	1	0.0	10.0	1	0.0	10.0
50,001 – 100,000	1	0.0	1	0.0	100.0	0	0.0	0.0	0	0.0	0.0
100,001 – 1,000,000	0	0.0	0	0.0	0.0	0	0.0	0.0	0	0.0	0.0
1,000,001 or more	0	0.0	0	0.0	0.0	0	0.0	0.0	0	0.0	0.0
County	**1,596**	**13.9**	**933**	**8.1**	**58.5**	**507**	**4.4**	**31.8**	**156**	**1.4**	**9.8**
1,000 or fewer	18	0.2	14	0.1	77.8	2	0.0	11.1	2	0.0	11.1
1,001 – 6,000	267	2.3	142	1.2	53.2	100	0.9	37.5	25	0.2	9.4
6,001 – 50,000	932	8.1	547	4.8	58.7	302	2.6	32.4	83	0.7	8.9
50,001 – 100,000	181	1.6	109	0.9	60.2	50	0.4	27.6	22	0.2	12.2
100,001 – 1,000,000	193	1.7	117	1.0	60.6	52	0.5	26.9	24	0.2	12.4
1,000,001 or more	5	0.0	4	0.0	80.0	1	0.0	20.0	0	0.0	0.0
Place	**7,009**	**60.9**	**5,855**	**50.9**	**83.5**	**744**	**6.5**	**10.6**	**410**	**3.6**	**5.8**
1,000 or fewer	3,013	26.2	2,600	22.6	86.3	260	2.3	8.6	153	1.3	5.1
1,001 – 6,000	2,368	20.6	1,997	17.4	84.3	230	2.0	9.7	141	1.2	6.0
6,001 – 50,000	1,455	12.7	1,137	9.9	78.1	212	1.8	14.6	106	0.9	7.3
50,001 – 100,000	102	0.9	71	0.6	69.6	23	0.2	22.5	8	0.1	7.8
100,001 – 1,000,000	68	0.6	47	0.4	69.1	19	0.2	27.9	2	0.0	2.9
1,000,001 or more	3	0.0	3	0.0	100.0	0	0.0	0.0	0	0.0	0.0
MCD	**2,753**	**23.9**	**2,206**	**19.2**	**80.1**	**262**	**2.3**	**9.5**	**285**	**2.5**	**10.4**
1,000 or fewer	1,176	10.2	969	8.4	82.4	82	0.7	7.0	125	1.1	10.6
1,001 – 6,000	1,227	10.7	988	8.6	80.5	136	1.2	11.1	103	0.9	8.4
6,001 – 50,000	349	3.0	248	2.2	71.1	44	0.4	12.6	57	0.5	16.3
50,001 – 100,000	1	0.0	1	0.0	100.0	0	0.0	0.0	0	0.0	0.0
100,001 – 1,000,000	0	0.0	0	0.0	0.0	0	0.0	0.0	0	0.0	0.0
1,000,001 or more	0	0.0	0	0.0	0.0	0	0.0	0.0	0	0.0	0.0
Total	**11,500**	**100.0**	**9,110**	**79.2**		**1,530**	**13.3**		**860**	**7.5**	
1,000 or fewer	4,280	37.2	3,645	31.7	85.2	351	3.1	8.2	284	2.5	6.6
1,001 – 6,000	3,892	33.8	3,152	27.4	81.0	469	4.1	12.1	271	2.4	7.0
6,001 – 50,000	2,747	23.9	1,941	16.9	70.7	559	4.9	20.3	247	2.1	9.0
50,001 – 100,000	285	2.5	182	1.6	63.9	73	0.6	25.6	30	0.3	10.5
100,001 – 1,000,000	269	2.3	171	1.5	63.6	71	0.6	26.4	27	0.2	10.0
1,000,001 or more	27	0.2	19	0.2	70.4	7	0.1	25.9	1	0.0	3.7
Total	**11,500**	**100.0**	**9,110**	**79.2**		**1,530**	**13.3**		**860**	**7.5**	

Data Source: Geography Division.
* Government size is determined by the number of residential addresses in the MTdb at the beginning of the LUCA program.
Note: The sum of categories may not equal the total due to rounding.

Table 7. 2010 Census LUCA Option 1 Media Selection by Government Type and Size

Government Type Size*	Total Registered Option 1		Media Type					
			Paper Address List/ Paper Maps			Paper Address List/Shapefiles		
	Total	% of Total	Total Selected	% of Total	% Within Gov't Type, Size	Total Selected	% of Total	% Within Gov't Type, Size
State	**20**	**0.2**	**N/A**	**N/A**	**N/A**	**N/A**	**N/A**	**N/A**
1,000 or fewer	0	0.0	N/A	N/A	N/A	N/A	N/A	N/A
1,001 – 6,000	0	0.0	N/A	N/A	N/A	N/A	N/A	N/A
6,001 – 50,000	1	0.0	N/A	N/A	N/A	N/A	N/A	N/A
50,001 – 100,000	0	0.0	N/A	N/A	N/A	N/A	N/A	N/A
100,001 – 1,000,000	7	0.1	N/A	N/A	N/A	N/A	N/A	N/A
1,000,001 or more	12	0.1	N/A	N/A	N/A	N/A	N/A	N/A
AIR	**96**	**1.1**	**31**	**0.3**	**32.3**	**11**	**0.1**	**11.5**
1,000 or fewer	62	0.7	28	0.3	45.2	3	0.0	4.8
1,001 – 6,000	25	0.3	3	0.0	12.0	5	0.1	20.0
6,001 – 50,000	8	0.1	0	0.0	0.0	3	0.0	37.5
50,001 – 100,000	1	0.0	0	0.0	0.0	0	0.0	0.0
100,001 – 1,000,000	0	0.0	0	0.0	0.0	0	0.0	0.0
1,000,001 or more	0	0.0	0	0.0	0.0	0	0.0	0.0
County	**933**	**10.2**	**57**	**0.6**	**6.1**	**5**	**0.1**	**0.5**
1,000 or fewer	14	0.2	4	0.0	28.6	0	0.0	0.0
1,001 – 6,000	142	1.6	49	0.5	34.5	5	0.1	3.5
6,001 – 50,000	547	6.0	4	0.0	0.7	0	0.0	0.0
50,001 – 100,000	109	1.2	0	0.0	0.0	0	0.0	0.0
100,001 – 1,000,000	117	1.3	0	0.0	0.0	0	0.0	0.0
1,000,001 or more	4	0.0	0	0.0	0.0	0	0.0	0.0
Place	**5,855**	**64.3**	**2,370**	**26.0**	**40.5**	**135**	**1.5**	**2.3**
1,000 or fewer	2,600	28.5	1,688	18.5	64.9	48	0.5	1.8
1,001 – 6,000	1,997	21.9	674	7.4	33.8	85	0.9	4.3
6,001 – 50,000	1,137	12.5	8	0.1	0.7	2	0.0	0.2
50,001 – 100,000	71	0.8	0	0.0	0.0	0	0.0	0.0
100,001 – 1,000,000	47	0.5	0	0.0	0.0	0	0.0	0.0
1,000,001 or more	3	0.0	0	0.0	0.0	0	0.0	0.0
MCD	**2,206**	**24.2**	**1,143**	**12.5**	**51.8**	**48**	**0.5**	**2.2**
1,000 or fewer	969	10.6	670	7.4	69.1	24	0.3	2.5
1,001 – 6,000	988	10.8	468	5.1	47.4	24	0.3	2.4
6,001 – 50,000	248	2.7	5	0.1	2.0	0	0.0	0.0
50,001 – 100,000	1	0.0	0	0.0	0.0	0	0.0	0.0
100,001 – 1,000,000	0	0.0	0	0.0	0.0	0	0.0	0.0
1,000,001 or more	0	0.0	0	0.0	0.0	0	0.0	0.0
Total	**9,110**	**100.0**	**3,601**	**39.5**		**199**	**2.2**	
1,000 or fewer	3,645	40.0	2,390	26.2	65.6	75	0.8	2.1
1,001 – 6,000	3,152	34.6	1,194	13.1	37.9	119	1.3	3.8
6,001 – 50,000	1,941	21.3	17	0.2	0.9	5	0.1	0.3
50,001 – 100,000	182	2.0	0	0.0	0.0	0	0.0	0.0
100,001 – 1,000,000	171	1.9	0	0.0	0.0	0	0.0	0.0
1,000,001 or more	19	0.2	0	0.0	0.0	0	0.0	0.0
Total	**9,110**	**100.0**	**3,601**	**39.5**		**199**	**2.2**	

Data Source: Geography Division.
N/A – Not Applicable.
* Government size is determined by the number of residential addresses in the MTdb at the beginning of the LUCA program.
Note: The sum of categories may not equal the total due to rounding.

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Table 7 continued. 2010 Census LUCA Option 1 Media Selection by Government Type and Size

Government Type Size*	Media Type: Computer-readable Address List/ Paper Maps — Total Selected	% of Total	% Within Gov't Type, Size	Computer-readable Address List/ Shapefiles — Total Selected	% of Total	% Within Gov't Type, Size	MTPS — Total Selected	% of Total	% Within Gov't Type, Size
State	**N/A**	**N/A**	**N/A**	**12**	**0.1**	**60.0**	**8**	**0.1**	**40.0**
1,000 or fewer	N/A	N/A	N/A	0	0.0	0.0	0	0.0	0.0
1,001 – 6,000	N/A	N/A	N/A	0	0.0	0.0	0	0.0	0.0
6,001 – 50,000	N/A	N/A	N/A	1	0.0	0.0	0	0.0	0.0
50,001 – 100,000	N/A	N/A	N/A	0	0.0	0.0	0	0.0	0.0
100,001 – 1,000,000	N/A	N/A	N/A	4	0.0	57.1	3	0.0	42.9
1,000,001 or more	N/A	N/A	N/A	7	0.1	58.3	5	0.1	41.7
AIR	**18**	**0.2**	**18.8**	**20**	**0.2**	**20.8**	**16**	**0.2**	**16.7**
1,000 or fewer	11	0.1	17.7	15	0.2	24.2	5	0.1	8.1
1,001 – 6,000	5	0.1	20.0	4	0.0	16.0	8	0.1	32.0
6,001 – 50,000	1	0.0	12.5	1	0.0	12.5	3	0.0	37.5
50,001 – 100,000	1	0.0	100.0	0	0.0	0.0	0	0.0	0.0
100,001 – 1,000,000	0	0.0	0.0	0	0.0	0.0	0	0.0	0.0
1,000,001 or more	0	0.0	0.0	0	0.0	0.0	0	0.0	0.0
County	**156**	**1.7**	**16.7**	**402**	**4.4**	**43.1**	**313**	**3.4**	**33.5**
1,000 or fewer	5	0.1	35.7	4	0.0	28.6	1	0.0	7.1
1,001 – 6,000	32	0.4	22.5	30	0.3	21.1	26	0.3	18.3
6,001 – 50,000	112	1.2	20.5	233	2.6	42.6	198	2.2	36.2
50,001 – 100,000	3	0.0	2.8	59	0.6	54.1	47	0.5	43.1
100,001 – 1,000,000	4	0.0	3.4	72	0.8	61.5	41	0.5	35.0
1,000,001 or more	0	0.0	0.0	4	0.0	100.0	0	0.0	0.0
Place	**1,398**	**15.3**	**23.9**	**850**	**9.3**	**14.5**	**1,102**	**12.1**	**18.8**
1,000 or fewer	528	5.8	20.3	97	1.1	3.7	239	2.6	9.2
1,001 – 6,000	586	6.4	29.3	253	2.8	12.7	399	4.4	20.0
6,001 – 50,000	274	3.0	24.1	432	4.7	38.0	421	4.6	37.0
50,001 – 100,000	8	0.1	11.3	38	0.4	53.5	25	0.3	35.2
100,001 – 1,000,000	2	0.0	4.3	28	0.3	59.6	17	0.2	36.2
1,000,001 or more	0	0.0	0.0	2	0.0	66.7	1	0.0	33.3
MCD	**523**	**5.7**	**23.7**	**180**	**2.0**	**8.2**	**312**	**3.4**	**14.1**
1,000 or fewer	161	1.8	16.6	39	0.4	4.0	75	0.8	7.7
1,001 – 6,000	271	3.0	27.4	83	0.9	8.4	142	1.6	14.4
6,001 – 50,000	91	1.0	36.7	57	0.6	23.0	95	1.0	38.3
50,001 – 100,000	0	0.0	0.0	1	0.0	100.0	0	0.0	0.0
100,001 – 1,000,000	0	0.0	0.0	0	0.0	0.0	0	0.0	0.0
1,000,001 or more	0	0.0	0.0	0	0.0	0.0	0	0.0	0.0
Total	**2,095**	**23.0**		**1,464**	**16.1**		**1,751**	**19.2**	
1,000 or fewer	705	7.7	19.3	155	1.7	4.3	320	3.5	8.8
1,001 – 6,000	894	9.8	28.4	370	4.1	11.7	575	6.3	18.2
6,001 – 50,000	478	5.2	24.6	724	7.9	37.3	717	7.9	36.9
50,001 – 100,000	12	0.1	6.6	98	1.1	53.8	72	0.8	39.6
100,001 – 1,000,000	6	0.1	3.5	104	1.1	60.8	61	0.7	35.7
1,000,001 or more	0	0.0	0.0	13	0.1	68.4	6	0.1	31.6
Total	**2,095**	**23.0**		**1,464**	**16.1**		**1,751**	**19.2**	

Data Source: Geography Division.
N/A – Not Applicable.
* Government size is determined by the number of residential addresses in the MTdb at the beginning of the LUCA program.
Note: The sum of categories may not equal the total due to rounding.

Table 8. 2010 Census LUCA Option 2 Media Selection by Government Type and Size

Government Type Size*	Total Registered Option 2		Media Type: Computer-readable Address List/Paper Maps		
	Total	% of Total	Total Selected	% of Total	% Within Gov't Type, Size
State	**6**	**0.4**	**N/A**	**N/A**	**N/A**
1,000 or fewer	0	0.0	N/A	N/A	N/A
1,001 – 6,000	0	0.0	N/A	N/A	N/A
6,001 – 50,000	0	0.0	N/A	N/A	N/A
50,001 – 100,000	0	0.0	N/A	N/A	N/A
100,001 – 1,000,000	0	0.0	N/A	N/A	N/A
1,000,001 or more	6	0.4	N/A	N/A	N/A
AIR	**11**	**0.7**	**7**	**0.5**	**63.6**
1,000 or fewer	7	0.5	5	0.3	71.4
1,001 – 6,000	3	0.2	2	0.1	66.7
6,001 – 50,000	1	0.1	0	0.0	0.0
50,001 – 100,000	0	0.0	0	0.0	0.0
100,001 – 1,000,000	0	0.0	0	0.0	0.0
1,000,001 or more	0	0.0	0	0.0	0.0
County	**507**	**33.1**	**100**	**6.5**	**19.7**
1,000 or fewer	2	0.1	1	0.1	50.0
1,001 – 6,000	100	6.5	40	2.6	40.0
6,001 – 50,000	302	19.7	54	3.5	17.9
50,001 – 100,000	50	3.3	4	0.3	8.0
100,001 – 1,000,000	52	3.4	1	0.1	1.9
1,000,001 or more	1	0.1	0	0.0	0.0
Place	**744**	**48.6**	**287**	**18.8**	**38.6**
1,000 or fewer	260	17.0	143	9.3	55.0
1,001 – 6,000	230	15.0	105	6.9	45.7
6,001 – 50,000	212	13.9	39	2.5	18.4
50,001 – 100,000	23	1.5	0	0.0	0.0
100,001 – 1,000,000	19	1.2	0	0.0	0.0
1,000,001 or more	0	0.0	0	0.0	0.0
MCD	**262**	**17.1**	**110**	**7.2**	**42.0**
1,000 or fewer	82	5.4	43	2.8	52.4
1,001 – 6,000	136	8.9	55	3.6	40.4
6,001 – 50,000	44	2.9	12	0.8	27.3
50,001 – 100,000	0	0.0	0	0.0	0.0
100,001 – 1,000,000	0	0.0	0	0.0	0.0
1,000,001 or more	0	0.0	0	0.0	0.0
Total	**1,530**	**100.0**	**504**	**32.9**	
1,000 or fewer	351	22.9	192	12.5	54.7
1,001 – 6,000	469	30.7	202	13.2	43.1
6,001 – 50,000	559	36.5	105	6.9	18.8
50,001 – 100,000	73	4.8	4	0.3	5.5
100,001 – 1,000,000	71	4.6	1	0.1	1.4
1,000,001 or more	7	0.5	0	0.0	0.0
Total	**1,530**	**100.0**	**504**	**32.9**	

Data Source: Geography Division.
N/A – Not Applicable.
* Government size is determined by the number of residential addresses in the MTdb at the beginning of the LUCA program.
Note: The sum of categories may not equal the total due to rounding.

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Table 8 continued. 2010 Census LUCA Option 2 Media Selection by Government Type and Size

Government Type Size*	Media Type: Computer-readable Address List/Shapefiles: Total Selected	Computer-readable Address List/Shapefiles: % of Total	Computer-readable Address List/Shapefiles: % Within Gov't Type, Size	MTPS: Total Selected	MTPS: % of Total	MTPS: % Within Gov't Type, Size
State	**4**	**0.3**	**66.7**	**2**	**0.1**	**33.3**
1,000 or fewer	0	0.0	0.0	0	0.0	0.0
1,001 – 6,000	0	0.0	0.0	0	0.0	0.0
6,001 – 50,000	0	0.0	0.0	0	0.0	0.0
50,001 – 100,000	0	0.0	0.0	0	0.0	0.0
100,001 – 1,000,000	0	0.0	0.0	0	0.0	0.0
1,000,001 or more	4	0.3	66.7	2	0.1	33.3
AIR	**1**	**0.1**	**9.1**	**3**	**0.2**	**27.3**
1,000 or fewer	1	0.1	14.3	1	0.1	14.3
1,001 – 6,000	0	0.0	0.0	1	0.1	33.3
6,001 – 50,000	0	0.0	0.0	1	0.1	100.0
50,001 – 100,000	0	0.0	0.0	0	0.0	0.0
100,001 – 1,000,000	0	0.0	0.0	0	0.0	0.0
1,000,001 or more	0	0.0	0.0	0	0.0	0.0
County	**300**	**19.6**	**59.2**	**107**	**7.0**	**21.1**
1,000 or fewer	0	0.0	0.0	1	0.1	50.0
1,001 – 6,000	37	2.4	37.0	23	1.5	23.0
6,001 – 50,000	190	12.4	62.9	58	3.8	19.2
50,001 – 100,000	33	2.2	66.0	13	0.8	26.0
100,001 – 1,000,000	39	2.5	75.0	12	0.8	23.1
1,000,001 or more	1	0.1	100.0	0	0.0	0.0
Place	**337**	**22.0**	**45.3**	**120**	**7.8**	**16.1**
1,000 or fewer	93	6.1	35.8	24	1.6	9.2
1,001 – 6,000	90	5.9	39.1	35	2.3	15.2
6,001 – 50,000	122	8.0	57.5	51	3.3	24.1
50,001 – 100,000	15	1.0	65.2	8	0.5	34.8
100,001 – 1,000,000	17	1.1	89.5	2	0.1	10.5
1,000,001 or more	0	0.0	0.0	0	0.0	0.0
MCD	**134**	**8.8**	**51.1**	**18**	**1.2**	**6.9**
1,000 or fewer	34	2.2	41.5	5	0.3	6.1
1,001 – 6,000	72	4.7	52.9	9	0.6	6.6
6,001 – 50,000	28	1.8	63.6	4	0.3	9.1
50,001 – 100,000	0	0.0	0.0	0	0.0	0.0
100,001 – 1,000,000	0	0.0	0.0	0	0.0	0.0
1,000,001 or more	0	0.0	0.0	0	0.0	0.0
Total	**776**	**50.7**		**250**	**16.3**	
1,000 or fewer	128	8.4	36.5	31	2.0	8.8
1,001 – 6,000	199	13.0	42.4	68	4.4	14.5
6,001 – 50,000	340	22.2	60.8	114	7.5	20.4
50,001 – 100,000	48	3.1	65.8	21	1.4	28.8
100,001 – 1,000,000	56	3.7	78.9	14	0.9	19.7
1,000,001 or more	5	0.3	71.4	2	0.1	28.6
Total	**776**	**50.7**		**250**	**16.3**	

Data Source: Geography Division.
* Government size is determined by the number of residential addresses in the MTdb at the beginning of the LUCA program.
Note: The sum of categories may not equal the total due to rounding.

Table 9. 2010 Census LUCA Option 3 Media Selection by Government Type and Size

Government Type Size*	Total Registered Option 3		Media Type: Computer-readable Address Count List/Paper Maps		
	Total	% of Total	Total Selected	% of Total	% Within Gov't Type, Size
State	**2**	**0.2**	**N/A**	**N/A**	**N/A**
1,000 or fewer	0	0.0	N/A	N/A	N/A
1,001 – 6,000	0	0.0	N/A	N/A	N/A
6,001 – 50,000	0	0.0	N/A	N/A	N/A
50,001 – 100,000	0	0.0	N/A	N/A	N/A
100,001 – 1,000,000	0	0.0	N/A	N/A	N/A
1,000,001 or more	0	0.0	N/A	N/A	N/A
AIR	**7**	**0.8**	**4**	**0.5**	**57.1**
1,000 or fewer	4	0.5	3	0.3	75.0
1,001 – 6,000	2	0.2	1	0.1	50.0
6,001 – 50,000	1	0.1	0	0.0	0.0
50,001 – 100,000	0	0.0	0	0.0	0.0
100,001 – 1,000,000	0	0.0	0	0.0	0.0
1,000,001 or more	0	0.0	0	0.0	0.0
County	**156**	**18.1**	**38**	**4.4**	**24.4**
1,000 or fewer	2	0.2	1	0.1	50.0
1,001 – 6,000	25	2.9	12	1.4	48.0
6,001 – 50,000	83	9.7	18	2.1	21.7
50,001 – 100,000	22	2.6	3	0.3	13.6
100,001 – 1,000,000	24	2.8	4	0.5	16.7
1,000,001 or more	0	0.0	0	0.0	0.0
Place	**410**	**47.7**	**255**	**29.7**	**62.2**
1,000 or fewer	153	17.8	117	13.6	76.5
1,001 – 6,000	141	16.4	99	11.5	70.2
6,001 – 50,000	106	12.3	37	4.3	34.9
50,001 – 100,000	8	0.0	1	0.1	12.5
100,001 – 1,000,000	2	0.2	1	0.1	50.0
1,000,001 or more	0	0.0	0	0.0	0.0
MCD	**285**	**33.1**	**216**	**25.1**	**75.8**
1,000 or fewer	125	14.5	110	12.8	88.0
1,001 – 6,000	103	12.0	69	8.0	67.0
6,001 – 50,000	57	6.6	37	4.3	64.9
50,001 – 100,000	0	0.0	0	0.0	0.0
100,001 – 1,000,000	0	0.0	0	0.0	0.0
1,000,001 or more	0	0.0	0	0.0	0.0
Total	**860**	**100.0**	**513**	**59.7**	
1,000 or fewer	284	33.0	231	26.9	81.3
1,001 – 6,000	271	31.5	181	21.0	66.8
6,001 – 50,000	247	28.7	92	10.7	37.2
50,001 – 100,000	30	3.5	4	0.5	13.3
100,001 – 1,000,000	27	3.1	5	0.6	18.5
1,000,001 or more	1	0.1	0	**0.0**	0.0
Total	**860**	**100.0**	**513**	**59.7**	

Data Source: Geography Division.
N/A – Not Applicable.
* Government size is determined by the number of residential addresses in the MTdb at the beginning of the LUCA program.
Note: The sum of categories may not equal the total due to rounding.

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Table 9 continued. 2010 Census LUCA Option 3 Media Selection by Government Type and Size

Government Type Size*	Media Type: Computer-readable Address Count List/Shapefiles: Total Selected	Computer-readable Address Count List/Shapefiles: % of Total	Computer-readable Address Count List/Shapefiles: % Within Gov't Type, Size	MTPS: Total Selected	MTPS: % of Total	MTPS: % Within Gov't Type, Size
State	**1**	**0.1**	**50.0**	**1**	**0.1**	**50.0**
1,000 or fewer	0	0.0	0.0	0	0.0	0.0
1,001 – 6,000	0	0.0	0.0	0	0.0	0.0
6,001 – 50,000	0	0.0	0.0	0	0.0	0.0
50,001 – 100,000	0	0.0	0.0	0	0.0	0.0
100,001 – 1,000,000	0	0.0	0.0	1	0.1	0.0
1,000,001 or more	1	0.1	0.0	0	0.0	0.0
AIR	**1**	**0.1**	**14.3**	**2**	**0.2**	**28.6**
1,000 or fewer	0	0.0	0.0	1	0.1	25.0
1,001 – 6,000	0	0.0	0.0	1	0.1	50.0
6,001 – 50,000	1	0.1	100.0	0	0.0	0.0
50,001 – 100,000	0	0.0	0.0	0	0.0	0.0
100,001 – 1,000,000	0	0.0	0.0	0	0.0	0.0
1,000,001 or more	0	0.0	0.0	0	0.0	0.0
County	**87**	**10.1**	**55.8**	**31**	**3.6**	**19.9**
1,000 or fewer	0	0.0	0.0	1	0.1	50.0
1,001 – 6,000	8	0.9	32.0	5	0.6	20.0
6,001 – 50,000	50	5.8	60.2	15	1.7	18.1
50,001 – 100,000	17	2.0	77.3	2	0.2	9.1
100,001 – 1,000,000	12	1.4	50.0	8	0.9	33.3
1,000,001 or more	0	0.0	0.0	0	0.0	0.0
Place	**91**	**10.6**	**22.2**	**64**	**7.4**	**15.6**
1,000 or fewer	13	1.5	8.5	23	2.7	15.0
1,001 – 6,000	23	2.7	16.3	19	2.2	13.5
6,001 – 50,000	50	5.8	47.2	19	2.2	17.9
50,001 – 100,000	5	0.6	62.5	2	0.2	25.0
100,001 – 1,000,000	0	0.0	0.0	1	0.1	50.0
1,000,001 or more	0	0.0	0.0	0	0.0	0.0
MCD	**42**	**4.9**	**14.7**	**27**	**3.1**	**9.5**
1,000 or fewer	8	0.9	6.4	7	0.8	5.6
1,001 – 6,000	21	2.4	20.4	13	1.5	12.6
6,001 – 50,000	13	1.5	22.8	7	0.8	12.3
50,001 – 100,000	0	0.0	0.0	0	0.0	0.0
100,001 – 1,000,000	0	0.0	0.0	0	0.0	0.0
1,000,001 or more	0	0.0	0.0	0	0.0	0.0
Total	**222**	**25.8**		**125**	**14.5**	
1,000 or fewer	21	2.4	7.4	32	3.7	11.3
1,001 – 6,000	52	6.0	19.2	38	4.4	14.0
6,001 – 50,000	114	13.3	46.2	41	4.8	16.6
50,001 – 100,000	22	2.6	73.3	4	0.5	13.3
100,001 – 1,000,000	12	1.4	44.4	10	1.2	37.0
1,000,001 or more	1	0.1	100.0	0	0.0	0.0
Total	**222**	**25.8**		**125**	**14.5**	

Data Source: Geography Division.
* Government size is determined by the number of residential addresses in the MTdb at the beginning of the LUCA program.
Note: The sum of categories may not equal the total due to rounding.

Table 10. 2010 Census LUCA Participants that Dropped Out of the Program After Receiving Materials by Government Type, Size, and Option

Government Type Size* Option	Registered Participants		Dropped Out After Receiving Materials			Active Participants		
	Total	% of Total	Total	% of Total	% Within Gov't Type, Size	Total	% of Total	% Within Gov't Type, Size
State	**28**	**0.2**	**0**	**0.0**	**0.0**	**28**	**0.3**	**100.0**
1,000 or fewer	0	0.0	0	0.0	0.0	0	0.0	0.0
1,001 – 6,000	0	0.0	0	0.0	0.0	0	0.0	0.0
6,001 – 50,000	1	0.01	0	0.0	0.0	1	0.0	100.0
50,001 – 100,000	0	0.0	0	0.0	0.0	0	0.0	0.0
100,001 – 1,000,000	8	0.1	0	0.0	0.0	8	0.1	100.0
1,000,001 or more	19	0.2	0	0.0	0.0	19	0.2	100.0
AIR	**114**	**1.0**	**4**	**0.0**	**3.5**	**110**	**1.0**	**96.5**
1,000 or fewer	73	64.0	0	0.0	0.0	73	0.7	100.0
1,001 – 6,000	30	9.1	2	0.0	6.7	28	0.3	93.3
6,001 – 50,000	10	3.0	2	0.0	20.0	8	0.1	80.0
50,001 – 100,000	1	0.3	0	0.0	0.0	1	0.0	100.0
100,001 – 1,000,000	0	0.0	0	0.0	0.0	0	0.0	0.0
1,000,001 or more	0	0.0	0	0.0	0.0	0	0.0	0.0
County	**1,596**	**13.9**	**94**	**0.8**	**5.9**	**1,502**	**13.9**	**94.1**
1,000 or fewer	18	0.6	1	0.0	5.6	17	0.2	94.4
1,001 – 6,000	267	8.6	21	0.2	7.9	246	2.3	92.1
6,001 – 50,000	932	29.9	51	0.4	5.5	881	8.1	94.5
50,001 – 100,000	181	5.8	12	0.1	6.6	169	1.6	93.4
100,001 – 1,000,000	193	6.2	9	0.1	4.7	184	1.7	95.3
1,000,001 or more	5	0.2	0	0.0	0.0	5	0.0	100.0
Place	**7,009**	**60.9**	**302**	**2.6**	**4.3**	**6,707**	**61.9**	**95.7**
1,000 or fewer	3,013	15.5	124	1.1	4.1	2,889	26.7	95.9
1,001 – 6,000	2,368	12.2	109	0.9	4.6	2,259	20.9	95.4
6,001 – 50,000	1,455	7.5	61	0.5	4.2	1,394	12.9	95.8
50,001 – 100,000	102	0.5	4	0.0	3.9	98	0.9	96.1
100,001 – 1,000,000	68	0.4	4	0.0	5.9	64	0.6	94.1
1,000,001 or more	3	0.0	0	0.0	0.0	3	0.0	100.0
MCD	**2,753**	**23.9**	**265**	**2.3**	**9.6**	**2,488**	**23.0**	**90.4**
1,000 or fewer	1,176	7.2	99	0.9	8.4	1,077	9.9	91.6
1,001 – 6,000	1,227	7.5	134	1.2	10.9	1,093	10.1	89.1
6,001 – 50,000	349	2.1	32	0.3	9.2	317	2.9	90.8
50,001 – 100,000	1	0.0	0	0.0	0.0	1	0.0	100.0
100,001 – 1,000,000	0	0.0	0	0.0	0.0	0	0.0	0.0
1,000,001 or more	0	0.0	0	0.0	0.0	0	0.0	0.0
Total	**11,500**	**100.0**	**665**	**5.8**	**5.8**	**10,835**	**100.0**	**94.2**
1,000 or fewer	4,280	37.2	224	1.9	5.2	4,056	37.4	94.8
1,001 – 6,000	3,892	33.8	266	2.3	6.8	3,626	33.5	93.2
6,001 – 50,000	2,747	23.9	146	1.3	5.3	2,601	24.0	94.7
50,001 – 100,000	285	2.5	16	0.1	5.6	269	2.5	94.4
100,001 – 1,000,000	269	2.3	13	0.1	4.8	256	2.4	95.2
1,000,001 or more	27	0.2	0	0.0	0.0	27	0.2	100.0
Total	**11,500**	**100.0**	**665**	**5.8**	**5.8**	**10,835**	**100.0**	**94.2**
Option 1	9,110	79.2	378	3.3	4.1	8,732	80.6	95.9
Option 2	1,530	13.3	233	2.0	15.2	1,297	12.0	84.8
Option 3	860	7.5	54	0.5	6.3	806	7.4	93.7
Total	**11,500**	**100.0**	**665**	**5.8**	**5.8**	**10,835**	**100.0**	**94.2**

Data Source: Geography Division.
* Government size is determined by the number of residential addresses in the MTdb at the beginning of the LUCA program.
Note: The sum of categories may not equal the total due to rounding.

Table 11. 2010 Census LUCA Participant Reasons for Dropout by Government Type

Government Type	Total Reasons	Insufficient Staff	Lack of Funds	No Time/ Too Busy	No Local Address List Available	LUCA Review Performed by a Higher Level of Government	Other Reason	No Reason Provided
State	0	0	0	0	0	0	0	0
AIR	9	2	1	3	1	0	2	0
County	123	28	4	43	6	5	26	11
Place	372	79	10	65	4	130	66	18
MCD	319	37	14	43	9	120	39	57
Total	**823**	**146**	**29**	**154**	**20**	**255**	**133**	**86**

Source: *Survey Results of Non-Participating Government Eligible for the 2010 Census Local Update of Census Addresses (LUCA) Program.*

Table 12. 2010 Census LUCA Map Media Type Change by Government Type, Size, and Option

Government Type Size* Option	Total	Map Media Type Change Paper Maps to Shapefiles Total	 % of Total	Paper Maps to MTPS Total	 % of Total	Shapefiles to Paper Maps Total	 % of Total
State	**0**	**N/A**	**N/A**	**N/A**	**N/A**	**N/A**	**N/A**
1,000 or fewer	0	N/A	N/A	N/A	N/A	N/A	N/A
1,001 – 6,000	0	N/A	N/A	N/A	N/A	N/A	N/A
6,001 – 50,000	0	N/A	N/A	N/A	N/A	N/A	N/A
50,001 – 100,000	0	N/A	N/A	N/A	N/A	N/A	N/A
100,001 – 1,000,000	0	N/A	N/A	N/A	N/A	N/A	N/A
1,000,001 or more	0	N/A	N/A	N/A	N/A	N/A	N/A
AIR	**4**	**2**	**1.0**	**0**	**0.0**	**2**	**1.0**
1,000 or fewer	4	2	1.0	0	0.0	2	1.0
1,001 – 6,000	0	0	0.0	0	0.0	0	0.0
6,001 – 50,000	0	0	0.0	0	0.0	0	0.0
50,001 – 100,000	0	0	0.0	0	0.0	0	0.0
100,001 – 1,000,000	0	0	0.0	0	0.0	0	0.0
1,000,001 or more	0	0	0.0	0	0.0	0	0.0
County	**35**	**21**	**10.1**	**2**	**1.0**	**6**	**2.9**
1,000 or fewer	1	1	0.5	0	0.0	0	0.0
1,001 – 6,000	9	3	1.4	0	0.0	2	1.0
6,001 – 50,000	19	11	5.3	2	1.0	4	1.9
50,001 – 100,000	1	1	0.5	0	0.0	0	0.0
100,001 – 1,000,000	5	5	2.4	0	0.0	0	0.0
1,000,001 or more	0	0	0.0	0	0.0	0	0.0
Place	**133**	**32**	**15.4**	**7**	**3.4**	**68**	**32.7**
1,000 or fewer	55	6	2.9	1	0.5	36	17.3
1,001 – 6,000	47	10	4.8	3	1.4	23	11.1
6,001 – 50,000	26	13	6.3	3	1.4	8	3.8
50,001 – 100,000	1	0	0.0	0	0.0	1	0.5
100,001 – 1,000,000	4	3	1.4	0	0.0	0	0.0
1,000,001 or more	0	0	0.0	0	0.0	0	0.0
MCD	**36**	**7**	**3.4**	**1**	**0.5**	**21**	**10.1**
1,000 or fewer	12	1	0.5	0	0.0	10	4.8
1,001 – 6,000	17	2	1.0	0	0.0	10	4.8
6,001 – 50,000	7	4	1.9	1	0.5	1	0.5
50,001 – 100,000	0	0	0.0	0	0.0	0	0.0
100,001 – 1,000,000	0	0	0.0	0	0.0	0	0.0
1,000,001 or more	0	0	0.0	0	0.0	0	0.0
Total	**208**	**62**	**29.8**	**10**	**4.8**	**97**	**46.6**
1,000 or fewer	72	10	4.8	1	0.5	48	23.1
1,001 – 6,000	73	15	7.2	3	1.4	35	16.8
6,001 – 50,000	52	28	13.5	6	2.9	13	6.3
50,001 – 100,000	2	1	0.5	0	0.0	1	0.5
100,001 – 1,000,000	9	8	3.8	0	0.0	0	0.0
1,000,001 or more	0	0	0.0	0	0.0	0	0.0
Total	**208**	**62**	**29.8**	**10**	**4.8**	**97**	**46.6**
Option 1	167	34	16.3	9	4.3	88	42.3
Option 2	31	23	11.1	0	0.0	7	3.4
Option 3	10	5	2.4	1	0.5	2	1.0
Total	**208**	**62**	**29.8**	**10**	**4.8**	**97**	**46.6**

Data Source: Geography Division.
N/A – Not Applicable.
* Government size is determined by the number of residential addresses in the MTdb at the beginning of the LUCA program.
Note: The sum of categories may not equal the total due to rounding.

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Table 12 continued. 2010 Census LUCA Map Media Type Change by Government Type, Size, and Option

Government Type Size* Option	Total	Map Media Type Change Shapefiles to MTPS Total	 % of Total	MTPS to Paper Maps Total	 % of Total	MTPS to Shapefiles Total	 % of Total
State	**0**	**0**	**0.0**	**N/A**	**N/A**	**0**	**0.0**
1,000 or fewer	0	0	0.0	N/A	N/A	0	0.0
1,001 – 6,000	0	0	0.0	N/A	N/A	0	0.0
6,001 – 50,000	0	0	0.0	N/A	N/A	0	0.0
50,001 – 100,000	0	0	0.0	N/A	N/A	0	0.0
100,001 – 1,000,000	0	0	0.0	N/A	N/A	0	0.0
1,000,001 or more	0	0	0.0	N/A	N/A	0	0.0
AIR	**4**	**0**	**0.0**	**0**	**0.0**	**0**	**0.0**
1,000 or fewer	4	0	0.0	0	0.0	0	0.0
1,001 – 6,000	0	0	0.0	0	0.0	0	0.0
6,001 – 50,000	0	0	0.0	0	0.0	0	0.0
50,001 – 100,000	0	0	0.0	0	0.0	0	0.0
100,001 – 1,000,000	0	0	0.0	0	0.0	0	0.0
1,000,001 or more	0	0	0.0	0	0.0	0	0.0
County	**35**	**1**	**0.5**	**5**	**2.4**	**0**	**0.0**
1,000 or fewer	1	0	0.0	0	0.0	0	0.0
1,001 – 6,000	9	1	0.5	3	1.4	0	0.0
6,001 – 50,000	19	0	0.0	2	1.0	0	0.0
50,001 – 100,000	1	0	0.0	0	0.0	0	0.0
100,001 – 1,000,000	5	0	0.0	0	0.0	0	0.0
1,000,001 or more	0	0	0.0	0	0.0	0	0.0
Place	**133**	**1**	**0.5**	**24**	**11.5**	**1**	**0.5**
1,000 or fewer	55	0	0.0	12	5.8	0	0.0
1,001 – 6,000	47	0	0.0	11	5.3	0	0.0
6,001 – 50,000	26	0	0.0	1	0.5	1	0.5
50,001 – 100,000	1	0	0.0	0	0.0	0	0.0
100,001 – 1,000,000	4	1	0.5	0	0.0	0	0.0
1,000,001 or more	0	0	0.0	0	0.0	0	0.0
MCD	**36**	**0**	**0.0**	**7**	**3.4**	**0**	**0.0**
1,000 or fewer	12	0	0.0	1	0.5	0	0.0
1,001 – 6,000	17	0	0.0	5	2.4	0	0.0
6,001 – 50,000	7	0	0.0	1	0.5	0	0.0
50,001 – 100,000	0	0	0.0	0	0.0	0	0.0
100,001 – 1,000,000	0	0	0.0	0	0.0	0	0.0
1,000,001 or more	0	0	0.0	0	0.0	0	0.0
Total	**208**	**2**	**1.0**	**36**	**17.3**	**1**	**0.5**
1,000 or fewer	72	0	0.0	13	6.3	0	0.0
1,001 – 6,000	73	1	0.5	19	9.1	0	0.0
6,001 – 50,000	52	0	0.0	4	1.9	1	0.5
50,001 – 100,000	2	0	0.0	0	0.0	0	0.0
100,001 – 1,000,000	9	1	0.5	0	0.0	0	0.0
1,000,001 or more	0	0	0.0	0	0.0	0	0.0
Total	**208**	**2**	**1.0**	**36**	**17.3**	**1**	**0.5**
Option 1	167	2	1.0	33	15.9	1	0.5
Option 2	31	0	0.0	1	0.5	0	0.0
Option 3	10	0	0.0	2	1.0	0	0.0
Total	**208**	**2**	**1.0**	**36**	**17.3**	**1**	**0.5**

Data Source: Geography Division.
N/A – Not Applicable.
* Government size is determined by the number of residential addresses in the MTdb at the beginning of the LUCA program.
Note: The sum of categories may not equal the total due to rounding.

Table 13. 2010 Census LUCA Address List Media Type Change by Government Type, Size, and Option

Government Type Size* Option	Total	Address Media Type Change Paper to Computer-readable Total	 % of Total	 Paper to MTPS Total	 % of Total	 Computer-readable to Paper Total	 % of Total
State	**0**	**N/A**	**N/A**	**N/A**	**N/A**	**N/A**	**N/A**
1,000 or fewer	0	N/A	N/A	N/A	N/A	N/A	N/A
1,001 – 6,000	0	N/A	N/A	N/A	N/A	N/A	N/A
6,001 – 50,000	0	N/A	N/A	N/A	N/A	N/A	N/A
50,001 – 100,000	0	N/A	N/A	N/A	N/A	N/A	N/A
100,001 – 1,000,000	0	N/A	N/A	N/A	N/A	N/A	N/A
1,000,001 or more	0	N/A	N/A	N/A	N/A	N/A	N/A
AIR	**9**	**1**	**0.8**	**0**	**0.0**	**8**	**6.2**
1,000 or fewer	9	1	0.8	0	0.0	8	6.2
1,001 – 6,000	0	0	0.0	0	0.0	0	0.0
6,001 – 50,000	0	0	0.0	0	0.0	0	0.0
50,001 – 100,000	0	0	0.0	0	0.0	0	0.0
100,001 – 1,000,000	0	0	0.0	0	0.0	0	0.0
1,000,001 or more	0	0	0.0	0	0.0	0	0.0
County	**11**	**2**	**1.5**	**1**	**0.8**	**1**	**0.8**
1,000 or fewer	0	0	0.0	0	0.0	0	0.0
1,001 – 6,000	4	2	1.5	1	0.8	1	0.8
6,001 – 50,000	7	0	0.0	0	0.0	0	0.0
50,001 – 100,000	0	0	0.0	0	0.0	0	0.0
100,001 – 1,000,000	0	0	0.0	0	0.0	0	0.0
1,000,001 or more	0	0	0.0	0	0.0	0	0.0
Place	**78**	**12**	**9.2**	**1**	**0.8**	**33**	**25.4**
1,000 or fewer	44	8	6.2	0	0.0	23	17.7
1,001 – 6,000	25	4	3.1	1	0.8	7	5.4
6,001 – 50,000	8	0	0.0	0	0.0	3	2.3
50,001 – 100,000	0	0	0.0	0	0.0	0	0.0
100,001 – 1,000,000	1	0	0.0	0	0.0	0	0.0
1,000,001 or more	0	0	0.0	0	0.0	0	0.0
MCD	**32**	**3**	**2.3**	**0**	0.0	**21**	**16.2**
1,000 or fewer	8	0	0.0	0	0.0	7	5.4
1,001 – 6,000	21	3	2.3	0	0.0	13	10.0
6,001 – 50,000	3	0	0.0	0	0.0	1	0.8
50,001 – 100,000	0	0	0.0	0	0.0	0	0.0
100,001 – 1,000,000	0	0	0.0	0	0.0	0	0.0
1,000,001 or more	0	0	0.0	0	0.0	0	**0.0**
Total	**130**	**18**	**13.8**	**2**	**1.5**	**63**	**48.5**
1,000 or fewer	61	9	6.9	0	0.0	38	29.2
1,001 – 6,000	50	9	6.9	2	1.5	21	16.2
6,001 – 50,000	18	0	0.0	0	0.0	4	3.1
50,001 – 100,000	0	0	0.0	0	0.0	0	0.0
100,001 – 1,000,000	1	0	0.0	0	0.0	0	0.0
1,000,001 or more	0	0	0.0	0	0.0	0	**0.0**
Total	**130**	**18**	**13.8**	**2**	**1.5**	**63**	**48.5**
Option 1	118	10	7.7	2	1.5	63	48.5
Option 2	9	8	6.2	0	0.0	0	0.0
Option 3	3	0	0.0	0	0.0	0	0.0
Total	**130**	**18**	**13.8**	**2**	**1.5**	**63**	**48.5**

Data Source: Geography Division.
N/A – Not Applicable.
* Government size is determined by the number of residential addresses in the MTdb at the beginning of the LUCA program.
Note: The sum of categories may not equal the total due to rounding.

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Table 13 continued. 2010 Census LUCA Address List Type Change by Government Type, Size, and Option

Government Type Size* Option	Total	Address List Media Type Change: Computer-readable to MTPS Total	Computer-readable to MTPS % of Total	MTPS to Paper Total	MTPS to Paper % of Total	MTPS to Computer-readable Total	MTPS to Computer-readable % of Total
State	**0**	**0**	0.0	**N/A**	**N/A**	**0**	**0.0**
1,000 or fewer	0	0	0.0	N/A	N/A	0	0.0
1,001 – 6,000	0	0	0.0	N/A	N/A	0	0.0
6,001 – 50,000	0	0	0.0	N/A	N/A	0	0.0
50,001 – 100,000	0	0	0.0	N/A	N/A	0	0.0
100,001 – 1,000,000	0	0	0.0	N/A	N/A	0	0.0
1,000,001 or more	0	0	0.0	N/A	N/A	0	0.0
AIR	**9**	**0**	**0.0**	**0**	**0.0**	**0**	**0.0**
1,000 or fewer	9	0	0.0	0	0.0	0	0.0
1,001 – 6,000	0	0	0.0	0	0.0	0	0.0
6,001 – 50,000	0	0	0.0	0	0.0	0	0.0
50,001 – 100,000	0	0	0.0	0	0.0	0	0.0
100,001 – 1,000,000	0	0	0.0	0	0.0	0	0.0
1,000,001 or more	0	0	0.0	0	0.0	0	0.0
County	**11**	**2**	**1.5**	**3**	**2.3**	**2**	**1.5**
1,000 or fewer	0	0	0.0	0	0.0	0	0.0
1,001 – 6,000	4	0	0.0	0	0.0	0	0.0
6,001 – 50,000	7	2	1.5	3	2.3	2	1.5
50,001 – 100,000	0	0	0.0	0	0.0	0	0.0
100,001 – 1,000,000	0	0	0.0	0	0.0	0	0.0
1,000,001 or more	0	0	0.0	0	0.0	0	0.0
Place	**78**	**7**	**5.4**	**14**	**10.8**	**11**	**8.5**
1,000 or fewer	44	1	0.8	7	5.4	5	3.8
1,001 – 6,000	25	2	1.5	7	5.4	4	3.1
6,001 – 50,000	8	3	2.3	0	0.0	2	1.5
50,001 – 100,000	0	0	0.0	0	0.0	0	0.0
100,001 – 1,000,000	1	1	0.8	0	0.0	0	0.0
1,000,001 or more	0	0	0.0	0	0.0	0	0.0
MCD	**32**	**1**	**0.8**	**4**	**3.1**	**3**	**2.3**
1,000 or fewer	8	0	0.0	0	0.0	1	0.8
1,001 – 6,000	21	0	0.0	4	3.1	1	0.8
6,001 – 50,000	3	1	0.8	0	0.0	1	0.8
50,001 – 100,000	0	0	0.0	0	0.0	0	0.0
100,001 – 1,000,000	0	0	0.0	0	0.0	0	0.0
1,000,001 or more	0	0	0.0	0	0.0	0	0.0
Total	**130**	**10**	**7.7**	**21**	**16.2**	**16**	**12.3**
1,000 or fewer	61	1	0.8	7	5.4	6	4.6
1,001 – 6,000	50	2	1.5	11	8.5	5	3.8
6,001 – 50,000	18	6	4.6	3	2.3	5	3.8
50,001 – 100,000	0	0	0.0	0	0.0	0	0.0
100,001 – 1,000,000	1	1	0.8	0	0.0	0	0.0
1,000,001 or more	0	0	0.0	0	0.0	0	0.0
Total	**130**	**10**	**7.7**	**21**	**16.2**	**16**	**12.3**
Option 1	118	9	6.9	21	16.2	13	10.0
Option 2	9	0	0.0	0	0.0	1	0.8
Option 3	3	1	0.8	0	0.0	2	1.5
Total	**130**	**10**	**7.7**	**21**	**16.2**	**16**	**12.3**

Data Source: Geography Division.
N/A – Not Applicable.
* Government size is determined by the number of residential addresses in the MTdb at the beginning of the LUCA program.
Note: The sum of categories may not equal the total due to rounding.

Table 14. 2010 Census LUCA Changed Option by Government Type and Size

Government Type Size*	Total	Option 1 Total	Option 1 % of Total	Option 2 Total	Option 2 % of Total	Option 3 Total	Option 3 % of Total
State	**0**	**0**	**0.0**	**0**	**0.0**	**0**	**0.0**
1,000 or fewer	0	0	0.0	0	0.0	0	0.0
1,001 – 6,000	0	0	0.0	0	0.0	0	0.0
6,001 – 50,000	0	0	0.0	0	0.0	0	0.0
50,001 – 100,000	0	0	0.0	0	0.0	0	0.0
100,001 – 1,000,000	0	0	0.0	0	0.0	0	0.0
1,000,001 or more	0	0	0.0	0	0.0	0	0.0
AIR	**9**	**1**	**1.4**	**0**	**0.0**	**8**	**11.3**
1,000 or fewer	9	1	1.4	0	0.0	8	11.3
1,001 – 6,000	0	0	0.0	0	0.0	0	0.0
6,001 – 50,000	0	0	0.0	0	0.0	0	0.0
50,001 – 100,000	0	0	0.0	0	0.0	0	0.0
100,001 – 1,000,000	0	0	0.0	0	0.0	0	0.0
1,000,001 or more	0	0	0.0	0	0.0	0	0.0
County	**10**	**6**	**8.5**	**0**	**0.0**	**4**	**5.6**
1,000 or fewer	0	0	0.0	0	0.0	0	0.0
1,001 – 6,000	2	1	1.4	0	0.0	1	1.4
6,001 – 50,000	7	4	5.6	0	0.0	3	4.2
50,001 – 100,000	0	0	0.0	0	0.0	0	0.0
100,001 – 1,000,000	1	1	1.4	0	0.0	0	0.0
1,000,001 or more	0	0	0.0	0	0.0	0	0.0
Place	**33**	**5**	**7.0**	**7**	**9.9**	**21**	**29.6**
1,000 or fewer	17	5	7.0	5	7.0	7	9.9
1,001 – 6,000	8	0	0.0	1	1.4	7	9.9
6,001 – 50,000	8	0	0.0	1	1.4	7	9.9
50,001 – 100,000	0	0	0.0	0	0.0	0	0.0
100,001 – 1,000,000	0	0	0.0	0	0.0	0	0.0
1,000,001 or more	0	0	0.0	0	0.0	0	0.0
MCD	**19**	**3**	**4.2**	**3**	**4.2**	**13**	**18.3**
1,000 or fewer	4	0	0.0	1	1.4	3	4.2
1,001 – 6,000	13	3	4.2	2	2.8	8	11.3
6,001 – 50,000	2	0	0.0	0	0.0	2	2.8
50,001 – 100,000	0	0	0.0	0	0.0	0	0.0
100,001 – 1,000,000	0	0	0.0	0	0.0	0	0.0
1,000,001 or more	0	0	0.0	0	0.0	0	0.0
Total	**71**	**15**	**21.1**	**10**	**14.1**	**46**	**64.8**
1,000 or fewer	30	6	8.5	6	8.5	18	25.4
1,001 – 6,000	23	4	5.6	3	4.2	16	22.5
6,001 – 50,000	17	4	5.6	1	1.4	12	16.9
50,001 – 100,000	0	0	0.0	0	0.0	0	0.0
100,001 – 1,000,000	1	1	1.4	0	0.0	0	0.0
1,000,001 or more	0	0	0.0	0	0.0	0	0.0
Total	**71**	**15**	**21.1**	**10**	**14.1**	**46**	**64.8**

Data Source: Geography Division.
* Government size is determined by the number of residential addresses in the MTdb at the beginning of the LUCA program.
Note: The sum of categories may not equal the total due to rounding.

Table 15. 2010 Census LUCA Total Address and Spatial Returns by Government Type, Size, and Option

Government Type Size* Option	Total Active Participants	Returns Total	Returns % of Total Returns	Returns % of Total Active Participants
State	**28**	**24**	**0.3**	**85.7**
1,000 or fewer	0	0	0.0	0.0
1,001 – 6,000	0	0	0.0	0.0
6,001 – 50,000	1	1	0.0	100.0
50,001 – 100,000	0	0	0.0	0.0
100,001 – 1,000,000	8	7	0.1	87.5
1,000,001 or more	19	16	0.2	84.2
AIR	**110**	**52**	**0.6**	**47.3**
1,000 or fewer	73	31	0.4	42.5
1,001 – 6,000	28	14	0.2	50.0
6,001 – 50,000	8	6	0.1	75.0
50,001 – 100,000	1	1	0.0	100.0
100,001 – 1,000,000	0	0	0.0	0.0
1,000,001 or more	0	0	0.0	0.0
County	**1,502**	**1,222**	**14.4**	**81.4**
1,000 or fewer	17	11	0.1	64.7
1,001 – 6,000	246	184	2.2	74.8
6,001 – 50,000	881	697	8.2	79.1
50,001 – 100,000	169	150	1.8	88.8
100,001 – 1,000,000	184	175	2.1	95.1
1,000,001 or more	5	5	0.1	100.0
Place	**6,707**	**5,296**	**62.2**	**79.0**
1,000 or fewer	2,889	2,206	25.9	76.4
1,001 – 6,000	2,259	1,762	20.7	78.0
6,001 – 50,000	1,394	1,174	13.8	84.2
50,001 – 100,000	98	89	1.0	90.8
100,001 – 1,000,000	64	62	0.7	96.9
1,000,001 or more	3	3	0.0	100.0
MCD	**2,488**	**1,919**	**22.5**	**77.1**
1,000 or fewer	1,077	787	9.2	73.1
1,001 – 6,000	1,093	880	10.3	80.5
6,001 – 50,000	317	252	3.0	79.5
50,001 – 100,000	1	0	0.0	0.0
100,001 – 1,000,000	0	0	0.0	0.0
1,000,001 or more	0	0	0.0	0.0
Total	**10,835**	**8,513**	**100.0**	**78.6**
1,000 or fewer	4,056	3,035	35.7	74.8
1,001 – 6,000	3,626	2,840	33.4	78.3
6,001 – 50,000	2,601	2,130	25.0	81.9
50,001 – 100,000	269	240	2.8	89.2
100,001 – 1,000,000	256	244	2.9	95.3
1,000,001 or more	27	24	0.3	88.9
Total	**10,835**	**8,513**	**100.0**	**78.6**
Option 1	8,732	6,918	81.3	79.2
Option 2	1297	1,049	12.3	80.9
Option 3	806	546	6.4	67.7
Total	**10,835**	**8,513**	**100.0**	**78.6**

Data Source: Geography Division.
* Government size is determined by the number of residential addresses in the MTdb at the beginning of the LUCA program.
Note: The sum of categories may not equal the total due to rounding.

Table 16. 2010 Census LUCA Total Address and Spatial Returns by Government Type, Size, and Option

Government Type Size* Option	Returns		With Updates			Without Updates			Usable Returns With Updates	
	Total	% of Total	Total	% of Total Returns	% Within Gov't Type, Size	Total	% of Total Returns	% Within Gov't Type, Size	Total	% Within Gov't Type, Size
State	**24**	**0.3**	**24**	**0.3**	**100.0**	**0**	**0.0**	**0.0**	**24**	**100.0**
1,000 or fewer	0	0.0	0	0.0	0.0	0	0.0	0.0	0	0.0
1,001 – 6,000	0	0.0	0	0.0	0.0	0	0.0	0.0	0	0.0
6,001 – 50,000	1	0.0	1	0.0	100.0	0	0.0	0.0	1	100.0
50,001 – 100,000	0	0.0	0	0.0	0.0	0	0.0	0.0	0	0.0
100,001 – 1,000,000	7	0.1	7	0.1	100.0	0	0.0	0.0	7	100.0
1,000,001 or more	16	0.2	16	0.2	100.0	0	0.0	0.0	16	100.0
AIR	**52**	**0.6**	**47**	**0.6**	**90.4**	**5**	**0.1**	**9.6**	**47**	**100.0**
1,000 or fewer	31	0.4	28	0.3	90.3	3	0.0	9.7	28	100.0
1,001 – 6,000	14	0.2	13	0.2	92.9	1	0.0	7.1	13	100.0
6,001 – 50,000	6	0.1	5	0.1	83.3	1	0.0	16.7	5	100.0
50,001 – 100,000	1	0.0	1	0.0	100.0	0	0.0	0.0	1	100.0
100,001 – 1,000,000	0	0.0	0	0.0	0.0	0	0.0	0.0	0	0.0
1,000,001 or more	0	0.0	0	0.0	0.0	0	0.0	0.0	0	0.0
County	**1,222**	**14.4**	**1,173**	**13.8**	**96.0**	**49**	**0.6**	**4.0**	**1,173**	**100.0**
1,000 or fewer	11	0.1	11	0.1	100.0	0	0.0	0.0	11	100.0
1,001 – 6,000	184	2.2	169	2.0	91.8	15	0.2	8.2	169	100.0
6,001 – 50,000	697	8.2	670	7.9	96.1	27	0.3	3.9	670	100.0
50,001 – 100,000	150	1.8	146	1.7	97.3	4	0.0	2.7	146	100.0
100,001 – 1,000,000	175	2.1	172	2.0	98.3	3	0.0	1.7	172	100.0
1,000,001 or more	5	0.1	5	0.1	100.0	0	0.0	0.0	5	100.0
Place	**5,296**	**62.2**	**5,130**	**60.3**	**96.9**	**166**	**1.9**	**3.1**	**5,130**	**100.0**
1,000 or fewer	2,206	25.9	2,120	24.9	96.1	86	1.0	3.9	2,120	100.0
1,001 – 6,000	1,762	20.7	1,708	20.1	96.9	54	0.6	3.1	1,708	100.0
6,001 – 50,000	1,174	13.8	1,149	13.5	97.9	25	0.3	2.1	1,149	100.0
50,001 – 100,000	89	1.0	89	1.0	100.0	0	0.0	0.0	89	100.0
100,001 – 1,000,000	62	0.7	61	0.7	98.4	1	0.0	1.6	61	100.0
1,000,001 or more	3	0.0	3	0.0	100.0	0	0.0	0.0	3	100.0
MCD	**1,919**	**22.5**	**1,815**	**21.3**	**94.6**	**104**	**1.2**	**5.4**	**1,812**	**99.8**
1,000 or fewer	787	9.2	728	8.6	92.5	59	0.7	7.5	727	99.9
1,001 – 6,000	880	10.3	846	9.9	96.1	34	0.4	3.9	844	99.8
6,001 – 50,000	252	3.0	241	2.8	95.6	11	0.1	4.4	241	100.0
50,001 – 100,000	0	0.0	0	0.0	0.0	0	0.0	0.0	0	0.0
100,001 – 1,000,000	0	0.0	0	0.0	0.0	0	0.0	0.0	0	0.0
1,000,001 or more	0	0.0	0	0.0	0.0	0	0.0	0.0	0	0.0
Total	**8,513**	**100.0**	**8,189**	**96.2**		**324**	**3.8**		**8,186**	
1,000 or fewer	3,035	35.7	2,887	33.9	95.1	148	1.7	4.9	2,886	100.0
1,001 – 6,000	2,840	33.4	2,736	32.1	96.3	104	1.2	3.7	2,734	99.9
6,001 – 50,000	2,130	25.0	2,066	24.3	97.0	64	0.8	3.0	2,066	100.0
50,001 – 100,000	240	2.8	236	2.8	98.3	4	0.0	1.7	236	100.0
100,001 – 1,000,000	244	2.9	240	2.8	98.4	4	0.0	1.6	240	100.0
1,000,001 or more	24	0.3	24	0.3	100.0	0	0.0	0.0	24	100.0
Total	**8,513**	**100.0**	**8,189**	**96.2**		**324**	**3.8**		**8,186**	
Option 1	6,918	81.3	6,683	78.5	96.6	235	2.8	3.4	6,680	99.96
Option 2	1,049	12.3	1,003	11.8	95.6	46	0.5	4.4	1,003	100.0
Option 3	546	6.4	503	5.9	92.1	43	0.5	7.9	503	100.0
Total	**8,513**	**100.0**	**8,189**	**96.2**		**324**	**3.8**		**8,186**	

Data Source: Geography Division.

* Government size is determined by the number of residential addresses in the MTdb at the beginning of the LUCA program.

Note: The sum of categories may not equal the total due to rounding.

Table 17. 2010 Census LUCA Total Usable Address and Spatial Returns with Updates by Government Type, Size, and Option

Government Type Size* Option	Total Updates		Updates					
			Address Updates Only			Spatial Updates Only		
	Total	% of Total	Total Address	% of Total Updates	% Within Gov't Type, Size	Total Spatial	% of Total Updates	% Within Gov't Type, Size
State	**24**	**0.3**	**19**	**0.2**	**79.2**	**1**	**0.0**	**4.2**
1,000 or fewer	0	0.0	0	0.0	0.0	0	0.0	0.0
1,001 – 6,000	0	0.0	0	0.0	0.0	0	0.0	0.0
6,001 – 50,000	1	0.0	1	0.0	100.0	0	0.0	0.0
50,001 – 100,000	0	0.0	0	0.0	0.0	0	0.0	0.0
100,001 – 1,000,000	7	0.1	5	0.1	71.4	0	0.0	0.0
1,000,001 or more	16	0.2	13	0.2	81.3	1	0.0	6.3
AIR	**47**	**0.6**	**27**	**0.3**	**57.4**	**3**	**0.0**	**6.4**
1,000 or fewer	28	0.3	15	0.2	53.6	2	0.0	7.1
1,001 – 6,000	13	0.2	9	0.1	69.2	0	0.0	0.0
6,001 – 50,000	5	0.1	3	0.0	60.0	1	0.0	20.0
50,001 – 100,000	1	0.0	0	0.0	0.0	0	0.0	0.0
100,001 – 1,000,000	0	0.0	0	0.0	0.0	0	0.0	0.0
1,000,001 or more	0	0.0	0	0.0	0.0	0	0.0	0.0
County	**1,173**	**14.3**	**610**	**7.5**	**52.0**	**62**	**0.8**	**5.3**
1,000 or fewer	11	0.1	7	0.1	63.6	1	0.0	9.1
1,001 – 6,000	169	2.1	81	1.0	47.9	14	0.2	8.3
6,001 – 50,000	670	8.2	340	4.2	50.7	41	0.5	6.1
50,001 – 100,000	146	1.8	73	0.9	50.0	5	0.1	3.4
100,001 – 1,000,000	172	2.1	106	1.3	61.6	1	0.0	0.6
1,000,001 or more	5	0.1	3	0.0	60.0	0	0.0	0.0
Place	**5,130**	**62.7**	**1,758**	**21.5**	**34.3**	**312**	**3.8**	**6.1**
1,000 or fewer	2,120	25.9	767	9.4	36.2	116	1.4	5.5
1,001 – 6,000	1,708	20.9	494	6.0	28.9	138	1.7	8.1
6,001 – 50,000	1,149	14.0	423	5.2	36.8	55	0.7	4.8
50,001 – 100,000	89	1.1	41	0.5	46.1	2	0.0	2.2
100,001 – 1,000,000	61	0.7	31	0.4	50.8	1	0.0	1.6
1,000,001 or more	3	0.0	2	0.0	66.7	0	0.0	0.0
MCD	**1,812**	**22.1**	**536**	**6.5**	**29.6**	**167**	**2.0**	**9.2**
1,000 or fewer	727	8.9	283	3.5	38.9	50	0.6	6.9
1,001 – 6,000	844	10.3	197	2.4	23.3	82	1.0	9.7
6,001 – 50,000	241	2.9	56	0.7	23.2	35	0.4	14.5
50,001 – 100,000	0	0.0	0	0.0	0.0	0	0.0	0.0
100,001 – 1,000,000	0	0.0	0	0.0	0.0	0	0.0	0.0
1,000,001 or more	0	0.0	0	0.0	0.0	0	0.0	0.0
Total	**8,186**	**100.0**	**2,950**	**36.0**		**545**	**6.7**	
1,000 or fewer	2,886	35.3	1,072	13.1	37.1	169	2.1	5.9
1,001 – 6,000	2,734	33.4	781	9.5	28.6	234	2.9	8.6
6,001 – 50,000	2,066	25.2	823	10.1	39.8	132	1.6	6.4
50,001 – 100,000	236	2.9	114	1.4	48.3	7	0.1	3.0
100,001 – 1,000,000	240	2.9	142	1.7	59.2	2	0.0	0.8
1,000,001 or more	24	0.3	18	0.2	75.0	1	0.0	4.2
Total	**8,186**	**100.0**	**2,950**	**36.0**		**545**	**6.7**	
Option 1	6,680	81.6	2,292	28.0	34.3	332	4.1	5.0
Option 2	1,003	12.3	496	6.1	49.5	80	1.0	8.0
Option 3	503	6.1	162	2.0	32.2	133	1.6	26.4
Total	**8,186**	**100.0**	**2,950**	**36.0**		**545**	**6.7**	

Data Source: Geography Division.
* Government size is determined by the number of residential addresses in the MTdb at the beginning of the LUCA program.
Note: The sum of categories may not equal the total due to rounding.

Continued on next page

Table 17 continued. 2010 Census LUCA Total Usable Address and Spatial Returns with Updates by Government Type, Size, and Option

Government Type Size* Option	Total Updates		Updates Address and Spatial Updates		
	Total	% of Total	Total Address and Spatial	% of Total Updates	% Within Gov't Type, Size
State	**24**	**0.3**	**4**	**0.0**	**16.7**
1,000 or fewer	0	0.0	0	0.0	0.0
1,001 – 6,000	0	0.0	0	0.0	0.0
6,001 – 50,000	1	0.0	0	0.0	0.0
50,001 – 100,000	0	0.0	0	0.0	0.0
100,001 – 1,000,000	7	0.1	2	0.0	28.6
1,000,001 or more	16	0.2	2	0.0	12.5
AIR	**47**	**0.6**	**17**	**0.2**	**36.2**
1,000 or fewer	28	0.3	11	0.1	39.3
1,001 – 6,000	13	0.2	4	0.0	30.8
6,001 – 50,000	5	0.1	1	0.0	20.0
50,001 – 100,000	1	0.0	1	0.0	100.0
100,001 – 1,000,000	0	0.0	0	0.0	0.0
1,000,001 or more	0	0.0	0	0.0	0.0
County	**1,173**	**14.3**	**501**	**6.1**	**42.7**
1,000 or fewer	11	0.1	3	0.0	27.3
1,001 – 6,000	169	2.1	74	0.9	43.8
6,001 – 50,000	670	8.2	289	3.5	43.1
50,001 – 100,000	146	1.8	68	0.8	46.6
100,001 – 1,000,000	172	2.1	65	0.8	37.8
1,000,001 or more	5	0.1	2	0.0	40.0
Place	**5,130**	**62.7**	**3,060**	**37.4**	**59.6**
1,000 or fewer	2,120	25.9	1,237	15.1	58.3
1,001 – 6,000	1,708	20.9	1,076	13.1	63.0
6,001 – 50,000	1,149	14.0	671	8.2	58.4
50,001 – 100,000	89	1.1	46	0.6	51.7
100,001 – 1,000,000	61	0.7	29	0.4	47.5
1,000,001 or more	3	0.0	1	0.0	33.3
MCD	**1,812**	**22.1**	**1,109**	**13.5**	**61.2**
1,000 or fewer	727	8.9	394	4.8	54.2
1,001 – 6,000	844	10.3	565	6.9	66.9
6,001 – 50,000	241	2.9	150	1.8	62.2
50,001 – 100,000	0	0.0	0	0.0	0.0
100,001 – 1,000,000	0	0.0	0	0.0	0.0
1,000,001 or more	0	0.0	0	0.0	0.0
Total	**8,186**	**100.0**	**4,691**	**57.3**	
1,000 or fewer	2,886	35.3	1,645	20.1	57.0
1,001 – 6,000	2,734	33.4	1,719	21.0	62.9
6,001 – 50,000	2,066	25.2	1,111	13.6	53.8
50,001 – 100,000	236	2.9	115	1.4	48.7
100,001 – 1,000,000	240	2.9	96	1.2	40.0
1,000,001 or more	24	0.3	5	0.1	20.8
Total	**8,186**	**100.0**	**4,691**	**57.3**	
Option 1	6,680	81.6	4,056	49.5	60.7
Option 2	1,003	12.3	427	5.2	42.6
Option 3	503	6.1	208	2.5	41.4
Total	**8,186**	**100.0**	**4,691**	**57.3**	

Data Source: Geography Division.
* Government size is determined by the number of residential addresses in the MTdb at the beginning of the LUCA program.
Note: The sum of categories may not equal the total due to rounding.

Table 18. 2010 Census LUCA Characteristics of Usable Address Lists by Government Type, Size, and Option

Government Type Size* Option	Total Usable Address Updates		Option 1 Address Lists				
			Submitted Action Codes or Additional Addresses		Submitted One Action or One Additional Address		
	Total	% of Total	Total	% of Total	Total	% of Total	% Within Gov't Type, Size
State	**22**	**0.3**	**15**	**0.2**	**0**	**0.0**	**0.0**
1,000 or fewer	0	0.0	0	0.0	0	0.0	0.0
1,001 – 6,000	0	0.0	0	0.0	0	0.0	0.0
6,001 – 50,000	1	0.0	1	0.0	0	0.0	0.0
50,001 – 100,000	0	0.0	0	0.0	0	0.0	0.0
100,001 – 1,000,000	6	0.1	5	0.1	0	0.0	0.0
1,000,001 or more	15	0.2	9	0.1	0	0.0	0.0
AIR	**37**	**0.5**	**30**	**0.5**	**0**	**0.0**	**0.0**
1,000 or fewer	24	0.3	20	0.3	0	0.0	0.0
1,001 – 6,000	10	0.1	7	0.1	0	0.0	0.0
6,001 – 50,000	3	0.0	3	0.0	0	0.0	0.0
50,001 – 100,000	0	0.0	0	0.0	0	0.0	0.0
100,001 – 1,000,000	0	0.0	0	0.0	0	0.0	0.0
1,000,001 or more	0	0.0	0	0.0	0	0.0	0.0
County	**1,077**	**14.3**	**596**	**9.6**	**3**	**8.6**	**0.5**
1,000 or fewer	10	0.1	9	0.1	0	0.0	0.0
1,001 – 6,000	149	2.0	72	1.2	0	0.0	0.0
6,001 – 50,000	609	8.1	331	5.3	1	2.9	0.3
50,001 – 100,000	137	1.8	81	1.3	1	2.9	1.2
100,001 – 1,000,000	167	2.2	99	1.6	1	2.9	1.0
1,000,001 or more	5	0.1	4	0.1	0	0.0	0.0
Place	**4,755**	**63.3**	**4,138**	**66.4**	**23**	**65.7**	**0.6**
1,000 or fewer	1,977	26.3	1,803	28.9	15	42.9	0.8
1,001 – 6,000	1,557	20.7	1,395	22.4	6	17.1	0.4
6,001 – 50,000	1,073	14.3	835	13.4	2	5.7	0.2
50,001 – 100,000	86	1.1	62	1.0	0	0.0	0.0
100,001 – 1,000,000	59	0.8	40	0.6	0	0.0	0.0
1,000,001 or more	3	0.0	3	0.0	0	0.0	0.0
MCD	**1,623**	**21.6**	**1,452**	**23.3**	**9**	**25.7**	**0.6**
1,000 or fewer	666	8.9	610	9.8	6	17.1	1.0
1,001 – 6,000	753	10.0	677	10.9	3	8.6	0.4
6,001 – 50,000	204	2.7	165	2.6	0	0.0	0.0
50,001 – 100,000	0	0.0	0	0.0	0	0.0	0.0
100,001 – 1,000,000	0	0.0	0	0.0	0	0.0	0.0
1,000,001 or more	0	0.0	0	0.0	0	0.0	0.0
Total	**7,514**	**100.0**	**6,231**	**100.0**	**35**	**100.0**	
1,000 or fewer	2,677	35.6	2,442	39.2	21	60.0	0.9
1,001 – 6,000	2,469	32.9	2,151	34.5	9	25.7	0.4
6,001 – 50,000	1,890	25.2	1,335	21.4	3	8.6	0.2
50,001 – 100,000	223	3.0	143	2.3	1	2.9	0.7
100,001 – 1,000,000	232	3.1	144	2.3	1	2.9	0.7
1,000,001 or more	23	0.3	16	0.3	0	0.0	0.0
Total	**7,514**	**100.0**	**6,231**	**100.0**	**35**	**100.0**	
Option 1	6,231	82.9	6,231	100.0	35	100.0	0.6
Option 2	922	12.3	N/A	N/A	NA	NA	NA
Option 3	361	4.8	N/A	N/A	NA	NA	NA
Total	**7,514**	**100.0**	**6,231**	**100.0**	**35**	**100.0**	

Data Source: Geography Division.
* Government size is determined by the number of residential addresses in the MTdb at the beginning of the LUCA program.
Note: The sum of categories may not equal the total due to rounding.

Table 19. 2010 Census LUCA Characteristics of Option 1 Usable Address Count List and Address List Files Returned by Government Type and Size

Government Type Size*	Submitted Valid Block Challenges Only		Submitted Address Actions and Block Challenges		
	Total	% of Total	Total	% of Total Option 1	% Within Gov't Type, Size
State	**1**	**0.8**	**5**	**0.1**	**33.3**
1,000 or fewer	0	0.0	0	0.0	0.0
1,001 – 6,000	0	0.0	0	0.0	0.0
6,001 – 50,000	0	0.0	0	0.0	0.0
50,001 – 100,000	0	0.0	0	0.0	0.0
100,001 – 1,000,000	1	0.8	4	0.1	80.0
1,000,001 or more	0	0.0	1	0.0	11.1
AIR	**7**	**5.9**	**4**	**0.1**	**13.3**
1,000 or fewer	2	1.7	3	0.0	15.0
1,001 – 6,000	3	2.5	1	0.0	14.3
6,001 – 50,000	1	0.8	0	0.0	0.0
50,001 – 100,000	1	0.8	0	0.0	0.0
100,001 – 1,000,000	0	0.0	0	0.0	0.0
1,000,001 or more	0	0.0	0	0.0	0.0
County	**34**	**28.8**	**75**	**1.2**	**12.6**
1,000 or fewer	0	0.0	3	0.0	33.3
1,001 – 6,000	6	5.1	16	0.3	22.2
6,001 – 50,000	20	16.9	38	0.6	11.5
50,001 – 100,000	4	3.4	6	0.1	7.4
100,001 – 1,000,000	4	3.4	12	0.2	12.1
1,000,001 or more	0	0.0	0	0.0	0.0
Place	**56**	**47.5**	**692**	**11.1**	**16.7**
1,000 or fewer	23	19.5	378	6.1	21.0
1,001 – 6,000	11	9.3	209	3.4	15.0
6,001 – 50,000	20	16.9	92	1.5	11.0
50,001 – 100,000	1	0.8	11	0.2	17.7
100,001 – 1,000,000	1	0.8	2	0.0	5.0
1,000,001 or more	0	0.0	0	0.0	0.0
MCD	**20**	**16.9**	**134**	**2.2**	**9.2**
1,000 or fewer	10	8.5	77	1.2	12.6
1,001 – 6,000	8	6.8	49	0.8	7.2
6,001 – 50,000	2	1.7	8	0.1	4.8
50,001 – 100,000	0	0.0	0	0.0	0.0
100,001 – 1,000,000	0	0.0	0	0.0	0.0
1,000,001 or more	0	0.0	0	0.0	0.0
Total	**118**	**100.0**	**910**	**14.6**	
1,000 or fewer	35	29.7	461	7.4	18.9
1,001 – 6,000	28	23.7	275	4.4	12.8
6,001 – 50,000	43	36.4	138	2.2	10.3
50,001 – 100,000	6	5.1	17	0.3	11.9
100,001 – 1,000,000	6	5.1	18	0.3	12.5
1,000,001 or more	0	0.0	1	0.0	6.3
Total	**118**	**100.0**	**910**	**14.6**	

Data Source: Geography Division.
* Government size is determined by the number of residential addresses in the MTdb at the beginning of the LUCA program.
Note: The sum of categories may not equal the total due to rounding.

Table 20. 2010 Census LUCA Total Spatial Updates Submitted by Government Type, Size, and Option

Government Type Size* Option	Total Spatial Updates Submitted		Total Feature Updates Submitted			Total BAS Updates Submitted			Total Feature and BAS Updates Submitted		
	Total	% of Total	Total	% of Total	% Within Gov't Type, Size	Total	% of Total	% Within Gov't Type, Size	Total	% of Total	% Within Gov't Type, Size
State	**5**	**0.1**	**5**	**0.1**	**100.0**	**N/A**	**N/A**	**N/A**	**N/A**	**N/A**	**N/A**
1,000 or fewer	0	0.0	0	0.0	0.0	N/A	N/A	N/A	N/A	N/A	N/A
1,001 – 6,000	0	0.0	0	0.0	0.0	N/A	N/A	N/A	N/A	N/A	N/A
6,001 – 50,000	0	0.0	0	0.0	0.0	N/A	N/A	N/A	N/A	N/A	N/A
50,001 – 100,000	0	0.0	0	0.0	0.0	N/A	N/A	N/A	N/A	N/A	N/A
100,001 – 1,000,000	2	0.0	2	0.0	100.0	N/A	N/A	N/A	N/A	N/A	N/A
1,000,001 or more	3	0.1	3	0.1	100.0	N/A	N/A	N/A	N/A	N/A	N/A
AIR	**20**	**0.4**	**16**	**0.3**	**80.0**	**2**	**0.0**	**10.0**	**2**	**0.0**	10.0
1,000 or fewer	13	0.2	10	0.2	76.9	2	0.0	15.4	1	0.0	7.7
1,001 – 6,000	4	0.1	4	0.1	100.0	0	0.0	0.0	0	0.0	0.0
6,001 – 50,000	2	0.0	1	0.0	50.0	0	0.0	0.0	1	0.0	50.0
50,001 – 100,000	1	0.0	1	0.0	100.0	0	0.0	0.0	0	0.0	0.0
100,001 – 1,000,000	0	0.0	0	0.0	0.0	0	0.0	0.0	0	0.0	0.0
1,000,001 or more	0	0.0	0	0.0	0.0	0	0.0	0.0	0	0.0	0.0
County	**563**	**10.8**	**406**	**7.8**	**72.1**	**39**	**0.7**	**6.9**	**118**	**2.3**	21.0
1,000 or fewer	4	0.1	3	0.1	75.0	1	0.0	25.0	0	0.0	0.0
1,001 – 6,000	88	1.7	74	1.4	84.1	2	0.0	2.3	12	0.2	13.6
6,001 – 50,000	330	6.3	232	4.4	70.3	20	0.4	6.1	78	1.5	23.6
50,001 – 100,000	73	1.4	50	1.0	68.5	8	0.2	11.0	15	0.3	20.5
100,001 – 1,000,000	66	1.3	45	0.9	68.2	8	0.2	12.1	13	0.2	19.7
1,000,001 or more	2	0.0	2	0.0	100.0	0	0.0	0.0	0	0.0	0.0
Place	**3,372**	**64.4**	**1,793**	**34.2**	**53.2**	**410**	**7.8**	**12.2**	**1,169**	**22.3**	**34.7**
1,000 or fewer	1,353	25.8	725	13.8	53.6	167	3.2	12.3	461	8.8	34.1
1,001 – 6,000	1,214	23.2	624	11.9	51.4	130	2.5	10.7	460	8.8	37.9
6,001 – 50,000	726	13.9	393	7.5	54.1	101	1.9	13.9	232	4.4	32.0
50,001 – 100,000	48	0.9	32	0.6	66.7	7	0.1	14.6	9	0.2	18.8
100,001 – 1,000,000	30	0.6	18	0.3	60.0	5	0.1	16.7	7	0.1	23.3
1,000,001 or more	1	0.0	1	0.0	100.0	0	0.0	0.0	0	0.0	0.0
MCD	**1,277**	**24.4**	**1,149**	**21.9**	**90.0**	**15**	**0.3**	**1.2**	**113**	**2.2**	8.8
1,000 or fewer	445	8.5	389	7.4	87.4	7	0.1	1.6	49	0.9	11.0
1,001 – 6,000	647	12.4	593	11.3	91.7	7	0.1	1.1	47	0.9	7.3
6,001 – 50,000	185	3.5	167	3.2	90.3	1	0.0	0.5	17	0.3	9.2
50,001 – 100,000	0	0.0	0	0.0	0.0	0	0.0	0.0	0	0.0	0.0
100,001 – 1,000,000	0	0.0	0	0.0	0.0	0	0.0	0.0	0	0.0	0.0
1,000,001 or more	0	0.0	0	0.0	0.0	0	0.0	0.0	0	0.0	0.0
Total	**5,237**	**100.0**	**3,369**	**64.3**		**466**	**8.9**		**1,402**	**26.8**	
1,000 or fewer	1,815	34.7	1,127	21.5	62.1	177	3.4	9.8	511	9.8	28.2
1,001 – 6,000	1,953	37.3	1,295	24.7	66.3	139	2.7	7.1	519	9.9	26.6
6,001 – 50,000	1,243	23.7	793	15.1	63.8	122	2.3	9.8	328	6.3	26.4
50,001 – 100,000	122	2.3	83	1.6	68.0	15	0.3	12.3	24	0.5	19.7
100,001 – 1,000,000	98	1.9	65	1.2	66.3	13	0.2	13.3	20	0.4	20.4
1,000,001 or more	6	0.1	6	0.1	100.0	0	0.0	0.0	0	0.0	0.0
Total	**5,237**	**100.0**	**3,369**	**64.3**		**466**	**8.9**		**1,402**	**26.8**	
Option 1	4,389	83.8	2,847	54.4	64.9	364	7.0	8.3	1,178	22.5	26.8
Option 2	507	9.7	303	5.8	59.8	73	1.4	14.4	131	2.5	25.8
Option 3	341	6.5	219	4.2	64.2	29	0.6	8.5	93	1.8	27.3
Total	**5,237**	**100.0**	**3,369**	**64.3**		**466**	**8.9**		**1,402**	**26.8**	

Data Source: Geography Division.
N/A – Not Applicable
* Government size is determined by the number of residential addresses in the MTdb at the beginning of the LUCA program.
Note: The sum of categories may not equal the total due to rounding.

Table 21. 2010 Census LUCA Total Spatial Updates Submitted by Media Type by Government Type, Size, and Option

Government Type Size* Option	Total Spatial Updates Submitted		Media Type								
			Paper			Shapefiles			MTPS		
	Total	% of Total	Total Paper	% of Total	% Within Gov't Type, Size	Total Shapefiles	% of Total	% Within Gov't Type, Size	Total MTPS	% of Total	% Within Gov't Type, Size
State	**5**	**0.1**	**N/A**	**N/A**	**N/A**	**3**	**0.1**	**60.0**	**2**	**0.0**	**40.0**
1,000 or fewer	0	0.0	N/A	N/A	N/A	0	0.0	0.0	0	0.0	0.0
1,001 – 6,000	0	0.0	N/A	N/A	N/A	0	0.0	0.0	0	0.0	0.0
6,001 – 50,000	0	0.0	N/A	N/A	N/A	0	0.0	0.0	0	0.0	0.0
50,001 – 100,000	0	0.0	N/A	N/A	N/A	0	0.0	0.0	0	0.0	0.0
100,001 – 1,000,000	2	0.0	N/A	N/A	N/A	2	0.0	100.0	0	0.0	0.0
1,000,001 or more	3	0.1	N/A	N/A	N/A	1	0.0	33.3	2	0.0	66.7
AIR	**20**	**0.4**	**13**	**0.2**	**65.0**	**1**	**0.0**	**5.0**	**6**	**0.1**	**30.0**
1,000 or fewer	13	0.2	9	0.2	69.2	1	0.0	7.7	3	0.1	23.1
1,001 – 6,000	4	0.1	2	0.0	50.0	0	0.0	0.0	2	0.0	50.0
6,001 – 50,000	2	0.0	1	0.0	50.0	0	0.0	0.0	1	0.0	50.0
50,001 – 100,000	1	0.0	1	0.0	100.0	0	0.0	0.0	0	0.0	0.0
100,001 – 1,000,000	0	0.0	0	0.0	0.0	0	0.0	0.0	0	0.0	0.0
1,000,001 or more	0	0.0	0	0.0	0.0	0	0.0	0.0	0	0.0	0.0
County	**563**	**10.8**	**168**	**3.2**	**29.8**	**245**	**4.7**	**43.5**	**150**	**2.9**	**26.6**
1,000 or fewer	4	0.1	4	0.1	100.0	0	0.0	0.0	0	0.0	0.0
1,001 – 6,000	88	1.7	60	1.1	68.2	13	0.2	14.8	15	0.3	17.0
6,001 – 50,000	330	6.3	93	1.8	28.2	149	2.8	45.2	88	1.7	26.7
50,001 – 100,000	73	1.4	5	0.1	6.8	38	0.7	52.1	30	0.6	41.1
100,001 – 1,000,000	66	1.3	6	0.1	9.1	43	0.8	65.2	17	0.3	25.8
1,000,001 or more	2	0.0	0	0.0	0.0	2	0.0	100.0	0	0.0	0.0
Place	**3,372**	**64.4**	**2,414**	**46.1**	**71.6**	**475**	**9.1**	**14.1**	**483**	**9.2**	**14.3**
1,000 or fewer	1,353	25.8	1,262	24.1	93.3	35	0.7	2.6	56	1.1	4.1
1,001 – 6,000	1,214	23.2	927	17.7	76.4	131	2.5	10.8	156	3.0	12.9
6,001 – 50,000	726	13.9	217	4.1	29.9	266	5.1	36.6	243	4.6	33.5
50,001 – 100,000	48	0.9	5	0.1	10.4	25	0.5	52.1	18	0.3	37.5
100,001 – 1,000,000	30	0.6	3	0.1	10.0	17	0.3	56.7	10	0.2	33.3
1,000,001 or more	1	0.0	0	0.0	0.0	1	0.0	100.0	0	0.0	0.0
MCD	**1,277**	**24.4**	**1,097**	**20.9**	**85.9**	**77**	**1.5**	**6.0**	**103**	**2.0**	**8.1**
1,000 or fewer	445	8.5	428	8.2	96.2	6	0.1	1.3	11	0.2	2.5
1,001 – 6,000	647	12.4	560	10.7	86.6	36	0.7	5.6	51	1.0	7.9
6,001 – 50,000	185	3.5	109	2.1	58.9	35	0.7	18.9	41	0.8	22.2
50,001 – 100,000	0	0.0	0	0.0	0.0	0	0.0	0.0	0	0.0	0.0
100,001 – 1,000,000	0	0.0	0	0.0	0.0	0	0.0	0.0	0	0.0	0.0
1,000,001 or more	0	0.0	0	0.0	0.0	0	0.0	0.0	0	0.0	0.0
Total	**5,237**	**100.0**	**3,692**	**70.5**		**801**	**15.3**		**744**	**14.2**	
1,000 or fewer	1,815	34.7	1,703	32.5	93.8	42	0.8	2.3	70	1.3	3.9
1,001 – 6,000	1,953	37.3	1,549	29.6	79.3	180	3.4	9.2	224	4.3	11.5
6,001 – 50,000	1,243	23.7	420	8.0	33.8	450	8.6	36.2	373	7.1	30.0
50,001 – 100,000	122	2.3	11	0.2	9.0	63	1.2	51.6	48	0.9	39.3
100,001 – 1,000,000	98	1.9	9	0.2	9.2	62	1.2	63.3	27	0.5	27.6
1,000,001 or more	6	0.1	0	0.0	0.0	4	0.1	66.7	2	0.0	33.3
Total	**5,237**	**100.0**	**3,692**	**70.5**		**801**	**15.3**		**744**	**14.2**	
Option 1	4,389	83.8	3,179	60.7	72.4	556	10.6	12.7	654	12.5	14.9
Option 2	507	9.7	251	4.8	49.5	191	3.6	37.7	65	1.2	12.8
Option 3	341	6.5	262	5.0	76.8	54	1.0	15.8	25	0.5	7.3
Total	**5,237**	**100.0**	**3,692**	**70.5**		**801**	**15.3**		**744**	**14.2**	

Data Source: Geography Division.
N/A – Not Applicable
* Government size is determined by the number of residential addresses in the MTdb at the beginning of the LUCA program.
Note: The sum of categories may not equal the total due to rounding.

Table 22. 2010 Census LUCA Feature Updates Only and Media Type by Government Type, Size, and Option

Government Type Size* Option	Total Feature Updates Submitted		Media Type								
			Paper			Shapefiles			MTPS		
	Total	% of Total	Total Paper	% of Total	% Within Gov't Type, Size	Total Shapefiles	% of Total	% Within Gov't Type, Size	Total MTPS	% of Total	% Within Gov't Type, Size
State	**5**	**0.1**	**0**	**0.0**	**0.0**	**3**	**0.1**	**60.0**	**2**	**0.1**	**40.0**
1,000 or fewer	0	0.0	0	0.0	0.0	0	0.0	0.0	0	0.0	0.0
1,001 – 6,000	0	0.0	0	0.0	0.0	0	0.0	0.0	0	0.0	0.0
6,001 – 50,000	0	0.0	0	0.0	0.0	0	0.0	0.0	0	0.0	0.0
50,001 – 100,000	0	0.0	0	0.0	0.0	0	0.0	0.0	0	0.0	0.0
100,001 – 1,000,000	2	0.1	0	0.0	0.0	2	0.1	100.0	0	0.0	0.0
1,000,001 or more	3	0.1	0	0.0	0.0	1	0.0	33.3	2	0.1	66.7
AIR	**16**	**0.5**	**10**	**0.3**	**62.5**	**1**	**0.0**	**6.3**	**5**	**0.1**	**31.3**
1,000 or fewer	10	0.3	7	0.2	70.0	1	0.0	10.0	2	0.1	20.0
1,001 – 6,000	4	0.1	2	0.1	50.0	0	0.0	0.0	2	0.1	50.0
6,001 – 50,000	1	0.0	0	0.0	0.0	0	0.0	0.0	1	0.0	100.0
50,001 – 100,000	1	0.0	1	0.0	100.0	0	0.0	0.0	0	0.0	0.0
100,001 – 1,000,000	0	0.0	0	0.0	0.0	0	0.0	0.0	0	0.0	0.0
1,000,001 or more	0	0.0	0	0.0	0.0	0	0.0	0.0	0	0.0	0.0
County	**406**	**12.1**	**121**	**3.6**	**29.8**	**171**	**5.1**	**42.1**	**114**	**3.4**	**28.1**
1,000 or fewer	3	0.1	3	0.1	100.0	0	0.0	0.0	0	0.0	0.0
1,001 – 6,000	74	2.2	50	1.5	67.6	11	0.3	14.9	13	0.4	17.6
6,001 – 50,000	232	6.9	61	1.8	26.3	106	3.1	45.7	65	1.9	28.0
50,001 – 100,000	50	1.5	3	0.1	6.0	25	0.7	50.0	22	0.7	44.0
100,001 – 1,000,000	45	1.3	4	0.1	8.9	27	0.8	60.0	14	0.4	31.1
1,000,001 or more	2	0.1	0	0.0	0.0	2	0.1	100.0	0	0.0	0.0
Place	**1,793**	**53.2**	**1,236**	**36.7**	**68.9**	**274**	**8.1**	**15.3**	**283**	**8.4**	**15.8**
1,000 or fewer	725	21.5	674	20.0	93.0	25	0.7	3.4	26	0.8	3.6
1,001 – 6,000	624	18.5	456	13.5	73.1	71	2.1	11.4	97	2.9	15.5
6,001 – 50,000	393	11.7	104	3.1	26.5	145	4.3	36.9	144	4.3	36.6
50,001 – 100,000	32	0.9	2	0.1	6.3	19	0.6	59.4	11	0.3	34.4
100,001 – 1,000,000	18	0.5	0	0.0	0.0	13	0.4	72.2	5	0.1	27.8
1,000,001 or more	1	0.0	0	0.0	0.0	1	0.0	100.0	0	0.0	0.0
MCD	**1,149**	**34.1**	**980**	**29.1**	**85.3**	**73**	**2.2**	**6.4**	**96**	**2.8**	**8.4**
1,000 or fewer	389	11.5	375	11.1	96.4	5	0.1	1.3	9	0.3	2.3
1,001 – 6,000	593	17.6	510	15.1	86.0	35	1.0	5.9	48	1.4	8.1
6,001 – 50,000	167	5.0	95	2.8	56.9	33	1.0	19.8	39	1.2	23.4
50,001 – 100,000	0	0.0	0	0.0	0.0	0	0.0	0.0	0	0.0	0.0
100,001 – 1,000,000	0	0.0	0	0.0	0.0	0	0.0	0.0	0	0.0	0.0
1,000,001 or more	0	0.0	0	0.0	0.0	0	0.0	0.0	0	0.0	0.0
Total	**3,369**	**100.0**	**2,347**	**69.7**		**522**	**15.5**		**500**	**14.8**	
1,000 or fewer	1,127	33.5	1,059	31.4	94.0	31	0.9	2.8	37	1.1	3.3
1,001 – 6,000	1,295	38.4	1,018	30.2	78.6	117	3.5	9.0	160	4.7	12.4
6,001 – 50,000	793	23.5	260	7.7	32.8	284	8.4	35.8	249	7.4	31.4
50,001 – 100,000	83	2.5	6	0.2	7.2	44	1.3	53.0	33	1.0	39.8
100,001 – 1,000,000	65	1.9	4	0.1	6.2	42	1.2	64.6	19	0.6	29.2
1,000,001 or more	6	0.2	0	0.0	0.0	4	0.1	66.7	2	0.1	33.3
Total	**3,369**	**100.0**	**2,347**	**69.7**		**522**	**15.5**		**500**	**14.8**	
Option 1	2,847	84.5	2,024	60.1	71.1	371	11.0	13.0	452	13.4	15.9
Option 2	303	9.0	153	4.5	50.5	116	3.4	38.3	34	1.0	11.2
Option 3	219	6.5	170	5.0	77.6	35	1.0	16.0	14	0.4	6.4
Total	**3,369**	**100.0**	**2,347**	**69.7**		**522**	**15.5**		**500**	**14.8**	

Data Source: Geography Division.
N/A – Not Applicable
* Government size is determined by the number of residential addresses in the MTdb at the beginning of the LUCA program.
Note: The sum of categories may not equal the total due to rounding.

Table 23. 2010 Census LUCA Boundary Updates Only and Media Type by Government Type, Size, and Option

Government Type Size* Option	Total BAS Updates Submitted		Media Type								
			Paper			Shapefiles			MTPS		
	Total	% of Total	Total Paper	% of Total	% Within Gov't Type, Size	Total Shapefiles	% of Total	% Within Gov't Type, Size	Total MTPS	% of Total	% Within Gov't Type, Size
State	**N/A**	**N/A**	**N/A**	**N/A**	**N/A**	**N/A**	**N/A**	**N/A**	**N/A**	**N/A**	**N/A**
1,000 or fewer	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
1,001 – 6,000	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
6,001 – 50,000	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
50,001 – 100,000	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
100,001 – 1,000,000	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
1,000,001 or more	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
AIR	**2**	**0.4**	**2**	**0.4**	**100.0**	**0**	**0.0**	**0.0**	**0**	**0.0**	**0.0**
1,000 or fewer	2	0.4	2	0.4	100.0	0	0.0	0.0	0	0.0	0.0
1,001 – 6,000	0	0.0	0	0.0	0.0	0	0.0	0.0	0	0.0	0.0
6,001 – 50,000	0	0.0	0	0.0	0.0	0	0.0	0.0	0	0.0	0.0
50,001 – 100,000	0	0.0	0	0.0	0.0	0	0.0	0.0	0	0.0	0.0
100,001 – 1,000,000	0	0.0	0	0.0	0.0	0	0.0	0.0	0	0.0	0.0
1,000,001 or more	0	0.0	0	0.0	0.0	0	0.0	0.0	0	0.0	0.0
County	**39**	**8.4**	**5**	**1.1**	**12.8**	**23**	**4.9**	**59.0**	**11**	**2.4**	**28.2**
1,000 or fewer	1	0.2	1	0.2	100.0	0	0.0	0.0	0	0.0	0.0
1,001 – 6,000	2	0.4	1	0.2	50.0	1	0.2	50.0	0	0.0	0.0
6,001 – 50,000	20	4.3	2	0.4	10.0	11	2.4	55.0	7	1.5	35.0
50,001 – 100,000	8	1.7	0	0.0	0.0	5	1.1	62.5	3	0.6	37.5
100,001 – 1,000,000	8	1.7	1	0.2	12.5	6	1.3	75.0	1	0.2	12.5
1,000,001 or more	0	0.0	0	0.0	0.0	0	0.0	0.0	0	0.0	0.0
Place	**410**	**88.0**	**259**	**55.6**	**63.2**	**80**	**17.2**	**19.5**	**71**	**15.2**	**17.3**
1,000 or fewer	167	35.8	148	31.8	88.6	5	1.1	3.0	14	3.0	8.4
1,001 – 6,000	130	27.9	86	18.5	66.2	26	5.6	20.0	18	3.9	13.8
6,001 – 50,000	101	21.7	24	5.2	23.8	44	9.4	43.6	33	7.1	32.7
50,001 – 100,000	7	1.5	1	0.2	14.3	4	0.9	57.1	2	0.4	28.6
100,001 – 1,000,000	5	1.1	0	0.0	0.0	1	0.2	20.0	4	0.9	80.0
1,000,001 or more	0	0.0	0	0.0	0.0	0	0.0	0.0	0	0.0	0.0
MCD	**15**	**3.2**	**11**	**2.4**	**73.3**	**2**	**0.4**	13.3	**2**	**0.4**	**13.3**
1,000 or fewer	7	1.5	6	1.3	85.7	1	0.2	14.3	0	0.0	0.0
1,001 – 6,000	7	1.5	4	0.9	57.1	1	0.2	14.3	2	0.4	28.6
6,001 – 50,000	1	0.2	1	0.2	100.0	0	0.0	0.0	0	0.0	0.0
50,001 – 100,000	0	0.0	0	0.0	0.0	0	0.0	0.0	0	0.0	0.0
100,001 – 1,000,000	0	0.0	0	0.0	0.0	0	0.0	0.0	0	0.0	0.0
1,000,001 or more	0	0.0	0	0.0	0.0	0	0.0	0.0	0	0.0	0.0
Total	**466**	**100.0**	**277**	**59.4**		**105**	**22.5**		**84**	**18.0**	
1,000 or fewer	177	38.0	157	33.7	88.7	6	1.3	3.4	14	3.0	7.9
1,001 – 6,000	139	29.8	91	19.5	65.5	28	6.0	20.1	20	4.3	14.4
6,001 – 50,000	122	26.2	27	5.8	22.1	55	11.8	45.1	40	8.6	32.8
50,001 – 100,000	15	3.2	1	0.2	6.7	9	1.9	60.0	5	1.1	33.3
100,001 – 1,000,000	13	2.8	1	0.2	7.7	7	1.5	53.8	5	1.1	38.5
1,000,001 or more	0	0.0	0	0.0	0.0	0	0.0	0.0	0	0.0	0.0
Total	**466**	**100.0**	**277**	**59.4**		**105**	**22.5**		**84**	**18.0**	
Option 1	364	78.1	225	48.3	61.8	71	15.2	19.5	68	14.6	18.7
Option 2	73	15.7	34	7.3	46.6	28	6.0	38.4	11	2.4	15.1
Option 3	29	6.2	18	3.9	62.1	6	1.3	20.7	5	1.1	17.2
Total	**466**	**100.0**	**277**	**59.4**		**105**	**22.5**		**84**	**18.0**	

Data Source: Geography Division.
* Government size is determined by the number of residential addresses in the MTdb at the beginning of the LUCA program.
Note: The sum of categories may not equal the total due to rounding.

Table 24. 2010 Census LUCA Feature and Boundary (BAS) Updates by Government Type, Size, and Option

Government Type Size* Option	Total Feature and BAS Updates Submitted		Media Type								
			Paper			Shapefiles			MTPS		
	Total	% of Total	Total Paper	% of Total	% Within Gov't Type, Size	Total Shapefiles	% of Total	% Within Gov't Type, Size	Total MTPS	% of Total	% Within Gov't Type, Size
State	**N/A**	**N/A**	**N/A**	**N/A**	**N/A**	**N/A**	**N/A**	**N/A**	**N/A**	**N/A**	**N/A**
1,000 or fewer	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
1,001 – 6,000	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
6,001 – 50,000	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
50,001 – 100,000	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
100,001 – 1,000,000	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
1,000,001 or more	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
AIR	**2**	**0.1**	**1**	**0.1**	**50.0**	**0**	**0.0**	**0.0**	**1**	**0.1**	**50.0**
1,000 or fewer	1	0.1	0	0.0	0.0	0	0.0	0.0	1	0.1	100.0
1,001 – 6,000	0	0.0	0	0.0	0.0	0	0.0	0.0	0	0.0	0.0
6,001 – 50,000	1	0.1	1	0.1	100.0	0	0.0	0.0	0	0.0	0.0
50,001 – 100,000	0	0.0	0	0.0	0.0	0	0.0	0.0	0	0.0	0.0
100,001 – 1,000,000	0	0.0	0	0.0	0.0	0	0.0	0.0	0	0.0	0.0
1,000,001 or more	0	0.0	0	0.0	0.0	0	0.0	0.0	0	0.0	0.0
County	**118**	**8.4**	**42**	**3.0**	**35.6**	**51**	**3.6**	**43.2**	**25**	**1.8**	**21.2**
1,000 or fewer	0	0.0	0	0.0	0.0	0	0.0	0.0	0	0.0	0.0
1,001 – 6,000	12	0.9	9	0.6	75.0	1	0.1	8.3	2	0.1	16.7
6,001 – 50,000	78	5.6	30	2.1	38.5	32	2.3	41.0	16	1.1	20.5
50,001 – 100,000	15	1.1	2	0.1	13.3	8	0.6	53.3	5	0.4	33.3
100,001 – 1,000,000	13	0.9	1	0.1	7.7	10	0.7	76.9	2	0.1	15.4
1,000,001 or more	0	0.0	0	0.0	0.0	0	0.0	0.0	0	0.0	0.0
Place	**1,169**	**83.4**	**919**	**65.5**	**78.6**	**121**	**8.6**	**10.4**	**129**	**9.2**	**11.0**
1,000 or fewer	461	32.9	440	31.4	95.4	5	0.4	1.1	16	1.1	3.5
1,001 – 6,000	460	32.8	385	27.5	83.7	34	2.4	7.4	41	2.9	8.9
6,001 – 50,000	232	16.5	89	6.3	38.4	77	5.5	33.2	66	4.7	28.4
50,001 – 100,000	9	0.6	2	0.1	22.2	2	0.1	22.2	5	0.4	55.6
100,001 – 1,000,000	7	0.5	3	0.2	42.9	3	0.2	42.9	1	0.1	14.3
1,000,001 or more	0	0.0	0	0.0	0.0	0	0.0	0.0	0	0.0	0.0
MCD	**113**	**8.1**	**106**	**7.6**	**93.8**	**2**	**0.1**	**1.8**	**5**	**0.4**	**4.4**
1,000 or fewer	49	3.5	47	3.4	95.9	0	0.0	0.0	2	0.1	4.1
1,001 – 6,000	47	3.4	46	3.3	97.9	0	0.0	0.0	1	0.1	2.1
6,001 – 50,000	17	1.2	13	0.9	76.5	2	0.1	11.8	2	0.1	11.8
50,001 – 100,000	0	0.0	0	0.0	0.0	0	0.0	0.0	0	0.0	0.0
100,001 – 1,000,000	0	0.0	0	0.0	0.0	0	0.0	0.0	0	0.0	0.0
1,000,001 or more	0	0.0	0	0.0	0.0	0	0.0	0.0	0	0.0	0.0
Total	**1,402**	**100.0**	**1,068**	**76.2**		**174**	**12.4**		**160**	**11.4**	
1,000 or fewer	511	36.4	487	34.7	95.3	5	0.4	1.0	19	1.4	3.7
1,001 – 6,000	519	37.0	440	31.4	84.8	35	2.5	6.7	44	3.1	8.5
6,001 – 50,000	328	23.4	133	9.5	40.5	111	7.9	33.8	84	6.0	25.6
50,001 – 100,000	24	1.7	4	0.3	16.7	10	0.7	41.7	10	0.7	41.7
100,001 – 1,000,000	20	1.4	4	0.3	20.0	13	0.9	65.0	3	0.2	15.0
1,000,001 or more	0	0.0	0	0.0	0.0	0	0.0	0.0	0	0.0	0.0
Total	**1,402**	**100.0**	**1,068**	**76.2**		**174**	**12.4**		**160**	**11.4**	
Option 1	1,178	84.0	930	66.3	78.9	114	8.1	9.7	134	9.6	11.4
Option 2	131	9.3	64	4.6	48.9	47	3.4	35.9	20	1.4	15.3
Option 3	93	6.6	74	5.3	79.6	13	0.9	14.0	6	0.4	6.5
Total	**1,402**	**100.0**	**1,068**	**76.2**		**174**	**12.4**		**160**	**11.4**	

Data Source: Geography Division.
N/A – Not Applicable
* Government size is determined by the number of residential addresses in the MTdb at the beginning of the LUCA program.
Note: The sum of categories may not equal the total due to rounding.

Table 25. 2010 Census LUCA Closeout Letter and Responses by Government Type, Size, and Option

Government Type Size* Option	Total Mailout		Responders								
			Total Responders to Mailout			"a" Responders Agreed with Census Bureau			Responded With Reason(s)		
	Total	% of Total	Total	% of Total	% Within Gov't Type, Size	Total "a"	% of Total	% Within Gov't Type, Size	Total Respond	% of Total	% Within Gov't Type, Size
State	**5**	**0.2**	**3**	**0.1**	**60.0**	**0**	**0.0**	**0.0**	**3**	**0.1**	**100.0**
1,000 or fewer	0	0.0	0	0.0	0.0	0	0.0	0.0	0	0.0	0.0
1,001 – 6,000	0	0.0	0	0.0	0.0	0	0.0	0.0	0	0.0	0.0
6,001 – 50,000	0	0.0	0	0.0	0.0	0	0.0	0.0	0	0.0	0.0
50,001 – 100,000	0	0.0	0	0.0	0.0	0	0.0	0.0	0	0.0	0.0
100,001 – 1,000,000	1	0.0	1	0.0	100.0	0	0.0	0.0	1	0.0	100.0
1,000,001 or more	4	0.1	2	0.1	50.0	0	0.0	0.0	2	0.1	100.0
AIR	**62**	**2.1**	**33**	**1.4**	**53.2**	**16**	**0.7**	**48.5**	**17**	**0.7**	**51.5**
1,000 or fewer	45	1.5	24	1.0	53.3	12	0.5	50.0	12	0.5	50.0
1,001 – 6,000	13	0.4	7	0.3	53.8	3	0.1	42.9	4	0.2	57.1
6,001 – 50,000	4	0.1	2	0.1	50.0	1	0.0	50.0	1	0.0	50.0
50,001 – 100,000	0	0.0	0	0.0	0.0	0	0.0	0.0	0	0.0	0.0
100,001 – 1,000,000	0	0.0	0	0.0	0.0	0	0.0	0.0	0	0.0	0.0
1,000,001 or more	0	0.0	0	0.0	0.0	0	0.0	0.0	0	0.0	0.0
County	**359**	**12.1**	**278**	**11.7**	**77.4**	**59**	**2.5**	**21.2**	**219**	**9.2**	**78.8**
1,000 or fewer	7	0.2	5	0.2	71.4	1	0.0	20.0	4	0.2	80.0
1,001 – 6,000	85	2.9	63	2.7	74.1	14	0.6	22.2	49	2.1	77.8
6,001 – 50,000	230	7.8	181	7.6	78.7	40	1.7	22.1	141	6.0	77.9
50,001 – 100,000	24	0.8	19	0.8	79.2	3	0.1	15.8	16	0.7	84.2
100,001 – 1,000,000	13	0.4	10	0.4	76.9	1	0.0	10.0	9	0.4	90.0
1,000,001 or more	0	0.0	0	0.0	0.0	0	0.0	0.0	0	0.0	0.0
Place	**1,762**	**59.6**	**1,424**	**60.1**	**80.8**	**377**	**15.9**	**26.5**	**1,047**	**44.2**	**73.5**
1,000 or fewer	846	28.6	685	28.9	81.0	172	7.3	25.1	513	21.7	74.9
1,001 – 6,000	630	21.3	508	21.5	80.6	138	5.8	27.2	370	15.6	72.8
6,001 – 50,000	271	9.2	219	9.2	80.8	66	2.8	30.1	153	6.5	69.9
50,001 – 100,000	11	0.4	8	0.3	72.7	1	0.0	12.5	7	0.3	87.5
100,001 – 1,000,000	4	0.1	4	0.2	100.0	0	0.0	0.0	4	0.2	100.0
1,000,001 or more	0	0.0	0	0.0	0.0	0	0.0	0.0	0	0.0	0.0
MCD	**770**	**26.0**	**630**	**26.6**	**81.8**	**149**	**6.3**	**23.7**	**481**	**20.3**	**76.3**
1,000 or fewer	365	12.3	303	12.8	83.0	86	3.6	28.4	217	9.2	71.6
1,001 – 6,000	306	10.3	251	10.6	82.0	49	2.1	19.5	202	8.5	80.5
6,001 – 50,000	98	3.3	76	3.2	77.6	14	0.6	18.4	62	2.6	81.6
50,001 – 100,000	1	0.0	0	0.0	0.0	0	0.0	0.0	0	0.0	0.0
100,001 – 1,000,000	0	0.0	0	0.0	0.0	0	0.0	0.0	0	0.0	0.0
1,000,001 or more	0	0.0	0	0.0	0.0	0	0.0	0.0	0	0.0	0.0
Total	**2,958**	**100.0**	**2,368**	**100.0**		**601**	**25.4**		**1,767**	**74.6**	
1,000 or fewer	1,263	42.7	1,017	42.9	80.5	271	11.4	26.6	746	31.5	73.4
1,001 – 6,000	1,034	35.0	829	35.0	80.2	204	8.6	24.6	625	26.4	75.4
6,001 – 50,000	603	20.4	478	20.2	79.3	121	5.1	25.3	357	15.1	74.7
50,001 – 100,000	36	1.2	27	1.1	75.0	4	0.2	14.8	23	1.0	85.2
100,001 – 1,000,000	18	0.6	15	0.6	83.3	1	0.0	6.7	14	0.6	93.3
1,000,001 or more	4	0.1	2	0.1	50.0	0	0.0	0.0	2	0.1	100.0
Total	**2,958**	**100.0**	**2,368**	**100.0**		**601**	**25.4**		**1,767**	**74.6**	
Option 1	2,206	74.6	1,746	73.7	79.1	453	19.1	25.9	1,293	54.6	74.1
Option 2	344	11.6	271	11.4	78.8	67	2.8	24.7	204	8.6	75.3
Option 3	408	13.8	351	14.8	86.0	81	3.4	23.1	270	11.4	76.9
Total	**2,958**	**100.0**	**2,368**	**100.0**		**601**	**25.4**		**1,767**	**74.6**	

Data Source: Geography Division.

* Government size is determined by the number of residential addresses in the MTdb at the beginning of the LUCA program.

Note: The sum of categories may not equal the total due to rounding.

Table 26. 2010 Census LUCA Closeout Letter "a" Respondents Request for Feedback Materials by Government Type, Size, and Option

Government Type Size* Option	"a" Responders Agreed with Census Bureau		Requested Feedback Materials			Did Not Request Feedback Materials		
	Total	% of Total	Total Request	% of Total Responders	% within gov't type, size	Total Did Not Request	% of Total Responders	% within gov't type, size
State	**0**	**0.0**	**0**	**0.0**	**0.0**	**0**	**0.0**	**0.0**
1,000 or fewer	0	0.0	0	0.0	0.0	0	0.0	0.0
1,001 – 6,000	0	0.0	0	0.0	0.0	0	0.0	0.0
6,001 – 50,000	0	0.0	0	0.0	0.0	0	0.0	0.0
50,001 – 100,000	0	0.0	0	0.0	0.0	0	0.0	0.0
100,001 – 1,000,000	0	0.0	0	0.0	0.0	0	0.0	0.0
1,000,001 or more	0	0.0	0	0.0	0.0	0	0.0	0.0
AIR	**16**	**2.7**	**12**	**2.0**	**75.0**	**4**	**0.7**	**25.0**
1,000 or fewer	12	2.0	9	1.5	75.0	3	0.5	25.0
1,001 – 6,000	3	0.5	2	0.3	66.7	1	0.2	33.3
6,001 – 50,000	1	0.2	1	0.2	100.0	0	0.0	0.0
50,001 – 100,000	0	0.0	0	0.0	0.0	0	0.0	0.0
100,001 – 1,000,000	0	0.0	0	0.0	0.0	0	0.0	0.0
1,000,001 or more	0	0.0	0	0.0	0.0	0	0.0	0.0
County	**59**	**9.8**	**40**	**6.7**	**67.8**	**19**	**3.2**	**32.2**
1,000 or fewer	1	0.2	1	0.2	100.0	0	0.0	0.0
1,001 – 6,000	14	2.3	5	0.8	35.7	9	1.5	64.3
6,001 – 50,000	40	6.7	30	5.0	75.0	10	1.7	25.0
50,001 – 100,000	3	0.5	3	0.5	100.0	0	0.0	0.0
100,001 – 1,000,000	1	0.2	1	0.2	100.0	0	0.0	0.0
1,000,001 or more	0	0.0	0	0.0	0.0	0	0.0	0.0
Place	**377**	**62.7**	**252**	**41.9**	**66.8**	**125**	**20.8**	**33.2**
1,000 or fewer	172	28.6	101	16.8	58.7	71	11.8	41.3
1,001 – 6,000	138	23.0	98	16.3	71.0	40	6.7	29.0
6,001 – 50,000	66	11.0	52	8.7	78.8	14	2.3	21.2
50,001 – 100,000	1	0.2	1	0.2	100.0	0	0.0	0.0
100,001 – 1,000,000	0	0.0	0	0.0	0.0	0	0.0	0.0
1,000,001 or more	0	0.0	0	0.0	0.0	0	0.0	0.0
MCD	**149**	**24.8**	**102**	**17.0**	**68.5**	**47**	**7.8**	**31.5**
1,000 or fewer	86	14.3	57	9.5	66.3	29	4.8	33.7
1,001 – 6,000	49	8.2	34	5.7	69.4	15	2.5	30.6
6,001 – 50,000	14	2.3	11	1.8	78.6	3	0.5	21.4
50,001 – 100,000	0	0.0	0	0.0	0.0	0	0.0	0.0
100,001 – 1,000,000	0	0.0	0	0.0	0.0	0	0.0	0.0
1,000,001 or more	0	0.0	0	0.0	0.0	0	0.0	0.0
Total	**601**	**100.0**	**406**	**67.6**		**195**	**32.4**	
1,000 or fewer	271	45.1	168	28.0	62.0	103	17.1	38.0
1,001 – 6,000	204	33.9	139	23.1	68.1	65	10.8	31.9
6,001 – 50,000	121	20.1	94	15.6	77.7	27	4.5	22.3
50,001 – 100,000	4	0.7	4	0.7	100.0	0	0.0	0.0
100,001 – 1,000,000	1	0.2	1	0.2	100.0	0	0.0	0.0
1,000,001 or more	0	0.0	0	0.0	0.0	0	0.0	0.0
Total	**601**	**100.0**	**406**	**67.6**		**195**	**32.4**	
Option 1	453	75.4	287	47.8	63.4	166	27.6	36.6
Option 2	67	11.1	38	6.3	56.7	29	4.8	43.3
Option 3	81	13.5	81	13.5	100.0	0	0.0	0.0
Total	**601**	**100.0**	**406**	**67.6**		**195**	**32.4**	

Data Source: Geography Division.

* Government size is determined by the number of residential addresses in the MTdb at the beginning of the LUCA program.

Note: The sum of categories may not equal the total due to rounding.

Table 27. 2010 Census LUCA Reasons for Not Returning Address Materials by Government Type, Size, and Option

Government Type Size* Option	Total Reasons	% of Total	Reasons: b. Insufficient Staff	% of Total	c. Lack of Funds	% of Total
State	**4**	**0.1**	**1**	**0.0**	**1**	**0.0**
1,000 or fewer	0	0.0	0	0.0	0	0.0
1,001 – 6,000	0	0.0	0	0.0	0	0.0
6,001 – 50,000	0	0.0	0	0.0	0	0.0
50,001 – 100,000	0	0.0	0	0.0	0	0.0
100,001 – 1,000,000	1	0.0	0	0.0	0	0.0
1,000,001 or more	3	0.1	1	0.0	1	0.0
AIR	**38**	**1.2**	**11**	**0.3**	**3**	**0.1**
1,000 or fewer	27	0.8	8	0.2	2	0.1
1,001 – 6,000	9	0.3	2	0.1	1	0.0
6,001 – 50,000	2	0.1	1	0.0	0	0.0
50,001 – 100,000	0	0.0	0	0.0	0	0.0
100,001 – 1,000,000	0	0.0	0	0.0	0	0.0
1,000,001 or more	0	0.0	0	0.0	0	0.0
County	**443**	**13.7**	**122**	**3.8**	**44**	**1.4**
1,000 or fewer	11	0.3	3	0.1	1	0.0
1,001 – 6,000	104	3.2	28	0.9	11	0.3
6,001 – 50,000	282	8.7	77	2.4	32	1.0
50,001 – 100,000	28	0.9	10	0.3	0	0.0
100,001 – 1,000,000	18	0.6	4	0.1	0	0.0
1,000,001 or more	0	0.0	0	0.0	0	0.0
Place	**1,866**	**57.7**	**549**	**17.0**	**130**	**4.0**
1,000 or fewer	910	28.1	270	8.4	66	2.0
1,001 – 6,000	669	20.7	198	6.1	41	1.3
6,001 – 50,000	271	8.4	77	2.4	23	0.7
50,001 – 100,000	8	0.2	1	0.0	0	0.0
100,001 – 1,000,000	8	0.2	3	0.1	0	0.0
1,000,001 or more	0	0.0	0	0.0	0	0.0
MCD	**882**	**27.3**	**221**	**6.8**	**84**	**2.6**
1,000 or fewer	403	12.5	90	2.8	46	1.4
1,001 – 6,000	360	11.1	96	3.0	31	1.0
6,001 – 50,000	119	3.7	35	1.1	7	0.2
50,001 – 100,000	0	0.0	0	0.0	0	0.0
100,001 – 1,000,000	0	0.0	0	0.0	0	0.0
1,000,001 or more	0	0.0	0	0.0	0	0.0
Total	**3,233**	**100.0**	**904**	**28.0**	**262**	**8.1**
1,000 or fewer	1,351	41.8	371	11.5	115	3.6
1001 – 6000	1,142	35.3	324	10.0	84	2.6
6001 – 50,000	674	20.8	190	5.9	62	1.9
50,001 – 100,000	36	1.1	11	0.3	0	0.0
100,001 – 1,000,000	27	0.8	7	0.2	0	0.0
1,000,001 or more	3	0.1	1	0.0	1	0.0
Total	**3,233**	**100.0**	**904**	**28.0**	**262**	**8.1**
Option 1	2,361	73.0	675	20.9	194	6.0
Option 2	375	11.6	98	3.0	26	0.8
Option 3	497	15.4	131	4.1	42	1.3
Total	**3,233**	**100.0**	**904**	**28.0**	**262**	**8.1**

Data Source: Geography Division.

* Government size is determined by the number of residential addresses in the MTdb at the beginning of the LUCA program.

Note: The sum of categories may not equal the total due to rounding.

Continued on next page

Table 27 continued. 2010 Census LUCA Reasons for Not Returning Address Materials by Government Type, Size, and Option

Government Type Size* Option	Reasons							
	d. No Time/ Too Busy	% of Total	e. No Local Address List Available	% of Total	f. LUCA Review performed by a Higher Level of Government	% of Total	g. Other Reason	% of Total
State	**1**	**0.0**	**0**	**0.0**	**0**	**0.0**	**1**	**0.0**
1,000 or fewer	0	0.0	0	0.0	0	0.0	0	0.0
1,001 – 6,000	0	0.0	0	0.0	0	0.0	0	0.0
6,001 – 50,000	0	0.0	0	0.0	0	0.0	0	0.0
50,001 – 100,000	0	0.0	0	0.0	0	0.0	0	0.0
100,001 – 1,000,000	1	0.0	0	0.0	0	0.0	0	0.0
1,000,001 or more	0	0.0	0	0.0	0	0.0	1	0.0
AIR	**10**	**0.3**	**2**	**0.1**	**1**	**0.0**	**11**	**0.3**
1,000 or fewer	9	0.3	1	0.0	0	0.0	7	0.2
1,001 – 6,000	1	0.0	1	0.0	1	0.0	3	0.1
6,001 – 50,000	0	0.0	0	0.0	0	0.0	1	0.0
50,001 – 100,000	0	0.0	0	0.0	0	0.0	0	0.0
100,001 – 1,000,000	0	0.0	0	0.0	0	0.0	0	0.0
1,000,001 or more	0	0.0	0	0.0	0	0.0	0	0.0
County	**126**	**3.9**	**26**	**0.8**	**8**	**0.2**	**117**	**3.6**
1,000 or fewer	4	0.1	2	0.1	0	0.0	1	0.0
1,001 – 6,000	28	0.9	10	0.3	0	0.0	27	0.8
6,001 – 50,000	80	2.5	12	0.4	5	0.2	76	2.4
50,001 – 100,000	9	0.3	0	0.0	2	0.1	7	0.2
100,001 – 1,000,000	5	0.2	2	0.1	1	0.0	6	0.2
1,000,001 or more	0	0.0	0	0.0	0	0.0	0	0.0
Place	**526**	**16.3**	**86**	**2.7**	**129**	**4.0**	**446**	**13.8**
1,000 or fewer	267	8.3	42	1.3	42	1.3	223	6.9
1,001 – 6,000	185	5.7	30	0.9	48	1.5	167	5.2
6,001 – 50,000	72	2.2	12	0.4	35	1.1	52	1.6
50,001 – 100,000	1	0.0	0	0.0	4	0.1	2	0.1
100,001 – 1,000,000	1	0.0	2	0.1	0	0.0	2	0.1
1,000,001 or more	0	0.0	0	0.0	0	0.0	0	0.0
MCD	**239**	**7.4**	**57**	**1.8**	**103**	**3.2**	**178**	**5.5**
1,000 or fewer	100	3.1	28	0.9	58	1.8	81	2.5
1,001 – 6,000	99	3.1	24	0.7	36	1.1	74	2.3
6,001 – 50,000	40	1.2	5	0.2	9	0.3	23	0.7
50,001 – 100,000	0	0.0	0	0.0	0	0.0	0	0.0
100,001 – 1,000,000	0	0.0	0	0.0	0	0.0	0	0.0
1,000,001 or more	0	0.0	0	0.0	0	0.0	0	0.0
Total	**902**	**27.9**	**171**	**5.3**	**241**	**7.5**	**753**	**23.3**
1,000 or fewer	380	11.8	73	2.3	100	3.1	312	9.7
1001 – 6000	313	9.7	65	2.0	85	2.6	271	8.4
6001 – 50,000	192	5.9	29	0.9	49	1.5	152	4.7
50,001 – 100,000	10	0.3	0	0.0	6	0.2	9	0.3
100,001 – 1,000,000	7	0.2	4	0.1	1	0.0	8	0.2
1,000,001 or more	0	0.0	0	0.0	0	0.0	1	0.0
Total	**902**	**27.9**	**171**	**5.3**	**241**	**7.5**	**753**	**23.3**
Option 1	682	21.1	107	3.3	165	5.1	538	16.6
Option 2	103	3.2	21	0.6	29	0.9	98	3.0
Option 3	117	3.6	43	1.3	47	1.5	117	3.6
Total	**902**	**27.9**	**171**	**5.3**	**241**	**7.5**	**753**	**23.3**

Data Source: Geography Division.
* Government size is determined by the number of residential addresses in the MTdb at the beginning of the LUCA program.
Note: The sum of categories may not equal the total due to rounding.

Table 28. 2010 Census LUCA Processing Results of Usable Address Lists by Government Type, Size, and Option

Government Type Size* Option	Usable Address Lists Submitted and Processed	
	Total	**% of Total**
State	**22**	**0.3**
1,000 or fewer	0	0.0
1,001 – 6,000	0	0.0
6,001 – 50,000	1	0.0
50,001 – 100,000	0	0.0
100,001 – 1,000,000	6	0.1
1,000,001 or more	15	0.2
AIR	**37**	**0.5**
1,000 or fewer	24	0.3
1,001 – 6,000	10	0.1
6,001 – 50,000	3	0.0
50,001 – 100,000	0	0.0
100,001 – 1,000,000	0	0.0
1,000,001 or more	0	0.0
County	**1,077**	**14.3**
1,000 or fewer	10	0.1
1,001 – 6,000	149	2.0
6,001 – 50,000	609	8.1
50,001 – 100,000	137	1.8
100,001 – 1,000,000	167	2.2
1,000,001 or more	5	0.1
Place	**4,755**	**63.3**
1,000 or fewer	1,977	26.3
1,001 – 6,000	1,557	20.7
6,001 – 50,000	1,073	14.3
50,001 – 100,000	86	1.1
100,001 – 1,000,000	59	0.8
1,000,001 or more	3	0.0
MCD	**1,623**	**21.6**
1,000 or fewer	666	8.9
1,001 – 6,000	753	10.0
6,001 – 50,000	204	2.7
50,001 – 100,000	0	0.0
100,001 – 1,000,000	0	0.0
1,000,001 or more	0	0.0
Total	**7,514**	**100.0**
1,000 or fewer	2,677	35.6
1,001 – 6,000	2,469	32.9
6,001 – 50,000	1,890	25.2
50,001 – 100,000	223	3.0
100,001 – 1,000,000	232	3.1
1,000,001 or more	23	0.3
Total	**7,514**	**100.0**
Option 1	6,231	82.9
Option 2	922	12.3
Option 3	361	4.8
Total	**7,514**	**100.0**

Data Source: Geography Division.
* Government size is determined by the number of residential addresses in the MTdb at the beginning of the LUCA program.
Note: The sum of categories may not equal the total due to rounding.

Table 29. 2010 LUCA Government Type Participation and Address Records Received and Processed Summed by State

State Government Type	Eligible Governments Total	Total Registered	% Registered of Total	Active After Drop Out	% Active	Total Address Files Returned	% Returned	Total Address Records Received	Total Address Records Processed
Alabama	**526**	**207**	**39.4**	**194**	**36.9**	**146**	**75.3**	**411,604**	**408,934**
State	1	1	100.0	1	100.0	0	0.0	0	0
County	67	29	43.3	27	40.3	23	85.2	97,189	95,562
Place	458	177	38.6	166	36.2	123	74.1	314,415	313,372
Alaska	**56**	**23**	**41.1**	**21**	**37.5**	**14**	**66.7**	**84,552**	**84,396**
State	1	1	100.0	1	100.0	1	100.0	639	638
County	12	6	50.0	5	41.7	5	100.0	77,886	77,884
Place	43	16	37.2	15	34.9	8	53.3	6,027	5,874
Arizona	**106**	**88**	**83.0**	**88**	**83.0**	**78**	**88.6**	**1,293,766**	**1,292,931**
State	1	0	0.0	0	0.0	0	0.0	0	0
County	15	13	86.7	13	86.7	12	92.3	263,211	263,116
Place	90	75	83.3	75	83.3	66	88.0	1,030,555	1,029,815
Arkansas	**578**	**158**	**27.3**	**155**	**26.8**	**109**	**70.3**	**396,218**	**396,038**
State	1	0	0.0	0	0.0	0	0.0	0	0
County	75	25	33.3	24	32.0	17	70.8	224,884	224,800
Place	502	133	26.5	131	26.1	92	70.2	171,334	171,238
California	**536**	**404**	**75.4**	**396**	**73.9**	**337**	**85.1**	**3,597,715**	**3,575,855**
State	1	1	100.0	1	100.0	1	100.0	43,210	43,158
County	57	49	86.0	47	82.5	43	91.5	1,265,482	1,252,871
Place	478	354	74.1	348	72.8	293	84.2	2,289,023	2,279,826
Colorado	**334**	**141**	**42.2**	**137**	**41.0**	**114**	**83.2**	**1,438,764**	**1,437,185**
State	1	1	100.0	1	100.0	1	100.0	22	22
County	62	36	58.1	34	54.8	31	91.2	1,093,542	1,092,588
Place	271	104	38.4	102	37.6	82	80.4	345,200	344,575
Connecticut	**180**	**70**	**38.9**	**64**	**35.6**	**55**	**85.9**	**167,976**	**166,506**
State	1	1	100.0	1	100.0	1	100.0	107,582	106,190
Place	30	15	50.0	15	50.0	11	73.3	14,554	14,511
MCD	149	54	36.2	48	32.2	43	89.6	45,840	45,805
Delaware	**61**	**19**	**31.1**	**17**	**27.9**	**16**	**94.1**	**12,362**	**12,346**
State	1	0	0.0	0	0.0	0	0.0	0	0
County	3	1	33.3	1	33.3	1	100.0	6,179	6,170
Place	57	18	31.6	16	28.1	15	93.8	6,183	6,176
Florida	**478**	**252**	**52.7**	**220**	**46.0**	**203**	**92.3**	**4,407,948**	**4,367,640**
State	1	1	100.0	1	100.0	1	100.0	195,766	195,694
County	66	59	89.4	57	86.4	54	94.7	3,275,790	3,244,186
Place	411	192	46.7	162	39.4	148	91.4	936,392	927,760
Georgia	**691**	**327**	**47.3**	**313**	**45.3**	**294**	**93.9**	**2,490,829**	**2,475,495**
State	1	1	100.0	1	100.0	1	100.0	0	0
County	155	151	97.4	150	96.8	144	96.0	2,037,347	2,023,403
Place	535	175	32.7	162	30.3	149	92.0	453,482	452,092
Hawaii	**5**	**5**	**100.0**	**5**	**100.0**	**5**	**100.0**	**5**	**5**
State	1	1	100.0	1	100.0	1	100.0	0	0
County	4	4	100.0	4	100.0	4	100.0	9,948	9,777
Idaho	**245**	**87**	**35.5**	**84**	**34.3**	**73**	**86.9**	**191,505**	**190,364**
State	1	0	0.0	0	0.0	0	0.0	0	0
County	44	21	47.7	18	40.9	16	88.9	81,072	80,393
Place	200	66	33.0	66	33.0	57	86.4	110,433	109,971
Illinois	**2,834**	**624**	**22.0**	**618**	**21.8**	**496**	**80.3**	**704,890**	**702,152**
State	1	0	0.0	0	0.0	0	0.0	0	0
County	102	43	42.2	43	42.2	32	74.4	106,349	104,231
Place	1,299	515	39.6	512	39.4	422	82.4	595,152	594,542
MCD	1,432	66	4.6	63	4.4	42	66.7	3,389	3,379
Indiana	**1,667**	**281**	**16.9**	**269**	**16.1**	**196**	**72.9**	**370,072**	**368,998**
State	1	1	100.0	1	100.0	1	100.0	7,650	7,650
County	91	56	61.5	54	59.3	37	68.5	141,807	141,487
Place	567	206	36.3	197	34.7	148	75.1	219,255	218,504
MCD	1,008	18	1.8	17	1.7	10	58.8	1,360	1,357

Data Source: Geography Division.
Note: The sum of categories may not equal the total due to rounding.

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Table 29 continued. 2010 LUCA Government Type Participation and Address Records Received and Processed Summed by State

State Government Type	Eligible Governments: Total	Total Registered	% Registered	Active After Drop Out	% Active	Total Address Files Returned	% Returned	Total Address Records Received	Total Address Records Processed
Iowa	**1,047**	**608**	**58.1**	**600**	**57.3**	**479**	**79.8**	**207,328**	**207,067**
State	1	0	0.0	0	0.0	0	0.0	0	0
County	99	58	58.6	54	54.5	43	79.6	81,943	81,826
Place	947	550	58.1	546	57.7	436	79.9	125,385	125,241
Kansas	**2,016**	**209**	**10.4**	**203**	**10.1**	**153**	**75.4**	**691,897**	**691,794**
State	1	0	0.0	0	0.0	0	0.0	0	0
County	105	47	44.8	46	43.8	32	69.6	470,972	470,953
Place	1,283	13	1.0	145	11.3	113	77.9	220,804	220,720
MCD	627	149	23.8	12	1.9	8	66.7	121	121
Kentucky	**539**	**119**	**22.1**	**114**	**21.2**	**95**	**83.3**	**775,892**	**775,591**
State	1	0	0.0	0	0.0	0	0.0	0	0
County	118	38	32.2	37	31.4	32	86.5	208,259	208,097
Place	420	81	19.3	77	18.3	63	81.8	567,633	567,494
Louisiana	**366**	**117**	**32.0**	**104**	**28.4**	**68**	**65.4**	**500,049**	**499,515**
State	1	0	0.0	0	0.0	0	0.0	0	0
County	63	33	52.4	30	47.6	25	83.3	233,709	233,272
Place	302	84	27.8	74	24.5	43	58.1	266,340	266,243
Maine	**505**	**81**	**16.0**	**70**	**13.9**	**62**	**88.6**	**99,127**	**98,566**
State	1	0	0.0	0	0.0	0	0.0	0	0
County	16	0	0.0	0	0.0	0	0.0	0	0
Place	22	10	45.5	10	45.5	5	50.0	48,531	48,525
MCD	466	71	15.2	60	12.9	57	95.0	50,596	50,041
Maryland	**181**	**80**	**44.2**	**80**	**44.2**	**61**	**76.3**	**992,246**	**991,617**
State	1	1	100.0	1	100.0	1	100.0	119,941	119,927
County	23	20	87.0	20	87.0	18	90.0	559,368	559,041
Place	157	59	37.	59	37.6	42	71.2	312,937	312,649
Massachusetts	**357**	**202**	**56.6**	**189**	**52.9**	**158**	**83.6**	**466,570**	**465,056**
State	1	1	100.0	1	100.0	1	100.0	140,032	139,930
County	5	0	0.0	0	0.0	0	0.0	0	0
Place	48	30	62.5	30	62.5	27	90.0	136,964	136,281
MCD	303	171	56.4	158	52.1	130	82.3	189,574	188,845
Michigan	**1,859**	**588**	**31.6**	**560**	**30.1**	**461**	**82.3**	**1,409,782**	**1,406,814**
State	1	1	100.0	1	100.0	1	100.0	220,436	219,873
County	83	26	31.3	26	31.3	19	73.1	739,363	739,334
Place	533	200	37.5	189	35.5	164	86.8	256,965	256,800
MCD	1,242	361	29.1	344	27.7	277	80.5	193,018	190,807
Minnesota	**2,732**	**609**	**22.3**	**579**	**21.2**	**420**	**72.5**	**569,990**	**569,357**
State	1	1	100.0	1	100.0	0	0.0	0	0
County	87	42	48.3	40	46.0	29	72.5	406,706	406,542
Place	854	358	41.9	347	40.6	261	75.2	156,360	155,917
MCD	1,790	208	11.6	191	10.7	130	68.1	6,924	6,898
Mississippi	**379**	**132**	**34.8**	**114**	**30.1**	**89**	**78.1**	**93,785**	**93,698**
State	1	0	0.0	0	0.0	0	0.0	0	0
County	82	35	42.7	25	30.5	15	60.0	68,745	68,735
Place	296	97	32.8	89	30.1	74	83.1	25,040	24,963
Missouri	**1,378**	**349**	**25.3**	**342**	**24.8**	**251**	**73.4**	**485,806**	**485,108**
State	1	0	0.0	0	0.0	0	0.0	0	0
County	114	38	33.3	38	33.3	25	65.8	251,954	251,926
Place	951	308	32.4	302	31.8	224	74.2	233,852	233,182
MCD	312	3	**1.0**	2	0.6	2	100.0	0	0
Montana	**184**	**62**	**33.7**	**60**	**32.6**	**42**	**70.0**	**251,134**	**250,819**
State	1	0	0.0	0	0.0	0	0.0	0	0
County	54	28	51.9	27	50.0	21	77.8	192,992	192,709
Place	129	34	26.4	33	25.6	21	63.6	58,142	58,110

Data Source: Geography Division.
Note: The sum of categories may not equal the total due to rounding.

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Table 29 continued. 2010 LUCA Government Type Participation and Address Records Received and Processed Summed by State

State Government Type	Eligible Governments			Active After Drop Out	% Active	Total Address Files Returned	% Returned	Total Address Records Received	Total Address Records Processed
	Total	Total Registered	% Registered of Total						
Nebraska	**1,060**	**148**	**14.0**	**143**	**13.5**	**118**	**82.5**	**115,084**	**114,972**
State	1	1	100.0	1	100.0	1	100.0	12,085	12,075
County	93	20	21.5	18	19.4	14	77.8	36,606	36,588
Place	531	122	23.0	119	22.4	99	83.2	66,316	66,232
MCD	435	5	1.1	5	1.1	4	80.0	77	77
Nevada	**36**	**28**	**77.8**	**28**	**77.8**	**23**	**82.1**	**802,328**	**798,225**
State	1	1	100.0	1	100.0	1	100.0	122,239	118,303
County	16	12	75.0	12	75.0	10	83.3	437,784	437,733
Place	19	15	78.9	15	78.9	12	80.0	242,305	242,189
New Hampshire	**245**	**47**	**19.2**	**44**	**18.0**	**39**	**88.6**	**52,501**	**52,346**
State	1	0	0.0	0	0.0	0	0.0	0	0
County	10	0	0.0	0	0.0	0	0.0	0	0
Place	13	3	23.1	3	23.1	2	66.7	28,373	28,371
MCD	221	44	19.9	41	18.6	37	90.2	24,128	23,975
New Jersey	**588**	**255**	**43.4**	**249**	**42.3**	**180**	**72.3**	**494,560**	**480,948**
State	1	1	100.0	1	100.0	1	100.0	165,779	153,578
County	21	12	57.1	12	57.1	9	75.0	108,747	108,621
Place	324	112	34.6	109	33.6	77	70.6	41,583	40,482
MCD	242	130	53.7	127	52.5	93	73.2	178,451	178,267
New Mexico	**135**	**45**	**33.3**	**45**	**33.3**	**35**	**77.8**	**591,759**	**591,264**
State	1	1	100.0	1	100.0	1	100.0	116,300	116,257
County	33	12	36.4	12	36.4	8	66.7	139,654	139,603
Place	101	32	31.7	32	31.7	26	81.3	335,805	335,404
New York	**1,604**	**794**	**49.5**	**584**	**36.4**	**478**	**81.8**	**1,529,257**	**1,521,672**
State	1	1	100.0	1	100.0	1	100.0	428,855	426,528
County	57	48	84.2	45	78.9	39	86.7	445,057	441,019
Place	617	301	48.8	241	39.1	183	75.9	463,015	462,578
MCD	929	444	47.8	297	32.0	255	85.9	192,330	191,547
North Carolina	**649**	**311**	**47.9**	**297**	**45.8**	**233**	**78.5**	**2,622,622**	**2,620,894**
State	1	1	100.0	1	100.0	1	100.0	9,490	9,489
County	100	78	78.0	74	74.0	58	78.4	1,873,693	1,872,769
Place	548	232	42.3	222	40.5	174	78.4	739,439	738,636
North Dakota	**1,733**	**144**	**8.3**	**141**	**8.1**	**107**	**75.9**	**89,814**	**89,711**
State	1	1	100.0	1	100.0	0	0.0	0	0
County	53	31	58.5	30	56.6	19	63.3	66,443	66,368
Place	357	79	22.1	79	22.1	61	77.2	23,080	23,052
MCD	1,322	33	2.5	31	2.3	27	87.1	291	291
Ohio	**2,337**	**377**	**16.1**	**361**	**15.4**	**275**	**76.2**	**761,427**	**760,807**
State	1	0	0.0	0	0.0	0	0.0	0	0
County	88	50	56.8	47	53.4	37	78.7	578,710	578,448
Place	940	232	24.7	226	24.0	178	78.8	157,159	156,888
MCD	1,308	95	7.3	88	6.7	60	68.2	25,558	25,471
Oklahoma	**672**	**157**	**23.4**	**154**	**22.9**	**100**	**64.9**	**118,000**	**117,628**
State	1	1	100.0	1	100.0	0	0.0	0	0
County	77	13	16.9	13	16.9	8	61.5	19,299	19,278
Place	594	143	24.1	140	23.6	92	65.7	98,701	98,350
Oregon	**278**	**100**	**36.0**	**94**	**33.8**	**83**	**88.3**	**554,007**	**553,262**
State	1	0	0.0	0	0.0	0	0.0	0	0
County	36	20	55.6	17	47.2	16	94.1	405,598	405,189
Place	241	80	33.2	77	32.0	67	87.0	148,409	148,073
Pennsylvania	**2,630**	**969**	**36.8**	**936**	**35.6**	**686**	**73.3**	**1,014,855**	**1,012,054**
State	1	1	100.0	1	100.0	1	100.0	43	43
County	66	44	66.7	41	62.1	31	75.6	607,185	604,831
Place	1,017	289	28.4	279	27.4	184	65.9	163,751	163,706
MCD	1,546	635	41.1	615	39.8	470	76.4	243,876	243,474

Data Source: Geography Division.
Note: The sum of categories may not equal the total due to rounding.

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Table 29 continued. 2010 LUCA Government Type Participation and Address Records Received and Processed Summed by State

State Government Type	Eligible Governments			Active After Drop Out	% Active	Total Address Files Returned	% Returned	Total Address Records Received	Total Address Records Processed
	Total	Total Registered	% Registered of Total						
Rhode Island	**40**	**20**	**50.0**	**19**	**47.5**	**12**	**63.2**	**15,095**	**15,016**
State	1	0	0.0	0	0.0	0	0.0	0	0
Place	8	3	37.5	3	37.5	2	66.7	414	414
MCD	31	17	54.8	16	51.6	10	62.5	14,681	14,602
South Carolina	**315**	**187**	**59.4**	**176**	**55.9**	**155**	**88.1**	**1,213,200**	**1,203,888**
State	1	1	100.0	1	100.0	1	100.0	58,994	55,304
County	46	44	95.7	42	91.3	40	95.2	929,572	924,176
Place	268	142	53.0	133	49.6	114	85.7	224,634	224,408
South Dakota	**1,302**	**103**	**7.9**	**95**	**7.3**	**73**	**76.8**	**43,537**	**43,463**
State	1	0	0.0	0	0.0	0	0.0	0	0
County	66	15	22.7	13	19.7	12	92.3	17,520	17,517
Place	309	75	24.3	70	22.7	55	78.6	25,955	25,887
MCD	926	13	1.4	12	1.3	6	50.0	62	59
Tennessee	**440**	**138**	**31.4**	**131**	**29.8**	**109**	**83.2**	**1,448,176**	**1,447,623**
State	1	0	0.0	0	0.0	0	0.0	0	0
County	92	33	35.9	32	34.8	22	68.8	856,396	856,027
Place	347	105	30.3	99	28.5	87	87.9	591,780	591,596
Texas	**1,463**	**497**	**34.0**	**453**	**31.0**	**361**	**79.7**	**4,600,703**	**4,596,830**
State	1	0	0.0	0	0.0	0	0.0	0	0
County	254	95	37.4	80	31.5	62	77.5	1,258,148	1,257,780
Place	1,208	402	33.3	373	30.9	299	80.2	3,342,555	3,339,050
Utah	**272**	**134**	**49.3**	**128**	**47.1**	**99**	**77.3**	**342,923**	**341,645**
State	1	1	100.0	1	100.0	1	100.0	574	574
County	29	16	55.2	13	44.8	10	76.9	147,199	147,173
Place	242	117	48.3	114	47.1	88	77.2	195,150	193,898
Vermont	**297**	**81**	**27.3**	**80**	**26.9**	**53**	**66.3**	**339,722**	**339,460**
State	1	1	100.0	1	100.0	1	100.0	272,001	271,805
County	14	0	0.0	0	0.0	0	0.0	0	0
Place	45	5	11.1	5	11.1	4	80.0	13,114	13,110
MCD	237	75	31.6	74	31.2	48	64.9	54,607	54,545
Virginia	**325**	**139**	**42.8**	**130**	**40.0**	**111**	**85.4**	**1,532,766**	**1,527,826**
State	1	1	100.0	1	100.0	1	100.0	3,091	3,019
County	95	61	64.2	58	61.1	48	82.8	1,164,705	1,160,322
Place	229	77	33.6	71	31.0	62	87.3	364,970	364,485
Washington	**321**	**118**	**36.8**	**114**	**35.5**	**85**	**74.6**	**481,362**	**479,372**
State	1	1	100.0	1	100.0	1	100.0	1,820	1,820
County	39	22	56.4	22	56.4	17	77.3	315,331	313,939
Place	281	95	33.8	91	32.4	67	73.6	164,211	163,613
West Virginia	**289**	**35**	**12.1**	**34**	**11.8**	**22**	**64.7**	**95,997**	**95,983**
State	1	0	0.0	0	0.0	0	0.0	0	0
County	55	8	14.5	8	14.5	6	75.0	74,048	74,044
Place	233	27	11.6	26	11.2	16	61.5	21,949	21,939
Wisconsin	**1,924**	**593**	**30.8**	**580**	**30.1**	**447**	**77.1**	**632,646**	**627,082**
State	1	0	0.0	0	0.0	0	0.0	0	0
County	72	49	68.1	48	66.7	36	75.0	423,092	418,198
Place	593	247	41.7	245	41.3	201	82.0	170,107	169,566
MCD	1,258	297	23.6	287	22.8	210	73.2	39,447	39,318
Wyoming	**123**	**88**	**71.5**	**87**	**70.7**	**77**	**88.5**	**129,283**	**128,985**
State	1	1	100.0	1	100.0	1	100.0	329	329
County	23	20	87.0	20	87.0	18	90.0	62,686	62,505
Place	99	67	67.7	66	66.7	58	87.9	66,268	66,151
DC (Place)	**1**	**1**	**100.0**	**1**	**100.0**	**1**	**100.0**	**20,241**	**20,241**
AIR	**331**	**114**	**34.4**	**110**	**33.2**	**52**	**47.3**	**17,729**	**17,616**
Puerto Rico	**79**	**35**	**44.3**	**25**	**31.6**	**24**	**96.0**	**65,828**	**63,810**
(State)	1	0	0.0	0	0.0	0	0.0	0	0
Municipios (County)	78	35	44.9	25	32.1	24	96.0	65,828	63,810
National totals	**39,329**	**11,500**	**29.2**	**10,835**	**27.5**	**8,513**	**78.6**	**41,847,177**	**41,686,242**

Data Source: Geography Division.

Note: The sum of categories may not equal the total due to rounding.

Table 30. 2010 Census LUCA County Participation and Address Records Received and Processed Summed by State

State	Eligible Governments								
	Total Counties	Total Registered	% Registered of Total	Total Active After Drop Out	% Active After Drop Out	Total Address Files Returned	% Returned	Total Address Records Received	Total Address Records Processed
Alabama	67	29	43.3	27	40.3	23	85.2	97,189	95,562
Alaska	12	6	50.0	5	41.7	5	100.0	77,886	77,884
Arizona	15	13	86.7	13	86.7	12	92.3	263,211	263,116
Arkansas	75	25	33.3	24	32.0	17	70.8	224,884	224,800
California	57	49	86.0	47	82.5	43	91.5	1,265,482	1,252,871
Colorado	62	36	58.1	34	54.8	31	91.2	1,093,542	1,092,588
Delaware	3	1	33.3	1	33.3	1	100.0	6,179	6,170
Florida	66	59	89.4	57	86.4	54	94.7	3,275,790	3,244,186
Georgia	155	151	97.4	150	96.8	144	96.0	2,037,347	2,023,403
Hawaii	4	4	100.0	4	100.0	4	100.0	9,948	9,777
Idaho	44	21	47.7	18	40.9	16	88.9	81,072	80,393
Illinois	102	43	42.2	43	42.2	32	74.4	106,349	104,231
Indiana	91	56	61.5	54	59.3	37	68.5	141,807	141,487
Iowa	99	58	58.6	54	54.5	43	79.6	81,943	81,826
Kansas	105	47	44.8	46	43.8	32	69.6	470,972	470,953
Kentucky	118	38	32.2	37	31.4	32	86.5	208,259	208,097
Louisiana	63	33	52.4	30	47.6	25	83.3	233,709	233,272
Maine	16	0	0.0	0	0.0	0	0.0	0	0
Maryland	23	20	87.0	20	87.0	18	90.0	559,368	559,041
Massachusetts	5	0	0.0	0	0.0	0	0.0	0	0
Michigan	83	26	31.3	26	31.3	19	73.1	739,363	739,334
Minnesota	87	42	48.3	40	46.0	29	72.5	406,706	406,542
Mississippi	82	35	42.7	25	30.5	15	60.0	68,745	68,735
Missouri	114	38	33.3	38	33.3	25	65.8	251,954	251,926
Montana	54	28	51.9	27	50.0	21	77.8	192,992	192,709
Nebraska	93	20	21.5	18	19.4	14	77.8	36,606	36,588
Nevada	16	12	75.0	12	75.0	10	83.3	437,784	437,733
New Hampshire	10	0	0.0	0	0.0	0	0.0	0	0
New Jersey	21	12	57.1	12	57.1	9	75.0	108,747	108,621
New Mexico	33	12	36.4	12	36.4	8	66.7	139,654	139,603
New York	57	48	84.2	45	78.9	39	86.7	445,057	441,019
North Carolina	100	78	78.0	74	74.0	58	78.4	1,873,693	1,872,769
North Dakota	53	31	58.5	30	56.6	19	63.3	66,443	66,368
Ohio	88	50	56.8	47	53.4	37	78.7	578,710	578,448
Oklahoma	77	13	16.9	13	16.9	8	61.5	19,299	19,278
Oregon	36	20	55.6	17	47.2	16	94.1	405,598	405,189
Pennsylvania	66	44	66.7	41	62.1	31	75.6	607,185	604,831
Puerto Rico	78	35	44.9	25	32.1	24	96.0	65,828	63,810
South Carolina	46	44	95.7	42	91.3	40	95.2	929,572	924,176
South Dakota	66	15	22.7	13	19.7	12	92.3	17,520	17,517
Tennessee	92	33	35.9	32	34.8	22	68.8	856,396	856,027
Texas	254	95	37.4	80	31.5	62	77.5	1,258,148	1,257,780
Utah	29	16	55.2	13	44.8	10	76.9	147,199	147,173
Vermont	14	0	0.0	0	0.0	0	0.0	0	0
Virginia	95	61	64.2	58	61.1	48	82.8	1,164,705	1,160,322
Washington	39	22	56.4	22	56.4	17	77.3	315,331	313,939
West Virginia	55	8	14.5	8	14.5	6	75.0	74,048	74,044
Wisconsin	72	49	68.1	48	66.7	36	75.0	423,092	418,198
Wyoming	23	20	87.0	20	87.0	18	90.0	62,686	62,505
Total	**3,115**	**1,596**	**51.2**	**1,502**	**48.2**	**1,222**	**81.4%**	**21,927,998**	**21,834,841**

Source: Geography Division.
Note: The sum of categories may not equal the total due to rounding.

Table 31. 2010 Census LUCA Place Participation and Address Records Received and Processed Summed by State

State	Eligible Governments								
	Total Places	Total Registered	% Registered of Total	Total Active After Drop Out	% Active After Drop Out	Total Address Files Returned	% Returned	Total Address Records Received	Total Address Records Processed
Alabama	458	177	38.6	166	93.8	123	74.1	314,415	313,372
Alaska	43	16	37.2	15	93.8	8	53.3	6,027	5,874
Arizona	90	75	83.3	75	100.0	66	88.0	1,030,555	1,029,815
Arkansas	502	133	26.5	131	98.5	92	70.2	171,334	171,238
California	478	354	74.1	348	98.3	293	84.2	2,289,023	2,279,826
Colorado	271	104	38.4	102	98.1	82	80.4	345,200	344,575
Connecticut	30	15	50.0	15	100.0	11	73.3	14,554	14,511
Delaware	57	18	31.6	16	88.9	15	93.8	6,183	6,176
District of Columbia	1	1	100.0	1	100.0	1	100.0	20,241	20,241
Florida	411	192	46.7	162	84.4	148	91.4	936,392	927,760
Georgia	535	175	32.7	162	92.6	149	92.0	453,482	452,092
Idaho	200	66	33.0	66	100.0	57	86.4	110,433	109,971
Illinois	1,299	515	39.6	512	99.4	422	82.4	595,152	594,542
Indiana	567	206	36.3	197	95.6	148	75.1	219,255	218,504
Iowa	947	550	58.1	546	99.3	436	79.9	125,385	125,241
Kansas	627	149	23.8	145	97.3	113	77.9	220,804	220,720
Kentucky	420	81	19.3	77	95.1	63	81.8	567,633	567,494
Louisiana	302	84	27.8	74	88.1	43	58.1	266,340	266,243
Maine	22	10	45.5	10	100.0	5	50.0	48,531	48,525
Maryland	157	59	37.6	59	100.0	42	71.2	312,937	312,649
Massachusetts	48	30	62.5	30	100.0	27	90.0	136,964	136,281
Michigan	533	200	37.5	189	94.5	164	86.8	256,965	256,800
Minnesota	854	358	41.9	347	96.9	261	75.2	156,360	155,917
Mississippi	296	97	32.8	89	91.8	74	83.1	25,040	24,963
Missouri	951	308	32.4	302	98.1	224	74.2	233,852	233,182
Montana	129	34	26.4	33	97.1	21	63.6	58,142	58,110
Nebraska	531	122	23.0	119	97.5	99	83.2	66,316	66,232
Nevada	19	15	78.9	15	100.0	12	80.0	242,305	242,189
New Hampshire	13	3	23.1	3	100.0	2	66.7	28,373	28,371
New Jersey	324	112	34.6	109	97.3	77	70.6	41,583	40,482
New Mexico	101	32	31.7	32	100.0	26	81.3	335,805	335,404
New York	617	301	48.8	241	80.1	183	75.9	463,015	462,578
North Carolina	548	232	42.3	222	95.7	174	78.4	739,439	738,636
North Dakota	357	79	22.1	79	100.0	61	77.2	23,080	23,052
Ohio	940	232	24.7	226	97.4	178	78.8	157,159	156,888
Oklahoma	594	143	24.1	140	97.9	92	65.7	98701	98350
Oregon	241	80	33.2	77	96.3	67	87.0	148,409	148,073
Pennsylvania	1,017	289	28.4	279	96.5	184	65.9	163,751	163,706
Rhode Island	8	3	37.5	3	100.0	2	66.7	414	414
South Carolina	268	142	53.0	133	93.7	114	85.7	224,634	224,408
South Dakota	309	75	24.3	70	93.3	55	78.6	25,955	25,887
Tennessee	347	105	30.3	99	94.3	87	87.9	591,780	591,596
Texas	1,208	402	33.3	373	92.8	299	80.2	3,342,555	3,339,050
Utah	242	117	48.3	114	97.4	88	77.2	195,150	193,898
Vermont	45	5	11.1	5	100.0	4	80.0	13,114	13,110
Virginia	229	77	33.6	71	92.2	62	87.3	364,970	364,485
Washington	281	95	33.8	91	95.8	67	73.6	164,211	163,613
West Virginia	233	27	11.6	26	96.3	16	61.5	21,949	21,939
Wisconsin	593	247	41.7	245	99.2	201	82.0	170,107	169,566
Wyoming	99	67	67.7	66	98.5	58	87.9	66,268	66,151
Total	**19,392**	**7,009**	**36.1**	**6,707**	**95.7**	**5,296**	**79.0**	**16,610,242**	**16,572,700**

Source: Geography Division.
Note: The sum of categories may not equal the total due to rounding.

Table 32. 2010 Census LUCA MCD Participation and Address Records Received and Processed Summed by State

State	Eligible Governments								
	Total MCD	Total Registered	% Registered of Total	Total Active After Drop Out	% Active After Drop Out	Total Address Files Returned	% Returned	Total Address Records Received	Total Address Records Processed
Connecticut	149	54	36.2	48	32.2	43	89.6	45,840	45,805
Illinois	1,432	66	4.6	63	4.4	42	66.7	3,389	3,379
Indiana	1,008	18	1.8	17	1.7	10	58.8	1,360	1,357
Kansas	1,283	13	1.0	12	0.9	8	66.7	121	121
Maine	466	71	15.2	60	12.9	57	95.0	50,596	50,041
Massachusetts	303	171	56.4	158	52.1	130	82.3	189,574	188,845
Michigan	1,242	361	29.1	344	27.7	277	80.5	193,018	190,807
Minnesota	1,790	208	11.6	191	10.7	130	68.1	6,924	6,898
Missouri	312	3	1.0	2	0.6	2	100.0	0	0
Nebraska	435	5	1.1	5	1.1	4	80.0	77	77
New Hampshire	221	44	19.9	41	18.6	37	90.2	24,128	23,975
New Jersey	242	130	53.7	127	52.5	93	73.2	178,451	178,267
New York	929	444	47.8	297	32.0	255	85.9	192,330	191,547
North Dakota	1,322	33	2.5	31	2.3	27	87.1	291	291
Ohio	1,308	95	7.3	88	6.7	60	68.2	25,558	25,471
Pennsylvania	1,546	635	41.1	615	39.8	470	76.4	243,876	243,474
Rhode Island	31	17	54.8	16	51.6	10	62.5	14,681	14,602
South Dakota	926	13	1.4	12	1.3	6	50.0	62	59
Vermont	237	75	31.6	74	31.2	48	64.9	54,607	54,545
Wisconsin	1,258	297	23.6	287	22.8	210	73.2	39,447	39,318
Total	**16,440**	**2,753**	**16.7**	**2,488**	**15.1**	**1,919**	**77.1**	**1,264,330**	**1,258,879**

Source: Geography Division.
Note: The sum of categories may not equal the total due to rounding.

Table 33. 2010 Census LUCA Address Records Received and Processed by Government Type, Size, Option, and Media Type

Government Type Size* / Option / Media Type	Address Records Received		Address Records Rejected		
	Total	% of Total	Total Rejected	% of Total Received	% Within Gov't Type, Size
State	**2,026,878**	**4.8**	**24,672**	**0.1**	**1.2**
1,000 or fewer	0	0.0	0	0.0	0.0
1,001 – 6,000	0	0.0	0	0.0	0.0
6,001 – 50,000	12,085	0.0	10	0.0	0.1
50,001 – 100,000	0	0.0	0	0.0	0.0
100,001 – 1,000,000	512,082	1.2	4,176	0.0	0.8
1,000,001 or more	1,502,711	3.6	20,486	0.0	1.4
AIR	**17,729**	**0.0**	**113**	**0.0**	**0.6**
1,000 or fewer	3,747	0.0	87	0.0	2.3
1,001 – 6,000	13,473	0.0	22	0.0	0.2
6,001 – 50,000	509	0.0	4	0.0	0.8
50,001 – 100,000	0	0.0	0	0.0	0.0
100,001 – 1,000,000	0	0.0	0	0.0	0.0
1,000,001 or more	0	0.0	0	0.0	0.0
County	**21,927,998**	**52.4**	**93,157**	**0.2**	**0.4**
1,000 or fewer	2,189	0.0	8	0.0	0.4
1,001 – 6,000	348,727	0.8	2,197	0.0	0.6
6,001 – 50,000	5,947,491	14.2	39,809	0.1	0.7
50,001 – 100,000	3,436,186	8.2	8,955	0.0	0.3
100,001 – 1,000,000	11,496,701	27.5	38,344	0.1	0.3
1,000,001 or more	696,704	1.7	3,844	0.0	0.6
Place	**16,610,242**	**39.7**	**37,542**	**0.1**	**0.2**
1,000 or fewer	297,599	0.7	1,452	0.0	0.5
1,001 – 6,000	1,174,572	2.8	7,804	0.0	0.7
6,001 – 50,000	6,081,042	14.5	14,573	0.0	0.2
50,001 – 100,000	1,772,472	4.2	2,588	0.0	0.1
100,001 – 1,000,000	5,980,516	14.3	7,989	0.0	0.1
1,000,001 or more	1,304,041	3.1	3,136	0.0	0.2
MCD	**1,264,330**	**3.0**	**5,451**	**0.0**	**0.4**
1,000 or fewer	100,445	0.2	320	0.0	0.3
1,001 – 6,000	513,991	1.2	2,241	0.0	0.4
6,001 – 50,000	649,894	1.6	2,890	0.0	0.4
50,001 – 100,000	0	0.0	0	0.0	0.0
100,001 – 1,000,000	0	0.0	0	0.0	0.0
1,000,001 or more	0	0.0	0	0.0	0.0
Total	**41,847,177**	**100.0**	**160,935**	**0.4**	
1,000 or fewer	403,980	1.0	1,867	0.0	0.5
1,001 – 6,000	2,050,763	4.9	12,264	0.0	0.6
6,001 – 50,000	12,691,021	30.3	57,286	0.1	0.5
50,001 – 100,000	5,208,658	12.4	11,543	0.0	0.2
100,001 – 1,000,000	17,989,299	43.0	50,509	0.1	0.3
1,000,001 or more	3,503,456	8.4	27,466	0.1	0.8
Total	**41,847,177**	**100.0**	**160,935**	**0.4**	
Option 1	12,418,753	29.7	98,968	0.2	0.8
Option 2	24,200,599	57.8	53,113	0.1	0.2
Option 3	5,227,825	12.5	8,854	0.0	0.2
Total	**41,847,177**	**100.0**	**160,935**	**0.4**	**0.4**
MTPS	11,347,019	27.1	74,974	0.2	0.7
Paper	594,368	1.4	3,510	0.0	0.6
Computer-readable	29,905,790	71.5	82,451	0.2	0.3
Total	**41,847,177**	**100.0**	**160,935**	**0.4**	

Data Source: Geography Division.

* Government size is determined by the number of residential addresses in the MTdb at the beginning of the LUCA program.

Note: The sum of categories may not equal the total due to rounding.

Continued on next page

Table 33 continued. 2010 Census LUCA Address Records Received and Processed by Government Type, Size, Option, and Media Type

Government Type Size* Option Media Type	Address Records Received Total	 % of Total	Address Records Processed Total Processed	 % of Total Received	 % Within Gov't Type, Size
State	**2,026,878**	**4.8**	**2,002,206**	**4.8**	**98.8**
1,000 or fewer	0	0.0	0	0.0	0.0
1,001 – 6,000	0	0.0	0	0.0	0.0
6,001 – 50,000	12,085	0.0	12,075	0.0	99.9
50,001 – 100,000	0	0.0	0	0.0	0.0
100,001 – 1,000,000	512,082	1.2	507,906	1.2	99.2
1,000,001 or more	1,502,711	3.6	1,482,225	3.5	98.6
AIR	**17,729**	**0.0**	**17,616**	**0.0**	**99.4**
1,000 or fewer	3,747	0.0	3,660	0.0	97.7
1,001 – 6,000	13,473	0.0	13,451	0.0	99.8
6,001 – 50,000	509	0.0	505	0.0	99.2
50,001 – 100,000	0	0.0	0	0.0	0.0
100,001 – 1,000,000	0	0.0	0	0.0	0.0
1,000,001 or more	0	0.0	0	0.0	0.0
County	**21,927,998**	**52.4**	**21,834,841**	**52.2**	**99.6**
1,000 or fewer	2,189	0.0	2,181	0.0	99.6
1,001 – 6,000	348,727	0.8	346,530	0.8	99.4
6,001 – 50,000	5,947,491	14.2	5,907,682	14.1	99.3
50,001 – 100,000	3,436,186	8.2	3,427,231	8.2	99.7
100,001 – 1,000,000	11,496,701	27.5	11,458,357	27.4	99.7
1,000,001 or more	696,704	1.7	692,860	1.7	99.4
Place	**16,610,242**	**39.7**	**16,572,700**	**39.6**	**99.8**
1,000 or fewer	297,599	0.7	296,147	0.7	99.5
1,001 – 6,000	1,174,572	2.8	1,166,768	2.8	99.3
6,001 – 50,000	6,081,042	14.5	6,066,469	14.5	99.8
50,001 – 100,000	1,772,472	4.2	1,769,884	4.2	99.9
100,001 – 1,000,000	5,980,516	14.3	5,972,527	14.3	99.9
1,000,001 or more	1,304,041	3.1	1,300,905	3.1	99.8
MCD	**1,264,330**	**3.0**	**1,258,879**	**3.0**	**99.6**
1,000 or fewer	100,445	0.2	100,125	0.2	99.7
1,001 – 6,000	513,991	1.2	511,750	1.2	99.6
6,001 – 50,000	649,894	1.6	647,004	1.5	99.6
50,001 – 100,000	0	0.0	0	0.0	0.0
100,001 – 1,000,000	0	0.0	0	0.0	0.0
1,000,001 or more	0	0.0	0	0.0	0.0
Total	**41,847,177**	**100.0**	**41,686,242**	**99.6**	
1,000 or fewer	403,980	1.0	402,113	1.0	99.5
1,001 – 6,000	2,050,763	4.9	2,038,499	4.9	99.4
6,001 – 50,000	12,691,021	30.3	12,633,735	30.2	99.5
50,001 – 100,000	5,208,658	12.4	5,197,115	12.4	99.8
100,001 – 1,000,000	17,989,299	43.0	17,938,790	42.9	99.7
1,000,001 or more	3,503,456	8.4	3,475,990	8.3	99.2
Total	**41,847,177**	**100.0**	**41,686,242**	**99.6**	
Option 1	12,418,753	29.7	12,319,785	29.4	99.2
Option 2	24,200,599	57.8	24,147,486	57.7	99.8
Option 3	5,227,825	12.5	5,218,971	12.5	99.8
Total	**41,847,177**	**100.0**	**41,686,242**	**99.6**	
MTPS	11,347,019	27.1	11,272,045	26.9	99.3
Paper	594,368	1.4	590,858	1.4	99.4
Computer-readable	29,905,790	71.5	29,823,339	71.3	99.7
Total	**41,847,177**	**100.0**	**41,686,242**	**99.6**	

Data Source: Geography Division.
* Government size is determined by the number of residential addresses in the MTdb at the beginning of the LUCA program.
Note: The sum of categories may not equal the total due to rounding.

Table 34. 2010 Census LUCA Address Records Rejected by Code by Government Type, Size, Option, and Media Type

Government Type Size* Option Media Type	Total Rejected	Reject Code 01	02	03	04	06	07	11	12
State	**24,672**	**0**	**17,036**	**0**	**0**	**1,176**	**0**	**0**	**309**
1,000 or fewer	0	0	0	0	0	0	0	0	0
1,001 – 6,000	0	0	0	0	0	0	0	0	0
6,001 – 50,000	10	0	0	0	0	0	0	0	6
50,001 – 100,000	0	0	0	0	0	0	0	0	0
100,001 – 1,000,000	4,176	0	3,695	0	0	2	0	0	58
1,000,001 or more	20,486	0	13,341	0	0	1,174	0	0	245
AIR	**113**	**0**	**13**	**0**	**0**	**0**	**0**	**85**	**0**
1,000 or fewer	87	0	2	0	0	0	0	85	0
1,001 – 6,000	22	0	11	0	0	0	0	0	0
6,001 – 50,000	4	0	0	0	0	0	0	0	0
50,001 – 100,000	0	0	0	0	0	0	0	0	0
100,001 – 1,000,000	0	0	0	0	0	0	0	0	0
1,000,001 or more	0	0	0	0	0	0	0	0	0
County	**93,157**	**19**	**48,202**	**5**	**1,285**	**4,065**	**2**	**5,304**	**8,797**
1,000 or fewer	8	0	7	0	0	0	0	0	1
1,001 – 6,000	2,197	0	1,100	1	0	1	1	153	797
6,001 – 50,000	39,808	0	12,477	1	620	3,335	1	3,764	4,874
50,001 – 100,000	8,884	0	3,610	0	410	234	0	23	2,060
100,001 – 1,000,000	38,413	0	27,586	2	253	495	0	1,274	901
1,000,001 or more	3,847	19	3,422	1	2	0	0	90	164
Place	**37,542**	**2**	**16,459**	**0**	**19**	**86**	**4**	**1,241**	**14,428**
1,000 or fewer	1,452	2	433	0	11	11	4	47	608
1,001 – 6,000	7,804	0	1,309	0	7	48	0	879	4,599
6,001 – 50,000	14,573	0	7,190	0	1	9	0	26	5,553
50,001 – 100,000	2,588	0	1,673	0	0	0	0	0	462
100,001 – 1,000,000	7,989	0	4,199	0	0	18	0	289	3,045
1,000,001 or more	3,136	0	1,655	0	0	0	0	0	161
MCD	**5,451**	**0**	**1,428**	**0**	**7**	**135**	**6**	**79**	**3,076**
1,000 or fewer	320	0	176	0	0	11	0	3	75
1,001 – 6,000	2,241	0	867	0	6	120	6	69	652
6,001 – 50,000	2,890	0	385	0	1	4	0	7	2,349
50,001 – 100,000	0	0	0	0	0	0	0	0	0
100,001 – 1,000,000	0	0	0	0	0	0	0	0	0
1,000,001 or more	0	0	0	0	0	0	0	0	0
Total	**160,935**	**21**	**83,138**	**5**	**1,311**	**5,462**	**12**	**6,709**	**26,610**
1,000 or fewer	1,867	2	618	0	11	22	4	135	684
1,001 – 6,000	12,264	0	3,287	1	13	169	7	1,101	6,048
6,001 – 50,000	57,285	0	20,052	1	622	3,348	1	3,797	12,782
50,001 – 100,000	11,472	0	5,283	0	410	234	0	23	2,522
100,001 – 1,000,000	50,578	0	35,480	2	253	515	0	1,563	4,004
1,000,001 or more	27,469	19	18,418	1	2	1,174	0	90	570
Total	**160,935**	**21**	**83,138**	**5**	**1,311**	**5,462**	**12**	**6,709**	**26,610**
Option 1	98,968	21	47,103	5	1,275	4,244	4	4,112	16,761
Option 2	53,113	0	29,976	0	36	1,206	2	1,753	8,785
Option 3	8,854	0	6,059	0		12	6	844	1,064
Total	**160,935**	**21**	**83,138**	**5**	**1,311**	**5,462**	**12**	**6,709**	**26,610**
MTPS	74,974	2	52,420	3	720	2,735	12	84	7,576
Paper	3,510	0	1,332	0	1	118	0	25	1,353
Computer-readable	82,451	19	29,386	2	590	2,609	0	6,600	17,681
Total	**160,935**	**21**	**83,138**	**5**	**1,311**	**5,462**	**12**	**6,709**	**26,610**

Data Source: Geography Division.
* Government size is determined by the number of residential addresses in the MTdb at the beginning of the LUCA program.
Note: See Attachment C for descriptions of Reject Codes.

Continued on next page

Table 34 continued. 2010 Census LUCA Option 1 Address Records Rejected by Code by Government Type, Size, Option, and Media Type

Government type Size* Option Media Type	Reject Code							
	A	**B**	**L**	**M**	**N**	**P**	**S**	**Y**
State	**3,864**	**5**	**1,512**	**282**	**382**	**3**	**103**	**0**
1,000 or fewer	0	0	0	0	0	0	0	0
1,001 – 6,000	0	0	0	0	0	0	0	0
6,001 – 50,000	0	3	1	0	0	0	0	0
50,001 – 100,000	0	0	0	0	0	0	0	0
100,001 – 1,000,000	0	0	152	268	0	0	1	0
1,000,001 or more	3,864	2	1,359	14	382	3	102	0
AIR	**0**	**0**	**9**	**6**	**0**	**0**	**0**	**0**
1,000 or fewer	0	0	0	0	0	0	0	0
1,001 – 6,000	0	0	5	6	0	0	0	0
6,001 – 50,000	0	0	4	0	0	0	0	0
50,001 – 100,000	0	0	0	0	0	0	0	0
100,001 – 1,000,000	0	0	0	0	0	0	0	0
1,000,001 or more	0	0	0	0	0	0	0	0
County	**7,493**	**763**	**7,821**	**5,430**	**473**	**18**	**3,404**	**76**
1,000 or fewer	0	0	0	0	0	0	0	0
1,001 – 6,000	10	13	23	95	3	0	0	0
6,001 – 50,000	7,115	407	4,865	924	254	3	1,168	0
50,001 – 100,000	45	133	211	66	19	1	2,071	1
100,001 – 1,000,000	322	185	2,717	4,345	186	14	61	72
1,000,001 or more	1	25	5	0	11	0	104	3
Place	**1,012**	**1,175**	**1,113**	**1,610**	**203**	**15**	**175**	**0**
1,000 or fewer	151	3	36	137	8	1	0	0
1,001 – 6,000	55	106	357	398	40	0	6	0
6,001 – 50,000	430	14	343	810	78	13	106	0
50,001 – 100,000	1	23	371	36	13	1	8	0
100,001 – 1,000,000	0	116	5	229	41	0	47	0
1,000,001 or more	375	913	1	0	23	0	8	0
MCD	**29**	**10**	**176**	**456**	**28**	**0**	**21**	**0**
1,000 or fewer	5	0	19	26	5	0	0	0
1,001 – 6,000	21	3	87	393	11	0	6	0
6,001 – 50,000	3	7	70	37	12	0	15	0
50,001 – 100,000	0	0	0	0	0	0	0	0
100,001 – 1,000,000	0	0	0	0	0	0	0	0
1,000,001 or more	0	0	0	0	0	0	0	0
Total	**12,398**	**1,953**	**10,631**	**7,784**	**1,086**	**36**	**3,703**	**76**
1,000 or fewer	156	3	55	163	13	1	0	0
1,001 – 6,000	86	122	472	892	54	0	12	0
6,001 – 50,000	7,548	431	5,283	1,771	344	16	1,289	0
50,001 – 100,000	46	156	582	102	32	2	2,079	1
100,001 – 1,000,000	322	301	2,874	4,842	227	14	109	72
1,000,001 or more	4,240	940	1,365	14	416	3	214	3
Total	**12,398**	**1,953**	**10,631**	**7,784**	**1,086**	**36**	**3,703**	**76**
Option 1	12,366	1,185	4,533	6,305	624	32	322	76
Option 2	31	729	5,425	1,415	381	4	3,370	0
Option 3	1	39	673	64	81	0	11	0
Total	**12,398**	**1,953**	**10,631**	**7,784**	**1,086**	**36**	**3,703**	**76**
MTPS	3,723	1,219	3,338	288	608	4	2,167	75
Paper	0	1	98	553	26	1	2	0
Computer-readable	8,675	733	7,195	6,943	452	31	1,534	1
Total	**12,398**	**1,953**	**10,631**	**7,784**	**1,086**	**36**	**3,703**	**76**

Data Source: Geography Division.

* Government size is determined by the number of residential addresses in the MTdb at the beginning of the LUCA program.

Note: See Attachment C for descriptions of Reject Codes.

Table 35. 2010 Census LUCA Address Records New Adds and Address Records Merged by Government Type, Size, Option, and Media Type

Government Type Size* Option Media Type	New Adds to the MAF Total	Merged with Existing Active MAF Records Total	Merged with Existing Ungeocoded MAF Records Total
State	**793,345**	**926,615**	**251,483**
1,000 or fewer	0	0	0
1,001 – 6,000	0	0	0
6,001 – 50,000	2,204	336	943
50,001 – 100,000	0	0	0
100,001 – 1,000,000	143,680	326,128	37,659
1,000,001 or more	647,461	600,151	212,881
AIR	**5,755**	**7,874**	**854**
1,000 or fewer	2,074	786	211
1,001 – 6,000	3,563	7,028	531
6,001 – 50,000	118	60	112
50,001 – 100,000	0	0	0
100,001 – 1,000,000	0	0	0
1,000,001 or more	0	0	0
County	**4,756,066**	**13,418,681**	**2,309,170**
1,000 or fewer	758	808	201
1,001 – 6,000	157,140	108,555	44,741
6,001 – 50,000	1,726,025	3,168,562	570,766
50,001 – 100,000	728,661	2,061,878	378,454
100,001 – 1,000,000	1,935,905	7,701,317	1,211,617
1,000,001 or more	207,577	377,561	103,391
Place	**3,531,392**	**9,681,166**	**1,740,144**
1,000 or fewer	83,170	58,399	37,027
1,001 – 6,000	270,549	368,439	257,555
6,001 – 50,000	1,188,340	3,184,771	952,602
50,001 – 100,000	354,141	1,177,588	168,064
100,001 – 1,000,000	994,804	4,498,733	317,785
1,000,001 or more	640,388	393,236	7,111
MCD	**228,411**	**542,399**	**198,275**
1,000 or fewer	27,873	24,654	13,153
1,001 – 6,000	108,554	168,888	90,941
6,001 – 50,000	91,984	348,857	94,181
50,001 – 100,000	0	0	0
100,001 – 1,000,000	0	0	0
1,000,001 or more	0	0	0
Total	**9,314,969**	**24,576,735**	**4,499,926**
1,000 or fewer	113,875	84,647	50,592
1,001 – 6,000	539,806	652,910	393,768
6,001 – 50,000	3,008,671	6,702,586	1,618,604
50,001 – 100,000	1,082,802	3,239,466	546,518
100,001 – 1,000,000	3,074,389	12,526,178	1,567,061
1,000,001 or more	1,495,426	1,370,948	323,383
Total	**9,314,969**	**24,576,735**	**4,499,926**
Option 1	4,136,066	2,344,689	2,546,452
Option 2	4,129,906	18,390,518	1,625,028
Option 3	1,048,997	3,841,528	328,446
Total	**9,314,969**	**24,576,735**	**4,499,926**
MTPS	2,996,365	5,735,143	1,412,805
Paper	139,000	52,170	108,147
Computer-readable	6,179,604	18,789,422	2,978,974
Total	**9,314,969**	**24,576,735**	**4,499,926**

Data Source: Geography Division.

* Government size is determined by the number of residential addresses in the MTdb at the beginning of the LUCA program. Includes GQ totals.

Table 36. 2010 Census LUCA Group Quarters (GQ) Address Records New Adds and Address Records Merged by Government Type, Size, Option, and Media Type

Government Type Size* Option Media Type	New Adds to the MAF Total	Merged with Existing Active MAF Records Total	Merged with Existing Ungeocoded MAF Records Total
State	**19,079**	**43,719**	**2,140**
1,000 or fewer	0	0	0
1,001 – 6,000	0	0	0
6,001 – 50,000	0	1	0
50,001 – 100,000	0	0	0
100,001 – 1,000,000	179	218	9
1,000,001 or more	18,900	43,500	2,131
AIR	**64**	**17**	**1**
1,000 or fewer	1	0	0
1,001 – 6,000	63	17	1
6,001 – 50,000	0	0	0
50,001 – 100,000	0	0	0
100,001 – 1,000,000	0	0	0
1,000,001 or more	0	0	0
County	**14,429**	**17,215**	**1,129**
1,000 or fewer	17	6	0
1,001 – 6,000	236	186	46
6,001 – 50,000	5,166	7,110	577
50,001 – 100,000	1,157	2,263	46
100,001 – 1,000,000	6,258	5,368	434
1,000,001 or more	1,595	2,282	26
Place	**19,917**	**31,975**	**1,398**
1,000 or fewer	668	253	27
1,001 – 6,000	2,568	1,019	573
6,001 – 50,000	7,339	9,398	658
50,001 – 100,000	2,466	5,089	51
100,001 – 1,000,000	4,902	6,739	48
1,000,001 or more	1,974	9,477	41
MCD	**816**	**1,355**	**188**
1,000 or fewer	95	35	11
1,001 – 6,000	379	359	120
6,001 – 50,000	342	961	57
50,001 – 100,000	0	0	0
100,001 – 1,000,000	0	0	0
1,000,001 or more	0	0	0
Total	**54,305**	**94,281**	**4,856**
1,000 or fewer	781	294	38
1,001 – 6,000	3,246	1,581	740
6,001 – 50,000	12,847	17,470	1,292
50,001 – 100,000	3,623	7,352	97
100,001 – 1,000,000	11,339	12,325	491
1,000,001 or more	22,469	55,259	2,198
Total	**54,305**	**94,281**	**4,856**
Option 1	16,348	21,348	1,591
Option 2	35,378	69,630	3,184
Option 3	2,579	3,303	81
Total	**54,305**	**94,281**	**4,856**
MTPS	24,521	38,054	1,309
Paper	600	307	87
Computer-readable	29,184	55,920	3,460
Total	**54,305**	**94,281**	**4,856**

Data Source: Geography Division.

* Government size is determined by the number of residential addresses in the MTdb at the beginning of the LUCA program.

Table 37. 2010 Census LUCA Option 1 Address Records Processed with Action Codes by Government Type and Size

Government Type Size*	Total All Actions	C - Corrections: House Number Total Processed	C - Corrections: All Other Cs Total Processed	D - Deletes Total Processed	J – Out of Jurisdiction Total Processed	N - Non Residential Total Processed
State	**30,763**	**885**	**18,822**	**10,905**	**78**	**73**
1,000 or fewer	0	0	0	0	0	0
1,001 – 6,000	0	0	0	0	0	0
6,001 – 50,000	8,592	719	5,846	1,888	78	61
50,001 – 100,000	0	0	0	0	0	0
100,001 – 1,000,000	439	11	418	10	0	0
1,000,001 or more	21,732	155	12,558	9,007	0	12
AIR	**3,133**	**85**	**1,005**	**438**	**1,580**	**25**
1,000 or fewer	589	45	337	168	21	18
1,001 – 6,000	2,329	35	537	192	1,558	7
6,001 – 50,000	215	5	131	78	1	0
50,001 – 100,000	0	0	0	0	0	0
100,001 – 1,000,000	0	0	0	0	0	0
1,000,001 or more	0	0	0	0	0	0
County	**1,350,924**	**34,791**	**762,085**	**254,433**	**287,837**	**11,778**
1,000 or fewer	414	107	150	121	7	29
1,001 – 6,000	36,094	3,250	20,782	7,409	4,398	255
6,001 – 50,000	442,329	20,012	235,266	97,829	85,338	3,884
50,001 – 100,000	258,238	6,908	155,341	54,338	35,746	5,905
100,001 – 1,000,000	609,518	4,511	346,218	94,736	162,348	1,705
1,000,001 or more	4,331	3	4,328	0	0	0
Place	**1,619,982**	**51,247**	**1,178,891**	**299,535**	**73,310**	**16,999**
1,000 or fewer	117,535	13,129	60,495	33,920	5,345	4,646
1,001 – 6,000	270,225	13,428	148,609	80,331	22,162	5,695
6,001 – 50,000	740,756	17,946	527,820	146,922	42,262	5,806
50,001 – 100,000	70,091	2,186	52,595	13,694	1,409	207
100,001 – 1,000,000	161,205	489	133,271	24,668	2,132	645
1,000,001 or more	260,170	4,069	256,101	0	0	0
MCD	**289,810**	**16,063**	**171,478**	**63,048**	**35,554**	**3,667**
1,000 or fewer	34,461	2,329	17,671	9,315	3,880	1,266
1,001 – 6,000	143,367	9,540	71,340	38,538	22,122	1,827
6,001 – 50,000	111,982	4,194	82,467	15,195	9,552	574
50,001 – 100,000	0	0	0	0	0	0
100,001 – 1,000,000	0	0	0	0	0	0
1,000,001 or more	0	0	0	0	0	0
Total	**3,294,612**	**103,071**	**2,132,281**	**628,359**	**398,359**	**32,542**
1,000 or fewer	152,999	15,610	78,653	43,524	9,253	5,959
1,001 – 6,000	452,015	26,253	241,268	126,470	50,240	7,784
6,001 – 50,000	1,303,874	42,876	851,530	261,912	137,231	10,325
50,001 – 100,000	328,329	9,094	207,936	68,032	37,155	6,112
100,001 – 1,000,000	771,162	5,011	479,907	119,414	164,480	2,350
1,000,001 or more	286,233	4,227	272,987	9,007	0	12
Total	**3,294,612**	**103,071**	**2,132,281**	**628,359**	**398,359**	**32,542**

Data Source: Geography Division.

* Government size is determined by the number of residential addresses in the MTdb at the beginning of the LUCA program.

Table 38. 2010 Census LUCA Address Records Merged with Other LUCA Records and Merged to Pre-existing Address Records

	Merged to Pre-Existing Records in the MAF	Participant Address Records Merged With Other LUCA Records
Total	**24,576,735**	**2,035,991**

Data Source: Geography Division.

Table 39. 2010 Census LUCA Ungeocoded Addresses by Government Type, Size, Option, and Media Type

Government Type Size* Option Media Type	Ungeocoded MAF address records geocoded by participants Total	Ungeocoded participant addresses assigned to a block by MAF upload processing Total	Ungeocoded addresses not assigned, rejected Total
State	**251,483**	**223**	**1**
1,000 or fewer	0	0	0
1,001 – 6,000	0	0	0
6,001 – 50,000	943	2	0
50,001 – 100,000	0	0	0
100,001 – 1,000,000	37,659	92	0
1,000,001 or more	212,881	129	1
AIR	**854**	**0**	**0**
1,000 or fewer	211	0	0
1,001 – 6,000	531	0	0
6,001 – 50,000	112	0	0
50,001 – 100,000	0	0	0
100,001 – 1,000,000	0	0	0
1,000,001 or more	0	0	0
County	**2,309,170**	**7,321**	**9**
1,000 or fewer	201	1	0
1,001 – 6,000	44,741	852	0
6,001 – 50,000	570,766	4,036	1
50,001 – 100,000	378,454	1,879	0
100,001 – 1,000,000	1,211,617	431	8
1,000,001 or more	103,391	122	0
Place	**1,740,144**	**48,688**	**0**
1,000 or fewer	37,027	373	0
1,001 – 6,000	257,555	1,379	0
6,001 – 50,000	952,602	2,580	0
50,001 – 100,000	168,064	296	0
100,001 – 1,000,000	317,785	44,059	0
1,000,001 or more	7,111	1	0
MCD	**198,275**	**494**	**0**
1,000 or fewer	13,153	71	0
1,001 – 6,000	90,941	224	0
6,001 – 50,000	94,181	199	0
50,001 – 100,000	0	0	0
100,001 – 1,000,000	0	0	0
1,000,001 or more	0	0	0
Total	**4,499,926**	**56,726**	**10**
1,000 or fewer	50,592	445	0
1,001 – 6,000	393,768	2,455	0
6,001 – 50,000	1,618,604	6,817	1
50,001 – 100,000	546,518	2,175	0
100,001 – 1,000,000	1,567,061	44,582	8
1,000,001 or more	323,383	252	1
Total	**4,499,926**	**56,726**	**10**
Option 1	2,546,452	3,630	10
Option 2	1,625,028	50,568	0
Option 3	328,446	2,528	0
Total	**4,499,926**	**56,726**	**10**
MTPS	1,412,805	2,294	8
Paper	108,147	432	0
Computer-readable	2,978,974	54,000	2
Total	**4,499,926**	**56,726**	**10**

Data Source: Geography Division.

* Government size is determined by the number of residential addresses in the MTdb at the beginning of the LUCA program.

Table 40. 2010 Census LUCA Address Actions for Single Housing Units and Multi-unit Structures by Government Type and Size

Government Type Size*	Single Housing Units	Multi-unit Structures
	Total	Total
State	**0**	**0**
1,000 or fewer	0	0
1,001 – 6,000	0	0
6,001 – 50,000	0	0
50,001 – 100,000	0	0
100,001 – 1,000,000	0	0
1,000,001 or more	0	0
AIR	**16,895**	**834**
1,000 or fewer	3,550	197
1,001 – 6,000	12,849	624
6,001 – 50,000	496	13
50,001 – 100,000	0	0
100,001 – 1,000,000	0	0
1,000,001 or more	0	0
County	**18,796,257**	**3,131,486**
1,000 or fewer	1,826	105
1,001 – 6,000	328,788	19,939
6,001 – 50,000	5,508,245	439,249
50,001 – 100,000	3,077,199	358,987
100,001 – 1,000,000	9,342,874	2,153,827
1,000,001 or more	537,325	159,379
Place	**11,447,369**	**5,159,941**
1,000 or fewer	257,884	39,355
1,001 – 6,000	946,833	225,167
6,001 – 50,000	4,612,405	1,468,637
50,001 – 100,000	1,285,507	486,965
100,001 – 1,000,000	3,998,262	1,982,254
1,000,001 or more	346,478	957,563
MCD	**1,075,557**	**187,414**
1,000 or fewer	94,315	6,130
1,001 – 6,000	449,183	63,449
6,001 – 50,000	532,059	117,835
50,001 – 100,000	0	0
100,001 – 1,000,000	0	0
1,000,001 or more	0	0
Total	**31,336,078**	**8,479,675**
1,000 or fewer	357,575	45,787
1,001 – 6,000	1,737,653	309,179
6,001 – 50,000	10,653,205	2,025,734
50,001 – 100,000	4,362,706	845,952
100,001 – 1,000,000	13,341,136	4,136,081
1,000,001 or more	883,803	1,116,942
Total	**31,336,078**	**8,479,675**

Data Source: Geography Division.

* Government size is determined by the number of residential addresses in the MTdb at the beginning of the LUCA program.

Table 41. 2010 Census LUCA Option 1 Block Challenges Processing Results by Government Type, and Size

Government Type Size*	Total Usable Block Challenges Processed		Total Files Processed	
	Total	% of Total	Total	% of Total
State	**5,986**	**6.0**	**6**	**0.6**
1,000 or fewer	0	0.0	0	0.0
1,001 – 6,000	0	0.0	0	0.0
6,001 – 50,000	0	0.0	0	0.0
50,001 – 100,000	0	0.0	0	0.0
100,001 – 1,000,000	5,200	5.2	5	0.5
1,000,001 or more	786	0.8	1	0.1
AIR	**1,395**	**1.4**	**11**	**1.1**
1,000 or fewer	93	0.1	5	0.5
1,001 – 6,000	503	0.5	4	0.4
6,001 – 50,000	14	0.0	1	0.1
50,001 – 100,000	785	0.8	1	0.1
100,001 – 1,000,000	0	0.0	0	0.0
1,000,001 or more	0	0.0	0	0.0
County	**60,585**	**60.4**	**109**	**10.6**
1,000 or fewer	1	0.0	3	0.3
1,001 – 6,000	2,611	2.6	22	2.1
6,001 – 50,000	19,295	19.2	58	5.6
50,001 – 100,000	13,973	13.9	10	1.0
100,001 – 1,000,000	24,705	24.6	16	1.6
1,000,001 or more	0	0.0	0	0.0
Place	**30,375**	**30.3**	**748**	**72.8**
1,000 or fewer	2,305	2.3	401	39.0
1,001 – 6,000	4,524	4.5	220	21.4
6,001 – 50,000	14,354	14.3	112	10.9
50,001 – 100,000	6,136	6.1	12	1.2
100,001 – 1,000,000	3,056	3.0	3	0.3
1,000,001 or more	0	0.0	0	0.0
MCD	**2,027**	2.0	**154**	**15.0**
1,000 or fewer	573	0.6	87	8.5
1,001 – 6,000	1,243	1.2	57	5.5
6,001 – 50,000	211	0.2	10	1.0
50,001 – 100,000	0	0.0	0	0.0
100,001 – 1,000,000	0	0.0	0	0.0
1,000,001 or more	0	0.0	0	0.0
Total	**100,368**	**100.0**	**1,028**	**100.0**
1,000 or fewer	2,972	3.0	496	48.2
1,001 – 6,000	8,881	8.8	303	29.5
6,001 – 50,000	33,874	33.7	181	17.6
50,001 – 100,000	20,894	20.8	23	2.2
100,001 – 1,000,000	32,961	32.8	24	2.3
1,000,001 or more	786	0.8	1	0.1
Total	**100,368**	**100.0**	**1,028**	**100.0**

Data Source: Geography Division.
* Government size is determined by the number of residential addresses in the MTdb at the beginning of the LUCA program.
Note: The sum of categories may not equal the total due to rounding.

Table 42. 2010 Census LUCA Addresses Added and Matched to Existing Addresses for Each TEA

	Total Added and Matched Addresses		Added Addresses		Matched Existing Address	
TEA*	**Total**	**% of Total**	**Total**	**% of Total**	**Total**	**% of Total**
1 – MO/MB	35,659,622	92.9	8,154,981	21.2	27,504,641	71.6
2 – U/L	1,473,546	3.8	699,136	1.8	774,410	2.0
5 – U/E	374,318	1.0	163,049	0.4	211,269	0.6
6 – Military	30,860	0.1	10,385	0.0	20,475	0.1
7 – UU/L	853,272	2.2	287,406	0.7	565,866	1.5
Total	**38,391,618**	**100.0**	**9,314,957**	**24.3**	**29,076,661**	**75.7**

*See Attachment A.

Note: The sum of categories may not equal the total due to rounding.

Table 43. 2010 Census LUCA Address Updates Field Verified During Address Canvassing Operation by Government Type, Size, and Option

Government type Size* Option	Addresses Submitted and Processed Total	Records Field Verified Total	Does Not Exist, Duplicate, or Nonresidential Total	Confirmed Total	Of Confirmed, Found in Different Form/Different Block Total
State	**2,002,206**	**2,054,755**	**743,259**	**1,311,496**	**280,821**
1,000 or fewer	0	0	0	0	0
1,001 – 6,000	0	0	0	0	0
6,001 – 50,000	12,075	3,773	1,881	1,892	2,598
50,001 – 100,000	0	0	0	0	0
100,001 – 1,000,000	507,906	513,042	131,371	381,671	27,061
1,000,001 or more	1,482,225	1,537,940	610,007	927,933	251,162
AIR	**17,616**	**14,191**	**4,891**	**9,300**	**2,989**
1,000 or fewer	3,660	2,690	1,559	1,131	772
1,001 – 6,000	13,451	11,146	3,267	7,879	2,134
6,001 – 50,000	505	355	65	290	83
50,001 – 100,000	0	0	0	0	0
100,001 – 1,000,000	0	0	0	0	0
1,000,001 or more	0	0	0	0	0
County	**21,834,841**	**21,405,355**	**4,411,242**	**16,994,113**	**2,369,350**
1,000 or fewer	2,181	1,627	477	1,150	247
1,001 – 6,000	346,530	299,486	123,653	175,833	48,704
6,001 – 50,000	5,907,682	5,543,257	1,580,781	3,962,476	704,388
50,001 – 100,000	3,427,231	3,349,007	695,295	2,653,712	337,643
100,001 – 1,000,000	11,458,357	11,521,827	1,890,761	9,631,066	1,224,577
1,000,001 or more	692,860	690,151	120,275	569,876	53,791
Place	**16,572,700**	**15,518,260**	**3,239,229**	**12,279,031**	**2,170,563**
1,000 or fewer	296,147	176,841	50,314	126,527	44,324
1,001 – 6,000	1,166,768	1,044,478	203,956	840,522	148,441
6,001 – 50,000	6,066,469	5,820,538	1,005,524	4,815,014	624,236
50,001 – 100,000	1,769,884	1,769,666	382,109	1,387,557	227,543
100,001 – 1,000,000	5,972,527	5,745,992	937,115	4,808,877	910,490
1,000,001 or more	1,300,905	960,745	660,211	300,534	215,529
MCD	**1,258,879**	**1,069,834**	**168,257**	**901,577**	**160,198**
1,000 or fewer	100,125	66,738	16,382	50,356	18,060
1,001 – 6,000	511,750	414,239	75,171	339,068	75,886
6,001 – 50,000	647,004	588,857	76,704	512,153	66,252
50,001 – 100,000	0	0	0	0	0
100,001 – 1,000,000	0	0	0	0	0
1,000,001 or more	0	0	0	0	0
Total	**41,686,242**	**40,062,395**	**8,566,878**	**31,495,517**	**4,983,921**
1,000 or fewer	402,113	247,896	68,732	179,164	63,403
1,001 – 6,000	2,038,499	1,769,349	406,047	1,363,302	275,165
6,001 – 50,000	12,633,735	11,956,780	2,664,955	9,291,825	1,397,557
50,001 – 100,000	5,197,115	5,118,673	1,077,404	4,041,269	565,186
100,001 – 1,000,000	17,938,790	17,780,861	2,959,247	14,821,614	2,162,128
1,000,001 or more	3,475,990	3,188,836	1,390,493	1,798,343	520,482
Total	**41,686,242**	**40,062,395**	**8,566,878**	**31,495,517**	**4,983,921**
Option 1	12,319,785	10,332,527	3,476,572	6,855,955	1,996,940
Option 2	24,147,486	24,446,366	4,092,437	20,353,929	2,986,981
Option 3	5,218,971	5,283,502	997,869	4,285,633	0
Total	**41,686,242**	**40,062,395**	**8,566,878**	**31,495,517**	**4,983,921**

Data Source: Geography Division.
* Government size is determined by the number of residential addresses in the MTdb at the beginning of the LUCA program.

Table 44. 2010 Census LUCA Participants that Received Feedback Materials by Option by Government Type and Size

Government Type Size*	Total Feedback	Received Feedback		
		Option 1	Option 2	Option 3
		Total	Total	Total
State	**24**	**17**	**5**	**2**
1,000 or fewer	0	0	0	0
1,001 – 6,000	0	0	0	0
6,001 – 50,000	1	1	0	0
50,001 – 100,000	0	0	0	0
100,001 – 1,000,000	7	6	5	1
1,000,001 or more	16	10	0	1
AIR	**59**	**50**	**4**	**5**
1,000 or fewer	37	32	3	2
1,001 – 6,000	15	12	1	2
6,001 – 50,000	6	5	0	1
50,001 – 100,000	1	1	0	0
100,001 – 1,000,000	0	0	0	0
1,000,001 or more	0	0	0	0
County	**1,201**	**675**	**409**	**117**
1,000 or fewer	12	9	2	1
1,001 – 6,000	171	83	74	14
6,001 – 50,000	694	388	242	64
50,001 – 100,000	147	88	41	18
100,001 – 1,000,000	172	103	49	20
1,000,001 or more	5	4	1	0
Place	**5,308**	**4,541**	**506**	**261**
1,000 or fewer	2,194	1961	149	84
1,001 – 6,000	1,773	1542	140	91
6,001 – 50,000	1,187	929	179	79
50,001 – 100,000	90	65	20	5
100,001 – 1,000,000	61	41	18	2
1,000,001 or more	3	3	0	0
MCD	**1,884**	**1,614**	**98**	**172**
1,000 or fewer	773	674	29	70
1,001 – 6,000	861	748	49	64
6,001 – 50,000	250	192	20	38
50,001 – 100,000	0	0	0	0
100,001 – 1,000,000	0	0	0	0
1,000,001 or more	0	0	0	0
Total	**8,476**	**6,897**	**1,022**	**557**
1,000 or fewer	3,016	2676	183	157
1,001 – 6,000	2,820	2385	264	171
6,001 – 50,000	2,138	1515	441	182
50,001 – 100,000	238	154	61	23
100,001 – 1,000,000	240	150	72	23
1,000,001 or more	24	17	1	1
Total	**8,476**	**6,897**	**1,022**	**557**

Data Source: Geography Division.

* Government size is determined by the number of residential addresses in the MTdb at the beginning of the LUCA program.

Table 45. 2010 Census LUCA Option 1 "A" Action Code Submissions and "A" Feedback Processing Codes by Government Type and Size

Government Type Size*	Total "A"s Submitted	"A" Feedback Processing Code				
		A1	A2	A3	A4	A5
State	**1,131,404**	**90,914**	**370,961**	**186,929**	**2,563**	**194**
1,000 or fewer	0	0	0	0	0	0
1,001 – 6,000	0	0	0	0	0	0
6,001 – 50,000	3,492	334	633	926	0	0
50,001 – 100,000	0	0	0	0	0	0
100,001 – 1,000,000	239,638	7,748	111,919	27,042	122	81
1,000,001 or more	888,274	82,832	258,409	158,961	2,441	113
AIR	**6,541**	**435**	**1,344**	**998**	**5**	**12**
1,000 or fewer	1,915	189	399	494	0	0
1,001 – 6,000	4,332	199	807	466	5	12
6,001 – 50,000	294	47	138	38	0	0
50,001 – 100,000	0	0	0	0	0	0
100,001 – 1,000,000	0	0	0	0	0	0
1,000,001 or more	0	0	0	0	0	0
County	**3,361,005**	**310,463**	**1,393,794**	**422,911**	**3,933**	**929**
1,000 or fewer	873	177	219	82	16	0
1,001 – 6,000	36,555	8,357	9,025	5,148	12	3
6,001 – 50,000	953,005	121,520	297,375	124,583	336	82
50,001 – 100,000	544,668	61,474	236,929	64,048	170	25
100,001 – 1,000,000	1,658,044	109,870	816,947	198,365	1,796	406
1,000,001 or more	167,860	9,065	33,299	30,685	1,603	413
Place	**4,197,475**	**282,367**	**1,497,061**	**566,924**	**8,084**	**6,234**
1,000 or fewer	110,169	18,886	37,656	15,832	285	57
1,001 – 6,000	463,888	37,556	220,236	57,617	861	208
6,001 – 50,000	1,535,632	116,310	721,484	210,309	2,013	931
50,001 – 100,000	356,602	19,909	134,750	55,883	387	280
100,001 – 1,000,000	687,319	43,922	222,402	73,223	2,078	776
1,000,001 or more	1,043,865	45,784	160,533	154,060	2,460	3,982
MCD	**369,469**	**48,245**	**167,795**	**51,938**	**451**	**223**
1,000 or fewer	40,021	6,851	14,113	7,169	93	3
1,001 – 6,000	184,999	23,405	83,386	25,895	166	203
6,001 – 50,000	144,449	17,989	70,296	18,874	192	17
50,001 – 100,000	0	0	0	0	0	0
100,001 – 1,000,000	0	0	0	0	0	0
1,000,001 or more	0	0	0	0	0	0
Total	**9,065,894**	**732,424**	**3,430,955**	**1,229,700**	**15,036**	**7,592**
1,000 or fewer	152,978	26,103	52,387	23,577	394	60
1,001 – 6,000	689,774	69,517	313,454	89,126	1,044	426
6,001 – 50,000	2,636,872	256,200	1,089,926	354,730	2,541	1,030
50,001 – 100,000	901,270	81,383	371,679	119,931	557	305
100,001 – 1,000,000	2,585,001	161,540	1,151,268	298,630	3,996	1,263
1,000,001 or more	2,099,999	137,681	452,241	343,706	6,504	4,508
Total	**9,065,894**	**732,424**	**3,430,955**	**1,229,700**	**15,036**	**7,592**

Data Source: Geography Division.
* Government size is determined by the number of residential addresses in the MTdb at the beginning of the LUCA program.
Note: See section 5.1.18 for descriptions of Option 1 "A" feedback processing codes.

Continued on next page

Table 45 continued. 2010 Census LUCA Option 1 "A" Action Code Submissions and "A" Feedback Processing Codes by Government Type and Size

Government Type Size*	"A" Feedback Processing Code					
	A6	A7	A8	A9	A10	A11
State	**7,015**	**2,434**	**410,498**	**3,309**	**39,942**	**16,645**
1,000 or fewer	0	0	0	0	0	0
1,001 – 6,000	0	0	0	0	0	0
6,001 – 50,000	3	10	1,528	6	49	3
50,001 – 100,000	0	0	0	0	0	0
100,001 – 1,000,000	1,283	373	80,649	288	6,441	3,692
1,000,001 or more	5,729	2,051	328,321	3,015	33,452	12,950
AIR	**18**	**39**	**3,527**	**93**	**57**	**13**
1,000 or fewer	15	12	713	85	6	2
1,001 – 6,000	2	22	2,772	4	32	11
6,001 – 50,000	1	5	42	4	19	0
50,001 – 100,000	0	0	0	0	0	0
100,001 – 1,000,000	0	0	0	0	0	0
1,000,001 or more	0	0	0	0	0	0
County	**16,829**	**10,076**	**1,060,276**	**16,527**	**109,753**	**15,514**
1,000 or fewer	31	4	290	1	46	7
1,001 – 6,000	149	369	12,165	58	1,175	94
6,001 – 50,000	4,926	4,927	346,885	7,160	40,146	5,065
50,001 – 100,000	1,459	1,492	163,729	1,302	13,580	460
100,001 – 1,000,000	8,879	3,159	453,805	7,705	50,664	6,448
1,000,001 or more	1,385	125	83,402	301	4,142	3,440
Place	**48,745**	**10,388**	**1,500,542**	**9,595**	**253,180**	**14,355**
1,000 or fewer	649	356	33,745	621	1,669	413
1,001 – 6,000	4,846	779	127,726	4,071	8,733	1,255
6,001 – 50,000	17,596	1,841	423,958	3,908	31,694	5,588
50,001 – 100,000	4,556	1,039	118,570	385	19,244	1,599
100,001 – 1,000,000	8,990	4,003	259,632	47	69,312	2,934
1,000,001 or more	12,108	2,370	536,911	563	122,528	2,566
MCD	**2,313**	**904**	**88,640**	**3,297**	**4,424**	**1,239**
1,000 or fewer	237	209	10,332	82	758	174
1,001 – 6,000	1,253	576	45,740	892	2,694	789
6,001 – 50,000	823	119	32,568	2,323	972	276
50,001 – 100,000	0	0	0	0	0	0
100,001 – 1,000,000	0	0	0	0	0	0
1,000,001 or more	0	0	0	0	0	0
Total	**74,920**	**23,841**	**3,063,483**	**32,821**	**407,356**	**47,766**
1,000 or fewer	932	581	45,080	789	2,479	596
1,001 – 6,000	6,250	1,746	188,403	5,025	12,634	2,149
6,001 – 50,000	23,349	6,902	804,981	13,401	72,880	10,932
50,001 – 100,000	6,015	2,531	282,299	1,687	32,824	2,059
100,001 – 1,000,000	19,152	7,535	794,086	8,040	126,417	13,074
1,000,001 or more	19,222	4,546	948,634	3,879	160,122	18,956
Total	**74,920**	**23,841**	**3,063,483**	**32,821**	**407,356**	**47,766**

Data Source: Geography Division.
* Government size is determined by the number of residential addresses in the MTdb at the beginning of the LUCA program.
Note: See section 5.1.18 for descriptions of the Option 1 "A" feedback processing codes.

Table 46. 2010 Census LUCA Option 1 "C" Action Code Submissions and "C" Feedback Processing Codes by Government Type and Size

Government type Size*	Total "C"s Submitted	"C" Feedback Processing Code				
		C1	C2	C3	C4	C5
State	**19,838**	**11,255**	**2,095**	**462**	**1,857**	**63**
1,000 or fewer	0	0	0	0	0	0
1,001 – 6,000	0	0	0	0	0	0
6,001 – 50,000	6,566	4,510	722	3	44	23
50,001 – 100,000	0	0	0	0	0	0
100,001 – 1,000,000	429	65	19	34	151	0
1,000,001 or more	12,843	6,680	1,354	425	1,662	40
AIR	**1,090**	**600**	**223**	**1**	**27**	**16**
1,000 or fewer	382	239	62	0	0	2
1,001 – 6,000	572	296	135	1	27	11
6,001 – 50,000	136	65	26	0	0	3
50,001 – 100,000	0	0	0	0	0	0
100,001 – 1,000,000	0	0	0	0	0	0
1,000,001 or more	0	0	0	0	0	0
County	**796,458**	**513,275**	**108,912**	**805**	**9,235**	**2,597**
1,000 or fewer	257	100	43	1	8	1
1,001 – 6,000	24,045	13,423	3,634	16	222	140
6,001 – 50,000	254,592	141,787	42,598	209	2,192	1,368
50,001 – 100,000	162,379	104,466	26,238	127	1,772	488
100,001 – 1,000,000	350,754	250,484	35,934	449	5,027	583
1,000,001 or more	4,431	3,015	465	3	14	17
Place	**1,227,394**	**832,813**	**165,754**	**2,593**	**25,010**	**2,578**
1,000 or fewer	73,519	50,274	8,506	175	590	248
1,001 – 6,000	161,915	107,501	19,716	423	3,089	279
6,001 – 50,000	543,186	396,925	56,168	936	11,259	783
50,001 – 100,000	54,826	42,668	4,265	128	1,426	85
100,001 – 1,000,000	133,772	87,917	15,630	310	2,273	527
1,000,001 or more	260,176	147,528	61,469	621	6,373	656
MCD	**190,903**	**126,943**	**23,978**	**304**	**2,758**	**373**
1,000 or fewer	20,018	10,338	3,743	27	188	87
1,001 – 6,000	81,104	48,600	12,112	155	1,318	155
6,001 – 50,000	89,781	68,005	8,123	122	1,252	131
50,001 – 100,000	0	0	0	0	0	0
100,001 – 1,000,000	0	0	0	0	0	0
1,000,001 or more	0	0	0	0	0	0
Total	**2,235,683**	**1,484,886**	**300,962**	**4,165**	**38,887**	**5,627**
1,000 or fewer	94,176	60,951	12,354	203	786	338
1,001 – 6,000	267,636	169,820	35,597	595	4,656	585
6,001 – 50,000	894,261	611,292	107,637	1,270	14,747	2,308
50,001 – 100,000	217,205	147,134	30,503	255	3,198	573
100,001 – 1,000,000	484,955	338,466	51,583	793	7,451	1,110
1,000,001 or more	277,450	157,223	63,288	1,049	8,049	713
Total	**2,235,683**	**1,484,886**	**300,962**	**4,165**	**38,887**	**5,627**

Data Source: Geography Division.
* Government size is determined by the number of residential addresses in the MTdb at the beginning of the LUCA program.
Note: See section 5.1.18 for descriptions of the Option 1 "C" feedback processing codes.

Continued on next page

Table 46 continued. 2010 Census LUCA Option 1 "C" Action Code Submissions and "C" Feedback Processing Codes by Government Type and Size

Government Type Size*	"C" Feedback Processing Code				
	C6	C7	C8	C9	C10
State	**3,388**	**131**	**0**	**81**	**506**
1,000 or fewer	0	0	0	0	0
1,001 – 6,000	0	0	0	0	0
6,001 – 50,000	1,018	1	0	26	219
50,001 – 100,000	0	0	0	0	0
100,001 – 1,000,000	127	0	0	6	27
1,000,001 or more	2,243	130	0	49	260
AIR	**158**	**0**	**0**	**5**	**60**
1,000 or fewer	68	0	0	0	11
1,001 – 6,000	68	0	0	2	32
6,001 – 50,000	22	0	0	3	17
50,001 – 100,000	0	0	0	0	0
100,001 – 1,000,000	0	0	0	0	0
1,000,001 or more	0	0	0	0	0
County	**105,593**	**1,513**	**103**	**4,630**	**49,795**
1,000 or fewer	96	0	0	2	6
1,001 – 6,000	4,539	13	0	239	1,819
6,001 – 50,000	46,621	1,264	84	2,158	16,311
50,001 – 100,000	20,718	130	0	988	7,452
100,001 – 1,000,000	33,054	23	2	1,230	23,968
1,000,001 or more	565	83	17	13	239
Place	**124,886**	**1,020**	**1**	**5,607**	**67,132**
1,000 or fewer	10,774	191	1	566	2,194
1,001 – 6,000	24,159	233	0	1,078	5,437
6,001 – 50,000	43,804	533	0	1,905	30,873
50,001 – 100,000	5,060	45	0	74	1,075
100,001 – 1,000,000	14,018	12	0	778	12,307
1,000,001 or more	27,071	6	0	1,206	15,246
MCD	**23,627**	**419**	**1**	**1,099**	**11,401**
1,000 or fewer	2,938	37	0	142	2,518
1,001 – 6,000	12,714	376	0	571	5,103
6,001 – 50,000	7,975	6	1	386	3,780
50,001 – 100,000	0	0	0	0	0
100,001 – 1,000,000	0	0	0	0	0
1,000,001 or more	0	0	0	0	0
Total	**257,652**	**3,083**	**105**	**11,422**	**128,894**
1,000 or fewer	13,876	228	1	710	4,729
1,001 – 6,000	41,480	622	0	1,890	12,391
6,001 – 50,000	99,440	1,804	85	4,478	51,200
50,001 – 100,000	25,778	175	0	1,062	8,527
100,001 – 1,000,000	47,199	35	2	2,014	36,302
1,000,001 or more	29,879	219	17	1,268	15,745
Total	**257,652**	**3,083**	**105**	**11,422**	**128,894**

Data Source: Geography Division.
* Government size is determined by the number of residential addresses in the MTdb at the beginning of the LUCA program.
Note: See section 5.1.18 for descriptions of the Option 1 "C" feedback processing codes.

Table 47. 2010 Census LUCA Option 1 "D" Action Code Submissions and "D" Feedback Processing Codes by Government Type and Size

Government Type Size*	Total "D"s Submitted	"D" Feedback Processing Code						
		D1	D2	D3	D4	D5	D6	D7
State	**10,922**	**8,202**	**2,515**	**17**	**0**	**69**	**45**	**74**
1,000 or fewer	0	0	0	0	0	0	0	0
1,001 – 6,000	0	0	0	0	0	0	0	0
6,001 – 50,000	1,888	925	876	0	0	40	24	23
50,001 – 100,000	0	0	0	0	0	0	0	0
100,001 – 1,000,000	10	8	0	0	0	0	2	0
1,000,001 or more	9,024	7,269	1,639	17	0	29	19	51
AIR	**438**	**273**	**150**	**0**	**0**	**10**	**1**	**4**
1,000 or fewer	168	108	50	0	0	6	0	4
1,001 – 6,000	192	106	81	0	0	4	1	0
6,001 – 50,000	78	59	19	0	0	0	0	0
50,001 – 100,000	0	0	0	0	0	0	0	0
100,001 – 1,000,000	0	0	0	0	0	0	0	0
1,000,001 or more	0	0	0	0	0	0	0	0
County	**254,882**	**139,415**	**107,049**	**152**	**297**	**3,240**	**3,149**	**1,580**
1,000 or fewer	121	38	52	0	0	6	22	3
1,001 – 6,000	7,411	3,892	3,162	2	0	144	86	125
6,001 – 50,000	98,007	55,101	39,403	132	46	1,785	845	695
50,001 – 100,000	54,348	29,969	22,609	10		614	920	226
100,001 – 1,000,000	94,995	50,415	41,823	8	251	691	1,276	531
1,000,001 or more	0	0	0	0	0	0	0	0
Place	**299,091**	**199,015**	**86,021**	**45**	**17**	**4,750**	**5,972**	**3,271**
1,000 or fewer	33,755	21,820	10,442	3	5	954	204	327
1,001 – 6,000	80,174	53,238	23,109	18	11	1,774	1,375	649
6,001 – 50,000	146,800	93,602	46,261	24	1	1,788	4,040	1,084
50,001 – 100,000	13,694	10,065	3,468	0	0	71	53	37
100,001 – 1,000,000	24,668	20,290	2,741	0	0	163	300	1,174
1,000,001 or more	0	0	0	0	0	0	0	0
MCD	**63,113**	**38,014**	**22,652**	**4**	**8**	**1,130**	**899**	**406**
1,000 or fewer	9,292	5,804	3,078	0	0	218	60	132
1,001 – 6,000	38,477	24,154	13,178	4	6	666	259	210
6,001 – 50,000	15,344	8,056	6,396	0	2	246	580	64
50,001 – 100,000	0	0	0	0	0	0	0	0
100,001 – 1,000,000	0	0	0	0	0	0	0	0
1,000,001 or more	0	0	0	0	0	0	0	0
Total	**628,446**	**384,919**	**218,387**	**218**	**322**	**9,199**	**10,066**	**5,335**
1,000 or fewer	43,336	27,770	13,622	3	5	1,184	286	466
1,001 – 6,000	126,254	81,390	39,530	24	17	2,588	1,721	984
6,001 – 50,000	262,117	157,743	92,955	156	49	3,859	5,489	1,866
50,001 – 100,000	68,042	40,034	26,077	10	0	685	973	263
100,001 – 1,000,000	119,673	70,713	44,564	8	251	854	1,578	1,705
1,000,001 or more	9,024	7,269	1,639	17	0	29	19	51
Total	**628,446**	**384,919**	**218,387**	**218**	**322**	**9,199**	**10,066**	**5,335**

Data Source: Geography Division.
* Government size is determined by the number of residential addresses in the MTdb at the beginning of the LUCA program.
Note: See section 5.1.18 for descriptions of the Option 1 "D" feedback processing codes.

Table 48. 2010 Census LUCA Option 1 "J" Action Code Submissions and "J" Feedback Processing Codes by Government Type and Size

Government Type Size*	Total "J"s Submitted	"J" Feedback Processing Code						
		J1	J2	J3	J4	J5	J6	J7
State	**78**	**24**	**54**	**0**	**0**	**0**	**0**	**0**
1,000 or fewer	0	0	0	0	0	0	0	0
1,001 – 6,000	0	0	0	0	0	0	0	0
6,001 – 50,000	78	24	54	0	0	0	0	0
50,001 – 100,000	0	0	0	0	0	0	0	0
100,001 – 1,000,000	0	0	0	0	0	0	0	0
1,000,001 or more	0	0	0	0	0	0	0	0
AIR	**1,580**	**258**	**1,307**	**0**	**0**	**8**	**0**	**7**
1,000 or fewer	21	12	9	0	0	0	0	0
1,001 – 6,000	1,558	245	1,298	0	0	8	0	7
6,001 – 50,000	1	1	0	0	0	0	0	0
50,001 – 100,000	0	0	0	0	0	0	0	0
100,001 – 1,000,000	0	0	0	0	0	0	0	0
1,000,001 or more	0	0	0	0	0	0	0	0
County	**234,584**	**27,816**	**202,230**	**10**	**5**	**872**	**2,965**	**686**
1,000 or fewer	7	3	3	0	0	1	0	0
1,001 – 6,000	4,398	506	3,808	0	0	21	36	27
6,001 – 50,000	85,348	8,115	75,584	6	4	364	1,073	202
50,001 – 100,000	35,746	4,171	30,884	0	0	187	418	86
100,001 – 1,000,000	109,084	15,021	91,951	4	0	299	1,438	371
1,000,001 or more	1	0	0	0	1	0	0	0
Place	**73,285**	**59,418**	**11,354**	**29**	**0**	**471**	**1,925**	**88**
1,000 or fewer	5,321	4,372	858	0	0	71	2	18
1,001 – 6,000	22,138	18,285	3,638	1	0	157	21	36
6,001 – 50,000	42,284	33,642	6,458	27	0	225	1,898	34
50,001 – 100,000	1,410	1,200	196	1	0	12	1	0
100,001 – 1,000,000	2,132	1,919	204	0	0	6	3	0
1,000,001 or more	0	0	0	0	0	0	0	0
MCD	**35,555**	**11,649**	**23,441**	**2**	**0**	**218**	**214**	**31**
1,000 or fewer	3,878	2,336	1,495	0	0	32	7	8
1,001 – 6,000	22,120	6,918	14,841	2	0	145	195	19
6,001 – 50,000	9,557	2,395	7,105	0	0	41	12	4
50,001 – 100,000	0	0	0	0	0	0	0	0
100,001 – 1,000,000	0	0	0	0	0	0	0	0
1,000,001 or more	0	0	0	0	0	0	0	0
Total	**345,082**	**99,165**	**238,386**	**41**	**5**	**1,569**	**5,104**	**812**
1,000 or fewer	9,227	6,723	2,365	0	0	104	9	26
1,001 – 6,000	50,214	25,954	23,585	3	0	331	252	89
6,001 – 50,000	137,268	44,177	89,201	33	4	630	2,983	240
50,001 – 100,000	37,156	5,371	31,080	1	0	199	419	86
100,001 – 1,000,000	111,216	16,940	92,155	4	0	305	1,441	371
1,000,001 or more	1	0	0	0	1	0	0	0
Total	**345,082**	**99,165**	**238,386**	**41**	**5**	**1,569**	**5,104**	**812**

Data Source: Geography Division.
* Government size is determined by the number of residential addresses in the MTdb at the beginning of the LUCA program.
Note: See section 5.1.18 for descriptions of the Option 1 "J" feedback processing codes.

Table 49. 2010 Census LUCA Option 1 "N" Action Code Submissions and "N" Feedback Processing Codes by Government Type and Size

Government Type Size*	Total "N"s Submitted	"N" Feedback Processing Code						
		N1	N2	N3	N4	N5	N6	N7
State	**73**	**19**	**24**	**27**	**0**	**0**	**1**	**2**
1,000 or fewer	0	0	0	0	0	0	0	0
1,001 – 6,000	0	0	0	0	0	0	0	0
6,001 – 50,000	61	16	22	20	0	0	1	2
50,001 – 100,000	0	0	0	0	0	0	0	0
100,001 – 1,000,000	0	0	0	0	0	0	0	0
1,000,001 or more	12	3	2	7	0	0	0	0
AIR	**25**	**15**	**4**	**5**	**0**	**0**	**1**	**0**
1,000 or fewer	18	12	4	2	0	0	0	0
1,001 – 6,000	7	3	0	3	0	0	1	0
6,001 – 50,000	0	0	0	0	0	0	0	0
50,001 – 100,000	0	0	0	0	0	0	0	0
100,001 – 1,000,000	0	0	0	0	0	0	0	0
1,000,001 or more	0	0	0	0	0	0	0	0
County	**12,663**	**2,539**	**5,254**	**3,783**	**15**	**870**	**163**	**39**
1,000 or fewer	29	1	20	7	0	0	1	0
1,001 – 6,000	255	48	101	96	0	0	2	8
6,001 – 50,000	4,358	989	1,297	1,497	15	459	87	14
50,001 – 100,000	6,315	793	3,205	1,884	0	410	15	8
100,001 – 1,000,000	1,705	708	631	299	0	0	58	9
1,000,001 or more	1	0	0	0	0	1	0	0
Place	**16,966**	**5,442**	**6,521**	**4,066**	**1**	**10**	**780**	**146**
1,000 or fewer	4,648	2,168	1,555	828	0	9	51	37
1,001 – 6,000	5,667	1,733	2,125	1,434	0	1	336	38
6,001 – 50,000	5,799	1,419	2,342	1,610	1	0	367	60
50,001 – 100,000	207	44	128	26	0	0	7	2
100,001 – 1,000,000	645	78	371	168	0	0	19	9
1,000,001 or more	0	0	0	0	0	0	0	0
MCD	**3,676**	**841**	**1,080**	**1,624**	**1**	**0**	**85**	**45**
1,000 or fewer	1,266	193	298	716	0	0	31	28
1,001 – 6,000	1,827	532	615	625	0	0	40	15
6,001 – 50,000	583	116	167	283	1	0	14	2
50,001 – 100,000	0	0	0	0	0	0	0	0
100,001 – 1,000,000	0	0	0	0	0	0	0	0
1,000,001 or more	0	0	0	0	0	0	0	0
Total	**33,403**	**8,856**	**12,883**	**9,505**	**17**	**880**	**1,030**	**232**
1,000 or fewer	5,961	2,374	1,877	1,553	0	9	83	65
1,001 – 6,000	7,756	2,316	2,841	2,158	0	1	379	61
6,001 – 50,000	10,801	2,540	3,828	3,410	17	459	469	78
50,001 – 100,000	6,522	837	3,333	1,910	0	410	22	10
100,001 – 1,000,000	2,350	786	1,002	467	0	0	77	18
1,000,001 or more	13	3	2	7	0	1	0	0
Total	**33,403**	**8,856**	**12,883**	**9,505**	**17**	**880**	**1,030**	**232**

Data Source: Geography Division.
* Government size is determined by the number of residential addresses in the MTdb at the beginning of the LUCA program.
Note: See section 5.1.18 for descriptions of the Option 1 "N" feedback processing codes.

Table 50. 2010 Census LUCA Option 1 "R1" and "R2" Feedback Processing Codes for Addresses Submitted with Blank or Erroneous Codes or Noncity-Style by Government Type and Size

Government Type Size*	"R1" Blank or No Action Code	"R2" Noncity-city Style
State	**0**	**3,672**
1,000 or fewer	0	0
1,001 – 6,000	0	0
6,001 – 50,000	0	0
50,001 – 100,000	0	0
100,001 – 1,000,000	0	0
1,000,001 or more	0	3,672
AIR	**0**	**0**
1,000 or fewer	0	0
1,001 – 6,000	0	0
6,001 – 50,000	0	0
50,001 – 100,000	0	0
100,001 – 1,000,000	0	0
1,000,001 or more	0	0
County	**11,535**	**7,376**
1,000 or fewer	0	2
1,001 – 6,000	1	7,036
6,001 – 50,000	11,530	38
50,001 – 100,000	1	299
100,001 – 1,000,000	3	1
1,000,001 or more	0	0
Place	**30**	**480**
1,000 or fewer	17	143
1,001 – 6,000	8	114
6,001 – 50,000	5	221
50,001 – 100,000	0	1
100,001 – 1,000,000	0	1
1,000,001 or more	0	0
MCD	**10**	**29**
1,000 or fewer	3	5
1,001 – 6,000	7	23
6,001 – 50,000	0	1
50,001 – 100,000	0	0
100,001 – 1,000,000	0	0
1,000,001 or more	0	0
Total	**11,575**	**11,557**
1,000 or fewer	20	150
1,001 – 6,000	16	7,173
6,001 – 50,000	11,535	260
50,001 – 100,000	1	300
100,001 – 1,000,000	3	2
1,000,001 or more	0	3,672
Total	**11,575**	**11,557**

Data Source: Geography Division.
* Government size is determined by the number of residential addresses in the MTdb at the beginning of the LUCA program.
Note: See section 5.1.18 for descriptions of the Option 1 "R1" and "R2" feedback processing codes.

Table 51. 2010 Census LUCA Option 1 "X1" Feedback Processing Code for Addresses Deleted During Address Canvassing by Government Type and Size

Government Type Size*	Total "X"s Full Address List	Total "X"s Appealed
State	**2,146,240**	**70,397**
1,000 or fewer	0	0
1,001 – 6,000	0	0
6,001 – 50,000	44,132	361
50,001 – 100,000	0	0
100,001 – 1,000,000	326,500	0
1,000,001 or more	1,775,608	70,036
AIR	**35,010**	**440**
1,000 or fewer	1,117	0
1,001 – 6,000	6,735	344
6,001 – 50,000	4,090	96
50,001 – 100,000	23,068	0
100,001 – 1,000,000	0	0
1,000,001 or more	0	0
County	**3,013,398**	**213,513**
1,000 or fewer	825	22
1,001 – 6,000	34,721	467
6,001 – 50,000	820,863	36,907
50,001 – 100,000	430,536	29,149
100,001 – 1,000,000	1,372,570	126,670
1,000,001 or more	353,883	20,298
Place	**1,761,785**	**255,285**
1,000 or fewer	44,086	2,435
1,001 – 6,000	204,800	19,161
6,001 – 50,000	613,404	96,405
50,001 – 100,000	189,213	31,006
100,001 – 1,000,000	486,611	82,207
1,000,001 or more	223,671	24,071
MCD	**217,993**	**21,737**
1,000 or fewer	25,760	613
1,001 – 6,000	103,610	6,597
6,001 – 50,000	88,623	14,527
50,001 – 100,000	0	0
100,001 – 1,000,000	0	0
1,000,001 or more	0	0
Total	**7,174,426**	**561,372**
1,000 or fewer	71,788	3,070
1,001 – 6,000	349,866	26,569
6,001 – 50,000	1,571,112	148,296
50,001 – 100,000	642,817	60,155
100,001 – 1,000,000	2,185,681	208,877
1,000,001 or more	2,353,162	114,405
Total	**7,174,426**	**561,372**

Data Source: Geography Division.
* Government size is determined by the number of residential addresses in the MTdb at the beginning of the LUCA program.
Note: See section 5.1.18 for a description of the Option 1 "X1" feedback processing code.

Table 52. 2010 Census LUCA Option 2 Address Submissions and "A" Feedback Processing Codes by Government Type and Size

Government Type Size*	Total "A"s Submitted	"A" Feedback Processing Code				
		A1	A2	A3	A4	A5
State	**579,396**	**23,815**	**191,417**	**89,201**	**31,975**	**5,645**
1,000 or fewer	0	0	0	0	0	0
1,001 – 6,000	0	0	0	0	0	0
6,001 – 50,000	0	0	0	0	0	0
50,001 – 100,000	0	0	0	0	0	0
100,001 – 1,000,000	0	0	0	0	0	0
1,000,001 or more	579,396	23,815	191,417	89,201	31,975	5,645
AIR	**5,001**	**189**	**3,394**	**306**	**1**	**0**
1,000 or fewer	1,213	40	184	155	0	0
1,001 – 6,000	3,788	149	3,210	151	1	0
6,001 – 50,000	0	0	0	0	0	0
50,001 – 100,000	0	0	0	0	0	0
100,001 – 1,000,000	0	0	0	0	0	0
1,000,001 or more	0	0	0	0	0	0
County	**13,576,325**	**434,012**	**8,952,559**	**1,524,205**	**7,581**	**5,863**
1,000 or fewer	902	84	626	60	2	0
1,001 – 6,000	250,099	26,086	90,653	32,856	126	112
6,001 – 50,000	3,565,352	206,072	1,960,543	420,463	2,775	4,053
50,001 – 100,000	1,837,972	58,627	1,180,304	191,980	765	766
100,001 – 1,000,000	7,397,590	139,726	5,319,929	856,205	3,913	932
1,000,001 or more	524,410	3,417	400,504	22,641	0	0
Place	**9,705,535**	**133,558**	**6,424,229**	**1,336,444**	**13,045**	**5,665**
1,000 or fewer	55,479	5,358	25,163	7,858	95	239
1,001 – 6,000	321,756	10,651	197,973	42,927	550	332
6,001 – 50,000	2,938,356	64,430	2,019,541	303,430	6,215	1,812
50,001 – 100,000	1,271,794	15,780	832,739	163,705	2,439	2,050
100,001 – 1,000,000	5,118,150	37,339	3,348,813	818,524	3,746	1,232
1,000,001 or more	0	0	0	0	0	0
MCD	**325,923**	**8,665**	**233,164**	**36,565**	**140**	**56**
1,000 or fewer	9,104	1,025	4,594	1,859	3	1
1,001 – 6,000	88,895	4,639	60,381	9,235	33	20
6,001 – 50,000	227,924	3,001	168,189	25,471	104	35
50,001 – 100,000	0	0	0	0	0	0
100,001 – 1,000,000	0	0	0	0	0	0
1,000,001 or more	0	0	0	0	0	0
Total	**24,192,180**	**600,239**	**15,804,763**	**2,986,721**	**52,742**	**17,229**
1,000 or fewer	66,698	6,507	30,567	9,932	100	240
1,001 – 6,000	664,538	41,525	352,217	85,169	710	464
6,001 – 50,000	6,731,632	273,503	4,148,273	749,364	9,094	5,900
50,001 – 100,000	3,109,766	74,407	2,013,043	355,685	3,204	2,816
100,001 – 1,000,000	12,515,740	177,065	8,668,742	1,674,729	7,659	2,164
1,000,001 or more	1,103,806	27,232	591,921	111,842	31,975	5,645
Total	**24,192,180**	**600,239**	**15,804,763**	**2,986,721**	**52,742**	**17,229**

Data Source: Geography Division.
* Government size is determined by the number of residential addresses in the MTdb at the beginning of the LUCA program.
Note: See section 5.1.19 for descriptions of the Option 2 "A" feedback processing codes.

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Table 52 continued. 2010 Census LUCA Option 2 Address Submissions and "A" Feedback Processing Codes by Government Type and Size

Government Type Size*	"A" Feedback Processing Code					
	A6	A7	A8	A9	A10	A11
State	**7,784**	**1,617**	**206,862**	**308**	**20,379**	**393**
1,000 or fewer	0	0	0	0	0	0
1,001 – 6,000	0	0	0	0	0	0
6,001 – 50,000	0	0	0	0	0	0
50,001 – 100,000	0	0	0	0	0	0
100,001 – 1,000,000	0	0	0	0	0	0
1,000,001 or more	7,784	1,617	206,862	308	20,379	393
AIR	**5**	**26**	**962**	**0**	**118**	**0**
1,000 or fewer	0	2	785	0	47	0
1,001 – 6,000	5	24	177	0	71	0
6,001 – 50,000	0	0	0	0	0	0
50,001 – 100,000	0	0	0	0	0	0
100,001 – 1,000,000	0	0	0	0	0	0
1,000,001 or more	0	0	0	0	0	0
County	**56,927**	**37,352**	**2,255,115**	**18,677**	**258,341**	**25,693**
1,000 or fewer	0	14	113	0	3	0
1,001 – 6,000	819	1,664	89,793	1,016	6,035	939
6,001 – 50,000	11,585	16,832	829,642	12,296	95,550	5,541
50,001 – 100,000	10,428	4,884	335,938	3,143	51,072	65
100,001 – 1,000,000	34,006	13,308	903,565	2,222	104,636	19,148
1,000,001 or more	89	650	96,064	0	1,045	0
Place	**70,519**	**42,135**	**1,543,484**	**5,021**	**128,977**	**2,458**
1,000 or fewer	169	197	15,092	52	1,248	8
1,001 – 6,000	3,372	628	59,914	196	5,157	56
6,001 – 50,000	17,850	3,756	465,442	681	54,217	982
50,001 – 100,000	11,454	2,822	209,886	441	30,383	95
100,001 – 1,000,000	37,674	34,732	793,150	3,651	37,972	1,317
1,000,001 or more	0	0	0	0	0	0
MCD	**2,154**	**331**	**39,729**	**115**	**4,865**	**139**
1,000 or fewer	18	41	1,468	2	93	0
1,001 – 6,000	790	119	12,382	37	1,222	37
6,001 – 50,000	1,346	171	25,879	76	3,550	102
50,001 – 100,000	0	0	0	0	0	0
100,001 – 1,000,000	0	0	0	0	0	0
1,000,001 or more	0	0	0	0	0	0
Total	**137,389**	**81,461**	**4,046,152**	**24,121**	**412,680**	**28,683**
1,000 or fewer	187	254	17,458	54	1,391	8
1,001 – 6,000	4,986	2,435	162,266	1,249	12,485	1,032
6,001 – 50,000	30,781	20,759	1,320,963	13,053	153,317	6,625
50,001 – 100,000	21,882	7,706	545,824	3,584	81,455	160
100,001 – 1,000,000	71,680	48,040	1,696,715	5,873	142,608	20,465
1,000,001 or more	7,873	2,267	302,926	308	21,424	393
Total	**137,389**	**81,461**	**4,046,152**	**24,121**	**412,680**	**28,683**

Data Source: Geography Division.

* Government size is determined by the number of residential addresses in the MTdb at the beginning of the LUCA program.

Note: See section 5.1.19 for descriptions of the Option 2 "A" feedback processing codes.

Tables 53 and 54. 2010 Census LUCA Option 2 "R" and "X1" Feedback Processing Codes by Government Type and Size

Government Type Size*	Total "R2"	Total "X1"	Total "X1" Appealed
State	**0**	**2,074,491**	**3,337**
1,000 or fewer	0	0	0
1,001 – 6,000	0	0	0
6,001 – 50,000	0	0	0
50,001 – 100,000	0	0	0
100,001 – 1,000,000	0	0	0
1,000,001 or more	0	2,074,491	3,337
AIR	**0**	**730**	**4**
1,000 or fewer	0	251	0
1,001 – 6,000	0	479	4
6,001 – 50,000	0	0	0
50,001 – 100,000	0	0	0
100,001 – 1,000,000	0	0	0
1,000,001 or more	0	0	0
County	**272**	**1,331,950**	**60,587**
1,000 or fewer	0	88	0
1,001 – 6,000	0	59,281	590
6,001 – 50,000	272	463,948	19,081
50,001 – 100,000	0	199,897	8,594
100,001 – 1,000,000	0	546,301	32,322
1,000,001 or more	0	62,435	0
Place	**0**	**387,632**	**34,761**
1,000 or fewer	0	8,381	273
1,001 – 6,000	0	25,461	1,176
6,001 – 50,000	0	135,824	12,423
50,001 – 100,000	0	75,214	6,460
100,001 – 1,000,000	0	142,752	14,429
1,000,001 or more	0	0	0
MCD	**0**	**17,914**	**738**
1,000 or fewer	0	2,626	0
1,001 – 6,000	0	8,099	90
6,001 – 50,000	0	7,189	648
50,001 – 100,000	0	0	0
100,001 – 1,000,000	0	0	0
1,000,001 or more	0	0	0
Total	**272**	**3,812,717**	**99,427**
1,000 or fewer	0	11,346	273
1,001 – 6,000	0	93,320	1,860
6,001 – 50,000	272	606,961	32,152
50,001 – 100,000	0	275,111	15,054
100,001 – 1,000,000	0	689,053	46,751
1,000,001 or more	0	2,136,926	3,337
Total	**272**	**3,812,717**	**99,427**

Data Source: Geography Division.
* Government size is determined by the number of residential addresses in the MTdb at the beginning of the LUCA program.
Note: See section 5.1.19 for descriptions of the Option 2 "R2" and "X1" feedback processing codes.

Table 55. 2010 Census LUCA Option 3 Submitted Addresses Processed by the Census Bureau by Government Type and Size

Government Type Size*	Total Submitted	Addresses Processed					
		Total Confirmed in Address Canvassing	Unmatched New Adds Confirmed in Address Canvassing	Matched Existing	Added but Different Version	OLQ	Identified as OLQ
State	**281,491**	**235,319**	**35,818**	**199,501**	**38,209**	**829**	**796**
1,000 or fewer	0	0	0	0	0	0	0
1,001 – 6,000	0	0	0	0	0	0	0
6,001 – 50,000	0	0	0	0	0	0	0
50,001 – 100,000	0	0	0	0	0	0	0
100,001 – 1,000,000	272,001	226,758	35,309	191,449	37,964	822	789
1,000,001 or more	9,490	8,561	509	8,052	245	7	7
AIR	**3,054**	**2,777**	**179**	**2,598**	**241**	**1**	**1**
1,000 or fewer	30	27	0	27	8	0	0
1,001 – 6,000	3,024	2,750	179	2,571	233	1	1
6,001 – 50,000	0	0	0	0	0	0	0
50,001 – 100,000	0	0	0	0	0	0	0
100,001 – 1,000,000	0	0	0	0	0	0	0
1,000,001 or more	0	0	0	0	0	0	0
County	**3,600,718**	**2,786,359**	**220,306**	**2,566,053**	**765,023**	**9,760**	**9,139**
1,000 or fewer	0	0	0	0	0	0	0
1,001 – 6,000	25,962	16,276	5,746	10,530	4,708	141	123
6,001 – 50,000	976,257	723,335	90,922	632,413	149,072	3,025	2,651
50,001 – 100,000	794,720	657,469	40,024	617,445	166,157	2,431	2,316
100,001 – 1,000,000	1,803,779	1,389,279	83,614	1,305,665	445,086	4,163	4,049
1,000,001 or more	0	0	0	0	0	0	0
Place	**1,069,455**	**916,189**	**47,855**	**868,334**	**203,541**	**2,605**	**2,078**
1,000 or fewer	13,669	11,686	2,059	9,627	1,800	47	39
1,001 – 6,000	118,071	97,878	7,698	90,180	18,618	158	121
6,001 – 50,000	849,948	736,637	33,383	703,254	166,797	1,905	1,457
50,001 – 100,000	73,938	57,542	3,128	54,414	15,499	145	111
100,001 – 1,000,000	13,829	12,446	1,587	10,859	827	350	350
1,000,001 or more	0	0	0	0	0	0	0
MCD	**273,107**	**240,424**	**16,443**	**223,981**	**38,177**	**981**	**895**
1,000 or fewer	16,804	13,478	2,145	11,333	1,960	69	67
1,001 – 6,000	89,710	76,698	6,321	70,377	12,287	440	407
6,001 – 50,000	166,593	150,248	7,977	142,271	23,930	472	421
50,001 – 100,000	0	0	0	0	0	0	0
100,001 – 1,000,000	0	0	0	0	0	0	0
1,000,001 or more	0	0	0	0	0	0	0
Total	**5,227,825**	**4,181,068**	**320,601**	**3,860,467**	**1,045,191**	**14,176**	**12,909**
1,000 or fewer	30,503	25,191	4,204	20,987	3,768	116	106
1,001 – 6,000	236,767	193,602	19,944	173,658	35,846	740	652
6,001 – 50,000	1,992,798	1,610,220	132,282	1,477,938	339,799	5,402	4,529
50,001 – 100,000	868,658	715,011	43,152	671,859	181,656	2,576	2,427
100,001 – 1,000,000	2,089,609	1,628,483	120,510	1,507,973	483,877	5,335	5,188
1,000,001 or more	9,490	8,561	509	8,052	245	7	7
Total	**5,227,825**	**4,181,068**	**320,601**	**3,860,467**	**1,045,191**	**14,176**	**12,909**

Data Source: Geography Division.
* Government size is determined by the number of residential addresses in the MTdb at the beginning of the LUCA program.

Continued on next page

Table 55 continued. 2010 Census LUCA Option 3 Submitted Addresses Processed by the Census Bureau by Government Type and Size

Government Type Size*	Total Submitted	Addresses Processed				
		Uninhabitable	Not Found	Missing Data or Format	Nonresidential	Could not be Processed
State	**281,491**	**708**	**2,989**	**153**	**1,533**	**2**
1,000 or fewer	0	0	0	0	0	0
1,001 – 6,000	0	0	0	0	0	0
6,001 – 50,000	0	0	0	0	0	0
50,001 – 100,000	0	0	0	0	0	0
100,001 – 1,000,000	272,001	691	2,981	152	1,495	2
1,000,001 or more	9,490	17	8	1	38	0
AIR	**3,054**	**21**	**0**	**7**	**21**	**0**
1,000 or fewer	30	0	0	0	0	0
1,001 – 6,000	3,024	21	0	7	21	0
6,001 – 50,000	0	0	0	0	0	0
50,001 – 100,000	0	0	0	0	0	0
100,001 – 1,000,000	0	0	0	0	0	0
1,000,001 or more	0	0	0	0	0	0
County	**3,600,718**	**7,116**	**29,200**	**258**	**87,228**	**5,713**
1,000 or fewer	0	0	0	0	0	0
1,001 – 6,000	25,962	158	16	5	436	3
6,001 – 50,000	976,257	2,978	6,524	23	26,231	318
50,001 – 100,000	794,720	2,068	3,834	170	23,546	3,218
100,001 – 1,000,000	1,803,779	1,912	18,826	60	37,015	2,174
1,000,001 or more	0	0	0	0	0	0
Place	**1,069,455**	**1,052**	**10,552**	**393**	**17,562**	**323**
1,000 or fewer	13,669	41	46	2	116	1
1,001 – 6,000	118,071	67	2,323	315	1,657	3
6,001 – 50,000	849,948	857	5,797	66	14,233	291
50,001 – 100,000	73,938	85	2,302	9	1,424	2
100,001 – 1,000,000	13,829	2	84	1	132	26
1,000,001 or more	0	0	0	0	0	0
MCD	**273,107**	**263**	**3,863**	**36**	**2,427**	**21**
1,000 or fewer	16,804	59	47	17	178	0
1,001 – 6,000	89,710	108	1,430	10	571	14
6,001 – 50,000	166,593	96	2,386	9	1,678	7
50,001 – 100,000	0	0	0	0	0	0
100,001 – 1,000,000	0	0	0	0	0	0
1,000,001 or more	0	0	0	0	0	0
Total	**5,227,825**	**9,160**	**46,604**	**847**	**108,771**	**6,059**
1,000 or fewer	30,503	100	93	19	294	1
1,001 – 6,000	236,767	354	3,769	337	2,685	20
6,001 – 50,000	1,992,798	3,931	14,707	98	42,142	616
50,001 – 100,000	868,658	2,153	6,136	179	24,970	3,220
100,001 – 1,000,000	2,089,609	2,605	21,891	213	38,642	2,202
1,000,001 or more	9,490	17	8	1	38	0
Total	**5,227,825**	**9,160**	**46,604**	**847**	**108,771**	**6,059**

Data Source: Geography Division.

* Government size is determined by the number of residential addresses in the MTdb at the beginning of the LUCA program.

Table 56. 2010 Census LUCA Option 1 Block Challenges by Government Type and Size

Government Type Size*	Total Returns with Block Challenges	Total Blocks Nullified
State	**6**	**69**
1,000 or fewer	0	0
1,001 – 6,000	0	0
6,001 – 50,000	0	0
50,001 – 100,000	0	0
100,001 – 1,000,000	5	65
1,000,001 or more	1	4
AIR	**11**	**3**
1,000 or fewer	5	3
1,001 – 6,000	4	0
6,001 – 50,000	1	0
50,001 – 100,000	1	0
100,001 – 1,000,000	0	0
1,000,001 or more	0	0
County	**109**	**16,290**
1,000 or fewer	3	4
1,001 – 6,000	22	41
6,001 – 50,000	58	2,337
50,001 – 100,000	10	3,888
100,001 – 1,000,000	16	10,020
1,000,001 or more	0	**0**
Place	**748**	**10,515**
1,000 or fewer	401	886
1,001 – 6,000	220	2,342
6,001 – 50,000	112	7,079
50,001 – 100,000	12	199
100,001 – 1,000,000	3	9
1,000,001 or more	0	0
MCD	**154**	**329**
1,000 or fewer	87	95
1,001 – 6,000	57	226
6,001 – 50,000	10	8
50,001 – 100,000	0	0
100,001 – 1,000,000	0	0
1,000,001 or more	0	0
Total	**1,028**	**27,206**
1,000 or fewer	496	988
1,001 – 6,000	303	2,609
6,001 – 50,000	181	9,424
50,001 – 100,000	23	4,087
100,001 – 1,000,000	24	10,094
1,000,001 or more	1	4
Total	**1,028**	**27,206**

Data Source: Geography Division.
* Government size is determined by the number of residential addresses in the MTdb at the beginning of the LUCA program.

Table 57. 2010 Census LUCA Option 1 and Option 2 Comparison of Full Address List to the Initial Address List by Government Type, Size, and Option

Government Type Size* Option	Total Addresses on Initial Address List	Total Addresses on Full Address List	Difference
State	**26,323,914**	**27,406,081**	**1,082,167**
1,000 or fewer	0	0	0
1,001 – 6,000	0	0	0
6,001 – 50,000	361,848	361,294	-554
50,001 – 100,000	0	0	0
100,001 – 1,000,000	1,443,754	1,629,835	186,081
1,000,001 or more	24,518,312	25,414,952	896,640
AIR	**151,005**	**168,782**	**17,777**
1,000 or fewer	8,072	8,999	927
1,001 – 6,000	33,017	34,634	1,617
6,001 – 50,000	45,865	47,382	1,517
50,001 – 100,000	64,051	77,767	13,716
100,001 – 1,000,000	0	0	0
1,000,001 or more	0	0	0
County	**68,527,970**	**72,557,991**	**4,030,021**
1,000 or fewer	6,480	7,122	642
1,001 – 6,000	554,614	595,387	40,773
6,001 – 50,000	11,994,976	12,764,083	769,107
50,001 – 100,000	8,368,438	9,013,600	645,162
100,001 – 1,000,000	37,837,242	40,068,888	2,231,646
1,000,001 or more	9,766,220	10,108,911	342,691
Place	49,789,710	51,806,692	**2,016,982**
1,000 or fewer	817,383	866,989	49,606
1,001 – 6,000	4,239,473	4,516,721	277,248
6,001 – 50,000	18,557,745	19,634,844	1,077,099
50,001 – 100,000	5,544,888	5,724,496	179,608
100,001 – 1,000,000	14,542,091	14,849,782	307,691
1,000,001 or more	6,088,130	6,213,860	125,730
MCD	**4,643,431**	**4,878,092**	**234,661**
1,000 or fewer	325,693	340,297	14,604
1,001 – 6,000	1,791,288	1,893,747	102,459
6,001 – 50,000	2,526,450	2,644,048	117,598
50,001 – 100,000	0	0	0
100,001 – 1,000,000	0	0	0
1,000,001 or more	0	0	0
Total	**149,436,030**	**156,817,638**	**7,381,608**
1,000 or fewer	1,157,628	1,223,407	65,779
1,001 – 6,000	6,618,392	7,040,489	422,097
6,001 – 50,000	33,486,884	35,451,651	1,964,767
50,001 – 100,000	13,977,377	14,815,863	838,486
100,001 – 1,000,000	53,823,087	56,548,505	2,725,418
1,000,001 or more	40,372,662	41,737,723	1,365,061
Total	**149,436,030**	**156,817,638**	**7,381,608**
Option 1	110,213,339	115,009,580	4,796,241
Option 2	39,222,691	41,808,058	2,585,367
Total	**149,436,030**	**156,817,638**	**7,381,608**

Data Source: Geography Division.

* Government size is determined by the number of residential addresses in the MTdb at the beginning of the LUCA program.

Table 58. 2010 Census LUCA Addresses Identified by Participants as Group Quarters by Government Type, Size, and Option

Government Type Size* Option	Total Participant Submitted GQs	Total Participant Submitted GQs Verified	Total Participant Submitted GQs Identified as Not GQs
State	**52,288**	**23,552**	**28,588**
1,000 or fewer	0	0	0
1,001 – 6,000	0	0	0
6,001 – 50,000	75	8	67
50,001 – 100,000	0	0	0
100,001 – 1,000,000	2,432	391	2,041
1,000,001 or more	49,781	23,153	26,480
AIR	**149**	**20**	**129**
1,000 or fewer	16	1	15
1,001 – 6,000	132	18	114
6,001 – 50,000	1	1	0
50,001 – 100,000	0	0	0
100,001 – 1,000,000	0	0	0
1,000,001 or more	0	0	0
County	**118,233**	**13,885**	**104,299**
1,000 or fewer	81	17	64
1,001 – 6,000	1,645	253	1,391
6,001 – 50,000	27,616	4,103	23,497
50,001 – 100,000	19,639	1,600	18,035
100,001 – 1,000,000	66,190	6,713	59,455
1,000,001 or more	3,062	1,199	1,857
Place	**182,718**	**22,076**	**160,557**
1,000 or fewer	2,359	612	1,747
1,001 – 6,000	15,516	2,176	13,323
6,001 – 50,000	66,860	8,655	58,194
50,001 – 100,000	20,499	2,200	18,295
100,001 – 1,000,000	55,878	5,620	50,234
1,000,001 or more	21,606	2,813	18,764
MCD	**10,661**	**1,586**	**9,072**
1,000 or fewer	766	198	568
1,001 – 6,000	4,854	661	4,193
6,001 – 50,000	5,041	727	4,311
50,001 – 100,000	0	0	0
100,001 – 1,000,000	0	0	0
1,000,001 or more	0	0	0
Total	**364,049**	**61,119**	**302,645**
1,000 or fewer	3,222	828	2,394
1,001 – 6,000	22,147	3,108	19,021
6,001 – 50,000	99,593	13,494	86,069
50,001 – 100,000	40,138	3,800	36,330
100,001 – 1,000,000	124,500	12,724	111,730
1,000,001 or more	74,449	27,165	47,101
Total	**364,049**	**61,119**	**302,645**
Option 1	153,864	22,577	131,207
Option 2	189,428	35,823	153,410
Option 3	20,757	2,719	18,028
Total	**364,049**	**61,119**	**302,645**

Data Source: Geography Division.

* Government size is determined by the number of residential addresses in the MTdb at the beginning of the LUCA program.

Table 59. 2010 Census LUCA Option 1 and Option 2 Address Appeals by Government Type, Size, and Option

Government Type Size* Option	Total Eligible Gov'ts	Total Gov'ts Filing Appeals	Total Address Appeals	Total Accepted	Total Rejected	Total Enumerated
State	**21**	**11**	**230,516**	**230,502**	**14**	**85,525**
1,000 or fewer	0	0	0	0	0	0
1,001 – 6,000	0	0	0	0	0	0
6,001 – 50,000	1	1	1,799	1,798	1	829
50,001 – 100,000	0	0	0	0	0	0
100,001 – 1,000,000	6	1	40,064	40,064	0	10,374
1,000,001 or more	14	9	188,653	188,640	13	74,322
AIR	**51**	**5**	**2,874**	**2,820**	**54**	**104**
1,000 or fewer	33	0	0	0	0	0
1,001 – 6,000	13	4	2,776	2,724	52	90
6,001 – 50,000	4	1	98	96	2	14
50,001 – 100,000	1	0	0	0	0	0
100,001 – 1,000,000	0	0	0	0	0	0
1,000,001 or more	0	0	0	0	0	0
County	**1,045**	**405**	**779,576**	**726,253**	**53,323**	**420,919**
1,000 or fewer	10	1	44	44	0	16
1,001 – 6,000	149	41	25,005	22,146	2,859	10,380
6,001 – 50,000	603	207	196,408	183,787	12,621	94,390
50,001 – 100,000	127	66	115,522	94,022	21,500	54,212
100,001 – 1,000,000	151	87	418,030	401,687	16,343	244,380
1,000,001 or more	5	3	24,567	24,567	0	17,541
Place	**4,849**	**1,625**	**741,931**	**635,768**	**106,163**	**379,743**
1,000 or fewer	2,034	508	15,313	13,089	2,224	8,749
1,001 – 6,000	1,598	524	66,514	48,342	18,172	34,481
6,001 – 50,000	1,072	495	299,596	236,347	63,249	155,058
50,001 – 100,000	83	52	94,068	82,422	11,646	59,425
100,001 – 1,000,000	59	44	217,880	207,008	10,872	108,923
1,000,001 or more	3	2	48,560	48,560	0	13,107
MCD	**1,621**	**372**	**41,270**	**39,154**	**2,116**	**28,942**
1,000 or fewer	679	107	2,450	1,966	484	1,505
1,001 – 6,000	747	193	15,888	14,888	1,000	11,041
6,001 – 50,000	195	72	22,932	22,300	632	16,396
50,001 – 100,000	0	0	0	0	0	0
100,001 – 1,000,000	0	0	0	0	0	0
1,000,001 or more	0	0	0	0	0	0
Total	**7,587**	**2,418**	**1,796,167**	**1,634,497**	**161,670**	**915,233**
1,000 or fewer	2,756	616	17,807	15,099	2,708	10,270
1,001 – 6,000	2,507	762	110,183	88,100	22,083	55,992
6,001 – 50,000	1,875	776	520,833	444,328	76,505	266,687
50,001 – 100,000	211	118	209,590	176,444	33,146	113,637
100,001 – 1,000,000	216	132	675,974	648,759	27,215	363,677
1,000,001 or more	22	14	261,780	261,767	13	104,970
Total	**7,587**	**2,418**	**1,796,167**	**1,634,497**	**161,670**	**915,233**
Option 1	6,630	2,060	1,166,615	1,033,865	132,750	583,703
Option 2	957	358	629,552	600,632	28,920	331,530
Total	**7,587**	**2,418**	**1,796,167**	**1,634,497**	**161,670**	**915,233**

Data Source: Geography Division.

* Government size is determined by the number of residential addresses in the MTdb at the beginning of the LUCA program

Table 60. 2010 Census LUCA Accepted Appealed Addresses Included in the Late Mailout by Government Type, Size, and Option

Government Type Size* Option	Total in Late Mailout	Total Matched to Non-ID Returns	Total Returns Before VDC	Total Visited During VDC
State	**190,680**	**7,312**	**0**	**140,216**
1,000 or fewer	0	0	0	0
1,001 – 6,000	0	0	0	0
6,001 – 50,000	1,008	22	0	962
50,001 – 100,000	0	0	0	0
100,001 – 1,000,000	28,522	413	0	27,429
1,000,001 or more	161,150	6,877	0	111,825
AIR	**78**	**116**	**4**	**43**
1,000 or fewer	0	0	0	0
1,001 – 6,000	78	112	0	43
6,001 – 50,000	0	4	4	0
50,001 – 100,000	0	0	0	0
100,001 – 1,000,000	0	0	0	0
1,000,001 or more	0	0	0	0
County	**611,924**	**51,790**	**5**	**333,890**
1,000 or fewer	0	0	0	27
1,001 – 6,000	1,834	620	0	10,807
6,001 – 50,000	147,042	11,426	5	95,203
50,001 – 100,000	77,883	6,733	0	42,409
100,001 – 1,000,000	364,663	29,966	0	176,789
1,000,001 or more	20,502	3,045	0	8,655
Place	**562,566**	**40,937**	**180**	**312,921**
1,000 or fewer	6,555	1,473	101	4,940
1,001 – 6,000	34,568	2,831	69	15,062
6,001 – 50,000	204,648	11,952	10	86,181
50,001 – 100,000	74,209	4,963	0	27,192
100,001 – 1,000,000	193,053	14,912	0	122,303
1,000,001 or more	49,533	4,806	0	57,243
MCD	**34,219**	**2,221**	**121**	**11,799**
1,000 or fewer	1,221	85	16	459
1,001 – 6,000	12,151	792	20	4,975
6,001 – 50,000	20,847	1,344	85	6,365
50,001 – 100,000	0	0	0	0
100,001 – 1,000,000	0	0	0	0
1,000,001 or more	0	0	0	0
Total	**1,399,467**	**102,376**	**310**	**798,869**
1,000 or fewer	7,776	1,558	117	5,426
1,001 – 6,000	48,631	4,355	89	30,887
6,001 – 50,000	373,545	24,748	104	188,711
50,001 – 100,000	152,092	11,696	0	69,601
100,001 – 1,000,000	586,238	45,291	0	326,521
1,000,001 or more	231,185	14,728	0	177,723
Total	**1,399,467**	**102,376**	**310**	**798,869**
Option 1	887,640	42,233	303	482,180
Option 2	511,827	60,143	7	316,689
Total	**1,399,467**	**102,376**	**310**	**798,869**

Data Source: Geography Division.
* Government size is determined by the number of residential addresses in the MTdb at the beginning of the LUCA program.

Table 61. 2010 Census LUCA Initial Submission Addresses Included in Field Operations by Government Type, Size, and Option

Government Type Size* Option	Update/ Leave	Update/ Enumerate
State	**157,769**	**34,371**
1,000 or fewer	0	0
1,001 – 6,000	0	0
6,001 – 50,000	5,854	0
50,001 – 100,000	0	0
100,001 – 1,000,000	74,039	16,930
1,000,001 or more	77,876	17,441
AIR	**2,166**	**3,415**
1,000 or fewer	265	1,132
1,001 – 6,000	1,901	2,007
6,001 – 50,000	0	276
50,001 – 100,000	0	0
100,001 – 1,000,000	0	0
1,000,001 or more	0	0
County	**1,133,397**	**198,130**
1,000 or fewer	1,498	0
1,001 – 6,000	124,245	1,305
6,001 – 50,000	621,284	129,897
50,001 – 100,000	184,569	58,457
100,001 – 1,000,000	198,983	8,468
1,000,001 or more	2,818	3
Place	**444,141**	**30,857**
1,000 or fewer	94,232	1,367
1,001 – 6,000	107,880	4,995
6,001 – 50,000	31,734	22,268
50,001 – 100,000	1,382	1,140
100,001 – 1,000,000	207,699	1,087
1,000,001 or more	1,214	0
MCD	**61,407**	**36,769**
1,000 or fewer	23,560	3,486
1,001 – 6,000	36,485	12,241
6,001 – 50,000	1,362	21,042
50,001 – 100,000	0	0
100,001 – 1,000,000	0	0
1,000,001 or more	0	0
Total	**1,798,880**	**303,542**
1,000 or fewer	119,555	5,985
1,001 – 6,000	270,511	20,548
6,001 – 50,000	660,234	173,483
50,001 – 100,000	185,951	59,597
100,001 – 1,000,000	480,721	26,485
1,000,001 or more	81,908	17,444
Total	**1,798,880**	**303,542**
Option 1	610,551	120,886
Option 2	915,155	110,061
Option 3	273,174	72,595
Total	**1,798,880**	**303,542**

Data Source: Geography Division.

* Government size is determined by the number of residential addresses in the MTdb at the beginning of the LUCA program.

Table 62. 2010 Census LUCA Initial Submission Addresses Included in Field Operations by Government Type, Size, and Option

Government Type Size* Option	Enumerated Marked as Vacant	Deleted
State	**153,292**	**4,477**
1,000 or fewer	0	0
1,001 – 6,000	0	0
6,001 – 50,000	5,618	236
50,001 – 100,000	0	0
100,001 – 1,000,000	72,286	1,753
1,000,001 or more	75,388	2,488
AIR	**2,026**	**140**
1,000 or fewer	254	11
1,001 – 6,000	1,772	129
6,001 – 50,000	0	0
50,001 – 100,000	0	
100,001 – 1,000,000	0	0
1,000,001 or more	0	0
County	**1,093,899**	**39,498**
1,000 or fewer	1,442	56
1,001 – 6,000	116,576	7,669
6,001 – 50,000	600,459	20,825
50,001 – 100,000	180,218	4,351
100,001 – 1,000,000	192,505	6,478
1,000,001 or more	2,699	119
Place	**425,934**	**18,207**
1,000 or fewer	91,150	3,082
1,001 – 6,000	104,075	3,805
6,001 – 50,000	30,830	904
50,001 – 100,000	1,364	18
100,001 – 1,000,000	197,512	10,187
1,000,001 or more	1,003	211
MCD	**59,670**	**1,737**
1,000 or fewer	23,013	547
1,001 – 6,000	35,327	1,158
6,001 – 50,000	1,330	32
50,001 – 100,000	0	0
100,001 – 1,000,000	0	0
1,000,001 or more	0	0
Total	**1,734,821**	**64,059**
1,000 or fewer	115,859	3,696
1,001 – 6,000	257,750	12,761
6,001 – 50,000	638,237	21,997
50,001 – 100,000	181,582	4,369
100,001 – 1,000,000	462,303	18,418
1,000,001 or more	79,090	2,818
Total	**1,734,821**	**64,059**
Option 1	588,651	21,900
Option 2	879,376	35,779
Option 3	266,794	6,380
Total	**1,734,821**	**64,059**

Data Source: Geography Division.

* Government size is determined by the number of residential addresses in the MTdb at the beginning of the LUCA program.

Table 63. 2010 Census LUCA Initial Submission Addresses Included in the NRFU Operation by Government Type, Size, and Option

Government Type Size* Option	Total Initial Submission	Initial Submission Addresses	
		Total in NRFU	Total in VDC
State	**3,400**	**3,375**	**144,036**
1,000 or fewer	0	0	0
1,001 – 6,000	0	0	0
6,001 – 50,000	21	21	962
50,001 – 100,000	0	0	0
100,001 – 1,000,000	528	524	28,697
1,000,001 or more	2,851	2,830	114,377
AIR	**20**	**20**	**79**
1,000 or fewer	0	0	7
1,001 – 6,000	17	17	72
6,001 – 50,000	3	3	0
50,001 – 100,000	0	0	0
100,001 – 1,000,000	0	0	0
1,000,001 or more	0	0	0
County	**34,470**	**34,353**	**385,237**
1,000 or fewer	2	2	62
1,001 – 6,000	805	801	12,562
6,001 – 50,000	8,757	8,714	117,532
50,001 – 100,000	4,155	4,140	49,397
100,001 – 1,000,000	19,809	19,756	196,985
1,000,001 or more	942	940	8,699
Place	**25,290**	**25,161**	**340,899**
1,000 or fewer	515	514	6,684
1,001 – 6,000	2,512	2,504	18,920
6,001 – 50,000	10,032	10,012	98,248
50,001 – 100,000	2,394	2,373	31,455
100,001 – 1,000,000	7,729	7,677	126,467
1,000,001 or more	2,108	2,081	59,125
MCD	**2,170**	**2,163**	**16,689**
1,000 or fewer	116	114	1,042
1,001 – 6,000	1,100	1,099	7,266
6,001 – 50,000	954	950	8,381
50,001 – 100,000	0	0	0
100,001 – 1,000,000	0	0	0
1,000,001 or more	0	0	0
Total	**65,350**	**65,072**	**886,940**
1,000 or fewer	633	630	7,795
1,001 – 6,000	4,434	4,421	38,820
6,001 – 50,000	19,767	19,700	225,123
50,001 – 100,000	6,549	6,513	80,852
100,001 – 1,000,000	28,066	27,957	352,149
1,000,001 or more	5,901	5,851	182,201
Total	**65,350**	**65,072**	**886,940**
Option 1	27,759	27,640	509,684
Option 2	30,336	30,193	356,376
Option 3	7,255	7,239	20,880
Total	**65,350**	**65,072**	**886,940**

Data Source: Geography Division.
* Government size is determined by the number of residential addresses in the MTdb at the beginning of the LUCA program.

Table 64. 2010 Census LUCA Initial Submission or Appealed Addresses Included in NRFU VDC by Government Type, Size, and Option

Government Type Size* Option	Total Included NRFU VDC	Total Vacant	Total Deleted
State	**144,036**	**6,352**	**314**
1,000 or fewer	0	0	0
1,001 – 6,000	0	0	0
6,001 – 50,000	962	40	0
50,001 – 100,000	0	0	0
100,001 – 1,000,000	28,697	1,251	40
1,000,001 or more	114,377	5,061	274
AIR	**79**	**26**	**1**
1,000 or fewer	7	4	0
1,001 – 6,000	72	22	1
6,001 – 50,000	0	0	0
50,001 – 100,000	0	0	0
100,001 – 1,000,000	0	0	0
1,000,001 or more	0	0	0
County	**385,237**	**49,868**	**1,158**
1,000 or fewer	62	30	0
1,001 – 6,000	12,562	1,707	177
6,001 – 50,000	117,532	18,183	487
50,001 – 100,000	49,397	8,190	135
100,001 – 1,000,000	196,985	20,091	330
1,000,001 or more	8,699	1,667	29
Place	**340,899**	**39,940**	**932**
1,000 or fewer	6,684	972	64
1,001 – 6,000	18,920	3,256	105
6,001 – 50,000	98,248	17,864	294
50,001 – 100,000	31,455	3,590	11
100,001 – 1,000,000	126,467	11,475	265
1,000,001 or more	59,125	2,783	193
MCD	**16,689**	**2,967**	**54**
1,000 or fewer	1,042	220	8
1,001 – 6,000	7,266	1,396	23
6,001 – 50,000	8,381	1,351	23
50,001 – 100,000	0	0	0
100,001 – 1,000,000	0	0	0
1,000,001 or more	0	0	0
Total	**886,940**	**99,153**	**2,459**
1,000 or fewer	7,795	1,226	72
1,001 – 6,000	38,820	6,381	306
6,001 – 50,000	225,123	37,438	804
50,001 – 100,000	80,852	11,780	146
100,001 – 1,000,000	352,149	32,817	635
1,000,001 or more	182,201	9,511	496
Total	**886,940**	**99,153**	**2,459**
Option 1	509,684	50,536	1,346
Option 2	356,376	43,356	826
Option 3	20,880	5,261	287
Total	**886,940**	**99,153**	**2,459**

Data Source: Geography Division.

* Government size is determined by the number of residential addresses in the MTdb at the beginning of the LUCA program.

Table 65. 2010 Census LUCA Final Disposition of LUCA Initial Submission or Appealed Addresses by Government Type, Size, and Option

Government Type Size* Option	Initial Submission and Appealed Addresses Found but Vacant	Nonresidential	Deleted	Enumerated
State	**169,126**	**897**	**4,222**	**1,094,584**
1,000 or fewer	0	0	0	0
1,001 – 6,000	0	0	0	0
6,001 – 50,000	1,627	16	152	6,830
50,001 – 100,000	0	0	0	0
100,001 – 1,000,000	52,656	184	1,188	324,326
1,000,001 or more	114,843	697	2,882	763,428
AIR	**1,118**	**5**	**107**	**10,614**
1,000 or fewer	133	0	17	1,726
1,001 – 6,000	966	5	89	8,550
6,001 – 50,000	19	0	1	338
50,001 – 100,000	0	0	0	0
100,001 – 1,000,000	0	0	0	0
1,000,001 or more	0	0	0	0
County	**1,879,949**	**5,887**	**31,389**	**15,195,897**
1,000 or fewer	311	4	34	1,143
1,001 – 6,000	38,688	550	5,113	178,064
6,001 – 50,000	616,158	2,616	14,111	3,563,311
50,001 – 100,000	288,765	792	3,203	2,375,875
100,001 – 1,000,000	909,172	1,756	8,681	8,585,109
1,000,001 or more	26,855	169	247	492,395
Place	**1,238,708**	**3,844**	**19,407**	**11,501,083**
1,000 or fewer	26,327	273	1,759	181,169
1,001 – 6,000	95,359	374	2,364	782,442
6,001 – 50,000	441,796	769	2,332	4,468,494
50,001 – 100,000	121,678	249	648	1,264,089
100,001 – 1,000,000	497,460	1,645	8,190	4,297,066
1,000,001 or more	56,088	534	4,114	507,823
MCD	**103,115**	**370**	**1,541**	**913,565**
1,000 or fewer	14,866	65	364	56,803
1,001 – 6,000	47,705	216	849	343,631
6,001 – 50,000	40,544	89	328	513,131
50,001 – 100,000	0	0	0	0
100,001 – 1,000,000	0	0	0	0
1,000,001 or more	0	0	0	0
Total	**3,392,016**	**11,003**	**56,666**	**28,715,743**
1,000 or fewer	41,637	342	2,174	240,841
1,001 – 6,000	182,718	1,145	8,415	1,312,687
6,001 – 50,000	1,100,144	3,490	16,924	8,552,104
50,001 – 100,000	410,443	1,041	3,851	3,639,964
100,001 – 1,000,000	1,459,288	3,585	18,059	13,206,501
1,000,001 or more	197,786	1,400	7,243	1,763,646
Total	**3,392,016**	**11,003**	**56,666**	**28,715,743**
Option 1	1,082,439	4,781	22,664	7,251,001
Option 2	1,929,684	5,165	29,254	17,698,478
Option 3	379,893	1,057	4,748	3,766,264
Total	**3,392,016**	**11,003**	**56,666**	**28,715,743**

Data Source: Geography Division.

* Government size is determined by the number of residential addresses in the MTdb at the beginning of the LUCA program.

Table 66. 2010 Census LUCA Valid 2010 Census Addresses that had LUCA as Initial Source

Government Type Size* Option	Initial Submission and Appealed Addresses			
	Found but Vacant	Nonresidential	Deleted	Enumerated
State	**60,130**	**56**	**842**	**186,581**
1,000 or fewer	0	0	0	0
1,001 – 6,000	0	0	0	0
6,001 – 50,000	460	0	20	800
50,001 – 100,000	0	0	0	0
100,001 – 1,000,000	16,845	10	212	35,767
1,000,001 or more	42,825	46	610	150,014
AIR	**229**	**0**	**9**	**1,286**
1,000 or fewer	48	0	3	613
1,001 – 6,000	173	0	6	617
6,001 – 50,000	8	0	0	56
50,001 – 100,000	0	0	0	0
100,001 – 1,000,000	0	0	0	0
1,000,001 or more	0	0	0	0
County	**379,426**	**295**	**6,571**	**1,216,961**
1,000 or fewer	121	0	7	280
1,001 – 6,000	18,903	65	2,024	49,718
6,001 – 50,000	184,734	151	2,501	447,551
50,001 – 100,000	57,592	34	688	210,344
100,001 – 1,000,000	113,058	41	1,306	473,277
1,000,001 or more	5,018	4	45	35,791
Place	**181,901**	**70**	**1,824**	**871,976**
1,000 or fewer	8,777	22	412	45,513
1,001 – 6,000	24,774	16	475	104,083
6,001 – 50,000	74,931	13	361	377,057
50,001 – 100,000	17,540	1	16	83,657
100,001 – 1,000,000	37,941	13	325	186,799
1,000,001 or more	17,938	5	235	74,867
MCD	**31,523**	**11**	**197**	**87,796**
1,000 or fewer	6,566	1	53	11,018
1,001 – 6,000	17,366	8	105	43,941
6,001 – 50,000	7,591	2	39	32,837
50,001 – 100,000	0	0	0	0
100,001 – 1,000,000	0	0	0	0
1,000,001 or more	0	0	0	0
Total	**653,209**	**432**	**9,443**	**2,364,600**
1,000 or fewer	15,512	23	475	57,424
1,001 – 6,000	61,216	89	2,610	198,359
6,001 – 50,000	267,724	166	2,921	858,301
50,001 – 100,000	75,132	35	704	294,001
100,001 – 1,000,000	167,844	64	1,843	695,843
1,000,001 or more	65,781	55	890	260,672
Total	**653,209**	**432**	**9,443**	**2,364,600**
Option 1	327,542	199	3,955	1,191,794
Option 2	260,497	193	4,460	942,481
Option 3	65,170	40	1,028	230,325
Total	**653,209**	**432**	**9,443**	**2,364,600**

Data Source: Geography Division.

* Government size is determined by the number of residential addresses in the MTdb at the beginning of the LUCA program.

Attachment C: Reject Codes

Rejected Record possible values:

01 – Records that have duplicate MAFIDs
02 – Duplicate add records
03 – Add records with a non-blank MAFID field
04 – Non-add records with a missing/invalid MAFID
06 – Records with a missing House Number and/or Street Name
07 – Records with an invalid Entity ID Code (Customer ID)
11 – Unsuccessfully geocoded records (blank incoming block field)
12 – Unsuccessfully geocoded records (illegal incoming block fields)
A – Non-add actions from the same LUCA participant that have the same MAFID
B – Add records that are identical in all
L – Records that contain anything other than alphanumeric, spaces, or the following special characters: # / - in the LOCHN field
M – Records that contain anything other than alphanumeric, spaces, or the following special characters: / . & ( ) - ' # in the LOCNAME field
N – Records that contain anything other than alphanumeric, spaces, or the following special characters: # / ( ) - * in the LOCWSID field
P – Records that contain anything other than alphanumeric, spaces, or the special character "." in the LOCWSDESC field.
S – Records that contain anything other than alphanumeric, spaces, or the following special characters: , # / . & ( ) - \ ' " [ ] : @ in the GQNAME field
Y – Records that contain non-numeric values, less than 5 digits, or all identical digits (e.g. "00000," "11111," "22222," etc.) in the LOCZIP field

Attachment D: 2010 Census LUCA Schedule Data

Activity Name	2010 Baseline Start	Start	On-time/early	# days late	2010 Baseline Finish	Finish	On-time/early	# days late
Write 2010 Census LUCA Plan	02/Aug/04	02/Aug/04 A	x		21/Jul/05	21/Jul/05 A	x	
Prepare/publish 2010 Census LUCA Federal Register (FR) Notice	02/Jan/07	02/Jan/07 A	x		29/Jun/07	29/Jun/07 A	x	
Allow 60-day comment period	22/Jun/07	22/Jun/07 A	x		06/Aug/07	06/Aug/07 A	x	
Prepare/submit emergency PRA clearance package [pred: 10gpt-00005]	11/May/07	11/May/07 A	x		15/Jun/07	14/Jun/07 A	x	
Obtain emergency PRA clearance approval from OMB	07/Aug/07	07/Aug/07 A	x		07/Aug/07	07/Aug/07 A	x	
Prepare/submit full PRA clearance package	11/May/07	11/May/07 A	x		28/Nov/07	28/Nov/07 A	x	
Obtain full Paper Reduction Act clearance approval from OMB for LUCA	28/Jan/08	28/Jan/08 A	x		25/Mar/08	25/Mar/08 A	x	
Write/Deliver NPC/Regional Office Procedures - Phase I Operations (Invitations, Training, Initial Outgoing Review Materials	21/May/07	21/May/07 A	x		20/Aug/07	20/Aug/07 A	x	
Write/Deliver NPC/Regional Office Procedures - Phase II Operations (Review and Processing of Participant Submissions)	12/Apr/07	12/Apr/07 A	x		04/Oct/07	04/Oct/07 A	x	
Write/Deliver NPC/Regional Office Procedures - Phase III Operations (Feedback and Appeals)	26/May/09	26/May/09 A	x		07/Aug/09	18/Sep/09 A	x	
Write 2010 LUCA Contractor Developed Paper-Based and Computer-Based Training Software Requirements	07/Aug/06	07/Aug/06 A	x		02/Mar/07	02/Mar/07 A	x	
Publish RFP/Award contract for 2010 LUCA Computer-Based Training Software	08/Nov/05	08/Nov/05 A	x		25/May/06	25/May/06 A	x	
Develop LUCA training material - Participant Workbook & instructor's training guide	31/May/06	31/May/06 A	x		28/Mar/07	28/Mar/07 A	x	
Train NPC/RO on Phase I--Initial Outgoing 2010 LUCA Activities	15/Nov/06	15/Nov/06 A	x		11/Jan/07	11/Jan/07 A	x	
Train NPC/RO on Phase II -- Review and Processing of 2010 LUCA Submissions	06/Aug/07	06/Aug/07 A	x		08/Aug/07	08/Aug/07 A	x	
Train NPC/RO on Phase III -- 2010 LUCA Feedback and Appeals Activities	23/Jun/09	23/Jun/09 A	x		02/Sep/09	07/Oct/09 A		24
Conduct LUCA Promotional Workshops & training sessions	20/Feb/07	20/Feb/07 A	x		23/Nov/07	23/Nov/07 A	x	
Staff 2010 LUCA help desk	02/Apr/07	02/Apr/07 A	x		01/Aug/07	01/Aug/07 A	x	

Write 2010 LUCA Participant PC-Based Software Requirements to Update MTDB	23/Nov/04	23/Nov/04 A	x	26/Apr/05	26/Apr/05 A	x
Publish RFI/Award Contract for Development of 2010 LUCA PC-Based MAF/TIGER Partnership Software	06/Jun/05	06/Jun/05 A	x	06/Jun/05	06/Jun/05 A	x
Deliver 2010 LUCA PC-Based MAF/TIGER Partnership Software	17/Sep/07	17/Sep/07 A	x	17/Sep/07	17/Sep/07 A	x
Write LUCA GPP requirements	01/Mar/07	01/Mar/07 A	x	03/Jul/07	03/Jul/07 A	x
Write/deliver user guide for LUCA GPP Module	17/May/07	17/May/07 A	x	17/Jul/07	17/Jul/07 A	x
Write/Design/Print 2010 LUCA Advance Notice Letter, contact update form, promotional booklets	03/Oct/06	03/Oct/06 A	x	01/Feb/07	01/Feb/07 A	x
Write Requirements for 2010 LUCA Advance Notice Letter Mailing Extract	02/Oct/06	02/Oct/06 A	x	26/Dec/06	26/Dec/06 A	x
Print/Assemble/ship 2010 LUCA advance mailing package	25/Jan/07	25/Jan/07 A	x	26/Mar/07	26/Mar/07 A	x
Write/Design/Print 2010 LUCA Invitation Letter, Enclosures, Confidentiality Form, Security Guidelines, Self-Assessment F	19/Mar/07	19/Mar/07 A	x	07/Aug/07	07/Aug/07 A	x
Write/Design 2010 LUCA Final Program Reminder Postcard	01/Nov/07	01/Nov/07 A	x	08/Nov/07	08/Nov/07 A	x
Write Requirements to Print/Assemble/Mail 2010 LUCA Invitation Letter package	15/May/07	15/May/07 A	x	19/Jul/07	19/Jul/07 A	x
Write requirement for Invitation Letter Mailing Extract	21/May/07	21/May/07 A	x	30/Jul/07	30/Jul/07 A	x
Print/Assemble/Ship 2010 LUCA Invitation Letters	02/Jul/07	02/Jul/07 A	x	07/Aug/07	07/Aug/07 A	x
RCCs Receive Responses to 2010 LUCA Invitation Letter and Update GPP	01/Aug/07	01/Aug/07 A	x	31/Dec/07	31/Dec/07 A	x
Prepare Final Reminder/Closeout Postcard	08/Nov/07	08/Nov/07 A	x	14/Nov/07	14/Nov/07 A	x
Write Requirements for 2010 LUCA Final Reminder/Closeout Letter Mailing Extract from GPP	07/May/07	07/May/07 A	x	29/Jun/07	29/Jun/07 A	x
Print/Assemble/Ship 2010 LUCA Final Reminder/Closeout Letter Mailing	15/Nov/07	15/Nov/07 A	x	16/Nov/07	16/Nov/07 A	x
Write requirements for 2010 LUCA Initial Outgoing Address Count List	21/Sep/06	21/Sep/06 A	x	16/Mar/07	16/Mar/07 A	x
Write requirements for 2010 LUCA address extract	21/Sep/06	21/Sep/06 A	x	16/Mar/07	16/Mar/07 A	x
Write requirements for 2010 LUCA initial maps	05/Jan/07	05/Jan/07 A	x	02/Feb/07	02/Feb/07 A	x
Write Requirements for LUCA map sheet to block number relationship list	30/Mar/07	30/Mar/07 A	x	03/Jul/07	03/Jul/07 A	x
Write requirements for 2010 LUCA Shapefiles	05/Jan/07	05/Jan/07 A	x	22/May/07	22/May/07 A	x

Write Requirements for 2010 LUCA Entity Based Map Interactive QC Requirements	05/Jan/07	05/Jan/07 A	x	22/Mar/07	22/Mar/07 A	x	
Write 2010 LUCA Participant User Guides (Total of 24)	01/Jun/06	01/Jun/06 A	x	15/Oct/07	15/Oct/07 A	x	
Print/Assemble/Ship Initial Outgoing 2010 LUCA Address and Map Materials	06/Nov/07	06/Nov/07 A	x	18/Mar/08	18/Mar/08 A	x	
Local Officials Conduct LUCA Review and Return Submission to RO/RCC	19/Nov/07	19/Nov/07 A	x	30/May/08	30/May/08 A	x	
Write Requirements for Phase 1 2010 LUCA Production Control System	05/Jan/07	05/Jan/07 A	x	22/May/07	22/May/07 A	x	
Write Requirements for Phase 1 2010 LUCA Mapping System	05/Jan/07	05/Jan/07 A	x	22/Mar/07	22/Mar/07 A	x	
Write/Deliver User Guide for Phase 1 2010 LUCA Production Control System	02/Apr/07	02/Apr/07 A	x	02/Nov/07	02/Nov/07 A	x	
Write/Deliver User Guide for Phase 1 2010 LUCA Mapping System	02/Apr/07	02/Apr/07 A	x	05/Nov/07	05/Nov/07 A	x	
Write Requirements for (Feedback) of 2010 LUCA Production Control System (PCS)	14/Jan/09	14/Jan/09 A	x	31/Mar/09	30/Mar/09 A	x	
Write Requirements for 2010 LUCA Feedback Mapping System	14/Jan/09	14/Jan/09 A	x	31/Mar/09	12/Feb/09 A	x	
Write requirements for 2010 LUCA Feedback Map Interactive QC requirements	14/Jan/09	14/Jan/09 A	x	01/Jul/09	12/Feb/09 A	x	
Write 2010 LUCA MTDB Processing Requirements	10/Jul/07	10/Jul/07 A	x	16/Aug/07	16/Aug/07 A	x	
Write requirements for LUCA 2010 Map Digitizing	26/Dec/06	26/Dec/06 A	x	17/Dec/07	17/Dec/07 A	x	
Write requirements for LUCA 2010 Interactive Preprocessing System	21/Feb/06	21/Feb/06 A	x	31/Jul/07	31/Jul/07 A	x	
Write/Deliver RCC Procedures for Production and Upload Reports System (PURS)	04/Apr/07	04/Apr/07 A	x	05/May/08	13/Mar/08 A	x	
Write Requirements to GEO-POMB for Production and Upload Reports System (PURS)	29/May/07	29/May/07 A	x	05/May/08	05/May/08 A	x	
Write/Deliver User Guide for Production and Upload Reports System (PURS)	24/Sep/07	24/Sep/07 A	x	13/Mar/08	13/Mar/08 A	x	
Write keying requirement for the block challenges and paper address list submissions	01/May/07	01/May/07 A	x	13/Jul/07	13/Jul/07 A	x	
RCCs Process LUCA Participants Submissions	03/Mar/08	03/Mar/08 A	x	15/Aug/08	17/Aug/08 A		2
Write requirements for 2010 LUCA Feedback Address Products (address list and address count list)	14/Jan/09	14/Jan/09 A	x	30/Mar/09	27/Mar/09 A	x	
Write Requirements for 2010 LUCA Feedback Maps	14/Jan/09	14/Jan/09 A	x	31/Mar/09	25/Feb/09 A	x	

Write Requirements for 2010 LUCA Feedback Map Sheet to Block Number Relationship List	14/Jan/09	14/Jan/09 A	x		31/Mar/09	30/Mar/09 A	x	
Write requirements for 2010 LUCA Feedback Shapefiles	14/Jan/09	14/Jan/09 A	x		31/Mar/09	30/Mar/09 A	x	
Write 2010 LUCA Feedback Materials Preparation and Shipping Requirements	15/May/09	15/May/09 A	x		16/Jul/09	30/Sep/09 A		53
NPC Print/Assemble/Ship 2010 LUCA Feedback Address Products, Participant Appeal Procedures, & Feedback User Guide	08/Oct/09	08/Oct/09 A	x		11/Dec/09	04/Dec/09 A	x	
Prepare/Publish 2010 Census LUCA Appeals Federal Register Notice	05/May/08	05/May/08 A	x		20/Jul/09	31/Mar/09 A	x	
Open Appeals Office (OMB)		02/Nov/09 A	x		02/Nov/09	02/Nov/09 A	x	
Write/Deliver 2010 LUCA Participant Appeal Procedures & Feedback User Guide	23/Mar/09	23/Mar/09 A	x		10/Jul/09	25/Aug/09 A		32
Contractor produces/ships to NPC 2010 LUCA Participant Appeal Procedures & Feedback User Guide	05/Oct/09	08/Sep/09 A	x		04/Dec/09	28/Sep/09 A	x	
Participants Review 2010 LUCA Feedback Material and Appeal Results	13/Oct/09	13/Oct/09 A	x		15/Jan/10	31/Mar/10 A		51
LUCA Appeals Office Reviews, Adjudicates Participant Appeals, Keys Data, and Issues Written Determinations	03/Nov/09	03/Nov/09 A	x		15/Mar/10	31/Mar/10 A		12
Close Appeals Office	30/Sep/10	30/Sep/10 A	x		30/Sep/10	30/Sep/10 A	x	
Conduct Debriefing of HQ/RO/NPC Staff	26/Jul/10	29/Jul/10 A		3	30/Sep/10	15/Sep/10 A	x	
Receive requirements for 2010 LUCA participant PC-Based Software to Update MTDB	01/May/07	01/May/07 A	x		01/May/07	01/May/07 A	x	
Receive 2010 LUCA GPP requirements	01/Aug/07	01/Aug/07 A	x		01/Aug/07	01/Aug/07 A	x	
Develop/Test/Release Software to Create 2010 LUCA GPP Module	09/Oct/06	09/Oct/06 A	x		31/Aug/07	31/Aug/07 A	x	
Receive Requirements for 2010 LUCA Advance Notice Letter Mailing Extract	01/Dec/06	01/Dec/06 A	x		01/Dec/06	01/Dec/06 A	x	
Develop/Test Software to Create 2010 LUCA Advance Letter Mailing Extract	02/Dec/07	02/Dec/07 A	x		03/Dec/07	03/Dec/07 A	x	
Deliver 2010 LUCA Advance Letter Mailing Extract	16/Dec/06	16/Dec/06 A	x		18/Dec/06	18/Dec/06 A	x	
Receive requirements for 2010 LUCA Invitation Letter Mailing Extract	07/May/07	07/May/07 A	x		07/May/07	07/May/07 A	x	
Develop/Test Software to Create 2010 LUCA Invitation Mailing Extract	07/May/07	07/May/07 A	x		14/May/07	14/May/07 A	x	

Create/Deliver 2010 LUCA Invitation Mailing Extract	16/May/07	16/May/07 A	x		20/Jul/07	20/Jul/07 A	x	
Develop/Test Software to Create 2010 LUCA Final Reminder/Closeout Mailing Extract from GPP	16/Oct/07	16/Oct/07 A	x		18/Oct/07	31/Oct/07 A		9
Receive requirements for 2010 LUCA Final Reminder/Closeout Mailing Extract from GPP	02/Jul/07	02/Jul/07 A	x		02/Jul/07	02/Jul/07 A	x	
Create/Deliver 2010 LUCA Final Reminder/Closeout Mailing Extract from GPP	19/Oct/07	30/Jun/07 A	x		31/Oct/07	14/Nov/07 A		8
Receive Requirements for 2010 LUCA initial outgoing address count list	17/Mar/07	16/Mar/07 A	x			16/Mar/07 A	x	
Develop/Test Software for the 2010 LUCA Address Count List	15/Sep/06	15/Sep/06 A	x		09/Aug/07	09/Aug/07 A	x	
Create/Deliver the 2010 LUCA Address Count List	30/Aug/07	30/Aug/07 A	x		10/Mar/08	10/Mar/08 A	x	
Receive Requirements for 2010 LUCA address Extract	17/Mar/07	19/Mar/07 A		2	19/Mar/07	19/Mar/07 A	x	
Develop/Test software for 2010 LUCA address Extract	15/Dec/06	15/Dec/06 A	x		06/Aug/07	16/Aug/07 A		8
Create/Deliver the 2010 LUCA address Extract	30/Aug/07	30/Aug/07 A	x		10/Mar/08	10/Mar/08 A	x	
Receive Requirements for 2010 LUCA Map sheet to block number Relationship list	05/Jul/07	05/Jul/07 A	x			05/Jul/07 A	x	
Develop/Test Software for 2010 LUCA Map sheet to block number Relationship list	06/Jul/07	06/Jul/07 A	x		31/Jul/07	31/Jul/07 A	x	
Create/Deliver 2010 LUCA Map sheet to block number Relationship list	30/Aug/07	30/Aug/07 A	x		10/Mar/08	10/Mar/08 A	x	
Receive Requirements for 2010 LUCA initial Maps	23/Mar/07	23/Mar/07 A	x		23/Mar/07	23/Mar/07 A	x	
Develop/Test Software for 2010 LUCA initial Maps	26/Mar/07	26/Mar/07 A	x		08/Jun/07	08/Jun/07 A	x	
Create/Deliver 2010 LUCA initial Maps	30/Aug/07	30/Aug/07 A	x		10/Mar/08	10/Mar/08 A	x	
Receive requirement for 2010 LUCA Shapefiles	23/May/07	23/May/07 A	x		23/May/07	23/May/07 A	x	
Develop/Test software for 2010 LUCA Shapefiles	29/May/07	29/May/07 A	x		28/Sep/07	27/Sep/07 A	x	
Create/Deliver 2010 LUCA Shapefiles	30/Aug/07	30/Aug/07 A	x		10/Mar/08	10/Mar/08 A	x	
Receive Requirements for 2010 LUCA entity based Map interactive QC system	15/Mar/07	15/Mar/07 A	x			15/Mar/07 A	x	
Develop/Test software for 2010 LUCA Entity Based Initial Review Map Interactive QC System	16/Mar/07	16/Mar/07 A	x		08/Jun/07	08/Jun/07 A	x	
Create/Deliver 2010 LUCA Entity Based Initial Review Map Interactive QC System	11/Jun/07	11/Jun/07 A	x		11/Jun/07	11/Jun/07 A	x	
Develop/Test software for 2010 LUCA Partnership Data Creation and Transfer System	15/Aug/07	15/Aug/07 A	x		27/Sep/07	27/Sep/07 A	x	
Create/Deliver 2010 LUCA Partnership Data Creation and Transfer System	28/Sep/07	15/Jan/07 A	x		28/Sep/07	30/May/07 A	x	

Receive Requirements for Phase 1 2010 LUCA Production Control System (PCS)	23/May/07	23/May/07 A	x		23/May/07	23/May/07 A	x	
Develop/Test Software for Phase 1 2010 LUCA Production Control System (PCS)	13/Mar/07	13/Mar/07 A	x		30/Jul/07	30/Jul/07 A	x	
Receive Requirements for Phase 1 2010 LUCA mapping system	23/Mar/07	23/Mar/07 A	x		23/Mar/07	23/Mar/07 A	x	
Develop/Test Software for Phase 1 2010 LUCA Mapping System	16/Mar/07	16/Mar/07 A	x		07/Aug/07	07/Aug/07 A	x	
Receive Requirements for 2010 LUCA Feedback Production Control System (PCS)	02/Jul/09	31/Mar/09 A	x		02/Jul/09	31/Mar/09 A	x	
Develop/Test Software for 2010 LUCA Feedback Production Control System (PCS)	04/May/09	12/May/09 A		6	15/Sep/09	18/Sep/09 A		2
Receive Requirements for 2010 LUCA Feedback Mapping System	01/Apr/09	12/Feb/09 A	x		01/Apr/09	12/Feb/09 A	x	
Develop/Test Software for 2010 LUCA Feedback Mapping System	31/Aug/09	08/Sep/09 A		5	24/Sep/09	30/Sep/09 A		4
Receive Requirements for 2010 LUCA Feedback Map Interactive QC system	02/Jul/09	12/Feb/09 A	x		02/Jul/09	12/Feb/09 A	x	
Develop/Test Software for 2010 LUCA Feedback Map Interactive QC System	08/Sep/09	08/Sep/09 A	x		01/Oct/09	01/Oct/09 A	x	
Receive Requirements for 2010 LUCA MTDB Processing	17/Aug/07	17/Aug/07 A	x			17/Aug/07 A	x	
Develop/Test software for 2010 LUCA MTDB Processing	20/Aug/07	20/Aug/07 A	x		13/May/08	13/Jun/08 A		22
Write Procedures for 2010 LUCA Map digitizing [Successor: NPC in RMD]	06/Mar/07	06/Mar/07 A	x		17/Dec/07	17/Dec/07 A	x	
Receive Requirements for 2010 LUCA interactive preProcessing system	01/Aug/07	01/Aug/07 A	x			01/Aug/07 A	x	
Develop/Test Software for 2010 LUCA Interactive PreProcessing System	01/Aug/07	01/Aug/07 A	x		01/Oct/07	01/Oct/07 A	x	
Receive Requirements for 2010 LUCA Production and Upload Reports System (PURS)	05/Sep/07	05/Sep/07 A	x			05/Sep/07 A	x	
Develop/Test Software for 2010 LUCA Production and Upload Reports System (PURS)	04/Apr/07	04/Apr/07 A	x		18/May/07	18/May/07 A	x	
Write Procedures for 2010 LUCA Data Capture of Paper Address List Submissions [Successor: NPC to key in RMD]	15/Jan/07	14/Jul/07 A		126	30/May/07	14/Aug/07 A		53
Update MTDB with 2010 LUCA participant Submissions (addresses and Map updates)	01/Apr/08	01/Apr/08 A	x		08/Oct/08	06/Oct/08 A	x	

Receive Requirements For 2010 LUCA Feedback Address Products (Address List And Address Count List)	31/Mar/09	31/Mar/09 A	x		31/Mar/09	31/Mar/09 A	x	
Develop/Test Software For The 2010 LUCA Feedback Address Products (Address List And Address Count List)	06/Apr/09	06/Apr/09 A	x		30/Sep/09	29/Sep/09 A	x	
Create/Deliver 2010 LUCA Feedback Address Products (Address List And Address Count List)	01/Oct/09	30/Sep/09 A	x		04/Dec/09	24/Nov/09 A	x	
Receive Requirements for 2010 LUCA Feedback Map sheet to block number Relationship list		31/Mar/09 A	x			31/Mar/09 A	x	
Develop/Test Software for 2010 LUCA Feedback Map Sheet to Block Number Relationship List	01/Apr/09	01/Apr/09 A	x		30/Sep/09	29/Sep/09 A	x	
Create/Deliver 2010 LUCA Feedback Map Sheet to Block Number Relationship List	01/Oct/09	30/Sep/09 A	x		04/Dec/09	24/Nov/09 A	x	
Receive Requirements for 2010 LUCA Feedback Maps	31/Mar/09	26/Feb/09 A	x			26/Feb/09 A	x	
Develop/Test Software for 2010 LUCA Feedback Maps	01/Apr/09	20/Apr/09 A		13	22/Sep/09	30/Sep/09 A		6
Create/Deliver LUCA Feedback Maps	08/Oct/09	01/Oct/09 A	x		04/Dec/09	24/Nov/09 A	x	
Receive Requirements for 2010 LUCA Feedback Shapefiles	01/Apr/08	31/Mar/09 A		264		31/Mar/09 A		264
Create/Deliver 2010 LUCA Feedback Shapefiles	31/Aug/09	17/Sep/09 A		12	02/Oct/09	29/Sep/09 A	x	
Update MTDB with LUCA Appeals Results	12/Feb/10	22/Feb/10 A		5	03/May/10	01/Apr/10 A	x	

Attachment E: Acronyms and Abbreviations

AC – Address Canvassing
ACS Tab blocks – American Community Survey Tabulation Blocks
ADDUP – Address Update File
AIR – Federal American Indian Reservation
APSB – Address Products Software Branch
BAS – Boundary and Annexation Survey
CBT – Computer-based Training
CIFU – Coverage Improvement Followup
DMD – Decennial Management Division
FSCPE – Federal State Cooperative Program for Population Estimates
GEO – Geography Division
GIS – Geographic Information System
GPP – Geographic Program Participant System
GQ – Group Quarters
GQV – Group Quarters Validation
HU – Housing Unit
LUCA – Local Update of Census Addresses
MAF – Master Address File
MCD – Minor Civil Division
MTdb – Master Address File/Topologically Integrated Geographic Encoding and Referencing (MAF/TIGER) database
MTPS – MAF/TIGER Partnership Software
NAS – National Academy of Sciences
NRFU – Nonresponse Followup Operation
NRFU VDC – Nonresponse Followup Vacant Delete Check operation
OLQ – Other Living Quarters
OMB – Office of Management and Budget
PCS – Production Control System
RCC – Regional Census Center
RO – Census Bureau Regional Office
SDC – State Data Center
TEA – Type of Enumeration Area
TIGER – Topologically Integrated Geographic Encoding and Referencing
TLGPB – Tribal/Local Geographic Partnerships Branch
TL – Transitory Location
UAA – Undeliverable As Addressed
VDC – Vacant Delete Check