

2020 Census

July 2016

Monthly Status Report

All information in this report is as of July 31,
unless otherwise stated in the title of the page.

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Key Program Updates

1. In support of the 2017 Census Test and 2017 Puerto Rico Census Test:
 - a. Staff identified existing space within the Denver and Los Angeles regional offices to be used as regional census centers (RCCs) for the Test.
 - b. Staff finalized questionnaires for cognitive testing of tribal enrollment questions and started the design of nonquestionnaire paper materials.
 - c. Staff delivered specifications for the Response Processing operation for the 2017 Puerto Rico Census Test and baselined the Response Processing operation's integrated master schedule.

For the 2020 Census, In-Office Address Canvassing Interactive Review production continues and is meeting the expected production goals. The clerks have reviewed 3,774,047 blocks during Interactive Review from the beginning of production in September 2015 through July 29, 2016. As of July 29, 2016, 71.8 percent of the blocks were classified as Passive, 18.6 percent were classified as Active, and 9.6 percent were classified as On Hold.

2. In support of the 2020 Census Questionnaire Assistance operation, the contract was awarded on July 11, 2016, to General Dynamics Information Technology. The kickoff meeting with the awardee was held on July 15, 2016.
3. In support of the Integrated Partnership and Communications operation, the Integrated Communications Contract (ICC) is on schedule to be awarded in August 2016.
4. The Redistricting Data Program (RDP) completed a 2020 Census RDP kickoff meeting in Jackson, Mississippi, bringing the total number of states visited to 20. These visits provide the states an opportunity to ensure the Census Bureau captures their needs in regards to useful census redistricting data as required by Public Law (P.L.) 94-171. The visits also provide the states an opportunity to learn about the 2020 Census Redistricting Data Program, 2020 Census planning, and upcoming Census Bureau geographic partnership programs.
5. Staff conducted the 2020 Census Program Management Review (PMR) on July 22, 2016. At the PMR, the sites for the 2018 End-to-End Census Tests were announced. The Test will be conducted in Pierce County, Washington; Providence County, Rhode Island; and, Bluefield-Beckley-Oak Hill, West Virginia.
6. Final proposals were received from Bidders on the Request for Proposal (RFP) for the 2020 Census Technical Integrator Contract on June 30, 2016.

Status of Major Tests

2014 Census Test

Description

The 2014 Census Test tested self-response and nonresponse followup field components to obtain results needed to answer research questions and inform preliminary design decisions for the 2020 Census. The scope of the Test included: self-response modes (including Internet); contact strategies for our preregistration tool, “Notify Me”; utilization of email and automated voice invitations to encourage self-response; testing of the mobile devices for nonresponse followup enumeration in the field; testing of alternative contact strategies (telephone or personal visit) for nonresponders; using administrative records to remove cases from the nonresponse followup workload; and applying adaptive design methodologies in managing the way field enumerators are assigned their work. The Census Bureau also conducted focus groups to examine reactions to the alternate contacts, response options, administrative record use, and privacy or confidentiality concerns (including how the Census Bureau might address these concerns through micro- or macro-messaging). The 2014 Census Test took place from June through September 2014 in portions of Northwest Washington, D.C., and Montgomery County, Maryland.

Key Activities

Conduct “Notify Me” – June 5-13, 2014 (completed)
Began Self-Response Data Collection – June 23, 2014 (completed)
Census Day – July 1, 2014 (completed)
Send Self-Response Reminder Notifications – July 1, 2014, and July 8, 2014 (completed)
Send Final Reminders with Paper Questionnaire Booklets – July 15, 2014 (completed)
Conduct Nonresponse Followup (NRFU) – August 14-September 25, 2014 (completed)
Complete Data Collection – September 25, 2014 (completed)
Finalize 2014 Census Test Analysis Reports – Quarter 4 of Fiscal Year 2016 (on a flow basis)*

Status of Current Activities

Analysis reports are undergoing final executive-level clearance. Once complete, the reports will be issued, on a flow basis, through the 2020 Census Memorandum Series.

Reports under Development/Review

- Non-ID Processing Analysis Report (Expected Completion July 29, 2016, Revised to Early August)
- 2014 Census Test: Overview Report (Expected Completion August 15, 2016)
- Analysis of Contact Outcomes Involving the Contact Frame (Expected Completion August 15, 2016)
- Nonresponse Followup Panel Comparisons and Instrument Analysis (Expected Completion September 30, 2016)

Reports Issued

The following report(s) have been issued through the 2020 Census Memorandum Series:

- Analysis of Administrative Record Usage for Nonresponse Followup (Completed March 25, 2016)
- Results for Optimizing Self-Response (Completed June 23, 2016)

* Although issuance of the 2014 Census Test analysis reports was delayed to allow staff to focus on 2016 Census Test preparation, all outstanding 2014 Census Test analysis reports are currently in various stages of the clearance process.

2015 Optimizing Self-Response Test

Description

The 2015 Optimizing Self-Response Test was critical for assessing ways to maximize self-response for the 2020 Census. The scope of the Test included: testing self-response modes (including Internet, paper, and telephone); contact strategies for our preregistration tool, “Notify Me”; use of digital, targeted advertising methods to increase awareness and engagement, promoting the “Notify Me” and Non-ID response options, and encouraging participation in the Test; real-time processing of Non-ID cases; and optimization of the Internet data collection application for mobile devices. Data collection for the 2015 Optimizing Self-Response Test took place from February through May 2015 in the Savannah, Georgia, designated media market area (including several counties in South Carolina).

Key Activities

Publish Presubmission Federal Register Notice– August 27, 2014 (completed)
Deliver OMB (Paperwork Reduction Act) Clearance Package – December 2, 2014 (completed late on December 23)
Receive OMB (Paperwork Reduction Act) Approval – February 17, 2015 (completed)
Send “Notify Me” Postcard – February 20, 2015 (completed late on February 23)
Begin “Notify Me” – February 23, 2015 (completed)
Send Self-Response Letter/Postcard/Email Instructions – March 20, 2015 (completed)
Begin Self-Response Data Collection – March 23, 2015 (completed)
Send Self-Response First Reminder – March 27, 2015 (completed)
Conduct Wave 1 Automated Telephone Calls – March 30-April 1, 2015 (completed)
Census Day – April 1, 2015 (and postcard reminder) (completed)
Send Self-Response Second Reminder – April 1-7, 2015 (completed)
Send Final Reminders with Paper Questionnaire Booklets – April 7-14, 2015 (completed)
Conduct Nonrespondent Focus Groups – May 4-7, 2015 (completed)
Mail Postcard Invitation to Previously Non-sampled Households – May 18, 2015 (completed)
Conduct Wave 2 Automated Telephone Calls – May 18-20, 2015 (completed)
Complete Data Collection (related to primary test objectives) – May 31, 2015 (completed)
Complete Internet Data Collection – June 26, 2015 (completed early on June 23)
Conduct Reinterview Activities – July 15-August 7, 2015 (completed)
Release All Research and Analysis Reports – Quarter 4 of Fiscal Year 2016 (on a flow basis)

Status of Current Activities

Analysis reports are undergoing final executive-level clearance. Once complete, the reports will be issued, on a flow basis, through the 2020 Census Memorandum Series.

Reports under Development/Review

- 2015 Optimizing Self-Response Test Results (Expected Completion September 30, 2016)
- Analysis of Savannah Reinterview Results (Expected Completion September 30, 2016)
- Analysis of Non-ID Processing Results for the 2015 OSR and the 2015 Census Test (Expected Completion September 30, 2016)
- Analysis of the 2015 Census Test of Advertising and Partnerships (Expected Completion September 30, 2016)

2015 Census Test

Description

The 2015 Census Test was critical for assessing the feasibility of fully utilizing a field operations management system that leverages planned 2020 Census automation and available near real-time operational data, as well as data households have already provided to the government, to transform the efficiency and effectiveness of data collection operations. The scope of the Test included testing the use of administrative records to reduce and manage fieldwork; operational implementation of the Bring Your Own Device (BYOD) option for enumerators; use of automated training for enumerators and managers; testing and implementing routing and/or navigation; and the use of a reengineered approach to case management. The Test used two operating systems—the Research and Testing Operations Control System (RTOCS) for tracking fieldwork for the control panel and MOJO Operational Control System for Reengineered Field Operations for the two experimental panels. The Test also allowed us to begin examining such things as how our regional offices can remotely manage local office operations in an automated environment, the extent to which enumerator and manager interactions can occur without daily face-to-face meetings, and revised field staffing ratios. Data collection for the 2015 Census Test took place from March through August 2015 in Maricopa County, Arizona.

Key Activities

Publish Presubmission Federal Register Notice – September 2, 2014 (completed)
Deliver OMB (Paperwork Reduction Act) Clearance Package – December 2, 2014 (completed late on December 23)
Local Census Office (LCO) Open – January 26, 2015 (completed)
Receive OMB (Paperwork Reduction Act) Approval – February 17, 2015 (completed)
Systems Readiness Complete for Optimizing Self-Response (OSR) Systems – March 13, 2015 (completed)
Send Self-Response Letter and Instructions – March 20, 2015 (completed late on March 23)
Begin Self-Response Data Collection – March 23, 2015 (completed)
Send Self-Response First Reminder – March 27, 2015 (completed)
Census Day – April 1, 2015 (and postcard reminder) (completed)
Send Self-Response Second Reminder – April 1-7, 2015 (completed)
Complete Systems Readiness for Nonresponse Followup (NRFU) Systems – April 15, 2015 (completed – all systems are ready)
Send Final Reminders with Paper Questionnaire Booklets – April 8-14, 2015 (completed)
Begin NRFU – May 14, 2015 (completed)
Begin Field Staff Focus Groups – June 11, 2015 (completed)
Conduct BYOD Enumeration – June 15-27, 2015 (completed)
End NRFU – June 26, 2015 (completed early on June 23)
Conduct Evaluation Followup (EFU) – July 20-August 14, 2015 (completed early on August 12)
Conduct Respondent Focus Groups – July 20-23, 2015 (completed early July 13-16)
Release All Research and Analysis Reports – Quarter 4 of Fiscal Year 2016 (on a flow basis)

2015 Census Test

Status of Current Activities

Analysis reports are undergoing final executive-level clearance. Once complete, the reports will be issued, on a flow basis, through the 2020 Census Memorandum Series.

Reports under Development/Review

- 2015 Census Test: Overview Report (Expected Completion September 30, 2016)
- Nonresponse Evaluation Followup Analysis Report (Expected Completion September 30, 2016)
- ROCKiT Experimental Panel Test Results (Expected Completion September 30, 2016)
- Analysis of Administrative Records Usage (Expected Completion September 30, 2016)
- Adaptive Design (Expected Completion September 30, 2016)
- Imputation Research (Expected Completion September 30, 2016)

Reports Issued

The following report(s) have been issued through the 2020 Census Memorandum Series:

- Address Validation Test (Completed March 25, 2016)

2015 National Content Test

Description

The 2015 National Content Test (NCT) used a nationally representative sample of approximately 1.2 million households to evaluate and compare different census content and to test different contact strategies for optimizing self-response. The scope of the Test included: content testing for questions on race and Hispanic origin (e.g., combining race and Hispanic origin into a single question vs. using separate questions, introduction of a Middle Eastern North African category), relationship (introduction of same-sex relationship categories), and within-household coverage (streamlined approach for ensuring accurate within-household coverage); continued testing of self-response modes and contact strategies (timing of invitations/notifications), targeted mail strategies to address the differences in Internet access based on demographics and regions, and optimization of the Internet data collection application for mobile devices. The Test also included a reinterview (of a subsample of respondents) to further assess the accuracy and reliability of the question alternatives for race, Hispanic origin, and within-household coverage. The 2015 NCT used a nationally representative sample to test various versions of questions that may appear on the 2020 Census and future American Community Survey questionnaires. Data collection for the 2015 NCT took place from August through December 2015.

Key Activities

Publish Presubmission Federal Register Notice – December 2, 2014 (completed)
Deliver OMB (Paperwork Reduction Act) Clearance Package – April 15, 2015 (completed – posted in Federal Register on May 22)
Receive OMB (Paperwork Reduction Act) Approval – June 23, 2015 (completed)
Send Paper Questionnaire Booklets – August 20-September 22, 2015 (varies by panel – 11 total) (completed)
Begin Self-Response Data Collection – August 24, 2015 (completed)
Send Self-Response First Reminders – August 27 and August 31, 2015 (varies by panel – 11 total) (completed)
Census Day – September 1, 2015 (completed)
Send Additional Reminder Notifications – August 27-September 22, 2015 (varies by panel – 11 total) (completed)
Complete Data Collection – October 30, 2015 (completed)
Complete Reinterview – December 14, 2015 (completed) (originally scheduled for November 25)
Complete Research and Analysis Reports – December 30, 2016

Status of Current Activities

In preparation for review, staff are completing data analysis and preparing analysis reports. Once complete, the reports will be sent out for critical review, governance review, and final executive-level clearance. Once cleared, the reports will be issued, on a flow basis, through the 2020 Census Memorandum Series.

2015 National Content Test

Status of Current Activities cont'd

Reports under Development/Review

- Optimizing Self-Response (Expected Completion December 30, 2016)
- Race and Ethnicity (Expected Completion December 30, 2016)
- Relationship (Expected Completion December 30, 2016)
- Coverage (Expected Completion December 30, 2016)
- Analysis of Non-ID Processing Results (Expected Completion December 30, 2016)
- 2015 National Content Test Telephone Questionnaire Assistance Centurion Instrument Interviewer Debriefing (Expected Completion December 30, 2016)

2016 Census Test

Description

The 2016 Census Test is an operational study of both self-response and nonresponse followup procedures. The self-response objectives include testing the provision of language support to limited English proficient populations, testing the ability to reach demographically diverse populations, and refining Real-Time Non-ID Processing (RTNP) methods.

The nonresponse followup objectives include the following strategies: the use of administrative records and third-party data to reduce cost while maintaining quality; reengineering field operations using models to reduce travel time and determine the best time for the enumerator to contact the respondent; and streamlining the staffing and supervisory structure.

Systems testing includes the use of a Census Bureau server-based infrastructure¹ to support self-response and Non-ID Processing (for those responses where the Census ID is not used), and to measure the systems' abilities to manage a significant number of concurrent users. Also, this Test is utilizing CEDCaP systems (Control and Response Data System and the Multimode Operational Control System) for the first time in support of response processing operations. Data collection for the 2016 Census Test began in March 2016 and will continue through June 2016 in Los Angeles County, California, and Harris County, Texas.

Key Activities

2016 Site Selection Announcement – June 26, 2015 (completed)

Publish Presubmission Federal Register Notice – August 4, 2015 (completed/published)

Deliver OMB (Paperwork Reduction Act) Clearance Package – October 28, 2015 (delivered November 19, 2015)

Receive OMB (Paperwork Reduction Act) Approval – January 12, 2016 (approval received January 14, 2016)

Open Regional Census Centers (RCCs) – September 24, 2015 (completed/opened RCCs)

Conduct Recruiting – October 2015 – April 2016 (Began on November 2, 2015; completed March 18, 2016)

Open Area Operations Support Centers (AOSCs) – January 2016 (Houston, TX AOSC opened January 25, 2016; Los Angeles, CA AOSC opened February 3, 2016 (originally scheduled for February 1, 2016)) (completed)

Conduct 2016 Census Test – March-June 2016 (completed)

Begin Self-Response Data Collection – March 2016 (began March 21, 2016)

Mail Initial Invitation Letters and Questionnaires – March 2016 (completed March 21, 2016)

Launch Internet Self-Response Data Collection Application – March 2016 (completed March 21, 2016)

Mail first reminder letter or postcard to housing units – March 2016 (completed March 24, 2016)

Census Day – April 1, 2016 (completed)

Conduct Field Staff Training – April-May 2016 (began April 11, 2016; completed May 21, 2016)

Conduct Coverage Reinterview – May-June 2016 (began May 2, 2016; completed June 26, 2016)

¹ On March 9, 2016, Decennial Management determined that the Cloud implementation of Internet data collection system (Primus) and RTNP would not be utilized for the 2016 Census Test. Primus/RTNP will instead use a server-based solution.

2016 Census Test

Key Activities cont'd

Conduct Nonresponse Followup (NRFU) – May-June 2016 (began May 12, 2016; completed June 30, 2016)

Conduct NRFU Reinterview – May-June 2016 (began May 13, 2016; completed June 30, 2016)

Complete Research and Analysis Reports – Quarter 2 of Fiscal Year 2017

Summary of Activities (last 30 Days)

Paper Data Capture

Paper data capture operations at the NPC using the iCADE system ended on July 1, 2016.

Self-Response

Internet self-response data collection ended on July 8, 2016.

Non-ID Processing

Non-ID Processing has performed automated address matching and census block geocoding for all responses to date that lack a Census ID. In addition, interactive matching and geocoding is complete for all Non-ID responses received so far that were not successfully matched and/or geocoded during automated processing. At the conclusion of self-response, 7,829 Non-ID responses had been received, about 3.7 percent of all self-response for the Test. This is consistent with the expected Non-ID response rate for this test. Preliminary analysis indicates that the rates for matching respondent-provided addresses were consistent with previous tests, as expected. Approximately 91 percent of the cases were matched in real time (i.e., while the respondents were still online), about 2.5 percent matched during subsequent automated processing, and roughly 1.5 percent matched during clerical processing. Overall the match rate was about 95 percent. Of the remaining cases in the two sites, only about 0.1 percent could not be assigned to a census block for tabulation purposes.

Nonresponse Followup (NRFU)

Staff conducted debriefing of Los Angeles County, California, field staff on July 6-7, 2016, which will help in our qualitative assessment of NRFU field operations. Staff also conducted a preliminary assessment of findings and feedback from observation reports, management reports, and from debriefing results to identify major themes associated with successes and challenges in the 2016 Census Test. The assessment informed the presentation of preliminary findings at the July 22, 2016 2020 Census Program Management Review.

Coverage Reinterview

The Coverage Reinterview involved recontacting respondents by telephone to collect information to inform an evaluation of the coverage questions. Analysis of the 2016 Census Test Coverage Reinterview operation is underway. A streamlined approach to the coverage questions, aimed at reducing respondent burden will be implemented with the 2017 Census Test and the 2017 Puerto Rico Census Test. Analysis of the 2016 Census Test Coverage Reinterview data will inform refinements to our approach to the coverage questions for the 2020 Census.

2016 Census Test

Summary of Activities (last 30 Days) cont'd

Field Infrastructure

In support of Field Infrastructure operations for the Test, field staff completed surveys in the Learning Management System (LMS) to obtain input regarding online and classroom training. Field staff who will no longer be needed for ongoing operations were encouraged to complete a Post-Operations Survey to provide input on their experiences. Staff received Post-Operation Survey results from 80.5 percent of the field staff (547 Enumerators and 21 Local Supervisors of Operations).

IT Infrastructure

The Field Office IT Deployment staff began execution of shutdown and disposition for 2016 Census Test field office IT infrastructure, which concluded July 26, 2016. The Mobile team oversaw the successful collection, sanitization, and return to the vendor of all decennial Device as a Service (dDaaS) devices deployed in support of the 2016 Census Test.

Look Ahead (next 60 Days)

Integrated Partnership and Communications

1. Closeout IPC activities and conduct lessons learned.

Non-ID Processing

1. Perform review of Non-ID analysis datasets generated from 2016 Census Test self-response and produce an internal draft report in early September 2016.
2. Analyze the results of the recollection of response data from a sample of Non-ID responders to the Test and produce an internal draft report in early September 2016. The results from the recollection effort will be compared with data from the original response as part of the Non-ID Response Validation effort for the Test.

Nonresponse Followup (NRFU)

1. Perform data analysis in support of the 2016 Census Test NRFU Operational Assessment Report.
2. Research and document various topics specific to reported observations, findings, and feedback from the 2016 Census Test.

Coverage Reinterview

1. Analyze and document the Coverage Reinterview results.

Address Canvassing Test

Description

The Address Canvassing Test will focus on the following: (1) measuring the effectiveness of In-Office Address Canvassing through In-Field Address Canvassing; (2) measuring the effectiveness of In-Field Address Canvassing; and (3) understanding the implications of moving from Assignment Area (a grouping of blocks) to Basic Collection Unit (BCU), which encompasses the characteristics of both collection blocks and assignment areas.

The Address Canvassing Test will include In-Office Address Canvassing and In-Field Address Canvassing. The In-Office Address Canvassing will include the Interactive Review and Active Block Resolution activities. The In-Field Address Canvassing activity will be full block listing of all living quarters. Both In-Office Address Canvassing and In-Field Address Canvassing will be based on the same input data (i.e., Master Address File (MAF) and Topologically Integrated Geographic Encoding and Referencing (TIGER)) and will be completed in time to compare the results from both activities with each other.

This Test will occur in two sites, Buncombe County, North Carolina, and St. Louis, Missouri. The sites include a variety of living quarters and address types (i.e., city-style addresses, noncity-style addresses, and location descriptions). Census field representatives will be hired to conduct In-Field Address Canvassing. All management and oversight activities will occur out of the regional offices.

Key Activities

Publish Presubmission Federal Register Notice – March 16, 2016 (published/completed on March 23, 2016)

Deliver OMB (Paperwork Reduction Act) Clearance Package – June 21, 2016 (completed on July 5, 2016)*

Receive OMB (Paperwork Reduction Act) Approval – August 22, 2016*

Begin Field Management Training – August 29, 2016

Conduct In-Office Address Canvassing Data Collection – September 9, 2016** (previously scheduled for July 18, 2016)

Begin Field Supervisor Training – September 12, 2016

Begin Field Representative Training – September 26, 2016

Conduct In-Field Address Canvassing Data Collection – October 3-November 15, 2016

Conduct In-Field Address Canvassing Re-Listing Data Collection – November 16-December 14, 2016

Release Address Canvassing Test Analysis Report – April 29, 2017

* The scope of the clearance package was expanded to include the Address Canvassing portion of the 2017 Puerto Rico Census Test, which added additional time to the Census Bureau's internal clearance process. This delayed delivery of the clearance package to OMB. In order to mitigate any impact on the test schedule, staff have developed a strategy to ensure that printed materials are updated, printed, and shipped to the regional census centers involved in the Test within eight calendar days of receiving the clearance. No impact foreseen at this time on the overall finish date for the Test.

** A change request has been processed for this milestone date. No delay foreseen at this time on the creation of the test analysis report.

Address Canvassing Test

Summary of Activities (last 30 Days)

Project Management

The staff finalized the Address Canvassing Test Study Plan through management review. The Study Plan details the questions to be answered by the Address Canvassing Test as well as the methodology and data requirements necessary to answer those questions.

Systems Integration and Engineering

Staff participated in the following readiness reviews for the Address Canvassing Test: the second Test Readiness Review for Training Release 1 and Release A (In-Field Address Canvassing), and the Production Readiness Review and Operational Readiness Review for Release I (In-Office Address Canvassing).

Geographic Programs

Staff delivered MAF Extract, Geographic Reference File-Codes, and spatial data for the Test on July 15, 2016.

Address Canvassing Operation

In preparation for Address Canvassing Field Representative Training in September, a Field Representative Training Dry Run was conducted from July 18, 2016 through July 22, 2016. Feedback from the Dry Run participants is being used to update the training materials.

Field Infrastructure

In support of Field Infrastructure operations for the Test, regional census center (RCC) staff completed recruiting and testing applicants for the Test. In total, RCC staff recruited and tested 495 applicants in Buncombe County, North Carolina, which exceeded the final recruiting goal of 469. In St. Louis, Missouri, RCC staff recruited a total of 683 applicants, which exceeded the final recruiting goal of 621 applicants. Build out of the RCC space within the Atlanta and Chicago regional offices has been completed.

Look Ahead (next 60 Days)

Address Canvassing Operation

1. Conduct testing for the training release of all systems.
2. Conduct In-Office Address Canvassing Interactive Review for the Test site areas.

Field Infrastructure

1. Begin hiring and onboarding process for all Census field supervisors and field representatives.
2. Begin configuration of the Learning Management System (LMS) in support of the Test.
3. Complete hiring and onboarding process as well as training for all RCC staff.

2017 Census Test

Description

The 2017 Census Test is a nationwide self-response test and a site test on tribal lands. It will allow the Census Bureau to test the feasibility of collecting tribal enrollment information. The 2017 Census Test will also allow the Census Bureau to test the integration of systems for the Update Enumerate operation. Update Enumerate (UE) is a data collection operation where census field staff visit households to update the list of addresses and count the people at each address. This operation typically occurs in areas where there is a low likelihood of mail delivery, American Indian Reservations, and communities with sparse populations. In addition to tribal areas, for the national test we will oversample areas with relatively high populations of American Indians and Alaska Natives as a mechanism for testing potential tribal enrollment questions.

The site test will take place on two American Indian areas — the Colville Indian Reservation and Off-Reservation Trust Land in Washington and the Standing Rock Indian Reservation in North Dakota and South Dakota. The Census Bureau is working with the tribal governments in these two American Indian areas to conduct this test. Approximately 3,500 and 2,900 households, respectively, within the areas will be asked to participate.

Key Activities

Publish Presubmission Federal Register Notice – July 26, 2016 (revised to early August)
Begin Hiring Partnership Staff – August 22, 2016* (previously scheduled for August 19, 2016)
Open Regional Census Centers (RCCs) – September 1, 2016
Begin Recruiting – September 1, 2016
Deliver OMB (Paperwork Reduction Act) Clearance Package – October 28, 2016
Receive OMB (Paperwork Reduction Act) Approval – December 30, 2016
Begin Census Questionnaire Assistance (CQA) – March 20, 2017
Begin Self-Response, Including Non-ID Processing – March 20, 2017
Census Day – April 1, 2017
Conduct UE – April 17-May 26, 2017
Conduct UE Reinterview – April 20-July 21, 2017
Conduct UE Followup – May 15-July 17, 2017

Summary of Activities (last 30 Days)

Program Management

Staff completed drafting the OMB Presubmission notice and submitted it for Census Bureau management review.

Systems Engineering and Integration

Staff conducted part 2 of the Critical Design Review (CDR) for the 2017 Census Test. This CDR focused on systems from the Enterprise Census and Survey Enabling (ECaSE) platform since details on those systems weren't available when part 1 of the CDR took place in June.

* This date was revised to August 22, 2016, after a correction was made to the baselined Integrated Master Schedule.

2017 Census Test

Summary of Activities (last 30 Days) cont'd

Content and Forms Design

Staff finalized questionnaires for cognitive testing of tribal enrollment questions and started designing nonquestionnaire paper materials.

Integrated Partnership and Communications (IPC)

Staff developed and finalized recruitment materials. Staff presented the IPC plan for the test to the National Advisory Committee (NAC) IPC Working Group.

Internet Self Response (ISR)

Staff began the ISR application development activities for the Enterprise Census and Survey Enabling (ECaSE) solution. More than three sprints worth of user stories have been completed for review. ISR mailing material content has been finalized.

Update Enumerate (UE)

Staff met with the business architects and system architects for the new listing and mapping application to be used in the Test.

Staff began writing the Update Enumerate Study Plan for the Test.

The Nonfunctional and Operational requirements were reviewed by UE stakeholders.

Field Infrastructure

In support of Field Infrastructure operations for the Test, staff identified existing space within the Denver and Los Angeles regional offices to be used as regional census centers in support of the Test.

Look Ahead (next 60 Days)

Program Management

1. Finalize the 2017 Census Test Plan.

Systems Engineering and Integration

1. Conduct a Test Readiness Review for the Field Recruiting systems.

Content and Forms Design

1. Conduct cognitive testing of tribal enrollment questions.

Geographic Programs

1. Deliver Geographic Reference File-Codes files for the Test by August 1, 2016.
2. Release Applicant Geocoding Service by August 12, 2016.
3. Start Interactive TEA Delineation by August 1, 2016.

2017 Census Test

Look Ahead (next 60 Days) cont'd

Integrated Partnership and Communications (IPC)

1. Send recruitment materials for printing.
2. Develop promotional messaging, materials, and products.
3. Develop web and mobile reporting strategy.

Internet Self-Response

1. Design of the mailing materials will be finalized.
2. Initial sprints of ISR application development should be completed.
3. Finalize logistics for the Every Door Direct Mailer in UE areas (both stateside and in Puerto Rico).

Update Enumerate

1. Finalize the Business Process Model and capability requirements.
2. Finalize the user stories for capability requirements exclusive to the UE operation.
3. Finalize the UE Study Plan for the Test.

Field Infrastructure

1. Finalize the Inter Agency Agreement (IAA) with the United States Postal Service (USPS) for fingerprinting temporary staff who will work on the Test.
2. Begin configuration of the Learning Management System (LMS) in support of the Test.

IT Infrastructure

1. Award the decennial Device as a Service (dDaaS) contract for the Test. The dDaaS vehicle will provide devices, device configuration, and associated logistics support for the Test.
2. Receive Authorization to Operate (ATO) for the Amazon GovCloud solution, which will be used to support the Enterprise Census and Survey Enabling (ECaSE) platform implementation for the Test.
3. Provision the ECaSE platform into the Cloud test environment (complete architecture design, provisioning, and integration) for the Test.
4. Conduct additional market research on device manufacturers, cellular carriers, and mobile device provisioning facilities, as well as Mobile Device Management (MDM), security software, and associated configurations.

2017 Puerto Rico Census Test

Description

The 2017 Puerto Rico Census Test will provide the Census Bureau an important opportunity to test components of new technologies to ensure they work independently and together, and also an opportunity to gain some test experience with Puerto Rico addresses and residents ahead of the 2020 Census. The Test will evaluate the effectiveness of address canvassing and integration of the data collection methods—primarily, the data collection geared toward self-response* and nonresponse followup.

The Test will take place in three municipios within the San Juan metro area. Approximately 123,000 addresses within Carolina, Loíza, and Trujillo Alto will be involved.

Key Activities

Publish Presubmission Federal Register Notice – July 19, 2016 (completed)
Begin Partnership Staff Hiring – July 19, 2016 (completed)
Open Regional Census Center (RCC) – August 8, 2016
Conduct In-Office Address Canvassing – September 1- October 24, 2016
Begin Recruiting – September 1, 2016
Deliver OMB (Paperwork Reduction Act) Clearance Package – October 14, 2016
Receive OMB (Paperwork Reduction Act) Approval – December 15, 2016
Open Puerto Rico Area Census Office (ACO) – December 12, 2016
Begin In-Field Address Canvassing – February 21, 2017
Begin Census Questionnaire Assistance (CQA) – March 20, 2017
Begin Self-Response, Including Non-ID Processing – March 20, 2017
Begin In-Field Address Canvassing Relisting – March 20, 2017
Census Day – April 1, 2017
Begin Update Enumerate (UE) – April 17, 2017
Begin UE Reinterview – April 20, 2017
Begin Nonresponse Followup (NRFU) – May 12, 2017
Begin NRFU Reinterview – May 15, 2017
Begin UE Followup – May 15, 2017

Summary of Activities (last 30 Days)

Systems Engineering and Integration

Staff conducted part 2 of the Critical Design Review (CDR) for the 2017 Puerto Rico Census Test. This CDR focused on systems from the Enterprise Census and Surveys Enabling (ECaSE) platform since details on those systems were not available when part 1 of the Critical Design Review took place in June 2016.

Content and Forms Design

Staff started design of nonquestionnaire paper materials.

Integrated Partnership and Communications (IPC)

The team developed and finalized recruitment materials in English and Spanish. Staff presented the IPC plan to the National Advisory Committee (NAC) IPC Working Group.

* Self-response data collection modes for the Test include: paper, Internet, and telephone.

2017 Puerto Rico Census Test

Summary of Activities (last 30 Days) cont'd

Update Enumerate (UE)

Staff met with the business architects and system architects for the new listing and mapping application to be used in the Test. Staff provided critical functionality components, reviewed and commented on user stories, and helped to design the business workflow diagram.

Staff began writing the Update Enumerate Study Plan for the Test. The initial draft was distributed, and the UE team reviewed and provided comments.

The Nonfunctional and Operational requirements were reviewed by UE stakeholders.

Nonresponse Followup

Staff developed nonresponse followup contact strategies for the Test.

Response Processing

Staff delivered specifications for the Response Processing Operation for the Test. Staff re-baselined the Response Processing operation's integrated master schedule on July 27, 2016.

Field Infrastructure

Staff documented Regional Census Center requirements to support Puerto Rico Field operations. Additionally, staff developed a draft Interagency Agreement (IAA) between the Census Bureau and United States Postal Office (USPS) for fingerprinting temporary staff who will work on this test.

Look Ahead (next 60 Days)

Program Management

1. Finalize the 2017 Puerto Rico Census Test Plan.

Geographic Programs

1. Deliver Geographic Reference File-Codes files for the Test by August 12, 2016.
2. Release Applicant Geocoding Service by August 12, 2016.

Integrated Partnership and Communications (IPC)

1. Send recruitment materials for printing.
2. Develop promotional messaging, materials, and products.
3. Develop web and mobile reporting strategies.

Update Enumerate (UE)

1. Finalize the Business Process Model and capability requirements for the Test.
2. Finalize the user stories for capability requirements exclusive to the UE operation.
3. Finalize the UE Study Plan for the Test.

2017 Puerto Rico Census Test

Look Ahead (next 60 Days) cont'd

Nonresponse Followup (NRFU)

1. Finalize the Business Process Model and capability requirements for the Test.
2. Participate in the development of user stories for capability requirements supporting the Test.
3. Finalize the requirements for operational reports produced during field data collection.
4. Finalize the NRFU Study Plan for the Test.

Field Infrastructure

1. Secure office space for the Test and 2020 Census operations in Puerto Rico.
2. Start translation of all required materials into Spanish.
3. Acquire Learning Management System (LMS) integration vendor.

IT Infrastructure

1. Award the decennial Device as a Service (dDaaS) contract for the Test. The dDaaS vendor will provide devices, device configuration, and associated logistics support for the Test.
2. Receive Authorization to Operate (ATO) for the Amazon GovCloud solution, which will be used to support the Enterprise Census and Survey Enabling (ECaSE) platform implementation for the Test.
3. Conduct additional market research on device manufacturers, cellular carriers, and mobile device provisioning facilities, as well as Mobile Device Management (MDM) and security software and associated configurations.
4. Provision the ECaSE platform into the Cloud test environment (complete architecture design, provisioning, and integration) for the Test.
5. Finalize the new RCC network design for implementation for Test and begin procurement for required equipment to support the Test.
6. Equip the RCC and the Puerto Rico ACO for the Test.

Status of Major 2020 Census Operations

The 2020 Census includes 34 operations that are organized into eight major areas that correspond with the Census Bureau standard Work Breakdown Structure (WBS). The term operation refers to both support and business functions.

The status of these operations are reported on the following pages, which are organized by major area. Please note, only operations that are underway are discussed on the following pages.

Table 1 on the following pages describes all 34 operations as defined in the 2020 Census Operational Plan issued on October 6, 2015.

Completed or planned activities specifically supporting past or current Tests are reported on the relevant Test page (pages 5-21). Otherwise, they are reported on the relevant 2020 Census Operations page (pages 26-32).

Figure 1: Operational Overview by WBS

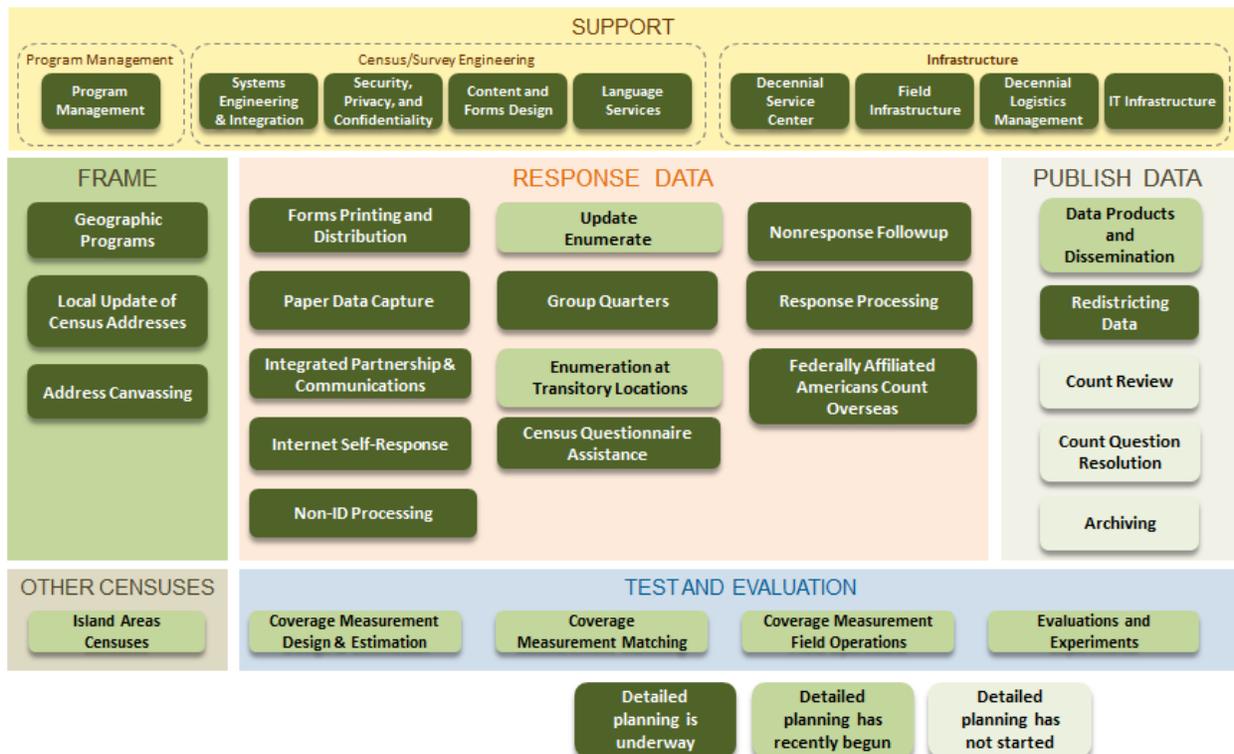


Table 1: 2020 Census Operations and Purpose

Operations	Purpose
Census/Survey Engineering	
Systems Engineering and Integration (SE&I)	Manage the delivery of a system of systems that meets the 2020 Census Program business and capability requirements. Implement and manage the full Enterprise Systems Development Life-Cycle for systems supporting the 2020 Census.
Security, Privacy, and Confidentiality	Ensure that all operations and systems used in the 2020 Census adhere to the appropriate systems and data security, respondent, and employee privacy and confidentiality policies, and regulations.
Content and Forms Design	Identify, research, and finalize content and design of questionnaires and other nonquestionnaire materials, ensure consistency across data collection modes and operations, and promote high response rates and accurate and consistent responses across modes.
Language Services	Assess and support language needs of non-English speaking populations for all modes and other mailing and field materials, determine the number of languages and level of support required, optimize non-English content, and ensure cultural relevancy and meaningful translation of non-English materials.
Frame	
Geographic Programs	Provide the geographic foundation in support of the 2020 Census data collection and tabulation activities, including delineation of boundaries in the Master Address File (MAF)/Topologically Integrated Geographic Encoding and Referencing (TIGER) System, delivery of address and spatial extracts from the MAF/TIGER System, and updates to the MAF/TIGER System.
Local Update of Census Addresses (LUCA)	Provide an opportunity for tribal, federal, state, and local governments to review and improve the address lists and maps used to conduct the 2020 Census as required by Public Law (P.L.) 103-430.
Address Canvassing	Deliver a complete and accurate address list and spatial database for enumeration and determine the type and address characteristics for each living quarter.
Response Data	
Forms Printing and Distribution	Print and distribute Internet invitations, reminder postcards, and questionnaire mailing packages to support the 2020 Census mailing strategy and enumeration of the population.
Paper Data Capture	Capture and convert data from the 2020 Census paper questionnaires, including document preparation, scanning, Optical Character Recognition, Optical Mark Recognition, Key from Image, editing, and checkout.
Integrated Partnership and Communications (IPC)	Communicate the importance of participating in the 2020 Census to the entire population of the 50 states, the District of Columbia, and Puerto Rico. Motivate people to self-respond, preferably via the Internet, and raise and keep awareness high throughout the entire 2020 Census.

Operations	Purpose
Internet Self-Response	Collect response data via the Internet to reduce paper and Nonresponse Followup and maximize online response to the 2020 Census via contact strategies and improved access for respondents.
Non-ID Processing	Make it easy for people to respond anytime, anywhere to increase self-response rates by providing response options that do not require a unique Census ID.
Update Enumerate (UE)	Update the address and feature data and enumerate housing units in certain designated geographic areas with special enumeration needs (e.g., areas that do not have city-style addresses and areas with unique challenges associated with accessibility).
Group Quarters (GQ)	Enumerate people living or staying in group quarters, people experiencing homelessness, and people receiving service at service-based locations.
Enumeration at Transitory Locations (ETL)	Enumerate individuals in occupied units at transitory locations such as recreational vehicle parks, camp grounds, tent cities, racetracks, circuses, carnivals, marinas, hotels, and motels, who do not have a usual home elsewhere.
Census Questionnaire Assistance (CQA)	Provide questionnaire assistance for respondents by answering questions about specific items on the census form or other frequently asked questions about the 2020 Census and provide an option for callers to complete a census interview over the telephone.
Nonresponse Followup (NRFU)	Determine housing unit status for nonresponding addresses and enumerate housing units for which a census response was not received.
Response Processing	Establish the initial 2020 Census universe, assign the specific enumeration strategy for each census case based on case status and associated paradata, create and distribute workload files required for enumeration operations, track case enumeration status, and run post-data collection processing actions in preparation for producing the final 2020 Census results.
Federally Affiliated Americans Count Overseas	Obtain counts by home state of U.S. military and federal civilian employees stationed or deployed overseas and their dependents living with them.
Publish Data	
Data Products and Dissemination	Prepare and deliver the 2020 Census population counts to the President of the United States for congressional apportionment, tabulate and disseminate 2020 Census data products for use by the states for redistricting, and tabulate and disseminate 2020 Census data for use by the public.
Redistricting Data	Provide to each state the legally required P.L. 94-171 redistricting data tabulations by the mandated deadline of one year from Census Day: April 1, 2021.
Count Review	Enhance the accuracy of the 2020 Census by implementing an efficient and equitable process for Federal-State Cooperative Population Estimates members to identify missing housing units and missing or geographically misallocated large group quarters.

Operations	Purpose
Count Question Resolution (CQR)	Provide a mechanism for governmental units to challenge their official 2020 Census results.
Archiving	Provide 2020 Census records deemed permanent, including files containing individual responses, to the National Archives and Records Administration for archiving and to the National Processing Center (NPC) to use as source materials to conduct the Age Search Service.
Other Censuses	
Island Areas Censuses (IA)	Update and enumerate all living quarters in the Pacific Island Area of American Samoa, the Commonwealth of the Northern Mariana Islands, Guam, and the U.S. Virgin Islands, collectively known as the Island Areas.
Test and Evaluation	
Coverage Measurement Design and Estimation	Develop the survey design and sample for the post-enumeration survey for the 2020 Census. It also produces coverage error estimates and independent assessment of coverage via demographic analysis.
Coverage Measurement Matching	Identify matches and nonmatches between the 2020 Census and the Census Coverage Measurement Survey for the enumerated housing units and people.
Coverage Measurement Field Operations	Collect person and housing unit information (independent from the 2020 Census operations) for the sample of housing units in the Census Coverage Measurement Survey.
Evaluations and Experiments	Measure the success of critical 2020 Census operations. Formulate and execute an experimentation program to support early planning and inform the transition and design of the 2030 Census.
Infrastructure	
Decennial Service Center (DSC)	Support 2020 Census Field Operations and handle all service requests initiated by field staff.
Field Infrastructure	Coordinate space acquisition for and lease management of the Regional Census Centers and field offices and provide the administrative infrastructure for data collection operations covering the 50 states, Washington, D.C., and Puerto Rico.
Decennial Logistics Management	Provide logistics management services to include procuring warehouse space, warehousing, inventory management, kit assembly, deployment of materials, and receiving and accessing materials.
IT Infrastructure	Provide the IT Infrastructure to support the 2020 Census, including enterprise systems and applications, 2020 Census-specific applications, field IT infrastructure, and mobile computing.
Program Management	
Program Management	Define and implement program management policies, processes, and the control functions for planning and implementing the 2020 Census.

Census/Survey Engineering

Description

Four operations support the Census/Survey Engineering area of the 2020 Census: Systems Engineering and Integration (SE&I); Security, Privacy, and Confidentiality; Content and Forms Design; and Language Services. For the description of these operations, please see Table 1.

Summary of Activities (last 30 days)

Staff delivered refreshes of the external demand models for self-response, paper data capture, and non-ID processing. All models were updated using results from the 2016 Census Test. Additional data were presented from the self-response model for staff to consider as options for staggering the 2020 Census mailout to reduce response surges, particularly for Census Questionnaire Assistance (CQA). In addition, staff presented an updated version of the onboarding model to staff developing Census Schedule A Human Resources and Recruiting Payroll System (C-SHaRPS).

Look Ahead (next 60 days)

SE&I

1. Submit the 2020 Census Solution Architecture document, the 2020 Census ATP, and 2020 Census IIP for baselining.
2. Complete the IT Roadmap component of the 2020 Census Architecture and IT Roadmap.
3. Refresh the Decennial Service Center External Demand Model with results from the 2016 Census Test.
4. Deliver Non-Functional Requirements for upcoming census tests and for the 2020 Census.
5. For the Address Canvassing Test: participate in Training Release 1 PRR and ORR; Release A PRR.
6. For the 2017 Census Test and 2017 Puerto Rico Census Test: participate in TRRs for Recruiting Release 1, Training Releases 1 and 2, Release A, Release C (Self-Response), and Release I. Also, Release I PRR and ORR.
7. For the 2018 End-to-End Census Test: participate in part 2 of the System Requirements Review, the CDR, and the TRR for Release I.

Frame

Description

Three operations support the frame area of the 2020 Census: Geographic Programs; Local Update of Census Addresses (LUCA); and Address Canvassing. For the description of these operations, please see Table 1.

Summary of Activities (last 30 days)

In support of the Geographic Programs operation, reference files have been obtained regarding the Coding Accuracy Support System (CASS) mailability for the 2020 Initial Type of Enumeration Area (TEA) Delineation. The 2020 Initial TEA Delineation was completed on July 27, 2016. Development and testing of the Geographic Update Partnership Software (GUPS) continues and updates to system documentation were made. The team is developing requirements for contact databases and control systems to support the Participant Statistical Areas Program. The 2020 Business Process models have been refined. The Geographic Programs Detailed Operational plans have been drafted and submitted for initial review.

In support of the Address Canvassing operation, staff are evaluating commercial data (housing unit address and associated geographic coordinate files) through the review of metadata and matching to the Master Address File (MAF). These commercial data were acquired through contract awards made to five address file vendors in September 2015. Staff held a Project-Level Test Readiness Review (TRR) for In-Office Address Canvassing

The 2020 Census In-Office Address Canvassing Interactive Review production continues and is meeting the expected production goals. The clerks have reviewed 3,774,047 blocks during Interactive Review from the beginning of production in September 2015 through July 29, 2016. This process classifies the blocks into three categories:

- Passive = blocks that do not show signs of change and need no further review at this time.
- Active = blocks that show signs of change and need to move to the next phase of In-Office Address Canvassing for further review.
- On Hold = blocks that need new imagery to do the Interactive Review.

As of July 29, 2016, 71.8 percent of the blocks were classified as Passive, 18.6 percent were classified as Active, and 9.6 percent were classified as On Hold.

The 2020 Census In-Office Address Canvassing Active Block Resolution (ABR) production began at headquarters on April 19, 2016. Active Block Resolution has been conducted at headquarters to prove in the procedures and the operation began at the National Processing Center (NPC) this month. The NPC has started recruiting and onboarding activities for brand new employees to add to their ABR units. The first ABR unit in NPC was trained July 11, 2016, through July 15, 2016, and they began working in production on July 18, 2016. The staff have reviewed 5,268 blocks from the beginning of production through July 29, 2016. Fifty-four staff are working ABR in production and 10 are performing quality control.

Frame

Summary of Activities (last 30 days) cont'd

The 2020 Census ABR process classified the blocks into four categories:

- Resolved = blocks that were reviewed and all issues were resolved in the office.
- Sent to Field = blocks that were reviewed but all of the issues were not resolved in the office.
- Additional GQ Research Needed = blocks that were reviewed but require additional review to confirm the status of a group quarters.
- On Hold = blocks that are undergoing construction and need update imagery or waiting for boundary changes to be made before reviewing the block.

As of July 29, 2016, 77.6 percent of the blocks were classified as Resolved, 15.6 percent were classified as Sent to Field, 1.2 percent were classified as needing additional group quarters research, and 5.6 percent were classified as On Hold.

The MAF Coverage Study began listing the 18,500 tabulation blocks selected for Fiscal Year 2016. As of July 31, 2016, the MAF Coverage Study field representatives have completed 13,822 of the 18,500 tabulation block assignments, which meets the expected production goals.

Look Ahead (next 60 days)

Geographic Programs

1. Deliver Initial 2020 Census TEA Delineation products, including maps.
2. Complete review of Puerto Rico partner file address data.

LUCA

1. Complete the following items for the 2020 Census:
 - a. LUCA Report Requirements
 - b. Requirements for LUCA Computer-Based Training WebEX
 - c. Requirements for LUCA Address Count List
2. Release the 2020 Census LUCA Detailed Operational Plan.
3. The 60 Day Comment period ends for the 2020 Census LUCA OMB Clearance Presubmission notice to the Federal Register.

Address Canvassing

1. Prepare the OMB Presubmission Package for 2020 Census In-Office Address Canvassing.
2. Evaluate the MAF Coverage Study FY17 sample to determine if staffing needs within each region need adjustment.

Response Data

Description

Twelve operations support the response data area of the 2020 Census: Forms Printing and Distribution; Paper Data Capture; Integrated Partnership and Communications; Internet Self-Response; Non-ID Processing; Update Enumerate; Group Quarters; Enumeration at Transitory Locations; Census Questionnaire Assistance; Nonresponse Followup; Response Processing; and Federally Affiliated Americans Count Overseas. For the description of these operations, please see Table 1.

Summary of Activities (last 30 days)

In support of the Integrated Partnership and Communications (IPC) operation, the 2020 Census Integrated Communications Contract (ICC) is on schedule to be awarded in August 2016.

In support of the Update Enumerate (UE) operation, staff provided capability requirement updates for the 2018 End-to-End Census Test.

In support of the Group Quarters (GQ) operation, the GQ Operation IPT refined the Business Process Model and Requirements for the 2018 End-to-End Census Test.

In support of the 2020 Census Questionnaire Assistance (CQA) operation, the contract was awarded on July 12, 2016, to General Dynamics Information Technology. The kickoff meeting with the awardee was held on July 15, 2016. A protest to this contract award was submitted to GAO by MAXIMUS Federal Services, Inc. on July 25, 2016, with a supplemental protest submitted on July 28, 2016.

In support of the Nonresponse Followup (NRFU) operation, staff provided capability requirement updates for the 2018 End-to-End Census Test. Staff also initiated efforts to develop workload estimates for the Test.

Look Ahead (next 60 days)

Integrated Partnership and Communications

1. Award 2020 Census Integrated Communications Contract.
2. Hold kickoff meeting and "Census 101" sessions with selected integrated communications contractor.

Update Enumerate (UE)

1. Align operational changes made for the 2017 Census Test and the 2017 Puerto Rico Census Test to the 2018 End-to-End Census Test and 2020 Business Process Models and capability requirements.

Group Quarters (GQ)

1. Review and finalize the 2016 Service Based Enumeration (SBE) Census Test Analysis Report.

Nonresponse Followup (NRFU)

1. Complete the 2020 Census Nonresponse Followup Detailed Operational Plan.

Publish Data

Description

Five operations support the publish data area of the 2020 Census: Data Products and Dissemination; Redistricting Data Program; Count Review; Count Question Resolution; and Archiving. For the description of these operations, please see Table 1.

Summary of Activities (last 30 days)

The Redistricting Data Program (RDP) completed a 2020 Census RDP kickoff meeting in Jackson, Mississippi, bringing the total number of states visited to 20. These visits provide the states an opportunity to ensure the Census Bureau captures their needs in regards to useful census redistricting data as required by Public Law (P.L.) 94-171. The visits also provide the states an opportunity to learn about the 2020 Census Redistricting Data Program, 2020 Census planning, and upcoming Census Bureau geographic partnership programs.

For Phase 1 of the 2020 Census RDP, the Block Boundary Suggestion Project (BBSP), all states have completed submitting their responses, with 1,151 counties submitting changes. After passing initial review, 791 counties were delivered to the Geography Division for processing into the Master Address File (MAF)/Topologically Integrated Geographic Encoding and Referencing (TIGER) system. This meets the expected production goals.

The Count Review Team developed business process models and capability requirements for the 2020 Census Count Review operation. Additional details and requirements will be developed to refine the models and requirements as the operational design for the Count Review operation matures.

Look Ahead (next 60 days)

Redistricting Data Program

1. Continue the 2020 Census RDP kickoff meetings.
2. Complete processing of all BBSP returns and insertion of updates into the MAF/TIGER System.
3. Begin preparation for the verification portion of Phase 1 – BBSP, including preparing participant materials for the states so they can verify BBSP submissions were processed as expected.
4. Conduct the primary stakeholder engagement meetings at National Conference of State Legislatures.

Test and Evaluation

Description

Four operations support the Test and Evaluation area of the 2020 Census: Coverage Measurement Design and Estimation; Coverage Measurement Matching; Coverage Measurement Field Operations; and Evaluations and Experiments. For the description of these operations, please see Table 1.

Summary of Activities (last 30 days)

In support of the Evaluation and Experiments operation, staff supported the 2030 Census Envisioning JASON Project. The JASONS are an autonomous group of academics that have assisted the federal government for decades in proposing solutions to our most challenging problems. The focus of the 2030 Census Envisioning project is to solicit ideas and thoughts on the environment in which we may be conducting the 2030 Census. This will help establish the vision for the 2030 Census and lay the groundwork for the 2030 Census research agenda. In support of this effort, staff provided requested historical documents and documents supporting the plans for the 2020 Census Program.

In support of the Coverage Measurement Design and Estimation operation, the team drafted and presented the 2020 Coverage Measurement Sample Design Study Plan to the Decennial Research Objectives and Methods (DROM) Group. The DROM is a governing body associated with the Evaluations and Experiments operation that reviews research and analysis associated with the 2020 Census. The team also developed business process models and capability requirements in support of the 2018 End-to-End Census Test and the 2020 Census.

The Coverage Measurement Field Operations and Matching Team is developing its business process models and capability requirements. In addition, the team has drafted contact strategies associated with the Coverage Measurement field data collection operations.

Look Ahead (next 60 days)

Evaluations and Experiments

1. Plan and conduct a session with the DROM to review and discuss the research/study plans for the 2017 Census Test and the 2017 Puerto Rico Census Test.

Infrastructure

Description

Four operations support the infrastructure area of the 2020 Census: Decennial Service Center; Field Infrastructure; Decennial Logistics Management; and IT Infrastructure. For the description of these operations, please see Table 1.

Summary of Activities (last 30 days)

In support of the IT Infrastructure operation, the Cloud team has developed a working Cloud Governance Process and a Cloud Cost Modeling Tool.

Pre-award activities continued during the month of July for the 2020 Census Technical Integrator Contract. Final proposals were received from Bidders on the Request for Proposal (RFP) on June 30, 2016. The Technical Evaluation Team and the Cost Evaluation Team conducted evaluations, held consensus meetings, reached consensus, and prepared documents for Source Evaluation Board review. Additionally, staff drafted the 2020 Technical Integrator Government Program Management Office (PMO) staffing proposal for management review.

Look Ahead (next 60 days)

Field Infrastructure

1. Decennial Space & Leasing
 - a. Partner with General Services Administration (GSA) to refine potential areas of consideration for the 2020 Census Regional Census Centers.
 - b. Acquire 2018 End-to-End Census Test space.

IT Infrastructure

1. Cloud
 - a. Complete the draft Request for Proposal (RFP) for the 2020 Census Phase 2 Cloud Contract.
 - b. Finalize the Cloud Concept of Operations (CONOPS) for the Comprehensive Cloud Test Plan.
2. Field Office IT Infrastructure
 - a. Draft a Request for Information (RFI) to refine the 2020 Census acquisitions approach for Field Office IT Infrastructure required to support the 2020 Census.
3. Mobile
 - a. For the 2020 Census, conduct additional market research on device manufacturers, cellular carriers, and mobile device provisioning facilities, as well as Mobile Device Management (MDM) and security software and associated configurations.

Additional Updates

Oversight & Stakeholder Engagement

Description

This section describes major activities related to Government Accountability Office (GAO) and Office of the Inspector General (OIG) audits (e.g., new audits, exit meetings for completed audits, issuance of draft and final reports, preparation of agency action plans); congressional hearings related to the 2020 Census; and presentations and working meetings with our advisory committees, the 2020 Census National Academy of Sciences Standing Committee on Reengineering Census Operations, and other external stakeholders.

Summary of Activities (last 30 days)

1. On July 13, 2016, OIG held their formal entrance meetings for the Use of Administrative Records engagement and the Address Canvassing Test engagement.
2. On July 14, 2016, participated in the 2016 Annual League of United Latin American Citizens (LULAC) National Convention and Exposition.
3. Participated in the Census Information Center and State Data Center Steering Committee meeting on July 18, 2016.
4. Conducted the 2020 Census Program Management Review (PMR) on July 22, 2016.
5. Participated in the National Association of Counties Annual Conference July 22-25, 2016.
6. Announced the 2018 End-to-End Census Test site locations on July 22, 2016. The Test will be conducted in Pierce County, Washington; Providence County, Rhode Island; and, Bluefield-Beckley-Oak Hill, West Virginia.
7. Action plan for the OIG final report, 2020 Census: The Bureau Has Not Reported Test Results and Executed an Inadequately Designed 2015 Test was sent to OIG on July 27, 2016.
8. Participated in the American Statistical Association's Joint Statistical Meetings July 30-August 4, 2016, in Chicago, Illinois.

Look Ahead (next 60 days)

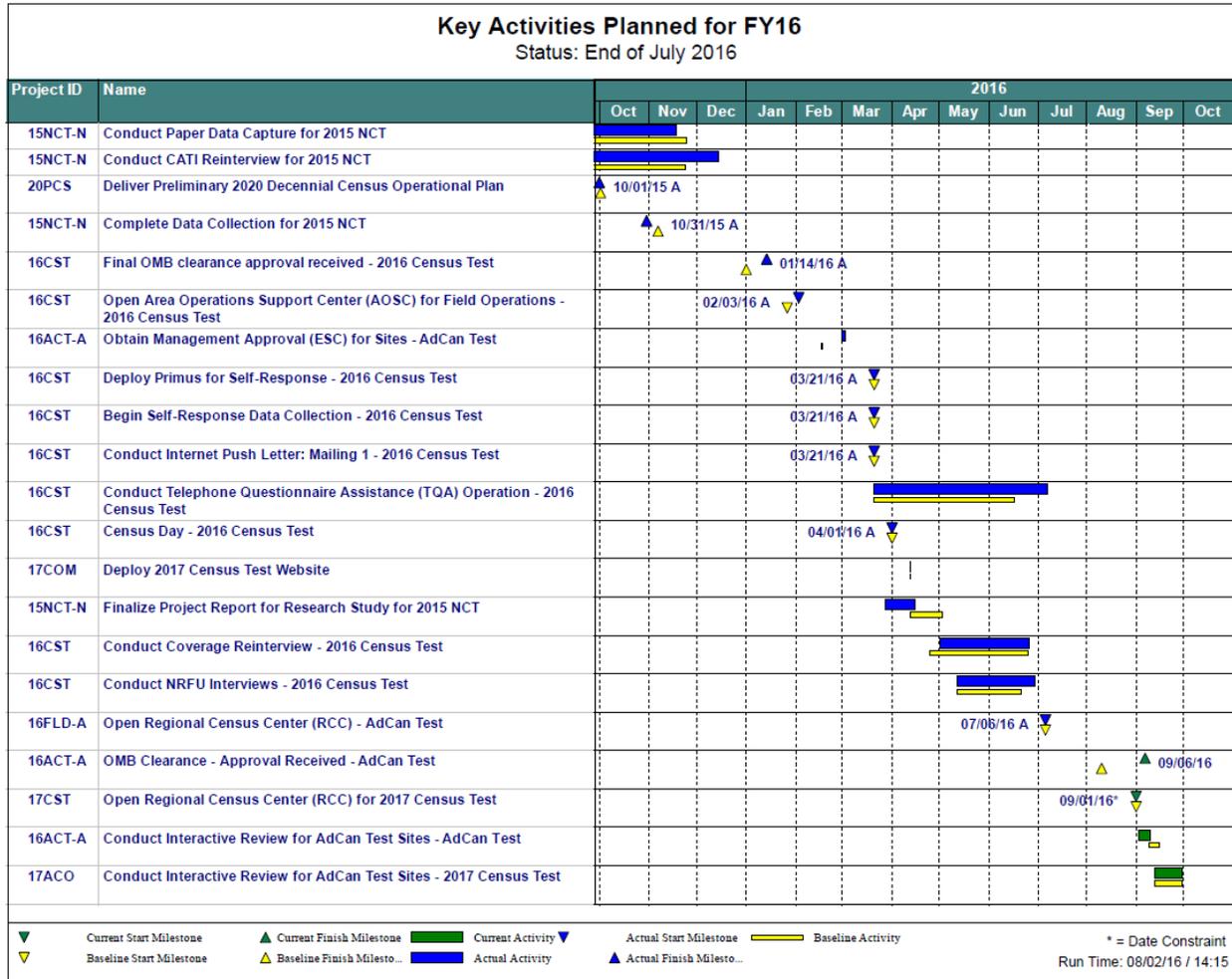
August 2016

1. Action plan for the GAO final report, Census Bureau Needs to Improve its Lifecycle Cost Estimation Process, is due August 29, 2016.
2. Participate in the Kentucky State Data Center meeting in Louisville on August 5, 2016.

September 2016

1. GAO is expected to deliver their final report on CEDCaP in early September.
2. Participate in the Montana State Data Center meeting in Helena on September 14- 15, 2016.
3. Participate in the Arizona State Data Center meeting in Phoenix on September 15, 2016.

Program Schedule Metrics Research & Testing



Explanations for Project Start/Finish Delays

Activity 16CST: "Conduct Telephone Questionnaire Assistance (TQA) Operation – 2016 Census Test"

Reason for Delay: Due to notice of visit cards being distributed to households during enumeration, it has been determined that Internet Self-Response and TQA systems will remain in operation through July 8, 2016, to accommodate late responders.

Activity 16CST: "Conduct Coverage Reinterview – 2016 Census Test"

Reason for Delay: Because of a delay in data transmission and testing, Coverage Reinterview started on May 2, 2016, and finished, on time, on June 26, 2016.

Activity 16CST: "Conduct NRFU Interviews – 2016 Census Test"

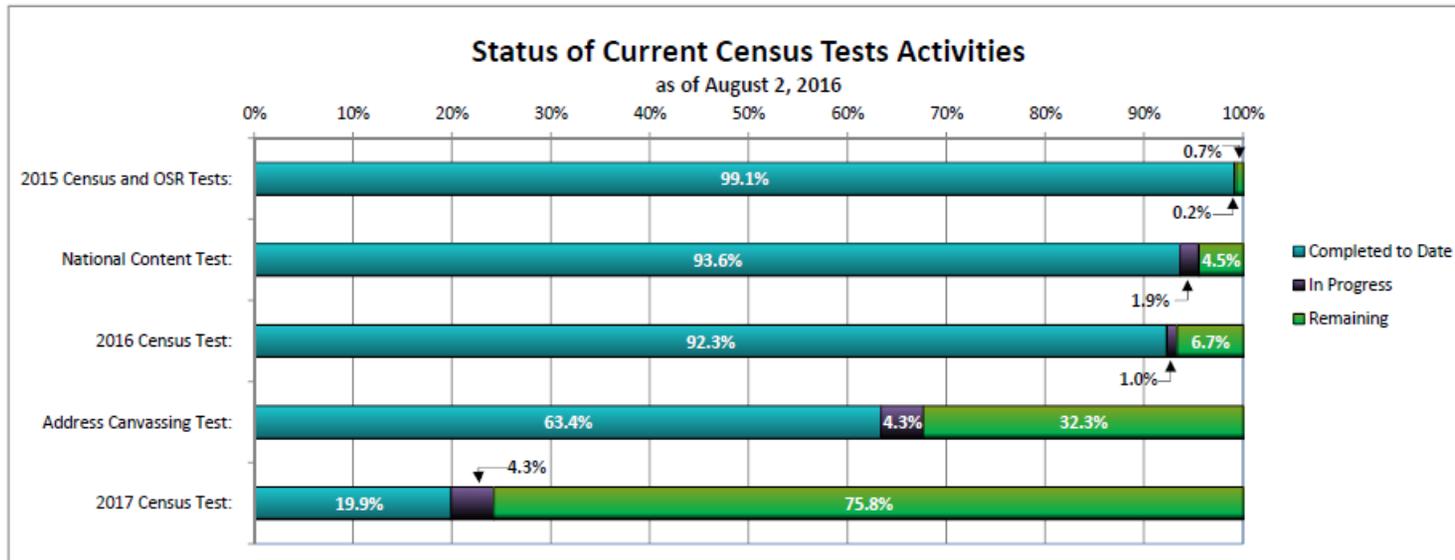
Reason for Delay: NRFU Interview/Reinterview was extended to June 30, 2016 to allow enumerators enough time to handle the assigned cases. NRFU finished on June 30, 2016.

Activity 16ACT-A: "OMB Clearance – Approval Received – AdCan Test"

Reason for Delay: The scope of the clearance package was expanded to include the Address Canvassing portion of the 2017 Puerto Rico Census Test, which added additional time to the Census Bureau's internal clearance process. This delayed delivery of the clearance package to OMB. In order to mitigate any impact on the test schedule, staff have developed a strategy to ensure that printed materials are updated, printed, and shipped to the regional census centers involved in the Test within eight calendar days of receiving the clearance. No impact foreseen at this time on the overall finish date for the Test.

Program Schedule Metrics Research & Testing

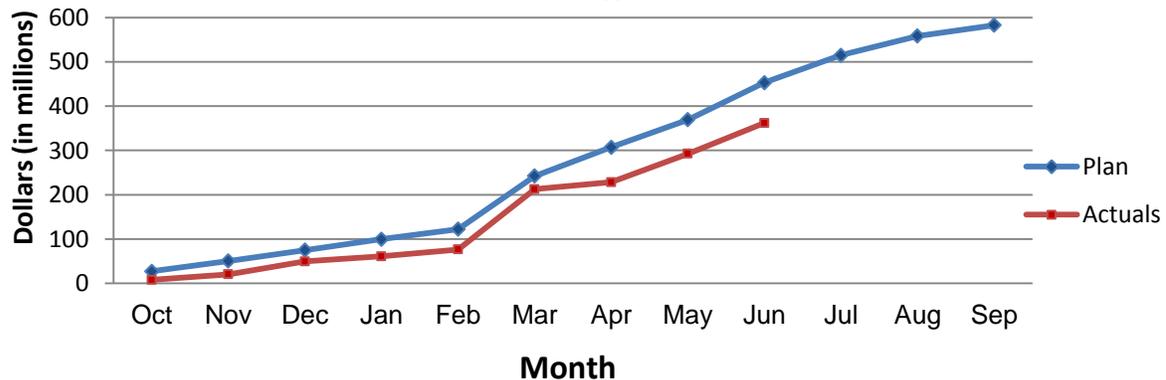
Status of Census Tests through July 2016



	Total Activities	Completed to Date	In Progress	Remaining
2015 Census and OSR Tests:	2989	2962	7	20
National Content Test:	1181	1106	22	53
2016 Census Test:	1905	1758	20	127
Address Canvassing Test:	631	400	27	204
2017 Census Test:	2403	479	104	1820

Program Budget / Costs as of June 30, 2016

FY 2016 Cumulative Budget Actuals vs. Plan



	June Cum Plan	June Cum Actuals	June Cum Variance	% Variance
GRAND TOTAL	\$453,011,332	\$361,820,676	\$91,190,656	20.1%
<p>At the end of June, the \$91.2M variance in the 2020 Census program consists of \$24.4M in salaries and \$66.8M in other objects. The salary variance is due to delays in filling vacancies at HQ/RCCs, inaccurate initial annual spending plans. We are working with HRD to get these positions filled by the end of the year. The other objects variance is due to a delay in obligations. We still plan to award these contracts, and don't believe the delays will significantly affect our ability to stay on schedule and complete planned activities.</p>				
R1 Program Management	\$103,158,375	\$70,219,859	\$32,938,516	31.9%
<p>The variance in this area consists of \$0.9M lower than expected costs in salaries and \$32.0M lower than expected costs in other objects. The salary variance is due to delays in filling vacancies. We are working with HR to get the positions filled by the end of the year. In anticipation of a decision in late FY 2016 to define the platform for developing enterprise and 2020 Census IT systems, we set aside funding for the technical integration of these IT systems. The technical integration support is critical to the systems development, integration and other time-sensitive preparations for the 2018 End-to-End Census Test. There is no impact to the program as we expect this obligation to occur in the fourth quarter.</p>				
R2 Census/Survey Engineering	\$27,761,413	\$26,909,867	\$851,546	3.1%
<p>The variance in this area consists of \$0.8M lower than expected costs in salaries. The salary variance is due to delays in filling vacancies both at HQs and the Regional Offices.</p>				

Program Budget / Costs as of June 30, 2016

R3 Frame	\$63,886,399	\$60,190,854	\$3,695,545	5.8%
<p>The variance in this area consists of \$4.9M lower than expected costs in salaries and \$1.2M higher than expected costs in other objects. The majority of the salary variance is due to delays in filling vacancies and delays in the CHEC process. The majority of the other objects variance is due to the automated training contract for the Address Canvassing Operations being committed earlier than planned.</p>				
R4 Response Data	\$31,245,598	\$37,710,463	(\$6,464,865)	(20.7%)
<p>The variance in this area consists of \$2.4M lower than expected costs in salaries and \$8.9M higher than expected costs in other objects. The salary variance is due to delays in filling vacancies. We are working with HR to get these positions filled by the end of the year. The other objects variance is due to the Census Questionnaire Assistance contract being fully obligated in June and the funds were incorrectly spread across June - Sept. There is no impact to the program as the contract funds are available in the plan.</p>				
R5 Published Data	\$34,508,469	\$26,761,968	\$7,746,501	22.4%
<p>The variance in this area consists of \$1.2M lower than expected costs in salaries and \$6.5M higher than expected costs in other objects. The salary variance is due to delays in filling vacancies. We are working with HR to get these positions filled by the end of the year. The other objects variance is due to delays in obligating a support contract for CEDSCI and the purchase of hardware in support of CEDSCI. The purchase request has been submitted to Acquisitions. There is no impact to the program as the funds will be obligated in the fourth quarter.</p>				
R6 Test and Evaluation	\$93,206,686	\$72,946,774	\$20,259,912	21.7%
<p>The variance in this area consists of \$9.3M lower than expected costs in salaries and \$11.0M lower than expected costs in other objects. The salary variance is due to delays in filling vacancies. First, there were delays in hiring the RCC staff because of the delays in the CHEC process. Second, due to the uncertainty of the work, NPC spread their funds evenly across all 12 months in their original spending plan. All funds are needed as the workload is expected to ramp up in the fourth quarter. Last, there was lower scope of work than originally anticipated in the Test Planning, Management and Support projects. The majority of the other objects variance is due to delays in obligating the following contracts/other objects: 1) support contracts for the 2016 Census Test, 2) a contract for Mobile Device as a Service (dDAAS) and licenses for the Field Activities, and 3) a contract for the matching system for Census Coverage Management (CCM). There is no impact to the program as the funds will be obligated in the fourth quarter.</p>				

Program Budget / Costs as of June 30, 2016

R7 Infrastructure	\$99,244,392	\$67,080,891	\$32,163,501	32.4%
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The variance in this area consists of \$5.0M lower than expected costs in salaries and \$27.2M lower than expected costs in other objects. The salary variance is due to delays in filling vacancies and lower scope of work than anticipated. First, there were delays in hiring the RCC staff because of the delays in the CHEC process. Second, due to the uncertainty of the work, NPC spread their funds evenly across all 12 months in their spending plan. All funds are needed as the workload is expected to ramp up in the third and fourth quarters. The other objects variance is due to delays in obligating the following contracts/other objects: 1) funds for the 2010 Census fingerprinting lawsuit settlement, 2) the purchase of administrative records and commercial third party data for Administrative Records Data 3) consulting services for cloud environment support, 4) SE&I contract support for the HQ IT infrastructure, and 5) a contract for both security assessment and security engineering support. The funds for the 2010 Census fingerprinting lawsuit are not needed until next year. There is no impact to the program as the contract funds will be obligated in the fourth quarter.

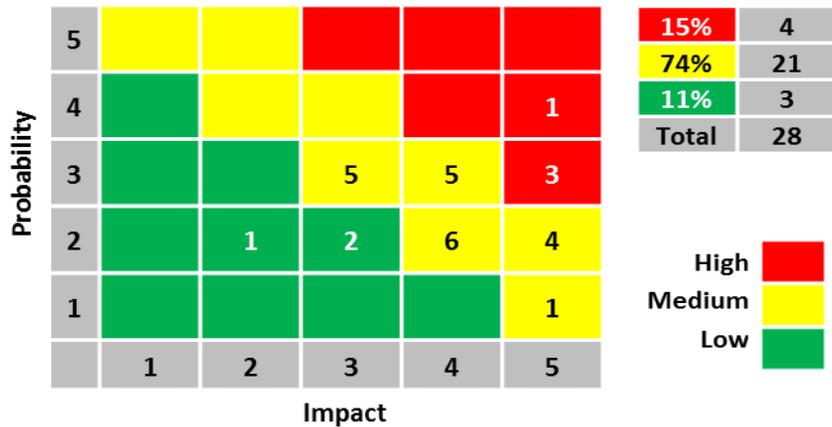
Note: Explanations are required for frameworks with variances that are equal to or greater than +/- 10% OR greater than +/- \$500k.

Program-Level Life Cycle Risks

	Risk ID	Name	Level	Prior Level	Trend	Prob	Imp
1	LC-040	Funding Requests Not Realized	H	H	↔	4	5
2	LC-033	Administrative Records and Third-Party Data - External Factors	H	H	↔	3	5
3	LC-039	Public Perception of Ability to Safeguard Response Data	H	H	↔	3	5
4	LC-041	Cyber Security Incidents	H	H	↔	3	5
5	LC-010	Enterprise IT Solutions	M	M	↔	3	4
6	LC-031	Delay of Quality Control Testing	M	M	↔	3	4
7	LC-036	Operations and Systems Integration	M	M	↔	3	4
8	LC-038	Data Quality	M	M	↔	3	4
9	LC-042	Late Operational Design Changes	M	M	↔	3	4
10	LC-011	Acquisition Lead Time	M	M	↔	3	3
11	LC-037	Human Capital Management	M	M	↔	3	3
12	LC-043	Cloud Implementation	M	M	↔	3	3
13	LC-044	Systems Scalability	M	M	↔	3	3
14	LC-045	Major Disasters	M	M	NEW	3	3
15	LC-003	Meeting Cost Goal	M	M	↔	2	5
16	LC-028	Internet Data Collection	M	M	↔	2	5
17	LC-032	Reengineering Address Canvassing Operation	M	M	↔	2	5
18	LC-034	Administrative Records and Third-Party Data - Access and Constraints	M	M	↔	2	5
19	LC-001	Cost Model Projections	M	M	↔	2	4
20	LC-012	External Support	M	M	↔	2	4
21	LC-021	Schedule Impacts	M	M	↑	2	4
22	LC-022	Technological Innovations Surfacing After Design Is Finalized	M	M	↔	2	4
23	LC-027	IT Security Controls	M	M	↔	2	4
24	LC-029	Contract Management	M	M	↔	2	4
25	LC-004	ACS Funding and Integration	M	M	↔	1	5
26	LC-016	Policy Impacts	L	L	↔	2	3
27	LC-023	Inconclusive Data	L	L	↔	2	3
28	LC-018	Trade Agreement Act Compliance	L	L	↔	2	2

Risk Trend
↑
Improving
↔
No Change
↓
Worsening

Program-Level Life Cycle Risks



LC-021_Schedule Impacts: Probability rating was lowered from 3 to 2 because GAO best practices have been in use for some time in the creation of the 2020 Census Program schedule. Impact rating was raised from 3 to 4 because if the program schedule was not built using GAO best practices, then there may be a major slip with key milestones and the critical path may be impacted.

LC-045_Major Disasters: This program risk was added due to concerns regarding major disasters (e.g., earthquake, flood, tornado, epidemic, and terrorist attack) that can affect the populations of a geographic area (e.g., town, county, state) and prevent people from self-responding to the 2020 Census or being contacted by field staff. Major disasters can disrupt operations at key facilities (e.g., headquarters, National Processing Center, regional census centers, and area census offices) and supporting infrastructure (e.g., Post Offices and telecommunications). Where and when major disasters will occur cannot be known ahead of time; however, the contingency planning for continuity of operations to minimize the impact to the 2020 Census Program can be planned well ahead of any such events.

Appendix

Appendix A

Acronyms

ACS	American Community Survey
AMO	Area Manager of Operations
AMSD	Administrative and Management Systems Division
AOSC	Area Operations Support Center
ARM.....	Administrative Records Modeling
ASD.....	Application Services Division
ATAC.....	Automated Tracking and Control
ATP	Architecture Transition Plan
AVI.....	[Telephone: robocall]
AVT	Address Validation Test
BYOD	Bring Your Own Device [The use of employee-owned equipment/services.]
CASS.....	Coding Accuracy Support System
<i>CATI</i>	<i>Computer Assisted Telephone Interviewing</i>
CCs.....	Contact Centers
CDR.....	Critical Design Review
CEDCaP	Census Enterprise Data Collection and Processing
CES.....	Center for Economic Studies
CMS	Center for Medicare and Medicaid Studies
COMPASS	Census Operations Mobile Platform for Adaptive Services and Solutions
CQA	Census Questionnaire Assistance
<i>CR</i>	<i>Continuing Resolution</i>
CRM.....	<i>Customer Relationship Management</i>
CSAC	Census Bureau's Scientific Advisory Committee
CSM	Center for Survey Measurement
DAPPS	Decennial Applicant, Personnel, and Payroll System
DCBO	Decennial Communications and Budget Office
DCMD	Decennial Census Management Division
dDaaS	decennial Device as a Service
DDSSO	Decennial Directorate Support Services Office
DITD.....	Decennial Information Technology Division
DPMO	Decennial Program Management Office
DROM.....	Decennial Research Objectives and Methods Group
DSSD	Decennial Statistical Studies Division
ECaSE.....	Enterprise Census and Survey Enabling
EFU	Evaluation Followup
ENUM	Enumerators in the Field
ENUMPREP	Enumeration Preparation
ES.....	English/Spanish, otherwise known as Bilingual
FMO.....	Field Manager of Operations
<i>FY.....</i>	<i>Fiscal Year</i>
<i>FSCPE.....</i>	<i>Federal-State Cooperative for Population Estimates</i>
GEO	Geography Division
<i>GAO</i>	<i>Government Accountability Office</i>
<i>GPO</i>	<i>Government Publishing Office</i>
GRF-C.....	Geographic Reference File-Codes
GRF-N	Geographic Reference File-Names
GUPS.....	Geographic Update Partnership Software
HU	Housing Unit
ICADE.....	Integrated Computer Assisted Data Entry System
ICC	Integrated Communications Contract
IIP	Integration and Implementation Plan
IMS	Integrated Master Schedule
IPT	Integrated Project Team

IRS *Internal Revenue Service*
IT *Information Technology*
JASON [An independent scientific advisory group that provides consulting services to the federal government on matters of science and technology.]
LCO Local Census Office
LMS Learning Management System
LSO Local Supervisor of Operations
LUCA Local Update of Census Addresses
MAF Master Address File
MAFUF Master Address File Update File
MCM Mobile Case Management
MDM Mobile Device Management
MES Mission Enabling Services
MMVT MAF Model Validation Test
MOCS Multimode Operational Control System
MOJO [Term for Census Operational Control System for Reengineered Field Operations]
NAC *National Advisory Committee*
NAS *National Academy of Sciences*
NCT National Content Test
“Notify Me” [Census Bureau’s Pre-registration Tool]
NPC National Processing Center
NRFU Nonresponse Followup
OCS Operational Control System
OIG *Office of the Inspector General*
OMB *Office of Management and Budget*
OSR Optimizing Self-Response
PM *Program Management*
PMR Program Management Review
Primus [Census Bureau’s Internet Data Collection System]
PVSed [To make data private and secured]
QC *Quality Control*
R&T Research and Testing
RCC Regional Census Center
RFI *Request for Information*
RFP *Request for Proposal*
RO Regional Office
ROCKIT Reorganized Census with Integrated Technology [Reengineered Field Operations]
RRB Risk Review Board
RTNP Real-Time Non-ID Processing
RTOCS Research and Testing Operational Control System
SDLC Systems Development Life-cycle
SE *System Engineering*
SIMEX Human in the Loop Simulation
SLC Survey Life Cycle
TEA Type of Enumeration Area
TIGER Topologically Integrated Geographic Encoding and Referencing
TMO Technologies Management Office
TQA Telephone Questionnaire Assistance
UAA *Undeliverable As Addressed*
UAT *User Acceptance Test*
UCRM Universe Control and Response Management
UECT Universal Enumeration and Control Table
UHE Usual Home Elsewhere
USPS *United States Postal Service*
UT Users Test
UTS Unified Tracking System

WLM Workload Management

**Note: Non-italicized acronyms are those that are used mainly at US Census Bureau
whereas italicized acronyms are widely employed elsewhere.**