



2020 Census

May 2016

Monthly Status Report

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

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Key Program Updates

1. On May 25, 2016, the 2020 Census Program announced the decision to use a Commercial Off-the-Shelf (COTS) platform as part of Census Enterprise Data Collection and Processing Program (CEDCaP) for the data collection component of the Business Solution Architecture. The 2020 Census Business Solution Architecture will consist of a combination of the CEDCaP and non-CEDCaP systems, to support the overall 2020 Census program.
2. In support of the 2016 Census Test:
 - a. As of the end of May, there were 256 partners in Los Angeles County, California, and 257 partners in Harris County, Texas. These partners committed to 557 community events and efforts to increase response in Los Angeles County, California, and 363 community events and efforts to increase response in Harris County, Texas.
 - b. Nonresponse Followup began on May 12, 2016.
3. The Decennial Directorate and the SE&I team completed the Critical Business Proposal Review, the Project Baseline Review, and the Software Requirements Review for the 2017 Census Test and the 2017 Puerto Rico Census Test. The team also completed the Software Requirements Review for the 2018 End-to-End Census Test.
4. In support of the 2020 Census Geographic Programs operation, the Basic Collection Unit delineation was completed on May 19, 2016, which includes all of the United States, Puerto Rico, and the Island Areas.
5. In support of the Group Quarters operation, the small-scale 2016 Service Based Enumeration Census Test was conducted at 12 preselected service-based locations in Washington, D.C., and Baltimore, Maryland, on May 25-26, 2016.
6. The Redistricting Data Program (RDP) completed the 2020 Census RDP kick-off meetings in Cheyenne, Wyoming; Bismarck, North Dakota; and Springfield, Illinois.
7. In support of the RDP operation, congressional and state legislative districts have all been verified and all submitted verification changes have been processed for the 115th Congress and the 2016 State Legislative Districts. The update cycle for congressional and state legislative districts is complete.

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 pre-registration 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.

Milestone Dates

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 3 of Fiscal Year 2016 (on a flow basis)*

Summary of Activities (last 30 days)

The only remaining activity for this Test is to release the analysis reports.

The following 2014 Census Test analysis reports are in executive-level clearance:

- a. NRFU Panel Comparison and Instrument Analysis
- b. Optimizing Self-Response and Content Research
- c. Analysis of Non-ID Processing Results

Look Ahead (next 60 days)

1. Complete final executive-level clearance and issue reports via the 2020 Census Memorandum Series.

* 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 pre-registration 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).

Milestone Dates

Publish Presubmission Federal Register Notice– August 27, 2014 (completed)
Deliver OMB (Paperwork Reduction Act) Clearance Package – Submit by December 2, 2014 (completed late on December 23)
Receive OMB (Paperwork Reduction Act) Approval – February 17, 2015 (completed)
Send “Notify Me” Post Card – 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 31¹ (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 3 of Fiscal Year 2016 (on a flow basis)

Summary of Activities (last 30 days)

The only remaining activity for this Test is to finalize and release the analysis reports.

Look Ahead (next 60 days)

1. Complete analysis reports.
2. Begin final executive-level clearance and issue reports via the 2020 Census Memorandum Series.

¹ Data collection for the analysis of real time Non-ID Processing and the use of digital, targeted advertising methods to increase awareness and engagement ended May 31.

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 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.

Milestone Dates

Publish Presubmission Federal Register Notice – September 2, 2014 (completed)
Deliver OMB (Paperwork Reduction Act) Clearance Package – Submit by 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 Bring Your Own Device (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

Summary of Activities (last 30 days)

The only remaining activity for this Test is to finalize and release the analysis reports.

The following analysis reports are in executive-level clearance:

- a. Analysis of Administrative Records Usage
- b. Nonresponse Evaluation Followup Analysis Report

Look Ahead (next 60 days)

1. Complete analysis reports.
2. Begin final executive-level clearance and issue reports via the 2020 Census Memorandum Series.

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.

Milestone Dates

Publish Presubmission Federal Register Notice – December 2, 2014 (completed)
Deliver OMB (Paperwork Reduction Act) Clearance Package – Submit to OMB by April 15, 2015 (completed – posted in Federal Register on May 22)
Receive OMB (Paperwork Reduction Act) Approval – Receive OMB approval by 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)¹
Complete Research and Analysis Reports – December 30, 2016

Summary of Activities (last 30 days)

Non-ID Analysis team members continued reviewing matching and geocoding results from automated and manual processing from the Test in order to prepare a summary report. The review cycle for the report will occur over the summer in preparation for a final version in September 2016.

¹ Reinterview operations were extended to increase the number of completed cases for the purpose of statistical analyses.

2015 National Content Test

Summary of Activities (last 30 days) cont'd

Staff presented a summary of the 2015 NCT race and ethnicity research and analysis plan at the American Association of Public Opinion Research Annual Conference on May 13, 2016, in Austin, Texas.

Look Ahead (next 60 days)

1. Finalize study plan for race and ethnicity.
2. Continue data analyses on all reports.
3. Send draft of analysis reports on relationship and optimizing self-response to internal reviewers.
4. Deliver initial draft analysis report on Non-ID Processing results from the Test to internal reviewers.

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.

Milestone Dates

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)

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 (previously scheduled to end in July 2016)*

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)

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.

* The milestone date for "Conduct 2016 Census Test" has been updated to reflect only the time period for data collection operations.

2016 Census Test

Milestone Dates cont'd

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

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

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

Summary of Activities (last 30 Days)

Integrated Partnership and Communications

As of the end of May 2016, there were 256 partners in Los Angeles County, California, and 257 partners in Harris County, Texas. These partners committed to 557 community events and efforts to increase response in Los Angeles County, California, and 363 community events and efforts to increase response in Harris County, Texas. Partnership staff provided assistance to respondents, at a variety of locations, for example, community centers, with completing the online questionnaire and created flyers to promote questionnaire assistance. The Deputy Director visited 4th graders at Dalhia Heights Elementary School in Los Angeles on May 16, 2016, to thank them for participating in the 2016 Census Test and to talk to them about the Census Bureau.

Non-ID Processing

Non-ID Processing has performed automated address matching and census block geocoding for all responses to date which lack a Census ID. As of May 31, 2016, 6,917 Non-ID responses had been received, about 3.4 percent of all self-response for the Test. In addition, interactive matching and geocoding is complete for all Non-ID responses received so far which were not successfully matched and/or geocoded during automated processing.

Coverage Reinterview

The Coverage Reinterview operation began on May 2, 2016, and is on schedule. The Coverage Reinterview involves recontacting respondents via the telephone to collect information to inform an evaluation of the coverage questions. Coverage questions are questions asked of respondents in an attempt to help guide respondents to remember to include people who are often forgotten, and to not include people who should be counted elsewhere. As of May 31, 2016, a total of 8,784 out of a workload of 21,718 cases have been completed. Additional workload will be selected in early June based on the Nonresponse Followup cases.

Nonresponse Followup (NRFU)

Staff concluded integration and user acceptance testing between all automated systems that support the NRFU operation. All systems were live, on schedule, for the start of the operation on May 12, 2016.

NRFU enumerators began the field data collection operation on May 12, 2016. As of May 31, 2016, 75,596 cases (or 56.7 percent of the NRFU workload of 133,343 cases) had been completed in the field, received a subsequent self-response to the Test, or resolved in some other fashion. To ensure adequate time for field enumeration, the end date of NRFU field operations was extended one week to June 30, 2016 (from June 23, 2016).

2016 Census Test

Summary of Activities (last 30 Days) cont'd

Nonresponse Followup (NRFU) cont'd

Classroom training for enumerators in support of the NRFU operation was completed. As of May 21, 2016, 413 enumerators completed training in the Los Angeles County, California site, and 433 enumerators completed training in the Harris County, Texas site. The number of enumerators trained fell short of our expectations, but still exceeded the number of enumerators that had been identified as the core number needed to complete the operation. See the table below for details:

	Los Angeles County	Harris County
# Enumerators who completed training	413	433
# Enumerators expected to train	523	523
Actual % of expected	79%	83%
# Core enumerators needed to complete operation	370	370
Actual % of core	112%	117%

Staff performed administrative records review on the approximately 120,000 NRFU eligible cases, and identified approximately 9.7 percent as occupied, 3.0 percent as vacant, and 1.3 percent as deletes. Cases identified as vacant or delete are immediately removed from the NRFU workload, while those identified as occupied are removed from the NRFU workload only after staff are unable to contact the household after an in person attempt is made in the field.

Staff performed the first of a series of administrative records removal of 4,120 addresses on May 16, 2016. Staff will mail a postcard to these addressees to provide a final opportunity of self-responding to the Test.

NRFU Reinterview cases were selected on May 13, 2016, on schedule. Reinterview cases are intended to be selected every weekday of the NRFU operation, going forward. The NRFU Reinterview operation is intended to detect and deter falsification of data or persistent errors by field enumerators.

Decennial Service Center (DSC)

The DSC for the 2016 Census Test is operational, providing customer support to field staff seven days per week, from 9 a.m. to 2 a.m. The DSC started supporting the Denver and Los Angeles Regional Census Centers (RCCs) in October 2015 and the Area Operations Support Centers in January 2016. The DSC was also responsible for supporting the LSO and enumerator online training, classroom training, and the NRFU operation. Since October, the DSC has handled over 3,000 calls in support of the Test. During the month of May, the top calls included Learning Management System (LMS) access support, COMPASS functionality, and LMS module support.

2016 Census Test

Summary of Activities (last 30 Days) cont'd

Field Infrastructure

In support of Field Infrastructure operations for the Test, Local Supervisors of Operations (LSOs) and enumerators were successfully hired and trained. Replacement classroom and online training was conducted for LSOs and enumerators. In all, 24 LSOs completed classroom and online training in the Los Angeles County, California site, and 16 LSOs completed classroom and online training in the Harris County, Texas site. Four hundred thirteen enumerators completed classroom and online training in the Los Angeles County, California site, and 433 enumerators completed classroom and online training in the Harris County, Texas site. Custom automated training progress reports were delivered to track LSO and enumerator completions of online training.

Decennial Logistics Management

The Decennial Logistics Management team and staff at the National Processing Center (NPC) are utilizing the Integrated Logistics Management System, provisional Authorization to Operate, to link activities for planning and creation to final receipt of materials at the AOSCs in the test sites. The project delivered NRFU training kits and expendable supplies to both test sites on schedule in preparation for subsequent management and operational trainings.

IT Infrastructure

The Field Office IT Deployment and Mobile teams continued to support operations in the Los Angeles, California and Houston, Texas offices.

Look Ahead (next 60 Days)

Self-Response

1. Continue self-response data collection.
2. Perform initial review of Non-ID analysis datasets generated from 2016 Census Test self-response.

Paper Data Capture

1. Continue paper data capture operations at the NPC using the iCADE system. Paper data capture operations are scheduled to end on July 1, 2016.

Integrated Partnership and Communications

1. Closeout IPC activities and conduct lessons learned.

Non-ID Processing

1. Monitor and track progress of Non-ID responses to the Test.
2. Continue monitoring automated and manual Non-ID Processing results and perform quality assurance checks for the Test through the end of data collection.
3. Monitor the results of the recollection of response data from a sample of Non-ID responders to the Test. 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.
4. Conduct preliminary analysis on Test results from both Non-ID Processing (automated and clerical matching and geocoding) and Non-ID Response Validation.

2016 Census Test

Look Ahead (next 60 Days) cont'd

Nonresponse Followup (NRFU)

1. Conduct a second round of administrative records review based on new data received from the Internal Revenue Service.
2. Complete NRFU field operations for the 2016 Census Test on June 30, 2016.
3. Conduct debriefing of field staff June 20-24, 2016. These debriefings will help in our qualitative assessment of NRFU field operations.
4. Begin data analysis in support of the 2016 Census Test NRFU Operational Assessment Report.

Coverage Reinterview

1. Complete the telephone reinterviews to evaluate the coverage questions.

Field Infrastructure

1. Release all temporary 2016 Census Test employees.

Decennial Logistics Management

1. Continue to deliver NRFU materials to the two test sites as needed.

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 encompass 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 to one another.

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, non city-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 Census Bureau's Regional Offices.

Milestone Dates

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

Deliver OMB (Paperwork Reduction Act) Clearance Package – June 21, 2016*

Conduct In-Office Address Canvassing Data Collection – July 18, 2016

Receive OMB (Paperwork Reduction Act) Approval – August 22, 2016 (previously scheduled for August 10, 2016)*

Begin Field Management Training – August 29, 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 will delay 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.

Address Canvassing Test

Summary of Activities (last 30 Days)

Field Infrastructure

In support of Field Infrastructure operations for the Test, staff recruited and tested a total of 428 field representative applicants in Buncombe County, North Carolina, which exceeds the testing goal of 414 field representatives, and 441 field representative applicants in St. Louis, Missouri, which did not meet the testing goal of 548 field representatives. Testing activities will continue into June and we expect to meet our testing goal by then. Additionally, staff started development of online and classroom training content, build-out activities for the Regional Census Centers (RCCs) in the Regional Offices and selecting regional technicians.

Look Ahead (next 60 Days)

Program Management

1. Finalize the Address Canvassing Test Plan, which describes the design and management of the Address Canvassing Test.
2. Finalize the Address Canvassing Study Plan, which details the questions to be answered by the Address Canvassing Test as well as the methodology and data requirements necessary to answer those questions.
3. Release the OMB (Paperwork Reduction Act) Clearance Package for the Address Canvassing Test to the Department of Commerce.

Geographic Programs

1. Deliver MAF Extract, Geographic Reference File-Codes, and spatial data for the Test by July 15, 2016.

Field Infrastructure

1. Complete build-out of the RCCs within the Regional Offices.
2. Begin hiring Census field supervisors and field representatives.
3. Begin configuration of the Learning Management System in support of the test.
4. Complete background investigations and hiring for regional technicians.
5. Train RCC Staff.

Decennial Logistics Management

1. Receive kit specifications for test materials.

Address Canvassing Operation

1. Receive final user interface designs for all systems (Listing and Mapping Application, Mobile Case Management, and MOJO).
2. Conduct testing for the training release of all systems.

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. It will also refine methods for enumerating areas with unique location characteristics, where we cannot mail to a street address. In addition to tribal areas, the Test will oversample areas with relatively high populations of American Indians and Alaska Natives as a mechanism for testing potential tribal enrollment questions nationwide.

The 2017 Census Test will also allow the Census Bureau to test the integration of systems for the Update Enumerate operation. Update Enumerate 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 very sparse populations.

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 housing units, respectively, within the areas will be asked to participate.

Milestone Dates

Publish Presubmission Federal Register Notice – July 26, 2016

Begin Hiring Partnership Staff – August 19, 2016

Open Regional Census Centers (RCCs) – September 1, 2016

Begin Recruiting Outreach Assistants (OAs) and Office Staff – September 1, 2016

Deliver OMB (Paperwork Reduction Act) Clearance Package – October 28, 2016

Begin Recruiting Field Staff – December 1, 2016

Receive OMB (Paperwork Reduction Act) Approval – December 30, 2016

Begin Census Questionnaire Assistance (CQA) – March 20, 2017 (previously scheduled for March 15, 2017)*

Begin Self-Response, Including Non-ID Processing – March 20, 2017

Census Day – April 1, 2017

Conduct Update Enumerate (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

The Business Process Models and functional requirements for the Test were submitted for baselining on May 9, 2016.

Systems Engineering and Integration

Staff conducted the Systems Requirements Review for the Test.

* The milestone date for “Begin CQA” was changed to align with the start of self-response.

2017 Census Test

Summary of Activities (last 30 Days) cont'd

Integrated Partnership and Communications (IPC)

The 2017 Census Test IPC Team developed and finalized the Integrated Communications Plan. The Plan was baselined on May 23, 2016. Additionally, the team has developed and reviewed recruitment materials.

Internet Self-Response (ISR)

Staff continued working with stakeholders and developers to begin agile development of the Internet data collection system for the Test. Additionally, the ISR Integrated Project Team (IPT) continued working with stakeholders to finalize the mailing strategy and timing for the Test.

Non-ID Processing

Staff continued assembling detailed requirements for Non-ID Processing software/systems solution providers for the 2017 Tests in preparation for an early June baseline.

Update Enumerate (UE)

Staff continue to review and revise the UE Business Process Model to define the operational flow and capability requirements for the Test.

The UE Integrated Project Team (IPT) began development of user stories for the Enumeration instrument.

Content and Forms Design

Staff created drafts of the paper questionnaires, in both English and Spanish, for review by subject matter experts. Questionnaire content includes: population count, undercount, tenure, phone number, name, sex, age, date of birth, race and Hispanic origin, tribal enrollment, and overcount.

Response Processing

The Response Processing IPT received specifications for 2017 Census Test from subject matter experts and provided them to team members for review.

Field Infrastructure

In support of Field Infrastructure operations for the site Test, staff worked with the tribes to identify free space available for use during testing operations, tested the Census Automated Recruiting and Assessment Tool for online job applications, and developed benefits coding in the Decennial Applicant, Personnel, and Payroll System (DAPPS). Additionally, staff developed a draft Interagency Agreement (IAA) between the Census Bureau and United States Postal Office (USPS) to handle the fingerprinting of temporary staff who will work on this Test.

Look Ahead (next 60 Days)

Program Management

1. Finalize the 2017 Census Test Plan.

2017 Census Test

Look Ahead (next 60 Days) cont'd

Geographic Programs

1. Deliver Geographic Reference File-Codes files for the Test by August 1, 2016.

Integrated Partnership and Communications (IPC)

1. Baseline 2017 Census Test IPC Plan.
2. Design, approve, and send recruitment materials for printing.
3. Initiate development of promotional messaging, materials, and products.

Field Infrastructure

1. Finalize the IAA with the USPS for fingerprinting temporary staff who will work on the Test.

Internet Self-Response

1. Finalize the mailing strategy for the Test.
2. Begin development work on the Internet data collection system with developers and stakeholders.

Non-ID Processing

1. Coordinate with Internet Self-Response team for delivering requirements for address collection in the Internet data collection system.
2. Deliver detailed requirements to software/system solution providers for automated and clerical Non-ID Processing on June 8, 2016.

Update Enumerate

1. Document requirements for capturing added units and changing address information in the listing instrument and passing that information to the enumeration instrument to be used for UE production and UE Followup for non-responding units.

Content and Forms Design

1. Finalize questionnaires for cognitive testing of the tribal enrollment questions.

2017 Puerto Rico Census Test

Description

The 2017 Puerto Rico Census Test is a test conducted by the Census Bureau in preparation for the 2020 Census of Puerto Rico. The Census Bureau will test new technologies, operations, and procedures to identify the most effective operations for counting residents in Puerto Rico. The Test will take place in three municipios within the San Juan metro area. Approximately 123,000 housing units within Carolina, Loíza, and Trujillo Alto will participate.

Milestone Dates

Publish Presubmission Federal Register Notice – May 31, 2016
Begin Partnership Staff Hiring – July, 19, 2016
Open New York Regional Census Center (RCC) – September 1, 2016
Deliver OMB (Paperwork Reduction Act) Clearance Package – September 2, 2016
Conduct In-Office Address Canvassing – September 1-October 15, 2016
Begin Field Recruitment Support – October 3, 2016
Receive OMB (Paperwork Reduction Act) Approval – November 7, 2016
Open Puerto Rico Area Census Office (ACO) – January 2, 2017
Begin Recruiting Field Staff – January 2, 2017
Begin In-Field Address Canvassing – February 21, 2017
Begin Census Questionnaire Assistance (CQA) – March 20, 2017 (previously scheduled for March 15, 2017)*
Begin Self-Response, Including Non-ID Processing – March 20, 2017 (previously scheduled for March 22, 2017)*
Begin In-Field Address Canvassing Relisting – March 20, 2017 (previously scheduled for April 3, 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 13, 2017
Begin UE Followup – May 15, 2017

Summary of Activities (last 30 Days)

Program Management

The Business Process Models and functional requirements for the Test were submitted for baselining on May 9, 2016.

Content and Forms Design

Staff created a draft of the bilingual (English and Spanish) paper questionnaire.

* The self-response and CQA operations for the 2017 Puerto Rico Census Test will begin concurrently with the self-response and CQA operations for the 2017 Census Test. Therefore, the milestone dates for these operations have been updated appropriately.

** In-Field Relisting will start as soon as listers have completed production work in their area. Therefore, staff anticipate that some listers will receive relisting assignments prior to the anticipated end of the production operation and the relisting start dates have been adjusted to reflect that.

2017 Puerto Rico Census Test

Summary of Activities (last 30 Days) cont'd

Integrated Partnership and Communications (IPC)

The 2017 Puerto Rico Census Test IPC team developed and finalized the Integrated Communications Plan. The Plan was baselined on May 23, 2016. Additionally, the team developed and reviewed recruitment materials. The materials have been submitted for Spanish translation.

Other IPC highlights for the month of May include: staff updated the official Census Bureau Puerto Rico logo; staff developed the social media strategy for the 2017 Puerto Rico Census Test; staff initiated Mobile Van Tour scope, planning, and budget documents; and staff planned an event at the University of the Sacred Heart with Data Dissemination Staff.

Internet Self-Response (ISR)

Staff continued working with stakeholders and developers to begin agile development of the Internet data collection system for the Test. Additionally, the ISR Integrated Project Team (IPT) continues working with stakeholders to finalize the mailing strategy and timing for the Test.

Non-ID Processing

Staff continued assembling detailed requirements for Non-ID Processing software/systems solution providers for the 2017 Tests in preparation for an early June baseline. This included collaboration with staff who coordinate Census work for Puerto Rico and the Island Areas.

Update Enumerate (UE)

Staff continued to review and revise the UE Business Process Model to define the operational flow and capability requirements for the 2017 Census Tests.

The UE Integrated Project Team (IPT) began development of user stories for the Enumeration instrument.

Nonresponse Followup (NRFU)

Staff developed initial documentation of contact strategies and business rules to be used for enumeration efforts (both NRFU and UE) in the Test.

Staff continue to develop the business rules and interview path for field interviews, including a path for 'field verification' cases, and a new collection of address for all proxy enumeration attempts.

Response Processing

The Response Processing IPT received specifications for 2017 Puerto Rico Census Test from subject matter experts and provided them to team members for review.

2017 Puerto Rico Census Test

Look Ahead (next 60 Days)

Program Management

1. Finalize the 2017 Puerto Rico Census Test Plan.
2. Publish the OMB Presubmission to the Federal Register.

Systems Engineering and Integration

1. Conduct the Systems Requirements Review (SRR) for the Test. The Business Process Models and Requirements for the Test will be baselined after the SRR.

Content and Forms Design

1. Finalize draft paper questionnaires.

Geographic Programs

1. Deliver Geographic Reference File-Codes files for the Test by August 1, 2016.

Integrated Partnership and Communications (IPC)

1. Baseline 2017 Puerto Rico Census Test IPC Plan.
2. Translate, design, approve, and send recruitment materials for printing.
3. Receive approval for updated Puerto Rico logos.
4. Initiate development of promotional materials and products.
5. Identify risks and develop risk register.

Internet Self-Response (ISR)

1. Begin development work on the Internet data collection with developers and stakeholders in support of the Test.
2. Contact the United States Postal Service point-of-contact for Puerto Rico to discuss our test objectives and to begin a dialogue on logistics.

Non-ID Processing

1. Participate in planning work for Non-ID Processing during the Test.
2. Coordinate with Internet Self-Response team for delivering requirements for address collection in the Internet data collection system, including accommodation of address types specific to Puerto Rico, which can include barrio and municipio, as well as other unique characteristics.
3. Deliver detailed requirements to software/system solution providers for automated and clerical Non-ID Processing on June 8, 2016.

Update Enumerate (UE)

1. Document requirements for capturing added units and changing address information in the listing instrument and passing that information to the enumeration instrument to be used for UE production and UE Followup for non-responding units.

2017 Puerto Rico Census Test

Look Ahead (next 60 Days) cont'd

Nonresponse Followup (NRFU)

1. Continue collection and development of detailed requirements for the systems supporting NRFU in the Test.

Field Infrastructure

1. Secure office space for the 2017 Puerto Rico Census Test and 2020 Census operations.
2. Translate recruiting materials into Spanish.
3. Acquire Learning Management System (LMS) integration vendor.
4. Begin translation of the LMS System.
5. Begin translation of training materials.
6. Translate onboarding documents.

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 5-24). Otherwise, they are reported on the relevant 2020 Census Operations page (pages 29-41).

Figure 1: Operational Overview by WBS

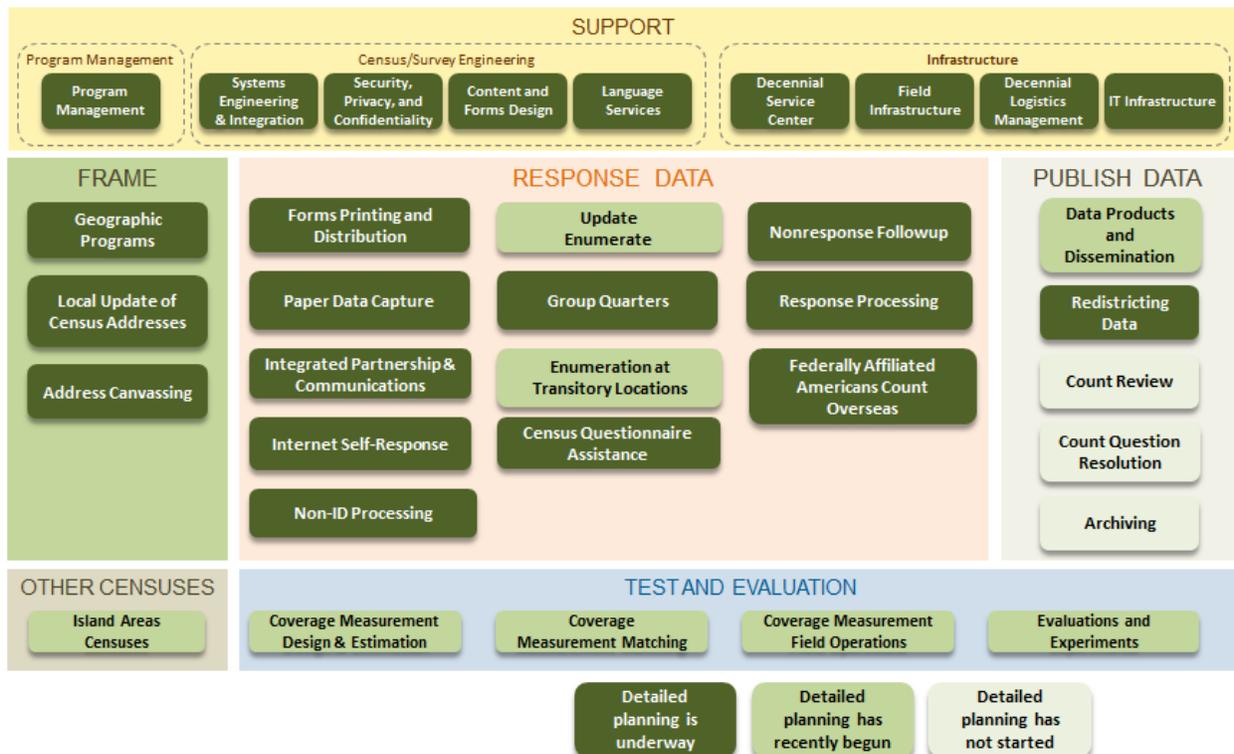


Table 1: 2020 Census Operations and Purpose

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 non-questionnaire 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 non-matches 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)

On May 25, 2016, the 2020 Census Program announced the decision to use a Commercial Off-the-Shelf (COTS) platform as part of Census Enterprise Data Collection and Processing Program (CEDCaP) for the data collection component of the Business Solution Architecture. The 2020 Census Business Solution Architecture will consist of a combination of the CEDCaP and non-CEDCaP systems, to support the overall 2020 Census program.

The SE&I team delivered the 2020 Census Integration and Implementation Plan (IIP). The document was updated with input from the National Academy of Sciences panel meetings in May and was aligned with the CEDCaP release plans (based on the results of SE&I-CEDCaP meetings in mid-May).

Staff refreshed the applicant external demand model for the Tests in 2017 and for the 2020 Census.

The SE&I team participated in a review of the contents of the 2020 Census Architecture Transition Plan with the Census Bureau's IT Directorate and with the Decennial Information Technology Division (DITD). The goal of this review was to familiarize staff with the key pieces of information in the Plan and to solicit feedback on the completeness of the contents. Feedback will inform version two of the Plan.

The SE&I team continued to make progress on creating version one of the Internal Demand Model. The team conducted a 2020 Census Simulation to look at 2020 Census estimates for several systems currently in the model, categorized 2020 Census systems in terms of bandwidth/latency performance and if they were real-time or batch systems, generated Tech Readiness Assessment Template, and started Optimization Modeling.

The Decennial Directorate and the SE&I team completed the Critical Business Proposal Review, the Project Baseline Review, and the Software Requirements Review for the 2017 Census Test and the 2017 Puerto Rico Census Test. The team also completed the Software Requirements Review for the 2018 End-to-End Census Test.

Census/Survey Engineering

Look Ahead (next 60 days)

SE&I

1. Deliver internal demand models for data collection, frame development, Multimode Operational Control System, field operational control system, nonresponse followup, and paradata management.
2. Incorporate Scalability details into version 2 of the Transition Plan in advance of the 2018 End-to-End Census Test Critical Design Review.
3. Update Transition Plan and IIP with the results of the CEDCaP Analysis of Alternatives.
4. Complete the IT Roadmap component of the 2020 Census Architecture and IT Roadmap.
5. Hold a Critical Design Review meeting for the 2017 Census Test, the 2017 Puerto Rico Census Test, and the 2018 End-to-End Census Test.

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)

The Geographic Programs Integrated Project Team (IPT) received approval from the 2020 Census Portfolio Management Governing Board on the Type of Enumeration Area (TEA) criteria for the initial delineation. The IPT started programming for the batch delineation. The Basic Collection Unit (BCU) delineation was completed on May 19, 2016, which includes all of the United States, Puerto Rico, and the Island Areas. The Area Census Office (ACO) Delineation Criteria was finalized and delineation work has started. Requirements have been gathered for plotters needed to support the 2020 Census. Development of the Geographic Update Partnership System continues. Development began for the following Detailed Operational Plans for the Geographic Programs Operation: (1) Geographic Delineations; (2) Geographic Partnership Programs; and (3) Geographic Data Processing.

Staff received the Centro de Recaudacion de Ingresos Municipales (CRIM) address data from the Center of Collections of Municipal Income in Puerto Rico. Staff are in the process of structuring the data in a format that can be processed as local address data and evaluated for potential update. Additionally, staff are prioritizing data validation in the 2017 Puerto Rico Census Test site areas for potential inclusion in the Test.

The LUCA IPT submitted the 2020 Census Detailed Operational Plan for the LUCA Operation for management review. The IPT submitted the LUCA OMB Presubmission Package for review and approval. In addition, the team completed the process of identifying and reviewing all of the LUCA materials needed for the 2020 Census, and provided recommendations for changes/improvements to the LUCA materials (forms, letters, guides etc.) from the 2010 Census.

The Address Canvassing IPT continued evaluation of 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.

Frame

Summary of Activities (last 30 days) cont'd

In-Office Address Canvassing Interactive Review production continues and is meeting the expected production goals. The clerks have reviewed 2,343,776 blocks during Interactive Review from the beginning of production in September 2015 through the end of May 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 the end of May 2016, 72.29 percent of the blocks were classified as Passive, 18.32 percent were classified as Active, and 9.39 percent were classified as On Hold.

In-Office Address Canvassing Active Block Resolution production began at Headquarters on April 19, 2016. Active Block Resolution will be conducted at Headquarters to prove in the procedures and the operation will move to the National Processing Center (NPC) this summer. The NPC has started recruiting and onboarding activities. The first crew of clerks were selected from those currently working on the Interactive Review.

The Headquarters staff have reviewed 1,138 blocks from the beginning of production through the end of May 2016. This 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 the end of May 2016, 80.05 percent of the blocks were classified as Resolved, 11.69 percent were classified as Sent to Field, 0.53 percent were classified as needing additional group quarters research, and 7.73 percent were classified as On Hold.

The MAF Coverage Study began listing the 18,500 tabulation blocks selected for Fiscal Year 2016. As of May 27, 2016, the MAF Coverage Study field representatives have completed 5,867 of the 18,500 tabulation block assignments, which meets the expected production goals.

Look Ahead (next 60 days)

Geographic Programs

1. Complete the first drafts of the following Detailed Operational Plans for the Geographic Programs operation: (1) Geographic Delineations; (2) Geographic Partnership Programs; and (3) Geographic Data Processing.
2. Complete Batch BCU Delineation the Island Areas for the 2020 Census.
3. Develop/test the Batch TEA Delineation Software.
4. Begin Initial TEA Delineation for the 2020 Census (i.e., run software against the BCUs).
5. Create an initial ACO delineation for the 2020 Census.

Frame

Look Ahead (next 60 days) cont'd

LUCA

1. Complete the 2020 Census LUCA OMB Presubmission Package review and approval.
2. Finalize the 2020 Census LUCA Advance Notice Letter.
3. Finalize the 2020 Census LUCA Advance Notice Entity Contacts Update Form.
4. Finalize the requirements document for 2020 Census LUCA Geographic Program Participant software module.
5. Finalize requirements for the 2020 Census LUCA website Address Count list download tool.
6. Finalize requirements for the 2020 Census LUCA Geocoder tool.
7. Finalize the 2020 Census LUCA one-page brochure.
8. Finalize the 2020 Census LUCA Detailed Operational Plan.
9. Finalize requirements for the 2020 Census LUCA Address Count List.

Address Canvassing

1. Issue final report/recommendation on the utility of commercial data (housing unit address and associated geographic coordinate files).
2. Prepare the OMB Presubmission Package for In-Office Address Canvassing.
3. Baseline the Study Plan for the MAF Coverage Study for FY 2016 – FY 2019.
4. Begin updating the MAF with the results of the 2016 MAF Coverage Study.
5. Begin the Test Plan for the 2017 MAF Coverage Study.
6. Baseline the Address Canvassing Test Study Plan.
7. Baseline the In-Office Address Canvassing Study Plan.
8. Start production for the Active Block Resolution at the NPC.

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 Integrated Communications Contract (ICC) is on schedule to award in August 2016. Offerors submitted their final revised proposals by May 20, 2016. Over the next couple of months, the evaluation and price teams will finalize their review of the revised final proposals and complete discussions with offerors.

The 2020 Census IPC Integrated Project Team (IPT) is officially chartered and meets every week to develop schedule, business process models, capability and business-level requirements, and risk register for the 2020 IPC operation. There are 12 Working Groups that makeup the 2020 Census IPC IPT, each are responsible for providing input to the Census Partnership Plan. The final plan will be provided to the awarded contractor in order to get a better understanding of the program in order to provide best practices to support the effort.

The Non-ID Processing team briefed the Decennial Portfolio Management Governing Board (PMGB) on the Detailed Business Proposal and Draft Charter for 2020 Non-ID Response Validation on May 4, 2016.

The Update Enumerate (UE) team reviewed and revised the 2018 End-to-End Census Test Business Process Model to define the operational flow, as well as the associated capability requirements.

In support of the Group Quarters (GQ) operation, the team met with members of the Federal State Cooperative Program for Population Estimates to gain additional insight of their potential roles in frame building and enumeration plans through the use of electronic transfer of administrative records from Group Quarters administrators for the 2020 Census. The Center for Research Measurement (CSM) conducted outreach to pre-identified colleges, universities, and apartment management companies and scheduled in-person interviews to research the suitability of the current definition used to describe student housing. On May 30, 2016, the Decennial Translation Office began testing the data collection instrument that will be used to support the Puerto Rico Group Quarters Electronic Transfer Capability Survey (GQETCS).

Response Data

Summary of Activities (last 30 days) cont'd

Group Quarters cont'd

The small-scale 2016 Service Based Enumeration (SBE) Census Test was conducted at 12 preselected service-based locations in Washington, D.C., and Baltimore, Maryland on May 25-26, 2016*. The following milestone schedule activities took place during the month of May:

- Conducted Dry Run of Training – May 5, 2016
- Conducted User Acceptance Test of Application for Mobile Device – May 12, 2016
- Received Printed Individual Census Reports from the National Processing Center (NPC) – May 16, 2016
- Received Printed Confidentiality Notices from NPC – May 16, 2016
- Completed GQ SBE enumerator kits – May 16, 2016
- Completed Advance Contact with GQ administrators of selected test sites – May 16, 2016
- Made SBE Staff Assignments – May 17, 2016
- Conducted Pre-classroom training – May 18, 2016
- Asset Transfer of Automated Electronic Instruments to Staff – May 23, 2016
- Conducted HQ Staff In-classroom training – May 24, 2016
- Conducted the Group Quarters 2016 SBE Census Test – May 25-26, 2016

In support of the 2020 Census Questionnaire Assistance (CQA) operation, final revised proposals were received from Offerors included in the competitive range to the CQA solicitation. The source selection team is in the process of conducting evaluation of the final revised proposals.

The Nonresponse Followup (NRFU) team worked to make updates to the 2020 Census Operational Plan related to NRFU, and began work on the NRFU Detailed Operational Plan. The team also met with key stakeholders to define requirements around the collection of data from addresses that had been identified as potentially dangerous in the field.

The Response Processing IPT continued to incorporate revisions to the 2020 Census response processing operations business process model and capability and business-level requirements based on lessons learned from the 2015 Tests and the 2016 Census Test. Also, the team continued drafting the 2020 Census Response Processing Operations Detailed Operational Plan. In addition, 2018 End-to-End Census Test Business Process Model and capability and business-level requirements have been approved at the Assistant Division Chief level.

* Please note, this is date was incorrectly reported as May 24-25, 2016, in the April MSR. The dates listed are the correct dates for the Test.

Response Data

Look Ahead (next 60 days)

Integrated Partnership and Communications

1. For the ICC:
 - a. Complete final review of final revised proposal submissions.
 - b. Develop and submit final report with recommended offeror to the source selection official.
2. IPC operation:
 - a. Identify high-level scope of work and roles and responsibilities for the 2020 IPC IPT subteams.

Internet Self-Response

1. Develop additional materials to support the Internet Self-Response IPT.
2. Develop the initial draft of the Internet Self-Response Detailed Operational Plan.

Update Enumerate (UE)

1. Update the UE section of the 2020 Census Operational Plan.

Group Quarters (GQ)

1. Hold a kick-off meeting with representatives from maritime vessel agencies.
2. Launch the Puerto Rico GQETCS to Puerto Rico GQ umbrella organizations and GQ administrators.
3. Brief the 2020 Census PMGB on the proposed GQ Electronic Administrative Records (eAdRec) Independent Test.
4. For the 2016 SBE Census Test, develop and submit the final 2016 SBE Census Test Analysis Report.

Enumeration at Transitory Locations

1. Define and develop Business Process Models and Capability Requirements for the Enumeration at Transitory Locations operation.
2. Explore the opportunities for updating the addresses (the frame) of Transitory Locations.

Census Questionnaire Assistance (CQA)

1. Continue evaluation of final proposals from offerors included in the competitive range to the CQA solicitation.
2. Award contract for CQA.
3. Hold kick-off meeting with selected CQA contractor.

Nonresponse Followup (NRFU)

1. Develop a Detailed Business Proposal that outlines key aspects of the development and management of the 2020 Census Nonresponse Followup project.
2. Complete development of the 2020 Census Nonresponse Followup Detailed Operational Plan.
3. Meet with key stakeholders to resolve various issues associated with key capabilities supporting the Nonresponse Followup operation.

Response Data

Look Ahead (next 60 days) cont'd

Response Processing

1. Complete the response processing component of the 2018 End-to-End Census Test schedule.

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 the 2020 Census RDP kick-off meetings in Cheyenne, Wyoming; Bismarck, North Dakota; and Springfield, Illinois. 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.

Congressional and state legislative districts have all been verified and all submitted verification changes have been processed for the 115th Congress and the 2016 State Legislative Districts. The update cycle for congressional and state legislative districts is complete.

Support for Phase 1 of the 2020 Census RDP, the Block Boundary Suggestion Project (BBSP) continued. Twenty-five states have begun submitting their responses with a total of 665 counties submitted so far. Six states have completed their entire submission or have no changes for this round of collection.

Look Ahead (next 60 days)

Redistricting Data Program

1. Continue the 2020 Census RDP kick-off meetings.
2. Continue biennial updates of congressional and state legislative districts (115th Congress).
3. Continue BBSP.

Count Review

1. Refine and develop Business Process Models and Capability Requirements for the 2020 Census Count Review operation.

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)

The Coverage Measurement Design and Estimation team developed Business Process Models and began the definition of capability requirements. The team reviewed the Business Process Model with the Decennial Architect; the team is awaiting allocation of capabilities to solutions that will enable development of cost estimates for system development.

The Coverage Measurement Field Data Collection and Matching team developed Business Process Models and began the definition of capability requirements. The team reviewed the Business Process Model with the Decennial Architect; the team is awaiting allocation of capabilities to solutions that will enable development of cost estimates for system development.

The Evaluation and Experiments team developed *Operational Assessment Content Guidelines for the 2018 End-to-End Census Test and the 2020 Census* and a *Template for Operational Assessment Study Plans*. They were delivered to the Decennial Research Objectives and Methods (DROM) Working Group for research governance review.

Look Ahead (next 60 days)

Coverage Measurement Design and Estimation

1. Begin development of a Detailed Business Proposal to lay out the life-cycle plans including high-level milestones, schedule, scope, and costs for the operation.

Coverage Measurement Field Operations and Matching

1. Begin development of a Detailed Business Proposal to lay out the life-cycle plans including high-level milestones, schedule, scope, and costs for the operation.

Evaluations and Experiments

1. Baseline the *Charter for the Decennial Research Objectives and Methods (DROM) Working Group*.
2. Conduct user acceptance testing of a Knowledge Management Repository and hold a post-test debriefing.
3. Conduct 2030 Census Envisioning session with the JASON Project participants. The JASONS are an autonomous group of academics that have assisted the Federal government for decades in proposing solutions to challenging problems. The focus of this session is to solicit ideas and thoughts on the environment in which we might be conducting the 2030 Census to help establish the vision for 2030 and lay the ground work for our 2030 research agenda. A mid-project check point will occur in July, 2016 with a final deliverable by October 31, 2016.

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 Field Office IT Deployment team has completed deployment of hardware in the Atlanta and Chicago Regional Census Centers (RCCs) for the Address Canvassing Test. The Cloud team continues to identify solutions best suited for Cloud deployment. The team is setting up “sandbox” testing in the Amazon East/West Cloud environment and is pursuing Authorization to Test (ATT) for the testing. The Mobile team prepared smartphones for the small-scale Group Quarters testing on May 24-27, 2016. The team is currently testing configurations and profiles to be deployed in support of the Address Canvassing Test.

Look Ahead (next 60 days)

Decennial Service Center

1. For later field testing:
 - a. Prepare to hire and on-board additional analysts to support the Address Canvassing Test.
 - b. Continue to work with Decennial Stakeholders to develop Decennial Service Center technical and budget requirements to support the Address Canvassing Test, the 2017 Census Tests, partnership activities, and the 2018 End-to-End Census Test.

Field Infrastructure

1. Decennial Space & Leasing
 - a. Continue to refine RCC requirements.
 - i. Work with General Services Administration (GSA) to identify potential areas of consideration for the RCCs.
 - b. Begin space acquisition process upon receipt of 2018 End-to-End Census Test site selections.
2. Decennial Data Collection Training
 - a. Collaborate with training content vendor for the In-Field Address Canvassing operation.

Decennial Logistics Management

1. Conduct a 2020 Census kick-off meeting with the National Processing Center and its decennial customers.

IT Infrastructure

1. Field Office IT Deployment
 - a. Continue to work with Decennial Stakeholders to develop technical and budget requirements to support the Address Canvassing Test, the 2017 Census Tests, partnership activities, and the 2018 End-to-End Census Test.

Infrastructure

Look Ahead (next 60 days) cont'd

IT Infrastructure cont'd

2. Cloud
 - a. Continue to provision Cloud environments and configure those environments for testing.
 - b. Complete ATTs required to conduct testing for selected Cloud candidate applications.
 - c. Open access to Cloud candidate solution providers (i.e., application developers) to begin testing.
 - d. Award next Cloud delivery order to acquire next round of Cloud services.
3. Mobile
 - a. Continue market research on decennial Device as a Service (dDaaS) for the 2020 Census.
 - b. Award dDaaS contract for 2017 field testing.

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. OIG held their entrance meeting regarding their 2016 Census Test engagement on May 10, 2016.
2. The Census Bureau's action plan in response to the OIG's final report, "The U.S. Census Bureau's Efforts to Ensure an Accurate Address List Raise Concerns over Design and Lack of Cost-Benefit Analysis," was delivered to the OIG on April 19, 2016. A revised version of the action plan was submitted on May 12, 2016.
3. The Census Bureau's comments on OIG's draft report, "The Bureau Has Not Reported Test Results and Executed an Inadequately Designed 2015 Test," were due May 27, 2016. Due to OIG revising their draft report, an extension was granted until June 3, 2016.
4. GAO held their entrance meeting regarding their 2016 Census Test engagement on May 13, 2016.
5. Received GAO's draft report, "INFORMATION TECHNOLOGY: Better Management of Interdependencies between Programs Supporting 2020 Census is Needed," on May 24, 2016. Comments are due June 7, 2016.
6. Presented briefing to OIG and GAO on use of Administrative Records for the 2020 Census on May 25, 2016.
7. Received GAO's draft report, "2020 Census: Census Bureau Needs to Improve It's Life-Cycle Cost Estimating Process," on May 27, 2016. Comments are due June 20, 2016.
8. Presented a 2020 Census update at the Montana State Data Center Meeting in Helena on May 10-11, 2016.
9. Presented a 2020 Census update at the Pennsylvania State Data Center Meeting at the Pennsylvania State University on May 11, 2016.
10. Presented a 2020 Census update at the Alabama State Data Center Meeting in Montgomery on May 26, 2016.
11. Presented a 2020 Census update at the Alaska Native Population Data Conference on May 12, 2016.
12. Presented an overview of the 2020 Census Operational Design, Frame Development, Optimizing Self-Response, Using Administrative Records and 2015 National Content Test race and ethnicity design at the American Association of Public Opinion Research annual conference in Austin, Texas, on May 13, 2016.
13. Presented a 2020 Census update to the National Academy of Sciences on May 16, 2016.
14. Presented a 2020 Census Update and conducted a Technology Expo at the National Advisory Committee Meeting on May 26-27, 2016. Additionally, received updates from the Integrated Partnerships and Communication Working Group, the Language Working Group, and the Hard to Count Working Group.

Oversight & Stakeholder Engagement

Look Ahead (next 60 days)

June 2016

1. Provide comments to OIG's draft report, The Bureau Has Not Reported Test Results and Executed an Inadequately Designed 2015 Test, by June 3, 2016.
2. Provide comments to GAO's Cost Estimation draft report by June 20, 2016.
3. Participate in the 2030 Census visioning meeting with the JASON project on June 20-21, 2016 in La Jolla, California.
4. Present a 2020 Census update at the Maryland State Data Center Meeting in Baltimore on June 22, 2016.
5. Present a 2020 Census update at the Milestone Review Board on June 22, 2016.
6. Participate in the U.S. Conference of Mayors 2020 Census Task Force Meeting on June 24, 2016 in Indianapolis, Indiana.
7. Participate in the 2016 Esri National Geographic Information Systems Executive Forum and User Conference in San Diego, California on June 25-28, 2016.

July 2016

1. Conduct the 2020 Census Program Management Review on July 22, 2016.
2. Participate in the American Statistical Association's Joint Statistical Meetings July 30-August 4, 2016 in Chicago, Illinois.

Program Schedule Metrics Research & Testing

Key Activities Planned for FY16														
Status: End of May 2016														
Project ID	Name	2016												
		Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct
15NCT-N	Conduct Paper Data Capture for 2015 NCT	[Actual Activity]												
15NCT-N	Conduct CATI Reinterview for 2015 NCT	[Actual Activity]												
15NCT-N	Complete Data Collection for 2015 NCT			▲ 10-31-15 A										
16CST	Final OMB clearance approval received - 2016 Census Test				▲ 01-14-16 A									
16CST	Open Area Operations Support Center (AOSC) for Field Operations - 2016 Census Test			▲ 02-03-16 A	▼ 02-03-16 A									
16ACT-A	Obtain Management Approval (ESC) for Sites - AdCan Test													
16CST	Deploy Primus for Self-Response - 2016 Census Test													
16CST	Begin Self-Response Data Collection - 2016 Census Test													
16CST	Conduct Internet Push Letter: Mailing 1 - 2016 Census Test													
16CST	Conduct Telephone Questionnaire Assistance (TQA) Operation - 2016 Census Test													
15NCT-N	Finalize Project Report for Research Study for 2015 NCT													
16CST	Census Day - 2016 Census Test													
16CST	Conduct Coverage Reinterview - 2016 Census Test													
16CST	Conduct NRFU Interviews - 2016 Census Test													
16FLD-A	Open Regional Census Center (RCC) - AdCan Test													
16ACT-A	Conduct Interactive Review for AdCan Test Sites - AdCan Test													
16ACT-A	OMB Clearance - Approval Received - AdCan Test													

▼ Current Start Milestone	▲ Current Finish Milestone	■ Current Activity	▼ Actual Start Milestone
▼ Baseline Start Milestone	▲ Baseline Finish Milestone	■ Actual Activity	▲ Actual Finish Milestone

Run Time: 06-07-16 / 10:00

Explanations for Project Start/Finish Delays

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

Reason for Delay: This activity is expected to finish on 6-20-16. No impact on the overall 2016 Census Test program.

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

Reason for Delay: Due to a delay in data transmission and testing, Coverage Reinterview started on May 2, 2016 and is projected to finish, on time, by June 26, 2016.

Activity 16FLD-A: "Open Regional Census Center (RCC) – AdCan Test"

Reason for Delay: The new requirement for the Decennial Service Center to support Laptops is reflecting a delay in the opening of the Regional Census Center (RCC). However, the RCC is still expected to open as originally planned on July 6, 2016.

Activity 16ACT-A: "Conduct Interactive Review for AdCan Test Sites – AdCan Test"

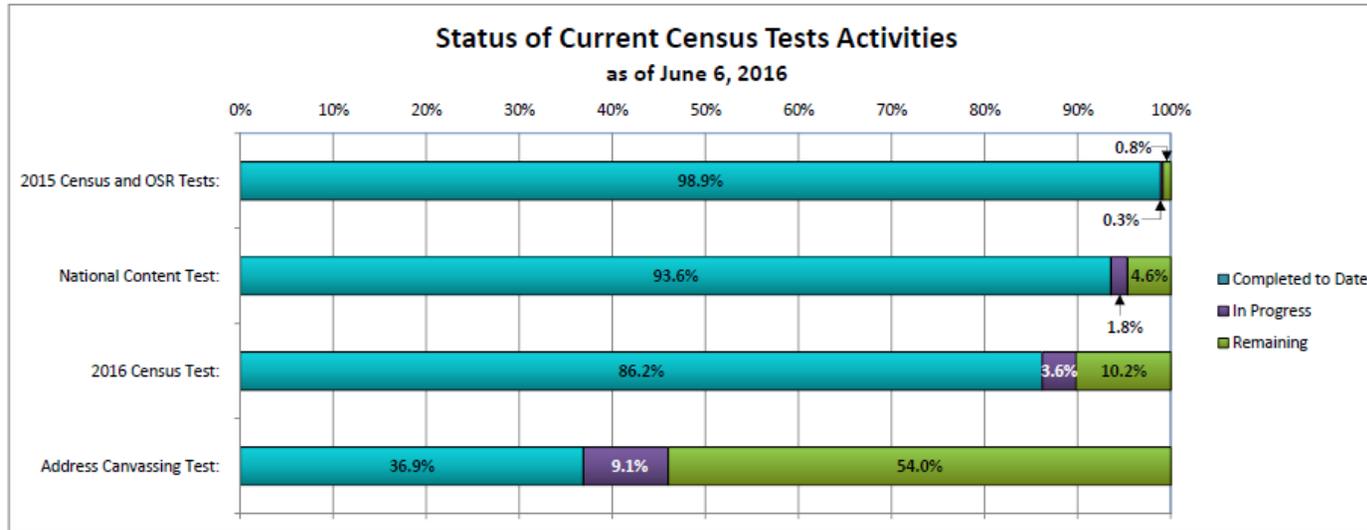
Reason for Delay: To account for the BARCA Refresh for the Housing Unit and Map Layer that is taking 5 weeks to complete, a Change Request (CR) is in place to correct and change this activity's start date from July 19, 2016 to August 17, 2016. There is no impact to the Address Canvassing Test In-Field Data Collection slated to begin on October 3, 2016.

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

Reason for Delay: OMB Clearance is delayed due to a slight delay in submitting the clearance package. Staff have implemented a mitigation strategy to deal with potential printing delays that may result. No impact foreseen at this time on the overall finish date of the Address Canvassing Test in June 2017.

Program Schedule Metrics Research & Testing

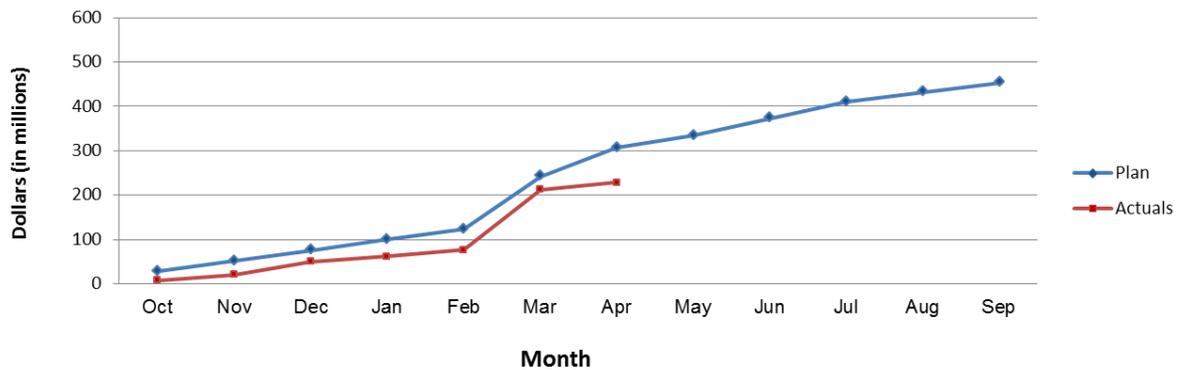
Status of Census Tests through May 2016



	Total Activities	Completed to Date	In Progress	Remaining
2015 Census and OSR Tests:	2989	2956	8	25
National Content Test:	1181	1105	21	55
2016 Census Test:	1905	1642	69	194
Address Canvassing Test:	572	211	52	309

Program Budget / Costs as of April 30, 2016

FY 2016 Cumulative Budget Actuals vs. Plan



	April Cum Plan	April Cum Actuals	April Cum Variance	% Variance
GRAND TOTAL	\$307,002,318	\$228,413,185	\$78,589,133	25.6%
<p>At the end of April, the \$78.6M variance in the 2020 Census program consists of \$16.8M in salaries and \$61.8M in other objects. The salary variance is due to delays in filling vacancies at HQ/RCCs, inaccurate spending plans, and lower scope of work than anticipated. 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	\$60,194,325	\$37,373,254	\$22,821,071	37.9%
<p>The variance in this area consists of \$0.1M higher than expected costs in salaries and \$22.7M lower than expected costs in other objects. The salary variance is due to staff charging to decennial projects in error. Corrective action is being taken to remove the charges. The other objects variance is due to delays in obligating the following contracts/other objects: 1) the Schedule Development contract, 2) the contract and maintenance for the Decennial Budget Integration Tool (DBiT) for cost model and budget support, 3) Acquisitions support contract for close-out activities, and 4) the IT hardware refresh assessment. There is no impact to the program as we expect the obligations to occur in June.</p>				
R2 Census/Survey Engineering	\$22,213,023	\$21,981,142	\$231,881	1.0%
<p>The variance is within threshold.</p>				

Program Budget / Costs as of April 30, 2016

R3 Frame	\$39,163,815	\$34,633,214	\$4,530,601	11.6%
<p>The variance in this area consists of \$2.4M lower than expected costs in salaries and \$2.1M lower than expected costs in other objects. The majority of the salary variance is due to an inaccurate spending plan. Due to the uncertainty of the work, NPC spread their funds evenly across all 12 months in the address canvassing in-office project. All funds are needed as the workload is expected to ramp up in the third and fourth quarters. Additionally, there are delays in hiring the RCC staff because of the delays in the CHEC process. The majority of the other objects variance is due to delays in obligating the following contracts/other objects: 1) a contract for automated training for the Address Canvassing operation, 2) a contract for a technical writer, and 3) a Scheduling Support contract. There is no impact on the program as the contract supporting the Address Canvassing operation was committed in April and the other two contracts are expected to be obligated in May/June.</p>				
R4 Response Data	\$25,231,047	\$22,022,107	\$3,208,940	12.7%
<p>The variance in this area consists of \$1.1M lower than expected costs in salaries and \$2.1M lower than expected 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 majority of the other objects variance is due to delays in obligating the following contracts/other objects: 1) a contract for acquisition support services, 2) a printing contract for the 2016 Census Test, and 3) a contract supporting the 2020 Communications work. Also, there was another contract supporting the 2020 Communications work that was charged to the wrong program. Corrective action is being taken to move the charges to the decennial program. There is no impact to the program as these funds are expected to be obligated in May/June.</p>				
R5 Published Data	\$28,412,529	\$21,298,483	\$7,114,046	25.0%
<p>The variance in this area consists of \$0.8M lower than expected costs in salaries and \$6.3M lower 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 data dissemination and the purchase of hardware. There is no impact to the program as these funds will be obligated in June.</p>				
R6 Test and Evaluation	\$62,119,524	\$45,148,563	\$16,970,961	27.3%
<p>The variance in this area consists of \$6.3M lower than expected costs in salaries and \$10.7M lower than expected costs in other objects. The salary variance is due to delays in filling vacancies, inaccurate spending plans, 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. Last, there was lower scope of work than anticipated in the Test Planning and Evaluations 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 project management support, 3) a contract for NRFU/GQ automated training and technical writer support, and 4) miscellaneous equipment including routers, switches and firewalls. There is no impact to the program as the funds will be obligated in the third and fourth quarters.</p>				

Program Budget / Costs as of April 30, 2016

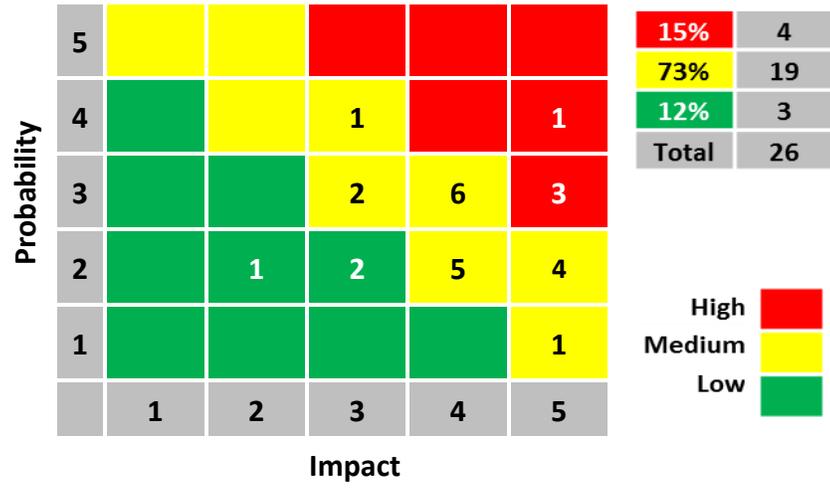
R7 Infrastructure	\$69,668,055	\$45,956,422	\$23,711,633	34.0%
<p>The variance in this area consists of \$1.5M lower than expected costs in salaries and \$22.2M lower than expected costs in other objects. The salary variance is due to delays in filling vacancies. We are working with HRD to get these positions filled by the end of the year. The majority of 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) Business Integration software (the purchase of the software has been delayed until the completion of a software evaluation), 3) contract support for the implementation of the second generation of infrastructure Private/Hybrid tools and services, 4) SE&I contract support for the HQ IT infrastructure, 5) contract for the conversion of operational space/office buildouts, and 6) equipment for the Logistics Systems. The funds for the 2010 Census fingerprinting lawsuit and the equipment for the Logistics Systems are not needed until next year. The remaining contracts/other objects will be obligated in the third and fourth quarters.</p>				

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-021	Schedule Impacts	M	M	↔	4	3
6	LC-010	Enterprise IT Solutions	M	M	↔	3	4
7	LC-015	Program Life Cycle	M	M	↔	3	4
8	LC-031	Delay of Quality Control Testing	M	M	↔	3	4
9	LC-036	Operations and Systems Integration	M	M	↔	3	4
10	LC-038	Data Quality	M	M	↔	3	4
11	LC-042	Late Operational Design Changes	M	M	↔	3	4
12	LC-011	Acquisition Lead Time	M	M	↔	3	3
13	LC-037	Human Capital Management	M	M	↔	3	3
14	LC-003	Meeting Cost Goal	M	M	↔	2	5
15	LC-028	Internet Data Collection	M	M	↔	2	5
16	LC-032	Reengineering Address Canvassing Operation	M	M	↔	2	5
17	LC-034	Administrative Records and Third-Party Data - Access and Constraints	M	M	↔	2	5
18	LC-001	Cost Model Projections	M	M	↔	2	4
19	LC-012	External Support	M	M	↔	2	4
20	LC-022	Technological Innovations Surfacing After Design Is Finalized	M	M	↔	2	4
21	LC-027	IT Security Controls	M	M	↔	2	4
22	LC-029	Contract Management	M	M	↔	2	4
23	LC-004	ACS Funding and Integration	M	M	↔	1	5
24	LC-016	Policy Impacts	L	L	↔	2	3
25	LC-023	Inconclusive Data	L	L	↔	2	3
26	LC-018	Trade Agreement Act Compliance	L	L	↔	2	2

Program-Level Life Cycle Risks



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
AVI.....	[Telephone: robocall]
AVT	Address Validation Test
BYOD	Bring Your Own Device [The use of employee-owned equipment/services.]
<i>CATI</i>	<i>Computer Assisted Telephone Interviewing</i>
CCs.....	Contact Centers
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>
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
DSSD	Decennial Statistical Studies Division
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
HU	Housing Unit
ICADE.....	Integrated Computer Assisted Data Entry System
ICC	Integrated Communications Contract
IMS	Integrated Master Schedule
IPT	Integrated Project Team
<i>IRS</i>	<i>Internal Revenue Service</i>
<i>IT</i>	<i>Information Technology</i>
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
 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
 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.