



2020 Census

August 2016

Monthly Status Report

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

Contents

Key Program Updates	3
Status of Major Tests	4
2014 Census Test.....	5
2015 Optimizing Self-Response Test	6
2015 Census Test.....	7
2015 National Content Test.....	9
2016 Census Test.....	11
Address Canvassing Test.....	14
2017 Census Test.....	16
2017 Puerto Rico Census Test	19
Status of Major 2020 Census Operations.....	22
Census/Survey Engineering	26
Frame.....	27
Response Data.....	30
Publish Data.....	32
Test and Evaluation	33
Infrastructure.....	34
Additional Updates.....	35
Oversight & Stakeholder Engagement	36
Program Schedule Metrics Research & Testing	38
Program Budget / Costs as of July 31, 2016	40
Program-Level Life Cycle Risks.....	43
Appendix	45
Acronyms.....	46

Key Program Updates

1. The Integrated Communication Contract to support 2020 Census Program was awarded on August 24, 2016.
2. During the month of August, the following test reports were released through the 2020 Census Memorandum Series:
 - a. 2014 Census Test: Non-ID Processing Analysis Report (Completed August 6, 2016)
 - b. 2015 Census Test: Imputation Research (Completed August 16, 2016)
3. For the Address Canvassing Test:
 - a. In preparation for Address Canvassing Field Supervisor Training in September 2016, a Field Supervisor Training Dry Run was conducted.
 - b. In support of Field Infrastructure operations for the Test, staff conducted a dry run of field data collection training.
 - c. OMB (Paperwork Reduction Act) clearance for the Test was received on August 29, 2016.
 - d. All systems were released into the production environment on August 29, 2016.
4. For the 2017 Census Test:
 - a. The OMB Presubmission notice was published in the Federal Register on August 8, 2016, which initiated the 60-day public comment period.
 - b. Staff conducted the Test Readiness Review for Recruiting Operations.
 - c. Staff started cognitive testing of tribal enrollment questions. Testing will be conducted at multiple sites across the country to include federal and state recognized tribes, non-recognized tribes, and Alaska Native populations.
 - d. The Field Infrastructure operation has signed an Interagency Agreement (IAA) with the United States Postal Service (USPS) to assist the onboarding process by collecting photos, fingerprinting, and other documentation.
5. For the 2017 Puerto Rico Census Test:
 - a. Recruitment materials have been printed and distributed to the New York regional office.
 - b. The Interagency Agreement (IAA) between the Census Bureau and United States Postal Office (USPS) for fingerprinting and document collection activities for temporary staff has been ratified.
6. For the 2018 End-to-End Census Test:
 - a. In support of the Systems Engineering and Integration operation, staff conducted the Software Requirements Review (part 2) and the Critical Design Review (CDR). Following on the CDR, the solution architecture is being baselined and systems development has been launched.
7. The Technical Integrator contract to support 2020 Census Program was awarded.
8. Census Bureau staff participated in the American Statistical Association's Joint Statistical Meetings July 30-August 4, 2016, in Chicago, Illinois.
9. The action plan for the GAO final report, "Census Bureau Needs to Improve its Lifecycle Cost Estimation Process," was delivered to GAO and Congress on August 29, 2016.

Status of Major Tests

2014 Census Test

Description

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

Key Activities

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

Status of Current Activities

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

Reports under Development/Review

- 2014 Census Test: Overview Report (Expected Completion September 30, 2016)
- Analysis of Contact Outcomes Involving the Contact Frame (Expected Completion September 30, 2016)
- Nonresponse Followup Panel Comparisons and Instrument Analysis (Expected Completion September 30, 2016)

Reports Issued

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

- Analysis of Administrative Record Usage for Nonresponse Followup (Completed March 25, 2016)
- Results for Optimizing Self-Response (Completed June 23, 2016)
- Non-ID Processing Analysis Report (Completed August 6, 2016)

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

2015 Optimizing Self-Response Test

Description

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

Key Activities

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

Status of Current Activities

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

Reports under Development/Review

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

2015 Census Test

Description

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

Key Activities

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

2015 Census Test

Status of Current Activities

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

Reports under Development/Review

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

Reports Issued

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

- Address Validation Test (Completed March 25, 2016)
- Imputation Research (Completion August 16, 2016)

2015 National Content Test

Description

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

Key Activities

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

Status of Current Activities

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

2015 National Content Test

Status of Current Activities cont'd

Reports under Development/Review

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

2016 Census Test

Description

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

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

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

Key Activities

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

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

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

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

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

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

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

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

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

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

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

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

Census Day – April 1, 2016 (completed)

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

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

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

2016 Census Test

Key Activities cont'd

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

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

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

Summary of Activities (last 30 Days)

In-field operations for the Test have concluded. Staff are performing data analysis and preparing analysis reports for the Test. These activities will continue over the coming months.

Integrated Partnership and Communications

Field Staff conducted a debriefing with partnership specialists who worked in the two 2016 Census Test sites.

Non-ID Processing

Non-ID Processing performed automated address matching and census block geocoding for all responses to date that lacked a Census ID. In addition, interactive matching and geocoding was complete for all Non-ID responses that were not successfully matched and/or geocoded during automated processing. 7,829 Non-ID responses were received, about 3.7 percent of all self-response for the Test. This is consistent with the expected Non-ID response rate for this test. Preliminary analysis indicates that the rates for matching respondent-provided addresses were consistent with previous tests, as expected. Approximately 91 percent of the cases were matched in real time (i.e., while the respondents were still online), about 2.5 percent matched during subsequent automated processing, and roughly 1.5 percent matched during clerical processing. Overall the match rate was about 95 percent. Of the approximately 5 percent of cases which could not be matched to a Census address record, only about 0.1 percent could not be assigned to a census block for tabulation purposes.

Nonresponse Followup

Staff conducted a preliminary assessment of findings and feedback from observation reports, management reports, and from debriefing results to identify major themes associated with successes and challenges in the 2016 Census Test. The preliminary assessment of themes includes, but is not limited to: a.) enhancements to training to make on-line training more interactive and to provide more in depth training on techniques to covert potential refusals to interviews, and b.) assessing the type and volume of cases requiring management review in an attempt to improve the operational efficiency and resulting actions associated with the workload requiring the attention of the Census Field Managers.

Look Ahead (next 60 Days)

Integrated Partnership and Communications

1. Closeout Integrated Partnership and Communications activities and finalize lessons learned.

2016 Census Test

Look Ahead (next 60 Days) cont'd

Non-ID Processing

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

Nonresponse Followup

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

Coverage Reinterview

1. Analyze and document the Coverage Reinterview results.

Address Canvassing Test

Description

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

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

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

Key Activities

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

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

Receive OMB (Paperwork Reduction Act) Approval – September 6, 2016 (completed on August 29, 2016)

Begin Field Management Training – Week of August 29, 2016 (completed on August 31, 2016)

Conduct In-Office Address Canvassing Data Collection – September 9, 2016

Begin Field Supervisor Training – September 12, 2016

Begin Field Representative Training – September 26, 2016

Conduct In-Field Address Canvassing Data Collection – September 30, 2016–November 15, 2016

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

Release Address Canvassing Test Analysis Report – April 29, 2017

Summary of Activities (last 30 Days)

Project Management

The Address Canvassing Test Study Plan was provided to OMB as part of the Address Canvassing Test Clearance Package. The Study Plan details the questions to be answered by the Address Canvassing Test as well as the methodology and data requirements necessary to answer those questions.

OMB (Paperwork Reduction Act) clearance for the Test was received on August 29, 2016.

Address Canvassing Test

Summary of Activities (last 30 Days) cont'd

Systems Integration and Engineering

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

Address Canvassing Operation

In preparation for Address Canvassing Field Supervisor Training in September 2016, a Field Supervisor Training Dry Run was conducted the first week in August 2016.

In-Office Address Canvassing began for the Address Canvassing sites on August 23, 2016, earlier than the scheduled begin date for this activity.

Field Infrastructure

In support of Field Infrastructure operations for the Test, staff conducted a dry run of field data collection training.

Decennial Service Center

In support of Decennial Service Center operations for the Test, analysts will continue to provide service desk support from January 29, 2016 until March 21, 2017. Analysts completed training to facilitate support of the Computer Assisted Personal Interviewing (CAPI) laptops being deployed in support of the Tests.

IT Infrastructure

All systems were released into the production environment on August 29, 2016.

Look Ahead (next 60 Days)

Address Canvassing Operation

1. Conduct In-Office Address Canvassing Interactive Review for the test site areas.

Field Infrastructure

1. Conduct hiring and onboarding process for all Census field supervisors and field representatives.
2. Conduct hiring and onboarding process for Regional Census Center (RCC) and Area Census Office (ACO) management staff.
3. Deliver training modules to Learning Management System (LMS) integration vendor for testing.
4. The Learning Management System will go live in support of the Test.
5. Conduct online and classroom field operational training for field supervisors and field representatives.
6. Conduct management overview training for RCC and ACO management staff in support of the Test.

2017 Census Test

Description

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

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

Key Activities

Publish Presubmission Federal Register Notice – July 26, 2016 (published on August 8, 2016)

Hire Partnership Staff – August 22-October 20, 2016*

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

Begin Recruiting – September 1, 2016

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

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

Conduct Census Questionnaire Assistance (CQA) – March 20-July 31, 2017*

Conduct Self-Response, Including Non-ID Processing – March 20-July 28, 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 14, 2017

Summary of Activities (last 30 Days)

Program Management

The OMB Presubmission notice was published in the Federal Register on August 8, 2016, which initiated the 60-day public comment period.

Systems Engineering and Integration

Staff conducted the Test Readiness Review for Recruiting Operations.

Staff delivered refreshes of the external demand models for self-response, paper data capture, Non-ID processing, and Decennial Service Center for the tests in 2017. All models were updated using results from the 2016 Census Test.

* Finish dates have been added to selected activities to provide more information on the operations.

2017 Census Test

Summary of Activities (last 30 Days) cont'd

Systems Engineering and Integration cont'd

Staff met with the Census Enterprise Data Collection and Processing management to revise the Integration and Implementation Plan (IIP) schedule of readiness reviews for the Enterprise Censuses and Surveys Enabling platform software supporting the Tests in 2017.

Content and Forms Design

Staff started cognitive testing of tribal enrollment questions. Testing will be conducted at multiple sites across the country to include federal and state recognized tribes, non-recognized tribes, and Alaska Native populations.

Geographic Programs

Staff delivered Geographic Reference File-Codes files for the test on August 1, 2016, and released the Applicant Geocoding Service (AGS) on August 12, 2016.

Integrated Partnership and Communications

Recruitment materials have been printed and distributed to the regional office.

Field Infrastructure

The Decennial Applicant, Personnel, and Payroll System (DAPPS) has incorporated Affordable Care Act benefits, allowing the hiring of all office staff and Recruiting Assistants in DAPPS. The operation has also signed an Interagency Agreement (IAA) with the United States Postal Service (USPS) to assist the onboarding process by collecting photos, fingerprinting, and other documentation.

Decennial Service Center

Staff collected field support requirements for the Test. These requirements were collected from all of the system owners, along with relevant stakeholders, in an effort to gather their Decennial Service Center (DSC) needs and to gather information that the DSC needs from them.

IT Infrastructure

The Cloud team received a provisional Authorization to Operate (ATO) for the Amazon Web Services (AWS) infrastructure and has created Enterprise Census' and Surveys Enabling (ECaSE) developer accounts.

Look Ahead (next 60 Days)

Program Management

1. Finalize the 2017 Census Test Plan.

Systems Engineering and Integration

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

Content and Forms Design

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

2017 Census Test

Look Ahead (next 60 Days) cont'd

Geographic Programs

1. Deliver the 2017 National Sample File to the Control and Response Data System, Decennial Information Technology Division and the Decennial Statistic Studies Division by September 2, 2016.

Integrated Partnership and Communications

1. Develop promotional messaging, materials, and product, with an initial focus on the partnership toolkit and social media strategy.
2. Develop web and mobile reporting strategy.

Internet Self-Response

1. Finalize the design of the mailing materials.
2. Complete the Initial sprints of Internet Self-Response (ISR) application development.
3. Finalize logistics for the Every Door Direct Mailer in Update Enumerate (UE) areas (stateside and in Puerto Rico).

Update Enumerate

1. Finalize the Business Process Model and capability requirements.
2. Finalize the user stories for capability requirements exclusive to the UE operation.
3. Finalize the UE Study Plan for the Test.
4. Begin design development of production reports.

Field Infrastructure

1. Open the Denver and Los Angeles Regional Census Centers (RCCs) in support of the Test.
2. Acquire integration vendor for configuration of the Learning Management System (LMS) in support of the Test.
3. Complete configuration of the LMS in support of the Test.
4. Train USPS staff to conduct fingerprinting and document collection activities.
5. Begin recruiting and administering employment assessments to field staff.
6. Begin automated and classroom training content development in support of the Test.

Decennial Service Center

1. Kick-off Service Desk support for the Test.

IT Infrastructure

1. Deploy Real-Time Non-ID Processing (RTNP) and ECaSE applications into the Cloud environment and test autoscaling.

2017 Puerto Rico Census Test

Description

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

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

Key Activities

Publish Presubmission Federal Register Notice – July 19, 2016 (completed)
Begin Hiring Partnership Staff – July 19, 2016 (completed)
Open Regional Census Center (RCC) –September 1, 2016
Conduct In-Office Address Canvassing – September 9-October 30, 2016**
Begin Recruiting – September 1, 2016
Deliver OMB (Paperwork Reduction Act) Clearance Package – October 14, 2016
Receive OMB (Paperwork Reduction Act) Approval – December 15, 2016
Open Puerto Rico Area Census Office (ACO) – December 12, 2016
Conduct In-Field Address Canvassing – February 21–March 31, 2017**
Conduct Census Questionnaire Assistance (CQA) – March 20-July 31, 2017**
Conduct Self-Response, Including Non-ID Processing – March 20-August 4, 2017**
Conduct In-Field Address Canvassing Relisting – April 3-April 28, 2017**
Census Day – April 1, 2017
Conduct Update Enumerate (UE) – April 17-July 14, 2017**
Conduct UE Reinterview – April 20-July 21, 2017**
Conduct Nonresponse Followup (NRFU) – May 12-July 31, 2017**
Conduct NRFU Reinterview – May 15-August 4, 2017**
Conduct UE Followup – May 15-July 17, 2017**

Summary of Activities (last 30 Days)

Geographic Programs

Delivered the Geographic Reference File-Codes files for the Test on August 11, 2016, and released the Applicant Geocoding Service AGS on August 12, 2016.

Systems Engineering and Integration

Staff conducted the Test Readiness Review for Recruiting Operations.

Staff delivered refreshes of the external demand models for self-response, paper data capture, Non-ID processing, and Decennial Service Center for the tests in 2017. All models were updated using results from the 2016 Census Test.

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

** Finish dates have been added to selected activities to provide more information on the operations.

2017 Puerto Rico Census Test

Summary of Activities (last 30 Days) cont'd

Systems Engineering and Integration cont'd

Staff met with the Census Enterprise Data Collection and Processing management to revise the Integrated and Implementation Plan (IIP) schedule of readiness reviews for the Enterprise Censuses and Surveys Enabling platform software supporting the Tests in 2017.

Integrated Partnership and Communications

The team updated the Spanish and bilingual recruitment materials to incorporate the approved Census Bureau logo. Recruitment materials have been printed and distributed to the New York regional office.

Nonresponse Followup

Staff finalized the Business Process Model and capability requirements for the Test, as well as the requirements for operational reports produced during field data collection. Staff participated in the development of user stories for capability requirements supporting the Test. Additionally, staff finalized the Nonresponse Followup Study Plan for the Test.

Field Infrastructure

The New York regional office (RO) has begun configuring the regional census center (RCC), which will support the Puerto Rico field operations. Field headquarters has conducted management overview training for RCC managers. Additionally, the Interagency Agreement (IAA) between the Census Bureau and United States Postal Office (USPS) for fingerprinting and document collection activities for temporary staff has been ratified. The Census Bureau has signed a lease for the Area Census Office (ACO) in San Juan, Puerto Rico.

Decennial Service Center

Staff collected field support requirements for the Test. These requirements were collected from all of the system owners, along with relevant stakeholders, in an effort to gather their Decennial Service Center (DSC) needs and to gather information that the DSC needs from them.

IT Infrastructure

In support of IT Infrastructure operations for the Test, the Cloud team received a provisional Authorization to Operate (ATO) for the Amazon Web Services (AWS) infrastructure. The Field Office IT Deployment team began procurement for partnership IT equipment.

Look Ahead (next 60 Days)

Program Management

1. Finalize the 2017 Puerto Rico Census Test Plan.

Content and Forms Design

1. Finalize the paper questionnaires for testing.

Integrated Partnership and Communications

1. Develop promotional messaging, materials, and product, with an initial focus on the partnership toolkit and social media strategy.

2017 Puerto Rico Census Test

Look Ahead (next 60 Days) cont'd

Update Enumerate

1. Finalize the Business Process Model and capability requirements.
2. Finalize the user stories for capability requirements exclusive to the UE operation.
3. Finalize the Update Enumerate Study Plan.
4. Begin design development of production reports.

Nonresponse Followup

1. Development of the ECaSE enumeration instrument.

Field Infrastructure

1. Complete build out and open the RCC within the New York RO.
2. Administer RCC management overview training.
3. Begin automated training content development.
4. Train USPS staff to conduct fingerprinting and related document collection activities.

Decennial Service Center

1. Kick-off service desk support within the New York RCC.

Status of Major 2020 Census Operations

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

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

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

Completed or planned activities specifically supporting past or current Tests are reported on the relevant Test page (pages 5-21). Otherwise, they are reported on the relevant 2020 Census Operations page (pages 26-34).

Figure 1: Operational Overview by WBS

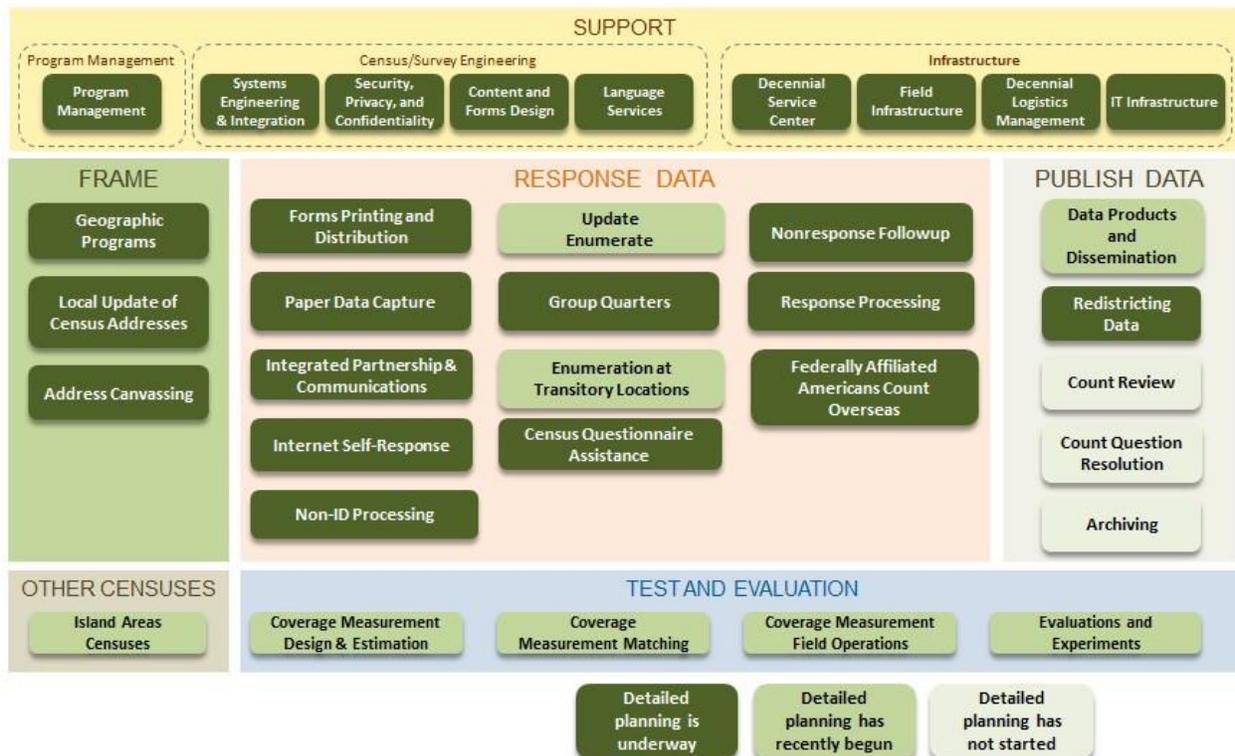


Table 1: 2020 Census Operations and Purpose

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

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

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

Census/Survey Engineering

Description

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

Summary of Activities (last 30 days)

In support of the Systems Engineering and Integration (SE&I) operation, staff distributed version 2 of the 2020 Census Solution Architecture document, the 2020 Census Architecture Transition Plan (ATP), and 2020 Census Integration and Implementation Plan (IIP) for comments.

Staff began using the IT Roadmap to identify software or hardware planned for use in census tests or in the 2020 Census that will soon reach end-of-life or end-of-support.

Staff delivered all Non-Functional Requirements, except for those related to performance, for upcoming census tests and for the 2020 Census.

Staff conducted the Software Requirements Review (part 2) and the Critical Design Review (CDR) supporting the 2018 End-to-End Census Test. Following on the CDR, the solution architecture is being baselined and systems development has been launched.

The Technical Integrator contract for 2020 Census was awarded.

Look Ahead (next 60 days)

SE&I

1. Submit the 2020 Census Solution Architecture document, the 2020 Census ATP, the 2020 Census IIP, the System Engineering Management Plan, and the Test and Evaluation Management Plan to the Decennial PMGB for baselining.
2. Staff will conduct the ORR for Release A supporting the Address Canvassing Test.
3. Staff will conduct the PRR for Release I supporting the 2017 Census Test and 2017 Puerto Rico Census Test.
4. Staff will conduct the TRR for the BAS Part 2/LUCA Geographic Update Partnership Software (GUPS) Release.

Frame

Description

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

Summary of Activities (last 30 days)

In support of the Geographic Program operations, staff have begun analyzing data from the 2020 Initial Type of Enumeration Area (TEA) Delineation. Initial 2020 Census TEA Delineation products have been created and are in review, including map products. The Puerto Rico Partner file address update has been completed for the test site areas, and review and update continues for the remainder of the island.

Development and testing of the Geographic Update Partnership Software (GUPS) continues and updates to system documentation were made. The team is developing requirements for contact databases and control systems to support the Participant Statistical Areas Program. The Geographic Programs Detailed Operational plans have been drafted and submitted for executive review.

In support of the LUCA operation, staff have started sending the LUCA advance notice materials (letters and forms) through the approval process. The 60-day comment period for the LUCA OMB pre-submission materials ended August 30, 2016. Comments received are being incorporated for the next step.

In support of the Address Canvassing operation, staff are evaluating commercial data (housing unit address and associated geographic coordinate files) through the review of metadata and through a match against the Master Address File (MAF). The matching is complete and evaluation is in progress, to be reported by the end of Fiscal Year 2016.

The 2020 Census In-Office Address Canvassing Interactive Review production continues, and is meeting the expected production goals. The clerks have reviewed 5,116,778 blocks during Interactive Review from the beginning of production in September 2015 through August 31, 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 August 31, 2016, 76.0 percent of the blocks were classified as Passive, 15.6 percent were classified as Active, and 8.4 percent were classified as On Hold.

Frame

Summary of Activities (last 30 days) cont'd

The 2020 Census In-Office Address Canvassing Active Block Resolution (ABR) production began at headquarters on April 19, 2016. Active Block Resolution has been conducted at headquarters to prove in the procedures and the operation began at the National Processing Center (NPC) this month. The NPC has started recruiting and onboarding activities for brand new employees to add to their ABR units. Three more ABR units were trained during the month of August. The staff have reviewed 18,793 blocks from the beginning of production through August 31, 2016. One hundred sixteen staff are working ABR in production and ten are performing quality control.

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

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

As of August 31, 2016, 78.9 percent of the blocks were classified as Resolved, 16.4 percent were classified as Sent to Field, 0.6 percent were classified as needing additional group quarters research, and 4.1 percent were classified as On Hold.

The MAF Coverage Study began listing the 18,500 tabulation blocks selected for Fiscal Year 2016. As of August 26, 2016, the MAF Coverage Study field representatives have completed 17,923 of the 18,500 tabulation block assignments, which meets the expected production goals.

The MAF Update for the Fiscal Year 2016 MAF Coverage Study began, and the results of that update will be sent to DSSD in August for analysis. The sample for the Fiscal Year 2017 Study was drawn and delivered to Field Division for review and comment.

Look Ahead (next 60 days)

Geographic Programs

1. Update In Office Address Canvassing data and prioritize Interactive Review and Active Block Resolution in test site areas.

LUCA

1. Complete the following items for the 2020 Census:
 - a. LUCA Unified Tracking System (UTS) Report Requirements
 - b. Requirements for LUCA Computer-Based Training WebEX
 - c. Requirements for LUCA Address Count List
 - d. 2020 LUCA Operation Information Guide
2. Release the 2020 Census LUCA Detailed Operational Plan.

Frame

Look Ahead (next 60 days) cont'd

Address Canvassing

1. Prepare the OMB Presubmission Package for 2020 Census In-Office Address Canvassing.
2. Evaluate the MAF Coverage Study Fiscal Year 2017 sample to determine if additional staffing is needed for any regions.

Response Data

Description

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

Summary of Activities (last 30 days)

In support of the Integrated Partnership and Communications (IPC) operation, the 2020 Census Integrated Communications Contract (ICC) was awarded on August 24, 2016.

In support of the Group Quarters (GQ) operation, the team received approval and funding from the 2020 Census Portfolio Management Governance Board to conduct the Electronic Administrative Records Independent Test (eAdRec IT). The Test will be conducted to test the electronic transfer of administrative records and response data received from Group Quarters (GQ) facilities and ingested into a standardized decennial database.

Received approved Department of Defense Memorandum of Understanding (MOU) between Defense Manpower Data Center and the Department of Commerce, Census Bureau for data sharing in preparation for the eAdRec IT. The approved MOU was submitted to the Census Bureau's legal counsel for a final review.

In support of the Nonresponse Followup (NRFU) operation, the draft of 2020 Census Detailed Operation Plan for NRFU was completed and is under review.

Look Ahead (next 60 days)

Integrated Partnership and Communications

1. Hold kickoff meeting and Census 101 sessions with selected integrated communications contractor.

Update Enumerate

1. Align operational changes made for the 2017 Census Test and the 2017 Puerto Rico Census Test to the 2018 End-to-End Census Test and 2020 Business Process Models and capability requirements.
2. Begin writing the 2020 Census Detailed Operational Plan for the UE operation.

Group Quarters

1. Review and finalize the 2016 Service Based Enumeration (SBE) Census Test Analysis Report.
2. Finalize eAdRec IT standard record layout template for Individual Census Report (ICR), Military Census Report (MCR), and Shipboard Census Report (SCR) for deployment
3. Begin eAdRec IT portal systems testing and user acceptance testing.
4. Receive eAdRec IT portal authorization to operate (ATO).

Response Data

Look Ahead (next 60 days) cont'd

Nonresponse Followup

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

Publish Data

Description

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

Summary of Activities (last 30 days)

The Redistricting Data Program (RDP) completed a 2020 Census RDP kickoff meeting in Indianapolis, Indiana, bringing the total number of states visited to 21. 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. In addition, the RDP conducted our primary stakeholder engagement meeting at the National Conference of State Legislatures.

For Phase 1 of the 2020 Census RDP, the Block Boundary Suggestion Project (BBSP), all states have completed submitting their responses, with 1,150 counties submitting changes. All submitted counties have passed initial review and quality control, and have been delivered to the Geography Division for processing into the Master Address File (MAF)/Topologically Integrated Geographic Encoding and Referencing (TIGER) system.

Look Ahead (next 60 days)

Redistricting Data Program

1. Continue the 2020 Census RDP kickoff meetings.
2. Assist the Geography Division with quality control of BBSP insertion into the MAF/TIGER System.
3. Begin preparation for the verification portion of Phase 1 – BBSP, including preparing participant materials for the states so they can verify BBSP submissions were processed as expected.

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 Field Operations and Matching team recently took part in the latest 2020 Census Systems Requirements Review. The team has also begun working with Center for Survey Measurement (CSM) to obtain help in redesigning the 2010 Coverage Measurement (CM) questionnaires since they are being converted to automated instruments for 2020 operations.

In support of the Evaluation and Experiments operation and the development of a vision for the 2030 Census, a one-day session, facilitated by MITRE, was held with the Santa Fe Institute to explore computational and complexity science approaches to understanding new analytic processes for the 2030 Census that could make it more accurate, innovative, and efficient while maintaining compliance with the U.S. Constitutional mandate. Staff supported a session held with the Brookings Institute to explore the underlying dynamics affecting the United States in specific ways that in turn could influence the conduct of the 2030 Census. Staff also conducted the first of several sessions with the Decennial Research Objectives and Methods (DROM) working group to review and discuss research/study plans for the 2017 Census Test and the 2017 Puerto Rico Census Test.

Look Ahead (next 60 days)

Coverage Measurement Design and Estimation

1. Baseline the business process model and capability requirements.

Coverage Measurement Field Operations and Matching

1. Baseline the business process model and capability requirements.

Evaluations and Experiments

1. Conduct additional sessions with the DROM to review and discuss the research/study plans for the 2017 Census Test and the 2017 Puerto Rico Census Test.
2. Receive the final report from the JASON Project to Envision the 2030 Census. The JASONS are an autonomous group of academics that have assisted the federal government for decades in proposing solutions to our most challenging problems. The focus of the 2030 Census Envisioning was to solicit ideas and thoughts on the environment in which we may be conducting the 2030 Census. This will help establish the vision for the 2030 Census and lay the groundwork for the 2030 Census research agenda, including things we may want to test within the 2020 Census.

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 2018 End-to-End Census Test, the Decennial Service Center and Field Office IT Deployment teams began collecting business requirements from Field management. In addition, the Field Infrastructure team has acquired space for the 2018 End-to-End Census Test.

Look Ahead (next 60 days)

Decennial Service Center

1. Gather 2018 End-to-End Census Test support requirements.
2. Train analysts to process security incident calls.

Field Infrastructure

1. Decennial Space & Leasing
 - a. Partner with General Services Administration (GSA) to refine potential areas of consideration for the 2020 Census regional census centers.

IT Infrastructure

1. Cloud
 - a. Deliver Cloud CONOPS, Cloud Comprehensive Cloud Test Plan, Cloud Transition and Sequencing Plan, Cloud Cost Modeling Tool, and Cloud Services Catalog to the Enterprise.
2. Field Office IT Infrastructure
 - a. Draft an RFI to obtain information regarding how best to refine the 2020 Census acquisitions approach for Field Office IT Infrastructure required to support the 2020 Census.
3. Mobile
 - a. Finalize and release the decennial Device as a Service (dDaaS) Request for Proposal that will cover the 2018 End-to-End Census Test and the 2020 Census.

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. Participated in the American Statistical Association's Joint Statistical Meetings July 30-August 4, 2016, in Chicago, Illinois.
2. Participated in the Kentucky State Data Center meeting in Louisville on August 5, 2016.
3. Met with the National Advisory Committee virtually to discuss the tribal enrollment question with Census staff on August 22, 2016.
4. GAO held their entrance meeting for the 2020 Census Address Canvassing engagement on August 24, 2016.
5. Participated in a briefing on the 2020 Census for Senator Carper on August 25, 2016.
6. Conducted Hill briefings on the 2017 Census Test and the 2017 Puerto Rico Census Test to delegates in North Dakota, South Dakota, Washington State, and Puerto Rico, as well as to staff from the Senate Indian Affairs Committee and the House Subcommittee on Indian, Insular, and Alaska Native Affairs on August 26, 2016.
7. The action plan for the GAO final report, "Census Bureau Needs to Improve its Lifecycle Cost Estimation Process," was delivered to GAO and Congress on August 29, 2016.

Look Ahead (next 60 days)

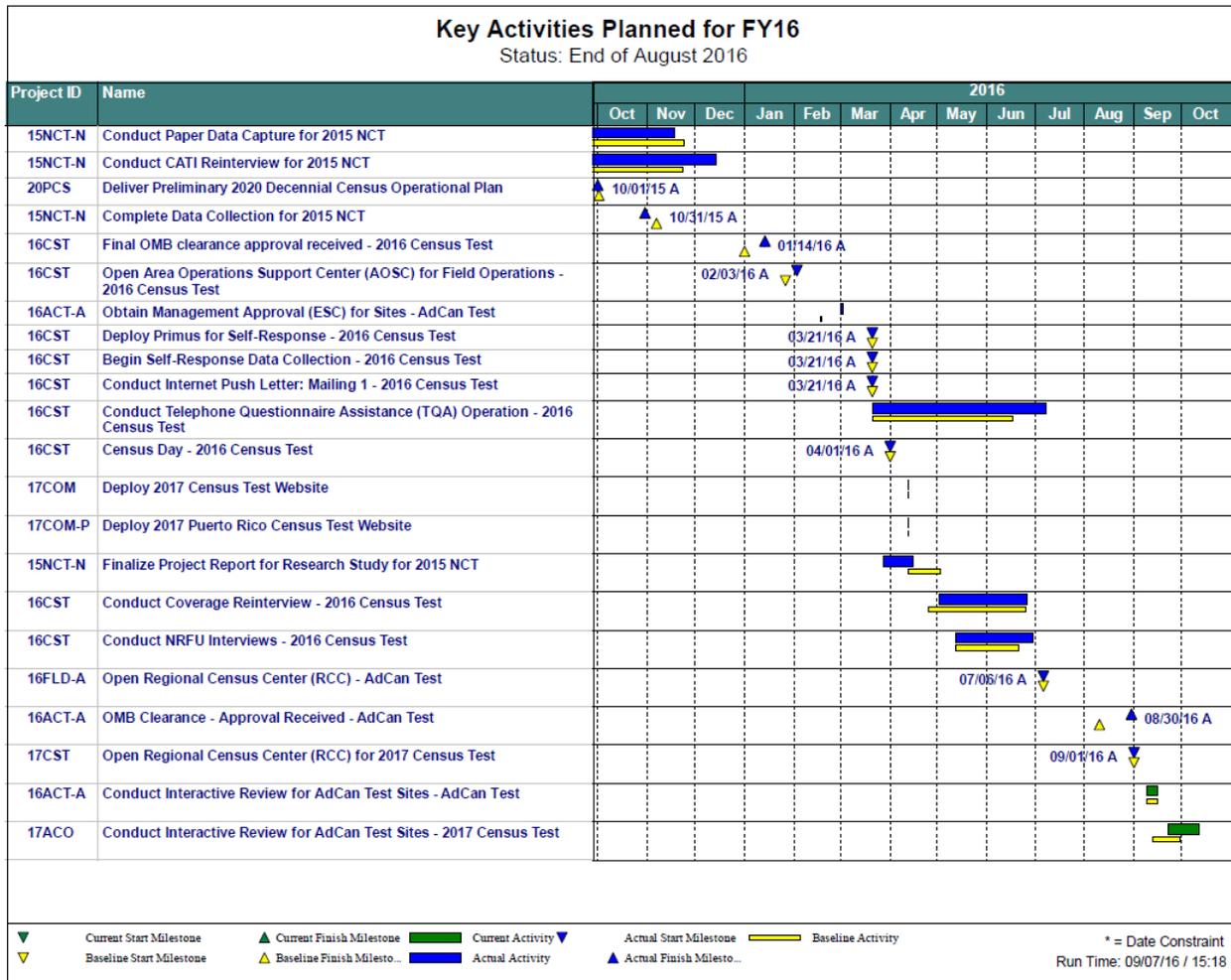
1. Participate in the following Tribal Consultations:
 - a. North Carolina Indian Affairs Quarterly Meeting, Raleigh, North Carolina, on September 1, 2016.
 - b. Navajo Nation, Gallup, New Mexico, on September 19, 2016.
 - c. Regional and Village Corporations, Anchorage, Alaska, on September 27, 2016.
 - d. Miccosukee Tribes of Florida, Miami, Florida, on October 5, 2016.
 - e. Shoshone Bannock, Fort Hall, Idaho, on October 20, 2016.
2. Participate in the quarterly meetings of the National Academy of Sciences (NAS) Standing Committee on the 2020 Census on September 7-9, 2016.
3. Present to the Association of National Census and Statistics Director of America, Asia, and the Pacific on September 9, 2016.
4. Participate in the following State Data Center meetings:
 - a. Helena, Montana, on September 14-15, 2016.
 - b. Phoenix, Arizona, on September 15, 2016.
5. Participate in the fall Census Scientific Advisory Committee meeting on September 15-16, 2016.
6. Participate in the COPS Meeting on September 30, 2016.
7. Present at the United Nations Economic Commission for Europe Conference on European Statistics in Pala is Des Nations, Geneva, on September 26-27, 2016.

Oversight & Stakeholder Engagement

Look Ahead (next 60 days) cont'd

8. Participate in the fall meeting of the Federal State Cooperative for Intercensal Estimates on September 26-28, 2016.
9. Present at the International Census Forum in New Zealand on October 25-28, 2016.
10. Conduct the 2020 Census Program Management Review on October 28, 2016.
11. Participate in the fall National Advisory Committee meeting on November 3-4, 2016.

Program Schedule Metrics Research & Testing



Explanations for Project Start/Finish Delays

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

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

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

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

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

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

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

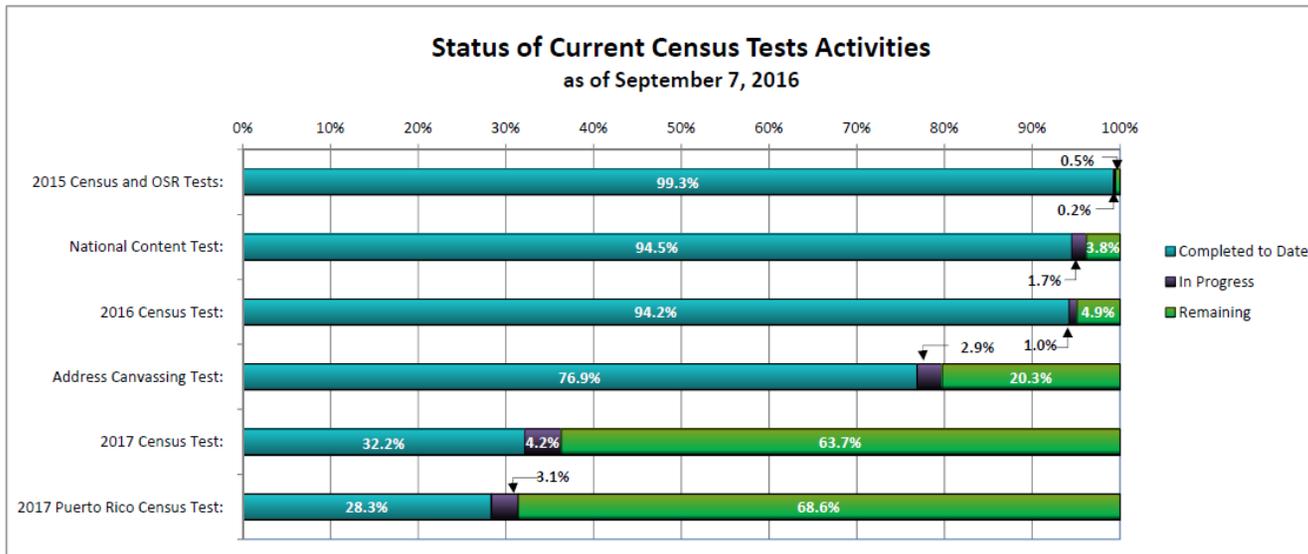
Reason for Delay: The scope of the clearance package was expanded to include the Address Canvassing portion of the 2017 Puerto Rico Census Test, which added additional time to the Census Bureau's internal clearance process. This delayed delivery of the clearance package to OMB. In order to mitigate any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

Activity 17ACO: "Conduct Interactive Review for AdCan Test Sites – 2017 Census Test"

Reason for Delay: A change request has been submitted to move the start of Interactive Review to September 8, 2016, with Active Block Resolution completing on November 4, 2016. AdCan and MAF/TIGER have worked out dates so that the Test is not impacted. The impact will be absorbed by MAF/TIGER processing and no effect to product dates.

Program Schedule Metrics Research & Testing

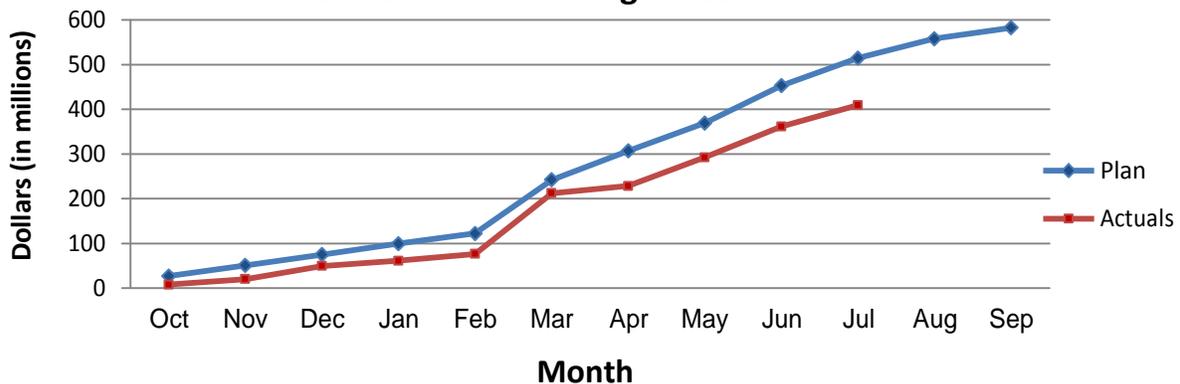
Status of Census Tests through August 2016



	Total Activities	Completed to Date	In Progress	Remaining
2015 Census and OSR Tests:	2989	2967	6	16
National Content Test:	1181	1116	20	45
2016 Census Test:	1905	1795	17	93
Address Canvassing Test:	627	482	18	127
2017 Census Test:	2143	689	89	1365
2017 Puerto Rico Census Test:	3106	880	95	2131

Program Budget / Costs as of July 31, 2016

FY 2016 Cumulative Budget Actuals vs. Plan



	July Cum Plan	July Cum Actuals	July Cum Variance	% Variance
GRAND TOTAL	\$514,752,048	\$409,523,537	\$105,228,511	20.4%

At the end of July, the \$105.2M variance in the 2020 Census program consisted of \$30.9M in salaries and \$74.3M in other objects. The salary variance is due to delays in filling vacancies at HQ/RCCs, inaccurate initial spending plans. We are working with HRD to get these positions filled by the end of the year. The other objects variance is due to a delay in obligations. We still plan to award these contracts, and don't believe the delays will significantly affect our ability to stay on schedule and complete planned activities.

R1 Program Management	\$124,008,958	\$93,886,384	\$30,122,574	24.3%
------------------------------	---------------	--------------	--------------	-------

The variance in this area consists of \$1.3M lower than expected costs in salaries and \$28.8M lower than expected costs in other objects. The salary variance is due to delays in filling vacancies. We are working with HR to get the positions filled by the end of the year. In anticipation of a decision in late FY 2016 to define the platform for developing enterprise and 2020 Census IT systems, we set aside funding for the technical integration of these IT systems. The technical integration support is critical to the systems development, integration and other time-sensitive preparations for the 2018 End-to-End Test. There is no impact to the program as we expect this obligation to occur in the fourth quarter.

R2 Census/Survey Engineering	\$28,924,489	\$27,227,128	\$1,697,361	5.9%
-------------------------------------	--------------	--------------	-------------	------

The variance in this area consists of \$1.0M lower than expected costs in salaries and \$0.7M lower than expected costs in other objects. The salary variance is due to delays in filling vacancies both at HQs and the Regional Offices. The other objects variance is due to a delay in obligating the MOU agreement that provides legal support for the 2020 Census.

Program Budget / Costs as of July 31, 2016

R3 Frame	\$70,928,053	\$62,430,609	\$8,497,444	12.0%
<p>The variance in this area consists of \$6.2M lower than expected costs in salaries and \$2.3M lower than expected costs in other objects. The majority of the salary variance is due to delays in filling vacancies and delays in the CHEC process. The majority of the other objects variance is due to delays in obligating the following contracts: 1) contract to support the Geographic Update Software, 2) contract to support In-Office Address Canvassing, and 3) the purchase of hardware to support In-Office Address Canvassing. There is no impact to the program as we expect these obligations to occur in the 4th quarter.</p>				
R4 Response Data	\$46,108,944	\$40,629,438	\$5,479,506	11.9%
<p>The variance in this area consists of \$3.4M lower than expected costs in salaries and \$2.1M 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 the delay in obligating the 2020 Communications contract. This obligation is partially offset by the earlier than planned obligation for the Census Questionnaire contract. There is no impact to the program as we expect the Communications contract to occur in the 4th quarter.</p>				
R5 Published Data	\$35,291,329	\$29,450,555	\$5,840,774	16.6%
<p>The variance in this area consists of \$1.4M lower than expected costs in salaries and \$4.4M 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 the delays in obligating a support contract for CEDSCI and the purchase of hardware in support of CEDSCI. There is no impact to the program as the funds will be obligated in the fourth quarter.</p>				
R6 Test and Evaluation	\$106,073,604	\$80,481,883	\$25,591,721	24.1%
<p>The variance in this area consists of \$10.8M lower than expected costs in salaries and \$14.8M lower than expected costs in other objects. The salary variance is due to delays in filling vacancies. First, there were delays in hiring the RCC staff because of the delays in the CHEC process. Second, due to the uncertainty of the work, NPC spread their funds evenly across all 12 months in their original spending plan. All funds are needed as the workload is expected to ramp up in the fourth quarter. Last, there was lower scope of work than originally anticipated in the Test Planning, Management and Support projects. The other objects variance is due to delays in obligating the following contracts: 1) support contracts for the 2016 Census Test, 2) a contract for Mobile decennial Device as a Service (dDaaS) and licenses for the Field Activities, 3) a contract for the matching system for Census Coverage Management (CCM), and 4) a support contract and software to develop the 2020 mobile instruments. There is no impact to the program as the funds will be obligated in the fourth quarter.</p>				

Program Budget / Costs as of July 31, 2016

R7 Infrastructure	\$103,416,671	\$75,417,540	\$27,999,131	27.1%
--------------------------	---------------	--------------	--------------	-------

The variance in this area consists of \$6.8M lower than expected costs in salaries and \$21.2M lower than expected costs in other objects. The salary variance is due to delays in filling vacancies. The other objects variance is due to delays in obligating the funds for the 2010 Census fingerprinting lawsuit settlement. The funds for the fingerprinting lawsuit are not needed until next year.

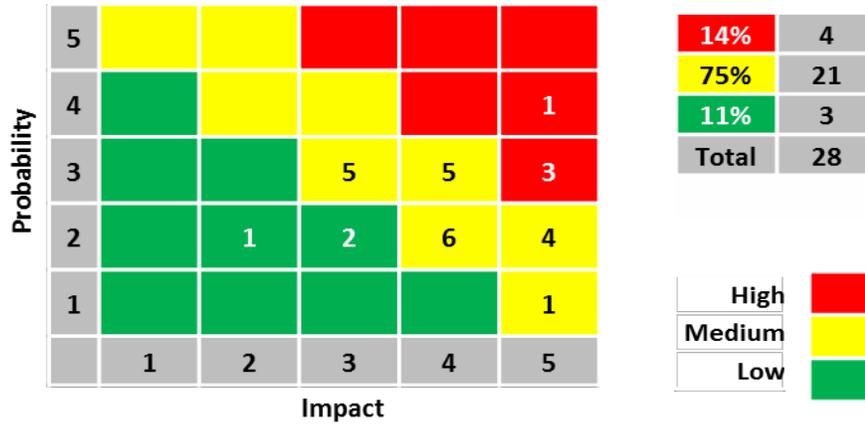
Note: Explanations are required for frameworks with variances that are equal to or greater than +/- 10% OR greater than +/- \$500k.

Program-Level Life Cycle Risks

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

Risk Trend
↑
Improving
↔
No Change
↓
Worsening

Program-Level Life Cycle Risks



For August, no rating changes occurred to the 2020 Census Program risks, nor were any risks opened or closed.

Appendix

Appendix A

Acronyms

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

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

UT..... Users Test
UTS Unified Tracking System
WLM..... Workload Management

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