

2020 Census

September 2016

Monthly Status Report

All information in this report is as of September 30,
unless otherwise stated in the title of the page.

Contents

| | |
|---|----|
| Key Program Updates | 3 |
| Status of Major Tests | 5 |
| 2016 Census Test..... | 6 |
| Address Canvassing Test | 9 |
| 2017 Census Test..... | 11 |
| 2017 Puerto Rico Census Test..... | 15 |
| 2018 End-to-End Census Test..... | 19 |
| 2014 Census Test..... | 22 |
| 2015 Optimizing Self-Response Test..... | 23 |
| 2015 Census Test..... | 24 |
| 2015 National Content Test | 26 |
| Status of Major 2020 Census Operations | 28 |
| Census/Survey Engineering..... | 32 |
| Frame..... | 34 |
| Response Data..... | 36 |
| Publish Data..... | 38 |
| Test and Evaluation | 39 |
| Infrastructure | 40 |
| Additional Updates | 41 |
| Oversight & Stakeholder Engagement..... | 42 |
| Program Schedule Metrics Research & Testing | 44 |
| Program Budget / Costs as of August 31, 2016..... | 46 |
| Program-Level Life Cycle Risks | 49 |
| Appendix | 51 |
| Acronyms..... | 52 |

Key Program Updates

1. Staff began the production listing component of the Address Canvassing Test
2. Address Canvassing Operation:

The In-Office Address Canvassing component met the Fiscal Year 2016 goal of having worked 50 percent of all tabulation blocks in the nation and Puerto Rico via Interactive Review.
3. Address Canvassing Test:
 - a. The Operational Readiness Review for Address Canvassing Production was completed.
 - b. Hiring and selection of clerks, field representatives, and field supervisors in Atlanta, Georgia, and Chicago, Illinois, was completed.
 - c. In-Field Address Canvassing data collection began.
4. 2017 Census Test:
 - a. Staff completed cognitive testing of tribal enrollment questions and provided recommendations based on the cognitive testing results. The final version of the tribal enrollment question to be included on the data collection instruments was determined.
 - b. Staff delivered the National Sample File.
 - c. Staff finalized the Update Enumerate (UE) Business Process Model and capability requirements for the Test. In addition, staff finalized the UE Study Plan, including revising the goals and test questions for UE for the Test.
5. 2017 Puerto Rico Census Test:
 - a. Staff began In-Office Address Canvassing.
 - b. Staff finalized the Update Enumerate (UE) Business Process Model and capability requirements. In addition, staff finalized the UE Study Plan, including revising the goals and test questions for UE for the Test.
6. Systems Engineering and Integration (SE&I) operation:

Staff conducted Production Readiness Reviews (PRRs) for Recruiting Release 1 and Release I for the 2017 Census Test and 2017 Puerto Rico Census Test.
7. Integrated Partnership and Communications (IPC) operation:

Staff held a kickoff meeting and Census 101 sessions with the selected integrated communications contractor, Team Young and Rubicam (Y&R), which includes the prime contractor Y&R and the 17 subcontracting agencies.
8. The Redistricting Data Program (RDP) completed a 2020 Census RDP kickoff meeting in Honolulu, Hawaii, bringing the number of states visited to 22.
9. During September, the following test reports were released through the 2020 Census Memorandum Series:
 - a. 2014 Census Test: Overview Report
 - b. Final Report on Adaptive Design in the 2015 Census Test
 - c. Final Report on the Administrative Records Usage in the 2015 Census Test (formerly known as Analysis of Administrative Records Usage)
 - d. Final Report on the 2015 Census Test Evaluation Followup (formerly known as Nonresponse Evaluation Followup Analysis Report)

Key Program Updates Cont'd

10. During the month of September, the following Detailed Operational Plans (DOP) were released:
 - a. 2020 Census Detailed Operational Plan for the Local Update of Census Addresses Operation (LUCA)
 - b. 2020 Census Detailed Operational Plan for the Language Services Operation
 - c. 2020 Census Detailed Operational Plan for the Content and Forms Design Operation
 - d. 2020 Census Detailed Operational Plan for the Non-ID Processing Operation
 - e. 2020 Census Detailed Operational Plan for the Redistricting Data Program Operation
 - f. 2020 Census Detailed Operational Plan for the Census Questionnaire Assistance Operation
 - g. 2020 Census Detailed Operational Plan for the Integrated Partnership & Communications Operation
 - h. 2020 Census Detailed Operational Plan for Geographic Programs – Geographic Data Processing Component
 - i. 2020 Census Detailed Operational Plan for Geographic Programs – Geographic Delineations Component
11. GAO released their final report on CEDCAP and the 2020 Census: “GAO-16-623, Information Technology: Better Management of Interdependencies between Programs Supporting 2020 Census Is Needed.” The Census Bureau now is preparing a formal action plan in response to the recommendations in the report.
12. Staff delivered the formal action plan to GAO and oversight committees in response to recommendations in the GAO report on cost estimation: “GAO-16-628, 2020 Census: Census Bureau Needs to Improve Its Life-Cycle Cost Estimating Process.”

Status of Major Tests

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.

Non-ID Processing

Staff produced an internal draft report containing an analysis of the results of the recollection of response data from a sample of Non-ID responders to the Test. The results from the recollection effort were compared with data from the original response as part of the Non-ID Response Validation effort for the Test. This comparison looked for inconsistencies between the data from the internet self-response and the data collected at the door by field staff. No significant inconsistencies were identified.

Nonresponse Followup

Compiled a 2016 Census Test Lessons Learned Report identifying best practices and challenges during the testing phase. The report also considers recommendations for system and procedural enhancements for the NRFU operations.

Staff received 2016 Census Test data and initiated steps to analyze the data to further inform the successes and challenges with the 2016 Census Test.

Look Ahead (next 60 Days)

Integrated Partnership and Communications

1. Finalize lessons learned.

Non-ID Processing

1. Perform additional review of Non-ID analysis datasets generated from 2016 Census Test self-response and produce an internal draft report by October 31, 2016, detailing the address matching and geocoding results.
2. Revise the draft report regarding the results of the recollection of response data from a sample of Non-ID responders to the Test based on comments from the initial internal review. Additionally, included results of matching aimed at determining level of consistency with respondent-provided data and comparable data in administrative records and third-party data.

2016 Census Test

Look Ahead (next 60 Days) cont'd

Nonresponse Followup

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

Coverage Reinterview

1. Analyze and begin documentation of 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 September 2, 2016)

Conduct In-Office Address Canvassing Data Collection – September 9, 2016 (began August 23, 2016)

Begin Field Supervisor Training – September 12, 2016 (began on September 12, 2016; completed September 21, 2016)

Begin Field Representative Training – September 26, 2016 (began on September 26, 2016)

Conduct In-Field Address Canvassing Data Collection – September 30, 2016-November 15, 2016 (began on September 30, 2016)

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

Release Address Canvassing Test Analysis Report – April 29, 2017

Summary of Activities (last 30 Days)

Systems Integration and Engineering

Staff completed the Operational Readiness Review for Address Canvassing Production on September 21, 2016.

Address Canvassing Test

Summary of Activities (last 30 Days) cont'd

Address Canvassing Operation

Address Canvassing Field Supervisor Training took place from September 12 through September 21, 2016. Completed In-Office Address Canvassing Interactive Review on September 12, 2016, and began Active Block Resolution on September 12, 2016.

Began production listing component of the Address Canvassing Test by September 30, 2016.

Field Infrastructure

Hiring and selection of clerks, field representatives, and field supervisors in Atlanta, Georgia, and Chicago, Illinois, is complete.

Look Ahead (next 60 Days)

Address Canvassing Operation

1. Complete In-Office Address Canvassing Active Block Resolution for the test site areas.

Field Infrastructure

1. Conduct hiring and onboarding process for all census field supervisors and field representatives.
2. Conduct online and classroom field operational training for field supervisors and field representatives.

Decennial Service Center

1. Support the Field Representative training, which began on September 26, 2016.
2. Support field operations, which began on September 30 and will run through December 16, 2016.

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 (Began August 22, 2016)

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

Begin Recruiting – September 1, 2016 (Began on September 1, 2016, now on hold*)

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)

Systems Engineering and Integration

Staff conducted Production Readiness Reviews (PRRs) for Recruiting Release 1 (Address Canvassing recruiting) and Release I (In-Office Address Canvassing functionality) for the Test.

Content and Forms Design

Staff completed cognitive testing of tribal enrollment questions and provided recommendations based on the cognitive testing results. The final version of the tribal enrollment question to be included on the 2017 data collection instruments was determined.

Staff finalized the paper questionnaires for testing.

*Field test preparations on hold pending further insight into FY 2017 funding levels.

2017 Census Test

Summary of Activities (last 30 Days) cont'd

Geographic Programs

Staff delivered the 2017 National Sample File to the Control and Response Data System, Decennial Information Technology Division, and the Decennial Statistic Studies Division by September 7, 2016.

Address Canvassing Operation

Completed In-Office Address Canvassing Interactive Review on September 12, 2016 for the 2017 Census Test Sites.

Integrated Partnership and Communications

Staff began developing promotional messaging, materials, and products, with an initial focus on the partnership toolkit, social media strategy, and web and mobile reporting strategy.

Update Enumerate

Staff finalized the Update Enumerate (UE) Business Process Model and capability requirements for the Test. In addition, staff finalized the UE Study Plan, including revising the goals and test questions for UE for the Test.

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. Administration and recruiting kits were delivered to the Denver, Colorado, and Los Angeles, California regions on September 9, 2016. Field Recruiting completed training RCC staff on recruiting. Staff completed DAPPS hands-on training in the Los Angeles, California, Region.

Decennial Service Center

Staff continued to collect field software 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 Decennial Device as a Service (dDaaS) team awarded the 2017 contract to DMI Inc. The Cloud Team supported installations of the ECaSE and RTNP applications in the Amazon Web Services (AWS) GovCloud.

Internet Self-Response

Internet Self-Response (ISR) Integrated Project Team (IPT) continued to work on developing and refining user stories for the ECaSE-ISR development effort. Development on the ECaSE-ISR application began on September 21, 2016. Additionally, the ISR IPT finalized the mail strategy for the stateside tests (both the national mailout and the tests in Standing Rock and Colville).

2017 Census Test

Look Ahead (next 60 Days)

Program Management

1. Finalize the 2017 Census Test Plan.
2. Submit full OMB Paperwork Reduction Act Clearance Package to the Department of Commerce.

Systems Engineering and Integration

1. Conduct the Test Readiness Reviews (TRRs) for Release C (self-response functionality) for printing and mailing that support the Test.

Geographic Programs

1. Complete In-Office Address Canvassing for 2017 Census Test.

Integrated Partnership and Communications

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

Internet Self-Response

1. Complete sprints 2 and 3 of ECaSE-ISR application development.
2. Finalize logistics for the Every Door Direct Mailer in Update Enumerate (UE) areas in Puerto Rico.

Non-ID Processing

1. Coordinate with Internet Self-Response team regarding requirements for the initial sprints for the ISR application; specifically, the address collection screens for Non-ID responses for the Test.

Update Enumerate

1. Begin design development of production reports.

Field Infrastructure

1. Training for DAPPS hands-on training is scheduled for October 3-5, 2016 in Denver, Colorado.
2. Acquire integration vendor for configuration of the Learning Management System (LMS) for the Test.
3. Complete configuration of the LMS in support of the Test.
4. Train United States Postal Service staff to conduct fingerprinting and collect on-boarding documents.
5. Begin recruiting and administering employment assessments to field staff.
6. Begin automated and classroom training content development.
7. Field is scheduled to start buildout of the Area Census Office on October 1, 2016.
8. Obtain Licenses for LMS in support of the 2017 Census Test.

2017 Census Test

Look Ahead (next 60 Days) cont'd

Decennial Service Center

1. Begin Service Desk support for the Test.

IT Infrastructure

1. Provide developer devices for the ECaSE and associated support teams.
2. Configure mobile device management software and device provisioning profiles for the Test.
3. Configure and deploy Recruiting Assistant mobile devices for Standing Rock and Coleville sites.
4. Provision ECaSE and RTNP servers and conduct autoscaling test, as well as Primus Performance Load Test in the AWS Cloud.

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 New York Regional Census Center (RCC) –September 1, 2016 (completed)
Conduct In-Office Address Canvassing – September 9-October 30, 2016
Begin Recruiting – September 1, 2016 (on hold**)
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)

Systems Engineering & Integration

Staff conducted Production Readiness Reviews (PRRs) for Recruiting Release 1 (Address Canvassing Recruiting) and Release I (In-Office Address Canvassing functionality) for the Test.

Content and Forms Design

Staff finalized the paper questionnaire for testing.

Geographic Programs

Staff began In-Office Address Canvassing for Puerto Rico test site on September 8, 2016.

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

**Field test preparations on hold pending further insight into FY 2017 funding levels.

2017 Puerto Rico Census Test

Summary of Activities (last 30 Days) cont'd

Address Canvassing Operation

Completed In-Office Address Canvassing Interactive Review on September 13, 2016, for the 2017 Puerto Rico Census Test Sites.

Integrated Partnership and Communications

Staff began developing promotional messaging, materials, and products, with an initial focus on the partnership toolkit, social media strategy and web and mobile reporting strategy.

Internet Self Response

Staff continued to work on developing and refining user stories for the ECaSE-ISR development effort. Development on the ECaSE-ISR application began on September 21, 2016.

Nonresponse Followup

Staff briefed the 2017 Puerto Rico Census Test Nonresponse Followup Study Plan to the Decennial Research Objectives and Methods Working Group.

Update Enumerate

Staff finalized the Update Enumerate (UE) Business Process Model and capability requirements for the Test. In addition, staff finalized the UE Study Plan, including revising the goals and test questions for UE for the Test.

Field Infrastructure

The New York RCC opened on September 1, 2016, and is fully functional. The electrical work is complete. Staff can now move from temporary spaces to designated centralized space. Field Division staff conducted RCC recruiting training in the New York RCC.

Decennial Service Center

Staff continued to collect field software 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 the Field Office IT Deployment, the team reviewed requirements with the General Services Administration (GSA). The Team continued to procure equipment required for the Test.

Response Processing Operation

Staff continued work with the Enterprise data architect to finish development for the 2017 Tests of a standard output data elements table for use across collection modes to facilitate operational control systems and post-data collection response processing.

2017 Puerto Rico Census Test

Look Ahead (next 60 Days)

Program Management

1. Finalize the 2017 Puerto Rico Census Test Plan.
2. Update the OMB Full Paperwork Reduction Act Clearance Package with Subject Matter Experts (SME) comments to initiate review process.

Systems Engineering & Integration

Conduct the Test Readiness Reviews (TRRs) for Training Release 1 (Address Canvassing Training and CQA Training) supporting and Release C (self-response functionality) for printing and mailing supporting the Test.

Internet Self Response

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

Non-ID Processing

1. Coordinate with Internet Self-Response team regarding requirements for the initial sprints for the ISR application; specifically, the Puerto Rico address collection screens for Non-ID responses for the Test.

Integrated Partnership and Communications

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

Update Enumerate

1. Begin design development of production reports.

Nonresponse Followup

1. Participate in development of operational testing requirements.

Field Infrastructure

1. Complete build out and open the RCC within the New York Regional Office (RO).
2. Complete buildout of the Puerto Rico ACO.
3. Administer RCC management overview training.
4. Begin automated training content development.
5. Train USPS staff to conduct fingerprinting and related document collection activities.
6. Obtain LMS licenses in support of the Puerto Rico Census Test.

IT Infrastructure

1. Receive equipment for NY RCC and PR ACO
2. Configure and ship equipment to test sites
3. Assist sites with any installation issues that arise
4. Upgrade equipment for NY RCC by December 2016 in preparation for PR ACO opening as part of IT systems testing.
5. Configure and deploy recruiting assistant mobile devices for the Test.

2017 Puerto Rico Census Test

Look Ahead (next 60 Days) cont'd

Geographic Programs

1. Complete In-Office Address Canvassing for Puerto Rico test site by October 30, 2016.
2. Deliver Master Address File Extract and Geographic Reference Files-Codes/Names (GRF-C/N) by December 1, 2016.

2018 End-to-End Census Test

Description

The 2018 End-to-End Census Test objectives are:

- Test and validate 2020 Census operations, procedures, systems, and field infrastructure together to ensure proper integration and conformance with functional and nonfunctional requirements.
- Produce a prototype of geographic and data products.

The Test will take place in three areas: Pierce County, Washington; Providence County, Rhode Island; and, Bluefield-Beckley-Oak Hill, West Virginia.

Key Activities

Publish Presubmission Federal Register Notice for Early Operations – September 30, 2016

Conduct In-Office Address Canvassing – November 16, 2016-February 2, 2017

Open Regional Census Centers (RCC) – January 3, 2017

Deliver OMB (Paperwork Reduction Act) Clearance Package for Early Operations –January 9, 2017

Receive OMB (Paperwork Reduction Act) Approval for Early Operations– March 10, 2017

Begin Recruiting for Early Operations – March 10, 2017

Open Area Census Offices (ACO) – March 31, 2017

Publish Presubmission Federal Register Notice for Peak Operations – June 2, 2017

Conduct In-Field Address Canvassing – August 14–September 29, 2017

Conduct In-Field Address Canvassing Listing QC – August 21-October 6, 2017

Deliver OMB (Paperwork Reduction Act) Clearance Package for Peak Operations –August 30, 2017

Begin Recruiting for Peak Operations – August 31, 2017

Begin Hiring Partnership Staff – October 11, 2017

Receive OMB (Paperwork Reduction Act) Approval for Peak Operations– October 30, 2017

Conduct Coverage Measurement (CM) Independent Listing and QC – January 18-March 23, 2018

Conduct Group Quarters (GQ) Advance Contact – February 5-March 9, 2018

Conduct Census Questionnaire Assistance (CQA) – March 19-August 31, 2018

Conduct Self-Response, Including Non-ID Processing – March 19-August 31, 2018

Conduct GQ Enumeration – March 28-June 12, 2018

Census Day – April 1, 2018

Conduct Nonresponse Followup (NRFU) – April 3-August 20, 2018

Conduct NRFU Reinterview – April 4-August 31, 2018

Conduct Update Enumerate (UE) – April 16-May 16, 2018

Conduct UE Reinterview and Listing QC – April 19-July 17, 2018

Conduct CM Initial Housing Unit Followup and QC: May 2-June 1, 2018

Conduct UE Followup – May 7-July 16, 2018

Conduct Field Verification (for non-ID cases) – May 10-August 14, 2018

Conduct CM Person Interview and QC – May 30-September 7, 2018

2018 End-to-End Census Test

Key Activities cont'd

Conduct CM Person Followup and QC – October 31-December 14, 2018

Conduct CM Final Housing Unit Followup and QC – February 2-March 15, 2019

Publish Prototype P.L. 94-171 Data and Support Products – April 1, 2019

Summary of Activities (last 30 Days)

Program Management

Completed rebaselining of 2018 End-to-End Census Test Integrated Master Schedule on September 16, 2016.

Systems Engineering & Integration

Staff participated in multiple meetings with Decennial Response Processing System (DRPS) staff who identified solution architecture updates.

Field Infrastructure

The Request for Information (RFI) for a third-party vendor to conduct fingerprinting, badging, and document collection was issued. Additionally, the RFI for a Learning Management Solution (LMS) was issued.

IT Infrastructure

The Decennial Devices as a Service (dDaaS) Team has begun acquisition planning. The Field Office IT Infrastructure Team began establishing requirements for network connectivity

Look Ahead (next 60 Days)

Systems Engineering & Integration

1. Conduct the Test Readiness Reviews (TRRs) for Recruiting Release 1 (Address Canvassing Recruiting)

Decennial Service Center

1. Gather support requirements.

Field Infrastructure

1. Begin working on the following Statement of Work (SOW) documents
 - a) Toll Free Jobs Line
 - b) Communications contractor for promotional materials
 - c) Recruiting Training
2. Staff is working with Acquisitions and contractors to develop a third-party vendor RFP, SOW, and cost estimate.

2018 End-to-End Census Test

Look Ahead (next 60 Days) cont'd

IT Infrastructure

1. Cloud

Complete Cloud Performance Test Strategy. The strategy directly supports scalability testing.

2. Mobile

Release dDaaS RFP.

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, DC, 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 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)
- 2014 Census Test: Overview Report (Completed September 8, 2016)
- Analysis of Contact Outcomes Involving the Contact Frame (Completed September 29, 2016)
- Nonresponse Followup Panel Comparisons and Instrument Analysis (Completed September 30, 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 Nonsampled 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 1 of Fiscal Year 2017 (on a flow basis) (Expected completion November 30, 2016)

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 October 31, 2016)
- 2015 Census Test of Digital Advertising and Other Communications in the Savannah DMA (formerly known as, Analysis of the 2015 Census Test of Advertising and Partnerships) (Expected Completion October 31, 2016)
- Non-ID Response Validation for the 2015 Optimizing Self-Response Test (formerly known as, Analysis of Savannah Reinterview Results) (Expected Completion October 31, 2016)
- Analysis of Non-ID Processing Results for the 2015 Optimizing Self-Response (OSR) and the 2015 Census Test (Expected Completion October 31, 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 (this report will not be prepared*)
- 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 (Completed August 16, 2016)
- Final Report on Adaptive Design in the 2015 Census Test (Completed September 7, 2016)
- Final Report on the Administrative Records Usage in the 2015 Census Test (formerly known as, Analysis of Administrative Records Usage) (Completed September 21, 2016)
- Final Report on the 2015 Census Test Evaluation Followup (formerly known as, Nonresponse Evaluation Followup Analysis Report) (Completed September 21, 2016)

* Given that highlights regarding 2015 Census Test have been covered in the detailed reports, this report will not be prepared.

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. Preliminary results on race and ethnicity research are being rolled out to internal and external stakeholders this fall.

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)

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 6-27). Otherwise, they are reported on the relevant 2020 Census Operations page (pages 32-40).

Figure 1: Operational Overview by WBS

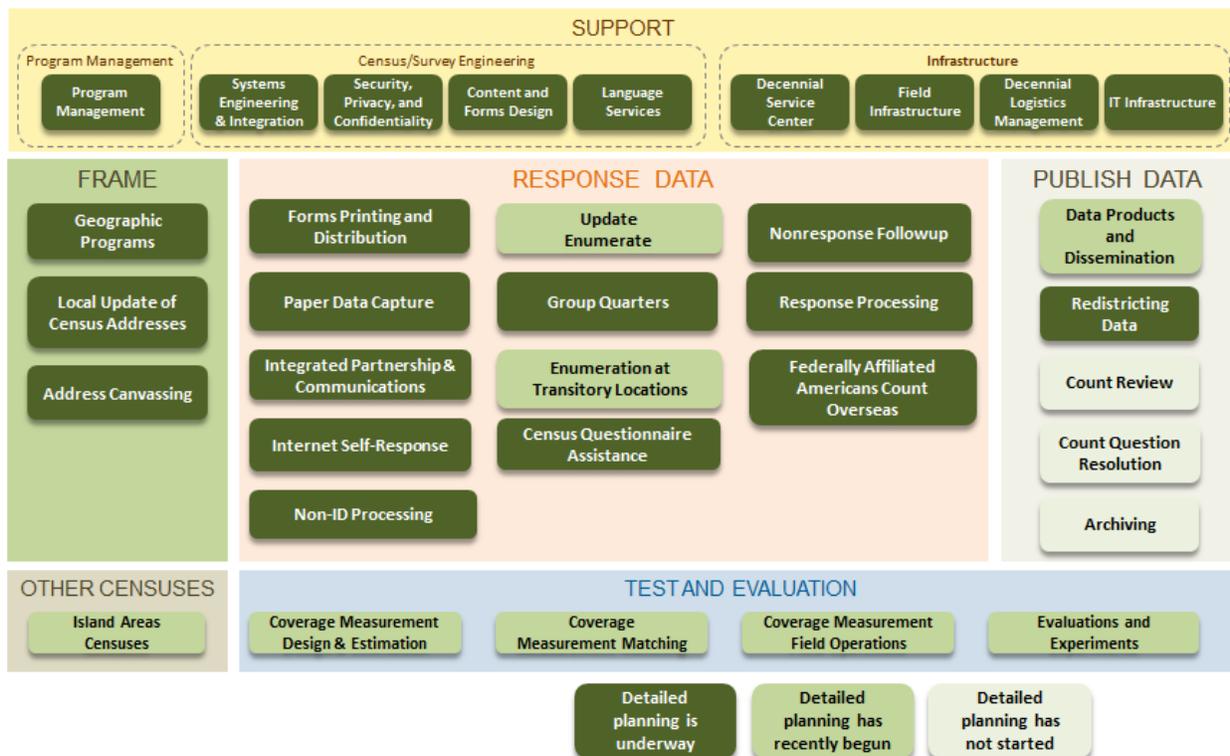


Table 1: 2020 Census Operations and Purpose

| 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, campgrounds, 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.

Table 2: SE&I Review Descriptions

| Review | Description |
|--|---|
| Critical Business Proposal Review (CBR) | Review of initial high level architecture to ensure inclusion of appropriate systems to implement the desired subset of the 34 operations. |
| Project Baseline Review (PBR) | Review of program baselines. Schedule, organizational structure, Risk, etc. |
| Systems Requirements Review (SRR) | Joint review of PLBR/CAP requirements by engineering and operations. |
| Critical Design Review (CDR) | Review of high level architecture and detailed business processes that define the subset of operations, interfaces, etc. Includes allocation of requirements to systems and the defined releases. |
| Test Readiness Review (TRR) | Ensures appropriate test objectives, methods procedures, scope and environments. Assesses readiness of systems to begin independent Program-Level testing. Marks the beginning of Enterprise Testing Service Branch (ETSB) testing. |
| Production Readiness Review (PRR) | Assessment of test results to ensure systems are ready for operations testing. |
| Operational Readiness Review (ORR) | Assessment of operational testing to ensure full operation is ready to go-live. |

Table 3: SE&I Release Functionality Key

| Release | Functionality |
|-----------------------------|---|
| Release A | In-Field Address Canvassing |
| Release B | Coverage Measurement |
| Release C | Self-Response |
| Release D | Field Enumeration |
| Release E | Tabulation/Dissemination |
| Release F | RESERVED |
| Release G | Geographic Programs / LUCA |
| Release H | RESERVED |
| Release I | In-Office Address Canvassing |
| Recruiting Release 1 | Address Canvassing Recruiting |
| Recruiting Release 2 | Field Enumeration Recruiting |
| Training Release 1 | Address Canvassing Training, CQA Training |
| Training Release 2 | Field Enumeration Training |

Summary of Activities (last 30 days)

In support of the Systems Engineering and Integration (SE&I) operation, staff incorporated comments received on version 2 of the 2020 Census Solution Architecture document, the 2020 Census Architecture Transition Plan (ATP), and 2020 Census Integration and Implementation Plan (IIP) to support the Congressional hearings.

Census/Survey Engineering

Summary of Activities (last 30 days) cont'd

In support of the Content and Forms Design (CFD) operation, staff finalized the 2020 Detailed Operational Plan for the Content and Forms Design operation and started review of the 2020 Topics Submission document to Congress.

In support of Language Services, staff finalized the 2020 Detailed Operational Plan for the Language Services Operations, began mapping out the 2020 Census Language Support Plan (due in FY 2017), and initiated a proof of concept for language assistance guides for the 2020 Census.

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 2020 Census Test and Evaluation Management Plan (TEMP) to the Decennial PMGB for baselining.
2. Conduct the Production Readiness Review (PRR) for the BAS Part 2/LUCA Geographic Update Partnership Software (GUPS) Release.
3. Conduct the Test Readiness Reviews (TRRs) for Release G for the Voting Districts GUPS Release.

Content and Forms Design

1. Conduct further review of the 2020 Census topics documentation (by law, due to Congress by March 31, 2017).

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, 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 updated and submitted as final after executive review.

In support of the LUCA operation, staff completed a table review of all OMB presubmission materials. GEO ADCs are reviewing and approving OMB presubmission materials. Staff started to identify and collect requirements for the Production Control System (PCS). Staff completed and released an informational LUCA flyer for LUCA partners, as well as, the 2020 Census LUCA Detailed Operational Plan.

In support of the Address Canvassing operation, staff evaluated 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). Analysis of the evaluation is complete and the report is in review by GEO management.

The 2020 Census In-Office Address Canvassing Interactive Review production continues, and is meeting the expected production goals. The clerks have reviewed 5,715,611 blocks during Interactive Review from the beginning of production in September 2015 through September 30, 2016. One hundred nineteen staff are working IR in production and fifteen are performing QC. 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 September 30, 2016, 74.9 percent of the blocks were classified as Passive, 15.7 percent were classified as Active, and 9.4 percent were classified as On Hold.

The 2020 Census In-Office Address Canvassing Active Block Resolution (ABR) production began at headquarters on April 19, 2016. Active Block Resolution was conducted at headquarters to prove in the procedures and the operation began at the National Processing Center (NPC) in July 2016. The staff have reviewed 36,746 blocks from the beginning of production through September 30, 2016. One hundred eleven staff are working ABR in production and twenty-one are performing QC.

Frame

Summary of Activities (last 30 days) cont'd

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

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

As of September 30, 2016, 65.6 percent of the blocks were classified as Resolved, 15.7 percent were classified as Sent to Field, 0.4 percent were classified as needing additional group quarters research, and 18.3 percent were classified as On Hold.

The MAF Coverage Study began listing the 18,500 tabulation blocks selected for Fiscal Year 2016. As of September 30, 2016, the MAF Coverage Study field representatives have completed all 18,500 of the 18,500 tabulation block assignments, which met the expected production goal.

The MAF Update for the FY 2016 MAF Coverage Study began on August 8, 2016. The results of that update were sent to DSSD, and analysis began on August 15, 2016. The sample for the FY 2017 Study was drawn and delivered to Field Division on September 23, 2016.

Look Ahead (next 60 days)

Geographic Programs

1. In Office Address Canvassing will continue to prioritize the test site areas for resolution.

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. Baseline requirements for LUCA early Address Count List
 - d. Obtain Census Deputy Director Approval on LUCA OMB presubmission package
 - e. Identify and collect LUCA Production Control System (PCS) requirements

Address Canvassing

1. Prepare the OMB Presubmission Package for the 2020 Census In-Office Address Canvassing operation.
2. Evaluate the MAF Coverage Study FY 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, staff held a kickoff meeting and Census 101 sessions with the selected integrated communications contractor, Team Y&R, which includes the prime contractor Y&R and the 17 subcontracting agencies. The 2020 Census IPC Detail Operation Plan was in final review.

In support of the Update Enumerate (UE) operation, the staff aligned 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.

In support of the Group Quarters (GQ) operation, the team finalized the standard record layout templates for the Individual Census Report (ICR), Military Census Report (MCR), and Shipboard Census Report (SCR) in support of the Electronic Response (eResponse) Data Independent Test, formerly known as the Electronic Administrative Records (eAdRec) Independent Test.

The Puerto Rico Group Quarters Electronic Transfer Capability Survey was completed on September 30, 2016. The purpose of this survey was to enable the Census Bureau to learn the availability of electronic administrative records and the ability of Puerto Rico Group Quarter administrators to send those records directly to the Census Bureau.

In support of the Nonresponse Followup (NRFU) operation, staff aligned operational changes made for the 2017 Puerto Rico Census Test to the 2018 End-to-End Census Test.

In support of the Response Processing operation (RPO), staff has completed the proposed final drafts of the 2020 Census RPO business process models, activity tree diagrams, and context models for input to final development of the 2020 Census Detailed Operational Plan.

Look Ahead (next 60 days)

Integrated Partnership and Communications

1. Team Y&R will visit the regional offices to learn about each region, their issues and challenges, and where they need help regarding the communication and partnership support efforts.
2. Baseline the 2020 Census IPC Detailed Operational Plan.

Response Data

Look Ahead (next 60 days) cont'd

Update Enumerate

1. Begin writing the 2020 Census Detailed Operational Plan for the UE operation.
2. Begin planning for the 2020 Census Remote Alaska operation.

Group Quarters

1. Review and finalize the 2016 Service Based Enumeration (SBE) Census Test Analysis Report.
2. Begin eAdRec portal systems testing and user acceptance testing.
3. Receive eAdRec portal authorization to operate (ATO).

Nonresponse Followup

1. Baseline the 2020 Census Nonresponse Followup Detailed Operational Plan.
2. Begin efforts to develop additional detail and refinements related to the NRFU operational 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 a 2020 Census RDP kickoff meeting in Honolulu, Hawaii bringing the total number of states visited to 22. 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 1,145 counties submitting changes. All submitted counties have been inserted by the Geography Division into the Master Address File/Topologically Integrated Geographic Encoding and Referencing (MAF/TIGER) system.

Look Ahead (next 60 days)

Redistricting Data Program

1. Continue the 2020 Census RDP kickoff meetings.
2. Begin migration of the Redistricting Data Program website to the new platform.
3. Generate state BBSP disposition reports and provide to the states in advance of BBSP verification.
4. Provide Geography Division with Customer Requirements Documents (CRDs) for Phase 2 of the Redistricting Data Program and for the products to be issued from the 2018 End-to-End Census Test.

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 and Coverage Measurement Design and Estimation teams recently completed the baseline of 2018 Census Test and 2020 Census Business Process Model and requirements for the Coverage Measurement (CM) Program. This includes all requirements for the design, processing, software development and implementation of CM survey design, sampling and subsampling operations and the systems for estimation of census coverage and dissemination of results. The CM teams also participated in the Schedule Review the 2018 End-to-End Census Test.

In support of the Evaluation and Experiments operation and the development of a vision for the 2030 Census, Staff received 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.

Staff also supported a session with the National Academies of Sciences to collect their input on the 2030 Census and potential experiments to conduct as part of the 2020 Census.

Staff also conducted additional 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. Produce first drafts of Sampling Research reports.
2. Update high level design requirements for 2020 CM operations.

Coverage Measurement Field Operations and Matching

1. Start development of detailed requirement specifications for the system(s) to be used to assist Coverage Measurement (CM) clerical matchers on the matching of CM survey and census housing units and people living in housing units.

Evaluations and Experiments

1. Conduct final sessions with the DROM to review and discuss the research/study plans for the 2017 Census Test and the 2017 Puerto Rico Census Test.

Infrastructure

Description

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

Summary of Activities (last 30 days)

In support of the Field Infrastructure operation, Atlanta, Georgia, and Chicago, Illinois, received kits in support of the Address Canvassing Test on August 29, 2016. The remaining Privacy Notices were shipped to Atlanta, Georgia, and Chicago, Illinois, on September 16, 2016.

In support of the IT Infrastructure operation, the Decennial Devices as a Service (dDaaS) Team has begun acquisition planning for the 2020 Census. The team has begun developing the dDaaS request for proposal (RFP) for the 2020 Census.

Look Ahead (next 60 days)

Decennial Service Center

1. Train analysts to process security incident calls.

Field Infrastructure

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

IT Infrastructure

1. Cloud
 - a. Present recommendations for network connectivity solutions into the Cloud to support larger, dedicated, private, and more stable connections back to Bowie Computer Center for 2020 Census and enterprise deployments.
 - b. Begin public cloud deployments for Enterprise Development Integration and Testing Environment (EDITE) and Community TIGER in Amazon East. This would support any 2020 Census capabilities that can take advantage the AWS East/West regions versus those that require GovCloud for development, innovation, and experimentation.
 - c. Complete Cloud Performance Test Strategy. The strategy directly supports 2020 Census Cloud testing.
2. Mobile
Release dDaaS RFP for 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 quarterly meetings of the National Academy of Sciences (NAS) Standing Committee on the 2020 Census on September 7-9, 2016.
2. Briefed the Department of Commerce on the preliminary results of the 2015 National Content Test research on Race and Ethnicity on September 7, 2016.
3. Presented an update on the future of data dissemination at the U.S. Census Bureau to the Association of National Census and Statistics Director of America, Asia, and the Pacific on September 9, 2016.
4. Briefed the OMB Office of Information and Regulatory Affairs on the preliminary results of the 2015 National Content Test research on Race and Ethnicity on September 14, 2016.
5. Participated in and presented at the fall Census Scientific Advisory Committee meeting on September 15-16, 2016.
6. Participated in the Census 101 training sessions for the integrated communications contractors on September 19-20, 2016.
7. Participated in the Regional Director's meeting on September 23-24, 2016.
8. Participated in the Population Association of America Committee on Population Statistics (COPS) Meeting on September 30, 2016.
9. Presented at the United Nations Economic Commission for Europe Conference on European Statistics in Geneva, on September 26-27, 2016.
10. Participated in the fall meeting of the Federal State Cooperative for Intercensal Estimates on September 26-28, 2016.
11. Participated 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.
12. Participated in the following State Data Center meetings:
 - a. Helena, Montana, on September 14-15, 2016.
 - b. Phoenix, Arizona, on September 15, 2016.
13. Received pre-entrance meeting document/data request from GAO regarding their upcoming entrance meeting for their 2018 End-to-End Census Test engagement.
14. GAO released their final report on CEDCAP and the 2020 Census: "GAO-16-623, Information Technology: Better Management of Interdependencies between Programs Supporting 2020 Census Is Needed."
15. Staff delivered the formal action plan to GAO and oversight committees in response to recommendations in GAO report on cost estimation: "GAO-16-628, 2020 Census: Census Bureau Needs to Improve Its Life-Cycle Cost Estimating Process."

Oversight & Stakeholder Engagement

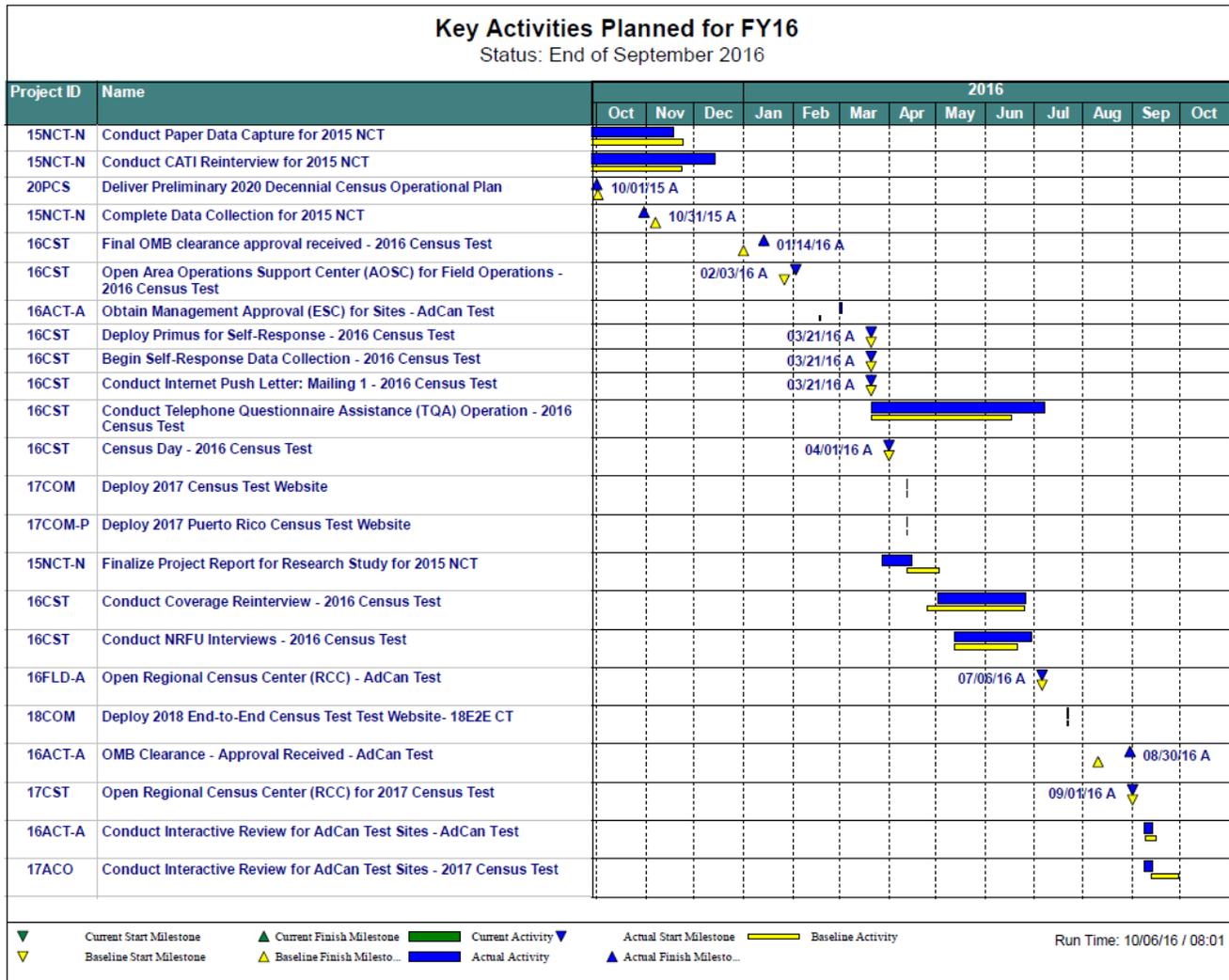
Summary of Activities (last 30 days) cont'd

16. Participated in teleconferences with the Census Bureau National Advisory Committee Language Working Group to discuss preliminary plans for the 2020 Census Language Support Plan.

Look Ahead (next 60 days)

1. Participate in a virtual public meeting with the National Advisory Committee on the preliminary results of the 2015 National Content Test research on Race and Ethnicity on October 3, 2016.
2. Participate in a virtual public meeting with the Census Scientific Advisory Committee on the preliminary results of the 2015 National Content Test research on Race and Ethnicity on October 6, 2016. Participate in the following Tribal Consultations:
 - a. Miccosukee Tribes of Florida, Miami, Florida, on October 5, 2016.
 - b. Shoshone Bannock, Fort Hall, Idaho, on October 20, 2016.
3. GAO will hold their entrance meeting for the 2018 End-to-End Census Test engagement on October 7, 2016.
4. Present at the International Census Forum in New Zealand on October 25-28, 2016.
5. Conduct the 2020 Census Program Management Review on October 28, 2016.
6. Participate in the fall National Advisory Committee meeting on November 3-4, 2016.
7. Action Plan for the GAO final report, Information Technology: Better Management of Interdependencies between Programs Supporting 2020 Census is due to GAO and oversight committees by November 7, 2016.

Program Schedule Metrics Research & Testing



Explanations for Project Start/Finish Delays

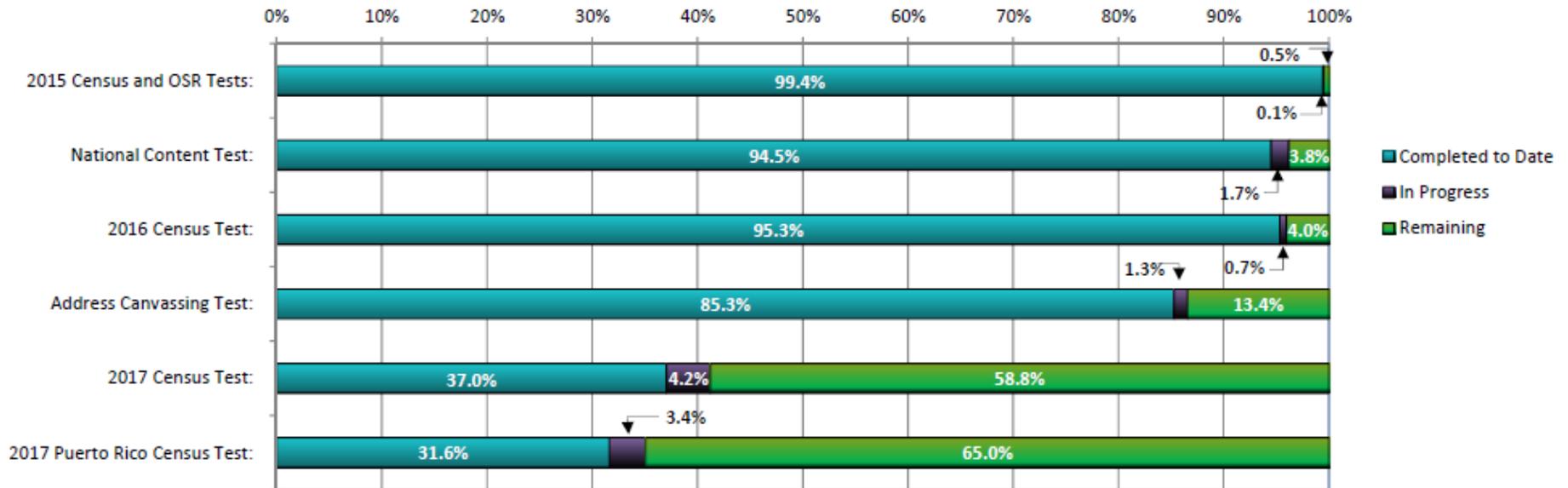
Activity 16ACT-A: "OMB Clearance – Approval Received – AdCan Test"

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. The clearance package was delivered on August 30, 2016. In order to mitigate any impact on the test schedule, staff have developed a strategy to ensure that printed materials are updated, printed, and shipped to the regional census centers involved in the Test within eight calendar days of receiving the clearance. No impact foreseen at this time on the overall finish date for the Test.

Program Schedule Metrics Research & Testing

Status of Census Tests through September 2016

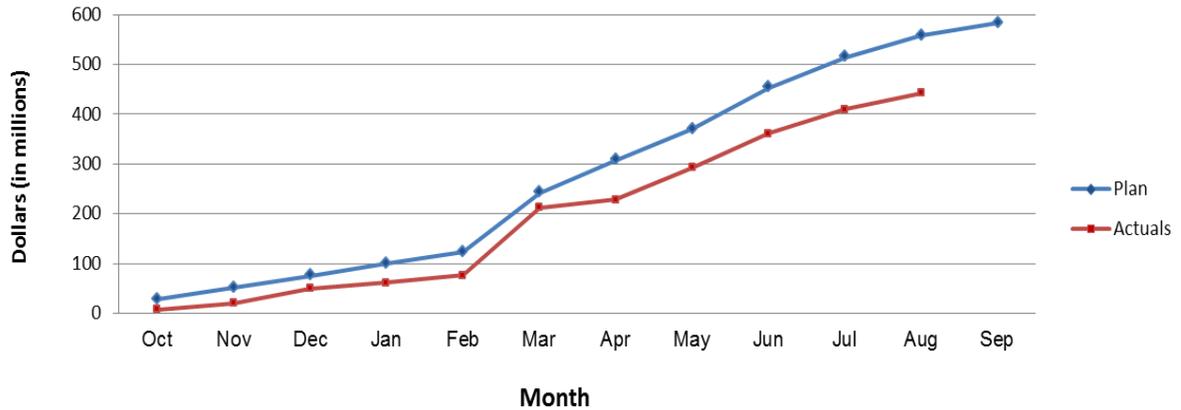
Status of Current Census Tests Activities as of October 14, 2016



| | Total Activities | Completed to Date | In Progress | Remaining |
|-------------------------------|------------------|-------------------|-------------|-----------|
| 2015 Census and OSR Tests: | 2989 | 2972 | 3 | 14 |
| National Content Test: | 1181 | 1116 | 20 | 45 |
| 2016 Census Test: | 1902 | 1813 | 12 | 77 |
| Address Canvassing Test: | 625 | 533 | 8 | 84 |
| 2017 Census Test: | 2235 | 828 | 93 | 1314 |
| 2017 Puerto Rico Census Test: | 3114 | 985 | 107 | 2022 |

Program Budget / Costs as of August 31, 2016

FY 2016 Cumulative Budget Actuals vs. Plan



| | August Cum Plan | August Cum Actuals | August Cum Variance | % Variance |
|--------------------|----------------------|----------------------|----------------------|--------------|
| GRAND TOTAL | \$558,289,139 | \$442,244,069 | \$116,045,070 | 20.8% |

At the end of August, the \$116.0M variance in the 2020 Census program consisted of \$37.9M in salaries and \$78.1M in other objects. The salary variance was mostly due to delays in filling vacancies. We are working with the Human Resources Division 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 do not believe the delays will significantly affect our ability to stay on schedule and complete planned activities.

| | | | | |
|------------------------------|---------------|--------------|--------------|-------|
| R1 Program Management | \$144,741,643 | \$87,606,687 | \$57,134,956 | 39.5% |
|------------------------------|---------------|--------------|--------------|-------|

The variance in this area consists of \$1.9M lower than expected costs in salaries and \$55.2M lower than expected costs in other objects. The salary variance is due to delays in filling vacancies. We are working with HR to get the positions filled by the end of the year. In anticipation of a decision in late FY 2016 to define the platform for developing enterprise and 2020 Census IT systems, we set aside funding for the technical integration of these IT systems. The technical integration support is critical to the systems development, integration and other time-sensitive preparations for the 2018 End-to-End Census Test. There is no impact to the program as we expect this obligation to occur in the fourth quarter.

Program Budget / Costs as of August 31, 2016

| | | | | |
|--|--------------|--------------|-------------|-------|
| R2 Census/Survey Engineering | \$30,176,955 | \$27,843,015 | \$2,333,940 | 7.7% |
| <p>The variance in this area consists of \$1.3M lower than expected costs in salaries and \$1.0M lower than expected costs in other objects. The salary variance is due to delays in filling vacancies both at Headquarters and the Regional Offices. The other objects variance is due to a delay in obligating the Language support contract to find ways to tailor and improve messages with non-English speakers, conduct focus groups in English and six other languages. There is no impact to the program as we expect the contract to occur in September.</p> | | | | |
| R3 Frame | \$74,943,291 | \$66,454,061 | \$8,489,230 | 11.3% |
| <p>The variance in this area consists of \$7.2M lower than expected costs in salaries and \$1.3M lower than expected costs in other objects. The majority of the salary variance is due to delays in filling vacancies. We are working with Human Resources to get these positions filled by the end of the year. The majority of the other objects variance is due to a delay in obligating the purchase of hardware to support In-Office Address Canvassing. There is no impact to the program as these funds are expected to be obligated in September.</p> | | | | |
| R4 Response Data | \$51,749,981 | \$46,250,474 | \$5,499,507 | 10.6% |
| <p>The variance in this area consists of \$4.6M lower than expected costs in salaries and \$0.9M lower than expected costs in other objects. The salary variance is due to delays in filling vacancies. We are working with Human Resources 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 2020 Census Questionnaire contract. There is no impact to the program as we expect the Communications contract to be obligated in September.</p> | | | | |
| R5 Published Data | \$36,148,973 | \$30,493,449 | \$5,655,524 | 15.6% |
| <p>The variance in this area consists of \$1.6M lower than expected costs in salaries and \$4.1M lower than expected costs in other objects. The salary variance is due to delays in filling vacancies. We are working with Human Resources 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 September.</p> | | | | |

Program Budget / Costs as of August 31, 2016

| | | | | |
|--|---------------|---------------|--------------|-------|
| R6 Test and Evaluation | \$110,181,944 | \$80,897,716 | \$29,284,228 | 26.6% |
| <p>The variance in this area consists of \$13.0M lower than expected costs in salaries and \$16.3M lower than expected costs in other objects. The salary variance is due to delays in filling vacancies and to lower scope of work than planned and to inaccurate annual budget plans in NPC. First, there were delays in hiring the Regional Census Center staff because of the delays in the CHEC process. Second, due to the uncertainty of the work, the National Processing Center 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 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 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 September.</p> | | | | |
| R7 Infrastructure | \$110,346,352 | \$102,698,667 | \$7,647,685 | 6.9% |
| <p>The variance in this area consists of \$8.3M lower than expected costs in salaries and (\$0.7M) higher than expected costs in other objects. The salary variance is due to delays in filling vacancies and lower scope of work than originally anticipated. The other objects variance is due to obligating the PEARSIS contract earlier than planned. There is no impact to the program as the funds are available in September, when the work will take place.</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-010 | Enterprise IT Solutions | M | M | ↔ | 3 | 4 |
| 6 | LC-036 | Operations and Systems Integration | M | M | ↔ | 3 | 4 |
| 7 | LC-038 | Adequate Testing of Quality Control Procedures | M | M | ↔ | 3 | 4 |
| 8 | LC-042 | Late Operational Design Changes | M | M | ↔ | 3 | 4 |
| 9 | LC-011 | Acquisition Lead Time | M | M | ↔ | 3 | 3 |
| 10 | LC-037 | Human Capital Management | M | M | ↔ | 3 | 3 |
| 11 | LC-043 | Cloud Implementation | M | M | ↔ | 3 | 3 |
| 12 | LC-044 | Systems Scalability | M | M | ↔ | 3 | 3 |
| 13 | LC-045 | Major Disasters | 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-021 | Schedule Impacts | M | M | ↔ | 2 | 4 |
| 21 | LC-022 | Technological Innovations Surfacing After Design Is Finalized | M | M | ↔ | 2 | 4 |
| 22 | LC-027 | IT Security Controls | M | M | ↔ | 2 | 4 |
| 23 | LC-029 | Contract Management | M | M | ↔ | 2 | 4 |
| 24 | LC-004 | ACS Funding and Integration | M | M | ↔ | 1 | 5 |
| 25 | LC-016 | Policy Impacts | L | L | ↔ | 2 | 3 |
| 26 | LC-023 | Inconclusive Data | L | L | ↔ | 2 | 3 |
| 27 | LC-018 | Trade Agreement Act Compliance | L | L | ↔ | 2 | 2 |

Risk Trend
↑
Improving
↔
No Change
↓
Worsening

Program-Level Life Cycle Risks



LC-031_Delay In Quality Control Testing: This risk was closed and the concerns about quality control testing were incorporated into LC-038_Adequate Quality Control Testing.

LC-038_Adequate Quality Control Testing: The risk name was changed from “Data Quality” to its current name to better reflect the updated Risk Statement that is now focused on the need for adequate testing of quality control procedures prior to implementation in order to ensure that quality control methods are effective enough to meet the established levels of quality for the 2020 Census data.

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 Censuses 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 |
| GAO | <i>Government Accountability Office</i> |
| GPO | <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.**