

2020 Census

December 2016

Monthly Status Report

All information in this report is as of December 31,
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	8
2017 Census Test.....	10
2018 End-to-End Census Test.....	13
2015 Optimizing Self-Response Test.....	18
2015 Census Test.....	19
2015 National Content Test	20
Status of Major 2020 Census Operations	22
Census/Survey Engineering.....	28
Frame.....	31
Response Data.....	34
Publish Data.....	36
Test and Evaluation	37
Infrastructure	39
Additional Updates	41
Oversight & Stakeholder Engagement.....	42
Program Schedule Metrics Research & Testing	43
Program Budget/Costs as of November 30, 2016	45
Program-Level Life Cycle Risks	48
Appendix	50
Acronyms.....	51

Key Program Updates

Address Canvassing Test

- The Regional Census Center debriefings on the Address Canvassing Test were held on December 1, 2016.

2017 Census Test

- The Federal Register Notice for the full Office of Management and Budget (OMB) Paperwork Reduction Act Clearance Package was published on December 1, 2016.
- The Enterprise Data Model supporting the 2017 Census Test was submitted for baselining.
- The facility security assessment of the Sandy, Utah, Census Questionnaire Assistance Center was conducted.
- The content of all mail materials was finalized.
- The Non-English translations of materials to be used by Census Questionnaire Assistance staff were received. Materials have been translated into six languages: Arabic, simplified Chinese, Korean, Russian, Spanish, and Vietnamese.
- Enterprise Censuses and Surveys Enabling (ECaSE) and Real-Time Non-ID Processing (RTNP) applications were installed in the approved Amazon Web Service (AWS) GovCloud.

2018 End-to-End Census Test

- Early Operations Recruiting kits were sent to the Regional Census Centers on December 2, 2016.
- The Technical Integrator (TI) delivered version 3 of the 2020 Census Architecture Transition Plan to support the Test.
- 2018 End-to-End Census Test Address Canvassing Recruiting Assistants (RA) recruiting began in Los Angeles (December 7, 2016), New York (December 12, 2016), and Philadelphia (December 15, 2016).

2020 Census Operations

- The TI delivered the 2020 Performance Test Strategy document.
- Staff completed descriptions of subjects to be proposed for the 2020 Census (by law, due to Congress by March 31, 2017) and began briefing internal stakeholders.
- As of December 31, 2016, 67.6 percent of the blocks that have been completed through Active Block Resolution were classified as Resolved, 23.8 percent were classified as sent to field, 0.3 percent were classified as needing additional group quarters research and 8.3 percent were classified as On Hold.
- The Master Address File (MAF) Update for the Fiscal Year 2017 MAF Coverage Study began on October 3, 2016. As of December 31, 2016, 5,588 of the 20,000 blocks in the FY17 sample were completed.
- The 2020 National Partnership Program plan was developed for internal review.
- Staff completed the final version of the 2020 Detailed Operational Plan for Paper Data Capture and submitted it for Executive Review.

Key Program Updates Cont'd

- The Redistricting Data Program (RDP) engaged in the following activities:
 - In conjunction with the Population Division, presented the results and recommendations from the 2015 National Content Test to the National Conference of State Legislatures on December 8, 2016.
 - Discussed the history of the Census Redistricting Data Program at the Indiana State Data Center 40th Anniversary celebration on December 12, 2016.
 - Completed delivery of the verification materials for Phase 1 of the 2020 Census RDP, the Block Boundary Suggestion Project (BBSP). These materials included participant guides, software, data DVDs, and a quick start guide.
- The final decennial Device as a Service (dDaaS) Request for Proposal (RFP) for the 2020 Census was released. The technical exchange meetings with “down selected” vendors for the dDaaS contract were conducted. Anticipate proposals from vendors on December 23, 2016, with an award planned for March 2, 2017.

2030 Planning

- In support of the Evaluation and Experiments (EAE) operation, briefed decennial executive leadership on proposed 2030 Census research guiding principles and high-level research targets, and on suggested criteria for assessing proposed 2020 Census research topics and questions.

Oversight

- The Government Accountability Office (GAO) sent their draft report on the 2016 Census Test for official comments by the Department of Commerce. The Census Bureau now is preparing the response; due to the GAO by January 17, 2017.

Status of Major Tests

2016 Census Test

Description

The 2016 Census Test was an operational study of both self-response and nonresponse followup procedures. The self-response objectives included 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 included 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 included 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 utilized Census Enterprise Data Collection and Processing (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 continued 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 Office of Management and Budget (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, Texas, AOSC opened January 25, 2016; Los Angeles, California, 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)

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

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

Summary of Activities (last 30 Days)

Staff are performing data analysis and preparing analysis reports. These activities will continue over the coming months.

Integrated Partnership and Communications

The Regional Census Center completed the documentation of the field debriefings by December 1, 2016.

Non-ID Processing

Briefed the Decennial Research Objectives and Methods working group on the draft report regarding the results of the recollection of response data from a sample of Non-ID responders on December 12, 2016.

Coverage Reinterview

Conducted additional analysis of the reinterview data based on feedback from the Decennial Research Objective and Methods (DROM) Group.

Look Ahead (next 60 Days)

Non-ID Processing

Deliver draft report regarding the analysis of matching and geocoding results from automated and manual processing. Team and stakeholder reviews will be conducted during January and February, with updates occurring after each review period. The draft report will be briefed at DROM in early March.

Nonresponse Followup

Review and revise draft of the NRFU Operational Assessment Report.

Coverage Reinterview

1. Align analysis results of the 2016 Census Test reinterview data with results from previous testing based on feedback from DROM.
2. Prepare a draft report.

Address Canvassing Test

Description

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

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

Key Activities

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

Deliver Office of Management and Budget (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 16, 2016)

Begin Field Representative Training – September 26, 2016 (began on September 26, 2016; completed on September 30, 2016)

Conduct In-Field Address Canvassing Data Collection – September 30, 2016 – November 15, 2016 (began on September 30, 2016, completed on November 10, 2016)

Conduct In-Field Address Canvassing Re-Listing Data Collection – November 16 – December 16, 2016 (began on October 21, 2016 and completed November 23, 2016)

Release Address Canvassing Test Analysis Report – April 29, 2017

Address Canvassing Test

Summary of Activities (last 30 Days)

Address Canvassing Operation

The Regional Census Center debriefings were held on December 1, 2016. Independent testing of the MAF update software was completed on December 1, 2016. MAF/Tiger provided the Address Canvassing Transaction file, with address updates from the 2016 Address Canvassing Test, was delivered on December 19, 2016 so data analysis of the Test could begin.

Decennial Service Center

Provided Lessons Learned report to Decennial Management.

Geographic Programs

Delivered the Test Schema MAF Extract from the In-Field Address Canvassing on December 19, 2016.

Look Ahead (next 60 Days)

Address Canvassing Operation

Complete the update of the MAF with the results of the in-field listing activities. The updates to the MAF are being done in the “test schema” portion, or copy, of the MAF; the extract is coming from this copy.

Geographic Programs

The MAF extract from In-Field Address Canvassing Relisting will be delivered on January 12, 2017. The updates to the MAF are being done in the “test schema” portion, or copy, of the MAF; the extract is coming from this copy.

Decennial Service Center

Close out Address Canvassing Operation support.

2017 Census Test

Description

Pursuant to 2020 Census Program Memorandum 2016.21, the scope of the 2017 Census Test was reduced due to Fiscal Year 2017 funding uncertainty. As a result, the 2020 Census Program will not conduct the 2017 field testing operations in the Standing Rock Reservation in North Dakota and South Dakota and the Colville Reservation and Off-Reservation Trust Land in Washington state. We cancelled field testing planned for three areas in Puerto Rico. These field testing sites will be considered for potential inclusion in the 2018 End-to-End Census Test.

Based on the revised scope, the 2017 Census Test now consists of a nationwide self-response test. It still will allow the Census Bureau to test the feasibility of collecting tribal enrollment information. We will oversample areas with relatively high populations of American Indians and Alaska Natives as a mechanism for testing potential tribal enrollment questions.

Key Activities

Publish Presubmission Federal Register Notice – July 26, 2016 (published on August 8, 2016)
Deliver Office of Management and Budget (OMB) Paperwork Reduction Act Clearance Package – October 28, 2016 (delayed due to adjustment in scope affecting the contents of the package) (completed on November 17, 2016)
Receive OMB Paperwork Reduction Act Approval – December 30, 2016
Conduct Census Questionnaire Assistance (CQA) – March 20 – May 12, 2017 (changed as a result of scope adjustment)
Conduct Self-Response, Including Non-ID Processing – March 20 – May 12, 2017 (changed as a result of scope adjustment)
Census Day – April 1, 2017

Summary of Activities (last 30 Days)

Program Management

The Federal Register Notice for the full OMB Paperwork Reduction Act Clearance Package was published on December 1, 2016.

Systems Engineering and Integration

Staff submitted the Enterprise Data Model supporting the 2017 Census Test for baselining.

Census Questionnaire Assistance

1. Began development of the CQA and Internet data collection instrument single sign on (user authentication). This will streamline collection of census response data over the phone.
2. Conducted the facility security assessment of the Sandy, Utah, Census Questionnaire Assistance center.

Internet Self-Response

Development teams continue work on Internet Self-Response (ISR) components in order to be ready for March data collection. Work on a test plan for instrument testing has begun.

2017 Census Test

Summary of Activities (last 30 Days) cont'd

Non-ID Processing

Delivered draft procedures for manual Non-ID Processing (interactive matching and geocoding) for team review on December 21, 2016.

Forms, Printing and Distribution

The print vendor's "prior to production" sample envelopes and questionnaires have been evaluated by the Census Bureau and Government Printing Office, and delivered to iCADE to support testing.

Paper Data Capture

Completed UTS reporting requirements. Identified two new risks and updated risks associated with 2017 in order to meet the new risk register format.

Content and Forms Design

Finalized the content of all mail materials.

Language Services

Received non-English translations for use by the 2017 Census Questionnaire Assistance staff. CQA will have support in Spanish, Chinese, Korean, Vietnamese, Arabic, and Russian.

Look Ahead (next 60 Days)

Program Management

1. Finalize the 2017 Census Test Plan.
2. Participate in the Operational Readiness Review (ORR) for Release C Part 1 (self-response functionality) for printing and mailing.

Systems Engineering and Integration

1. Conduct the final Test Readiness Review (TRR) for CQA and ISR supporting the Test.
2. Conduct the Production Readiness Review (PRR) for Release C Part 1 (self-response functionality) for printing and mailing.

Paper Data Capture

1. Finalize 2017 checkout procedures.
2. Determine how to validate "80 percent automation" requirement.

Non-ID Processing

1. Participate in user acceptance testing for the Internet Self-Response instrument, focusing on the Non-ID functionality at the beginning of the instrument.
2. Deliver draft procedures and training materials for team review for other components of the 2017 Clerical Non-ID operation, including Quality Control and Office-Based Address Verification.

2017 Census Test

Look Ahead (next 60 Days) cont'd

Forms, Printing and Distribution

Complete postal review of questionnaire mailing packages.

Census Questionnaire Assistance

CQA addressing the Office of Information Security (OIS) requirements in pursuit of the Authority to Operate (ATO) needed prior to the go live date of March 20, 2017.

IT Infrastructure

Determine which, if any, field offices from the 2017 Tests will remain open in support of the 2018 End-to-End Census Test. Appropriate any equipment for use in the 2018 End-to-End Census Test.

Content and Forms Design

1. Finalize all mail materials that do require an Office of Management and Budget (OMB) number.
2. Create print files for all mail materials.
3. Finalize instrument specifications for Internet self-response and census questionnaire assistance. In other words, ensuring that the specification matches the final screens in the Internet instrument and the census questionnaire assistance instrument.

2018 End-to-End Census Test

Description

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

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

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

Analysis will continue about the cost and feasibility of expanding test scope to take in the Puerto Rico test site from the descope 2017 Puerto Rico Census Test, and the two tribal test sites that were descope from the 2017 Census Test.

Key Activities

Publish Paperwork Reduction Act Presubmission Federal Register Notice for Early Operations – October 7, 2016 (published on October 19, 2016)

Conduct In-Office Address Canvassing – November 16, 2016 – February 2, 2017 (started on September 26, 2016)

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

Publish Post Enumeration Survey (PES) Independent Listing Paperwork Reduction Act

Presubmission Federal Register Notice – January 5, 2017 (published on December 28, 2016)

Deliver Office of Management and Budget (OMB) (Paperwork Reduction Act) Clearance Package for Early Operations – January 24, 2017

Receive OMB (Paperwork Reduction Act) Approval for Early Operations – March 27, 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 – March 1, 2017

Deliver PES Independent Listing OMB (Paperwork Reduction Act) Clearance Package – April 17, 2017

Publish PES Initial Housing Unit Followup Paperwork Reduction Act Presubmission Federal Register Notice – April 20, 2017

Publish PES Person Interview Paperwork Reduction Act Presubmission Federal Register Notice – May 15, 2017

Receive OMB CM Independent Listing (Paperwork Reduction Act) Approval – June 19, 2017

Deliver OMB (Paperwork Reduction Act) Clearance Package for Peak Operations – July 21, 2017

Deliver PES Initial Housing Unit Followup OMB (Paperwork Reduction Act) Clearance Package – July 28, 2017

Deliver PES Person Interview OMB (Paperwork Reduction Act) Clearance Package – August 25, 2017

Receive OMB (Paperwork Reduction Act) Approval for Peak Operations – September 12, 2017

Receive OMB CM Initial Housing Unit Followup (Paperwork Reduction Act) Approval – September 29, 2017

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

Conduct In-Field Address Canvassing Listing Quality Control (QC) – August 21 – October 6, 2017

Begin Recruiting for Peak Operations – August 31, 2017

2018 End-to-End Census Test

Key Activities Cont'd

Begin Hiring Partnership Staff – October 11, 2017

Receive PES Person Interview OMB (Paperwork Reduction Act) Approval –October 27, 2017

Publish PES Person Followup Paperwork Reduction Act Presubmission Federal Register Notice – January 3, 2018

Conduct PES 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

Deliver PES Person Followup OMB (Paperwork Reduction Act) Clearance Package – April 11, 2018

Receive PES Person Followup OMB (Paperwork Reduction Act) Approval – June 11, 2018

Publish PES Final Housing Unit Followup Presubmission Federal Register Notice – April 11, 2018

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

Conduct UE Reinterview – April 19 – July 17, 2018

Conduct UE Listing QC – April 23 – May 23, 2018

Conduct PES Initial Housing Unit Followup and QC: May 2 – June 1, 2018

Conduct UE Followup – May 7 – July 13, 2018

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

Deliver PES Final Housing Unit Followup OMB (Paperwork Reduction Act) Clearance Package – July 19, 2018

Receive PES Final Housing Unit Followup OMB (Paperwork Reduction Act) Approval – September 18, 2018

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

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

Publish Prototype P.L. 94-171 Data and Support Products – no later than April 1, 2019

Summary of Activities (last 30 Days)

Decennial Logistics Management

1. Early Operations Recruiting kits were sent to the RCCs on December 2, 2016.
2. RCC Bulk Office Supply kits and Administrative RCC kits are being assembled at the National Processing Center (NPC).
3. Printing of Recruiting kits for Recruiting Assistants is complete. Kits are being assembled.

Decennial Service Center

Obtained hardware and software support requirements from Field Division.

2018 End-to-End Census Test

Summary of Activities (last 30 Days) cont'd

Recruiting, Training, and Onboarding

1. DAPPS Hands-On Training took place December 19 – 21, 2016.
2. Acquisition Strategy for the Learning Management System (LMS) was approved by the Program Lifecycle Investment Review Board (PLIRB) on December 12, 2016.

IT Infrastructure

The Field Office Information Technology (IT) Infrastructure team received 90 percent of all Regional Census Center equipment and 30 percent of all Area Census Office equipment. As equipment arrives, they continue to configure.

Program Management

1. Presented census test overview to the Decennial Program Management Governance Board on December 21, 2016.
2. Began drafting of OMB Paperwork Reduction Act Presubmission Federal Register Notice for Peak Operations.

Content and Forms Design

1. Began design of Group Quarters paper materials.
2. Finished gathering Nonresponse Followup (NRFU) requirements for the automated instrument.

Paper Data Capture

Updated PDC success criteria in test plan.

Non-ID Processing

Began drafting customer requirements documentation for Non-ID Processing software/systems solution providers. Delivery is scheduled for March, 2017.

Language Services

1. Received preliminary non-English translations of Internet and CQA instrument. The preliminary translations included Spanish, Chinese, Korean, Vietnamese, Arabic and Russian. They do not include all of the languages that will eventually be supported.
2. Requested Spanish translations for paper materials being created for Group Quarters Operations, NRFU automated instruments, and language identification card. Group Quarters and NRFU have requirements/user stories for Spanish, so those translations have been requested. Work is just starting on the Language Support Plan, which would officially list the languages supported for each operation.

Integrated Partnership and Communications

Reviewed and developed guidance document on logo usage.

2018 End-to-End Census Test

Summary of Activities (last 30 Days) cont'd

Nonresponse Followup

1. Submitted 2018 NRFU Contact Strategies to Response Processing Operation on December, 15, 2016
2. Submitted to development all user stories for Enterprise Censuses and Surveys Enabling (ECaSE) Enumeration on December 16, 2016.

Update Enumerate

1. Staff submitted ECaSE listing and enumeration user stories for the 2018 End-to-End Census Test.
2. Decided to test the process of leaving a paper questionnaire at nonresponding households in update/enumerate areas instead of a notice of visit with an Internet address and phone number. Agreed only to use the West Virginia test site, to manage it at the census tract level, and that it would apply to a random selection of half of the West Virginia census tracts in which update enumerate is conducted.

Systems Engineering and Integration

Conduct the Production Readiness Review (PRR) for Recruiting Release 1 supporting the Test. The systems involved in this release are now live. The primary systems that are included in the 2018 End-to-End Census Test Recruiting Release 1 are DAPPS, MAF/TIGER, UTS, and MOJO (Recruiting Dashboard). The support systems in the Release are CHEC, CBS, CHRIS, DSC, Desktop Services, ENS, and Sunflower.

Look Ahead (next 60 Days)

Program Management

1. Submit Office of Management and Budget (OMB) Paperwork Reduction Act Clearance Package for Early Operations to the Department of Commerce (DOC) by January 10, 2017, with posting of 30-Day Federal Register Notice to occur by January 24, 2017.
2. Complete drafting of OMB Paperwork Reduction Act Presubmission Federal Register Notice for Peak Operations, with draft completion in late January 2017.
3. Complete drafting of 2018 End-to-End Census Test Plan.

Decennial Logistics Management

1. Deliver Bulk Office Supply kits to RCCs January 2017.
2. Deliver admin kits to RCCs in January 2017.
3. Deliver admin kits to ACOs in March 2017.
4. Complete Peak Operations recruiting specifications, and deliver to NPC.

Decennial Service Center

Use support requirements to coordinate decennial service center analyst training.

Nonresponse Followup

1. Develop mitigation strategy for the risk of ECaSE Enumeration development.
2. Develop NRFU forms and mailing materials with Content and Forms Design
3. Develop requirements with ECaSE OSC Field for alerts and enumerator performance measures.

2018 End-to-End Census Test

Look Ahead (next 60 Days) cont'd

Content and Forms Design

1. Start gathering content and forms requirements for Internet Self-Response (ISR) and Nonresponse Followup (NFRU).
2. Finish designing paper materials for Group Quarters operations.
3. Baseline the 2018 Internet, Census Questionnaire Assistance, and Group Quarters automated instrument specifications

Language Services

Receive Spanish translations for paper materials being created for Group Quarters Operations, NFRU automated instruments, and for the language identification reference card.

Integrated Partnership and Communications

1. Finalize review of Peak Operations Recruiting Materials on January 4, 2017.
2. Begin development of Statistics in Schools Materials on January 6, 2017.
3. Begin development of the IPC Communications Plan on January 6, 2017.
4. Begin assessing data training needs for the test areas on January 23, 2017.
5. Begin development of Promotional Materials and Items, begin requirements gathering for 2018 promotional website, and develop first draft of the Study Plan by January 24, 2017.

Update Enumerate

1. Complete updates to the business process model.
2. Deliver ECaSE operation control system (OCS and internet self-response (ISR)) user story changes.
3. Deliver printing specification for preprinted IDs and barcodes on UE field materials

Geographic Operations

Start interactive review of the Type of Enumeration Area (TEA) assignments on January 26, 2017. Start interactive delineation of the Census Field Management areas, and Census Field Supervisor areas, on March 8, 2017.

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).

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

- Analysis of Non-ID Processing Results for the 2015 Optimizing Self-Response Test and the 2015 Census Test (Expected Completion January 10, 2017)
- 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 January 31, 2017)
- Non-ID Response Validation for 2015 Optimizing Self-Response Test (Expected Completion January 31, 2017)

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.

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

- ROCKiT Experimental Panel Test Results (Expected Completion February 28, 2017)

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)

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 Office of Management and Budget (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)¹
Complete Research and Analysis Reports – February 28, 2017

¹ The impact of extending the reinterview collection period for the National Content Test was primarily related to some increased costs for the interviewers to work more in order to increase the response rates. Impacts were low on data analyses.

2015 National Content Test

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 were rolled out to internal and external stakeholders in the fall of 2016.

Reports under Development/Review

- Race and Ethnicity (Expected Completion February 28, 2017*)
- Relationship (Expected Completion February 28, 2017*)
- Coverage (Expected Completion March 31, 2017)
- Analysis of Non-ID Processing Results (Expected Completion February 28, 2017*)

Reports Issued

- Evaluating the Decennial Census Call-In Option: Results from an interviewer debriefing of the 2015 National Content Test (formerly known as, 2015 National Content Test Telephone Questionnaire Assistance Centurion Instrument Interviewer Debriefing) (Completed October 5, 2016).
- The study plan for the race and ethnicity analysis was issued in the 2020 Census Memorandum Series on November 4, 2016.
- The 2015 NCT Optimizing Self-Response was issued in the 2020 Census Memorandum Series on November 23, 2016.

* Due to continuing resource issues, these reports have had their target dates changed to the end of February.

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 2.0 issued on October 28, 2016.

Completed or planned activities specifically supporting past or current Tests are reported on the relevant Test page (pages 6-21). Otherwise, they are reported on the relevant 2020 Census Operations page (pages 29-40).

Figure 1: Operational Overview by WBS

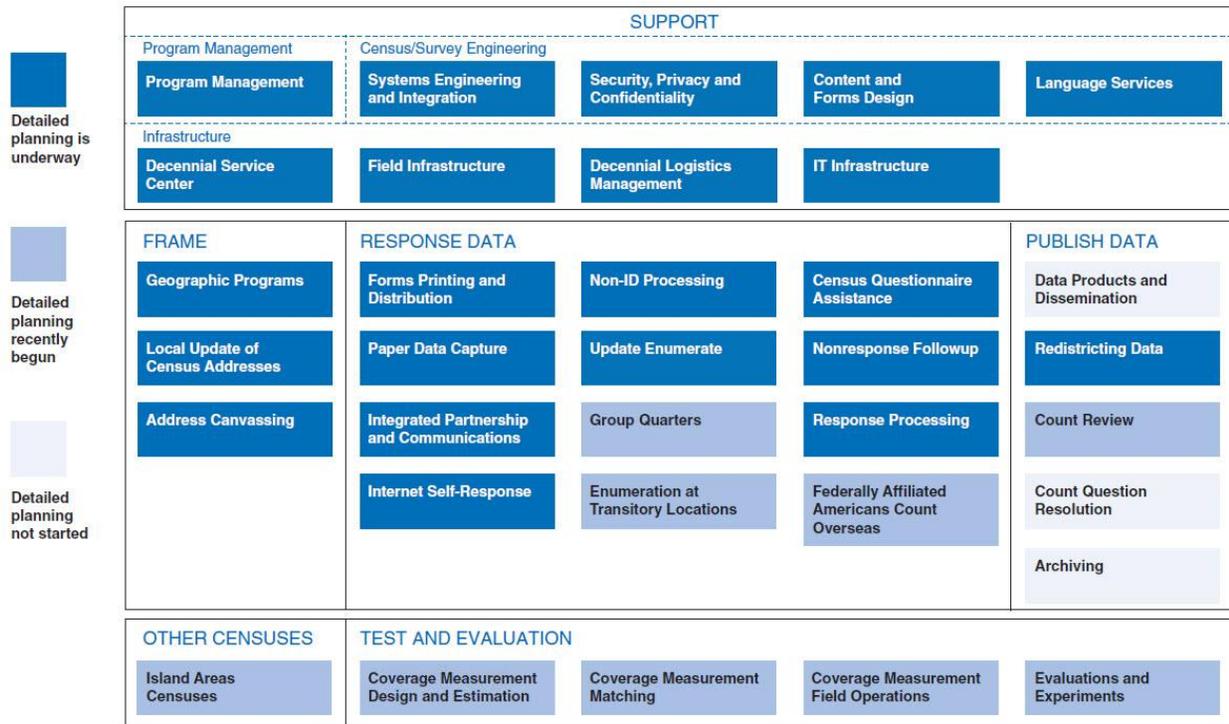


Table 1: 2020 Census Operations and Purpose

Operations	Purpose
Census/Survey Engineering	
Systems Engineering and Integration	The Systems Engineering and Integration operation (SEI) manages the delivery of a system of systems that meets 2020 Census Program business and capability requirements.
Security, Privacy, and Confidentiality	The Security, Privacy, and Confidentiality (SPC) operation ensures that all operations and systems used in the 2020 Census adhere to the following policies and regulations: <ul style="list-style-type: none"> • Appropriate systems and data security. • Respondent and employee privacy and confidentiality.
Content and Forms Design	The Content and Forms Design (CFD) operation performs the following activities: <ul style="list-style-type: none"> • Identify and finalize content and design of questionnaires and associated nonquestionnaire materials such as letters, postcards, brochures, envelopes, flashcards, and field materials. • Ensure consistency across data collection modes and operations, including (but not limited to) questionnaire content, help text, mailing materials, and field materials. • Provide the optimal design and content of the questionnaires to encourage high response rates.
Language Services	The Language Services (LNG) operation performs the following activities: <ul style="list-style-type: none"> • Assess and support language needs of non-English speaking populations. • Determine the number of non-English languages and level of support for the 2020 Census. • Optimize the non-English content of questionnaires and associated nonquestionnaire materials across data collection modes and operations. • Ensure cultural relevancy and meaningful translation of 2020 Census questionnaires and associated nonquestionnaire materials.
Frame	
Geographic Programs	The Geographic Programs (GEOP) operation provides the geographic foundation in support of the 2020 Census data collection and tabulation activities within the Master Address File/Topologically Integrated Geographic Encoding and Referencing (MAF/TIGER) System. The MAF/TIGER System (software applications and databases) serves as the national repository for all of the spatial, geographic, and residential address data needed for census and survey data collection, data tabulation, data dissemination, geocoding services, and map production. Components of this operation include: <ul style="list-style-type: none"> • Geographic Delineations. • Geographic Partnership Programs. • Geographic Data Processing.
Local Update of Census Addresses	The Local Update of Census Addresses (LUCA) operation provides an opportunity for tribal, federal, state, and local governments to review and improve the address lists and maps used to conduct the 2020 Census. This operation is required by the Census Address List Improvement Act of 1994 (Public Law (P.L.) 103-430).
Address Canvassing	The Address Canvassing (ADC) operation serves two purposes: <ul style="list-style-type: none"> • Deliver a complete and accurate address list and spatial database for enumeration. • Determine the type and address characteristics for each living quarter.

Operations	Purpose
Response Data	
Forms Printing and Distribution	<p>The Forms Printing and Distribution (FPD) operation prints and distributes the following paper forms to support the 2020 Census mailing strategy and enumeration of the population:</p> <ul style="list-style-type: none"> • Internet invitation letters. • Reminder cards or letters or both. • Questionnaire mailing packages. • Materials for other special operations, as required. <p><i>Other materials required to support field operations are handled in the Decennial Logistics Management or Field Infrastructure operations.</i></p>
Paper Data Capture	<p>The Paper Data Capture (PDC) operation captures and converts data from 2020 Census paper questionnaires. This operation includes:</p> <ul style="list-style-type: none"> • Mail receipt. • Document preparation. • Scanning. • Optical Character Recognition. • Optical Mark Recognition. • Key From Image. • Editing and checkout.
Integrated Partnership and Communications	<p>The Integrated Partnership and Communications (IPC) operation communicates the importance of participating in the 2020 Census to the entire population of the 50 states, the District of Columbia, and Puerto Rico to:</p> <ul style="list-style-type: none"> • Support Field recruitment efforts for a diverse, qualified Census workforce. • Engage and motivate people to self-respond, preferably via the Internet. • Raise and keep awareness high throughout the entire 2020 Census to encourage response. • Effectively support dissemination of Census data to stakeholders and the public.
Internet Self-Response	<p>The Internet Self-Response (ISR) operation performs the following functions:</p> <ul style="list-style-type: none"> • Maximize online response to the 2020 Census via contact strategies and improved access for respondents. • Collect response data via the Internet to reduce paper and NRFU.
Non-ID Processing	<p>The Non-ID Processing (NID) operation is focused on making it easy for people to respond anytime, anywhere to increase self-response rates. The operation accomplishes this by:</p> <ul style="list-style-type: none"> • Providing response options that do not require a unique Census ID. • Maximizing real-time matching of non-ID respondent addresses to the Census living quarters address inventory. • Accurately assigning nonmatching addresses to census blocks. • Conducting validation of all non-ID responses.

Operations	Purpose
Update Enumerate	<p>The Update Enumerate (UE) operation is designated to occur in geographic areas where the Census Bureau has identified unique challenges. UE combines listing methodologies with enumeration methodologies. In the UE operation, field staff update the address and feature data and enumerate respondents in person. The primary functions of UE include:</p> <ul style="list-style-type: none"> • Verifying and updating the address list and feature data for tabulation of the 2020 Census. • Determining the type and address characteristics for each living quarter. • Enumerating respondents at housing units within the UE geographic areas for which a 2020 Census response was not received. <p>UE can occur in geographic areas that:</p> <ul style="list-style-type: none"> • Do not have city-style addresses. • Do not receive mail through city-style addresses. • Receive mail at post office boxes. • Have been affected by natural disasters. • Have high concentrations of seasonally vacant housing. • Have unique challenges associated with accessibility.
Group Quarters	<p>The 2020 Census Group Quarters (GQ) Operation will:</p> <ul style="list-style-type: none"> • Enumerate people living or staying in group quarters. • Provide an opportunity for people experiencing homelessness and receiving service at a service-based location, such as a soup kitchen, to be counted in the Census.
Enumeration at Transitory Locations	<p>The Enumeration at Transitory Locations (ETL) operation enumerates individuals in occupied units at transitory locations who do not have a Usual Home Elsewhere. Transitory locations include recreational vehicle parks, campgrounds, racetracks, circuses, carnivals, marinas, hotels, and motels.</p>
Census Questionnaire Assistance	<p>The Census Questionnaire Assistance (CQA) operation has two primary functions:</p> <ul style="list-style-type: none"> • Provide questionnaire assistance for respondents by answering questions about specific items on the Census form or other frequently asked questions about the Census; <p>▫ Tier 1: Provide telephone assistance via an Interactive Voice Response (IVR).</p> <p>▫ Tier 2: Provide real-time assistance over the telephone or other electronic channels (Web chat and email) via CQA agents.</p> <ul style="list-style-type: none"> • Provide an option for respondents to complete a Census interview over the telephone.
Nonresponse Followup	<p>The Nonresponse Followup (NRFU) Operation serves two purposes:</p> <ul style="list-style-type: none"> • Determines housing unit status for nonresponding addresses that do not self-respond to the 2020 Census. • Enumerates households that are determined to have a housing unit status of occupied.
Response Processing	<p>The Response Processing Operation (RPO) supports the three major components of the 2020 Census: predata collection activities, data collection activities, and post data collection activities.</p> <p>Specifically, the operation supports the following:</p> <ul style="list-style-type: none"> • Create and distribute the initial 2020 Census enumeration universe of living quarters. • Assign the specific enumeration strategy for each living quarter based on case status and associated paradata. • Create and distribute workload files required for enumeration operations. • Track case enumeration status. • Run post data collection processing actions in preparation for producing the final 2020 Census results. • Check for invalid or potential fraudulent returns.

Operations	Purpose
Federally Affiliated Americans Count Overseas	The Federally Affiliated Americans Count Overseas (FAA) operation obtains 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	The Data Products and Dissemination (DPD) operation performs three primary functions: <ul style="list-style-type: none"> • Prepare and deliver the 2020 Census apportionment data for the President of the United States to provide to Congress by December 31, 2020. • Tabulate 2020 Census data products for use by the states for redistricting. • Tabulate and disseminate 2020 Census data for use by the public.
Redistricting Data Program	The purpose of the Redistricting Data Program (RDP) is to provide to each state the legally required P.L. 94-171 redistricting data tabulations by the mandated deadline of 1 year from Census. Day: April 1, 2021.
Count Review	The Count Review (CRO) operation enhances the accuracy of the 2020 Census through remediating potential gaps in coverage by: <ul style="list-style-type: none"> • Implementing an efficient and equitable process to identify missing housing units. • Identifying and correcting missing or geographically misallocated large group quarters and their population. • Positioning remaining count issues for a smooth transition to the CQR operation.
Count Question Resolution	The Count Question Resolution (CQR) operation provides a mechanism for governmental units to challenge their official 2020 Census results.
Archiving	The Archiving (ARC) operation performs the following functions: <ul style="list-style-type: none"> • Coordinates storage of the materials and data and provides records deemed permanent, including files containing the individual responses to the 2020 Census, to National Archives and Records Administration (NARA). • Provides similar files to the NPC to use as source materials to conduct the Age Search Service.
Other Censuses	
Island Areas Censuses	The purpose of the Island Areas Censuses operation is to enumerate all residents of American Samoa, the Commonwealth of the Northern Mariana Islands, Guam, and the U.S. Virgin Islands; process and tabulate the collected data; and disseminate data products to the public.
Test and Evaluation	
Coverage Measurement Design and Estimation	The Coverage Measurement Design and Estimation (CMDE) operation develops the survey design and sample for the postenumeration survey for the 2020 Census. It also produces estimates of census coverage based on a postenumeration survey.
Coverage Measurement Matching	The Coverage Measurement Matching (CMM) operation identifies matches and nonmatches between the 2020 Census and the Coverage Measurement Survey, for both housing units and people, including computer and clerical components.
Coverage Measurement Field Operations	The Coverage Measurement Field Operations (CMFO) collects person and housing unit information (independent from 2020 Census operations) for the sample of Coverage Measurement Survey housing units. Coverage Measurement (CM) collects the same data as the 2020 Census for both housing units and persons. Additional information is collected by CM to help us understand census coverage and to detect erroneous enumerations.

Operations	Purpose
Evaluations and Experiments	<p>Evaluations and Experiments (EAE) document how well the 2020 Census was conducted; evaluations analyze, interpret, and synthesize the effectiveness of census components and their impact on data quality or coverage or both. Experiments identify potential designs of early 2030 Census life-cycle research and testing; experiments are quantitative or qualitative studies that must occur during a decennial census in order to have meaningful results to inform planning of future decennial censuses. In general, experiments involve response comparisons between tests, new or modified methods, or procedures against 2020 Census production methods or procedures.</p> <p>The EAE operation performs the following functions:</p> <ul style="list-style-type: none"> • Measures success of critical 2020 Census operations and processes. • Formulates a 2020 Census experimental program that will further refine 2030 Census operational design options. • Contributes to the formulation of the 2030 Census Research and Testing phase objectives. • Develops a transition plan and appropriate organizational structures to establish 2030 Census life cycle planning. • Initiates other early planning activities for the 2030 Census, including the monitoring of policy concerns and technological, societal, and public cooperation trends. • Produces an independent assessment of coverage via Demographic Analysis.
Infrastructure	
Decennial Service Center	The Decennial Service Center (DSC) will support 2020 Census field operations and handle all service requests initiated by field staff.
Recruiting, Training, and Onboarding	<p>The Field Infrastructure (FLDI) operation performs the following functions:</p> <ul style="list-style-type: none"> • Coordinates space acquisition for, and lease management of, the RCC and Area Census Offices. • Provides the administrative infrastructure for data collection covering the 50 states, the District of Columbia, and Puerto Rico including: <ul style="list-style-type: none"> ☐ Recruiting. ☐ Hiring and onboarding. ☐ Personnel and payroll administration. ☐ Training. ☐ Partnership support. ☐ Management and supervision. ☐ Clerical support. ☐ Materials supply. ☐ Printing and plotting.
Decennial Logistics Management	The Decennial Logistics Management (DLM) will provide logistics management services including procuring warehouse space, warehousing, inventory management, kit assembly, deployment of materials, and receiving and excessing materials.
IT Infrastructure	<p>The purpose of the IT Infrastructure (ITIN) operation is to provide the IT-related infrastructure support to the 2020 Census, including:</p> <ul style="list-style-type: none"> • Enterprise systems and applications. • Decennial-specific systems, applications, and interfaces. • Field IT infrastructure (RCC, field office, and paper data capture center). • Mobile computing. • Cloud computing.
Program Management	
Program Management	The Program Management (PM) operation defines and implements program management policies, processes, and the control functions for planning and implementing the 2020 Census in order to ensure an efficient and well-managed program.

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 – Independent Listing
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
Release J	RESERVED
Release K	Coverage Measurement – Initial Housing Unit Follow-up, Person Interview
Release L	Coverage Measurement – Person Interview Matching
Release M	Coverage Measurement – Person Follow-up
Release N	Coverage Measurement – Final Housing Unit Follow-up
Release O	Coverage Measurement – Reports & Release Findings
Recruiting Release 1	Address Canvassing Recruiting
Recruiting Release 2	Field Enumeration Recruiting
Partnership Release 1	Partnership & Early Support Systems
Training Release 1	Address Canvassing Training, CQA Training
Training Release 2	Field Enumeration Training
Coverage Measurement Sample Release	Initial Sample for Coverage Measurement

Census/Survey Engineering

Summary of Activities (last 30 days)

In support of the Systems Engineering and Integration (SE&I) operation, meetings continued to transition responsibility for creating and maintaining the demand models, planning system scalability, planning performance and scalability testing, and updating the SE&I documents to the 2020 Census Technical Integrator.

MITRE presented details of the GQ impact on Paper Data Capture aspect of the Self-Response External Demand Model.

The Technical Integrator (TI) delivered version 3 of the 2020 Census Architecture Transition Plan.

The TI delivered the 2020 Performance Test Strategy document.

In support of Security, Privacy, and Confidentiality (SPC), 2017 Census Test schedule updates were submitted. The SPC charter for 2018 End-to-End Census Test is in IPT review.

In support of the Content and Forms Design (CFD) operation, staff completed descriptions of subjects to be proposed for the 2020 Census (by law, due to Congress by March 31, 2017), and began briefing internal stakeholders. Began gathering requirements for content and paper questionnaire activities for the 2018 End-to-End Census Test.

In support of Language Services, staff began collecting requirements for Language Assistance Guides (LAGs).

Look Ahead (next 60 days)

Security, Privacy, and Confidentiality

1. Finalize the charter for Security, Privacy, and Confidentiality (SPC) group.
2. Complete draft of SPC Detailed Operational Plan (DOP) Lite (due March 2017 – should be complete by January 2017).

Content and Forms Design

1. Complete internal review of the *Subjects Planned for the 2020 Census* and the American Community Survey (ACS) documentation, and begin external briefings.
2. Gather instrument and mail material requirements from operations for the 2018 End-to-End Census Test.

Language Services

1. Receive initial translations for the 2018 End-to-End Census Test.
2. Conduct further development for Language Assistance Guide proof of concept, which is an internal video of an existing test instrument.

Census/Survey Engineering

Look Ahead (next 60 days) cont'd

Systems Engineering and Integration

The TI will deliver a redesigned 2020 Census Integration and Implementation Plan (IIP) document.

Submit 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 Portfolio Management Governing Board (PMGB) for baselining.

The TI will refresh the Geographic Partnership Support Desk External Demand Model using updated call volume estimates.

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. Geographic Area Analysis and Delineation System (GAADS) software development continues in support of collection geography delineations. GAADS will be first used for the Interactive Type of Enumeration Area (TEA) Delineation starting January 26, 2016. The TEA GAADS software has been delivered to testing. Requirements for the Geographic Partnership Support Desk (GPSD) continue to be refined, and the initial implementation architecture solution has been determined. The schedules for 2020 Collection Geography and for the 2020 Participant Statistical Areas Program (PSAP) are in development and planned for baselining by February 28, 2017.

The Local Update of Census Addresses (LUCA) Office of Management and Budget (OMB) Paperwork Reduction Act (PRA) Clearance package was completed on December 15, 2016. Started development of Advance Notice training materials for RO Geographer and National Processing Center staff training for the Geographic Partnership Support Desk (GPSD). Completed outgoing materials preparation and shipping requirements. Completed LUCA Frequently Asked Questions (FAQs) for GPSD. Completed 2020 LUCA Information Guide.

In support of the Address Canvassing operation, staff began planning In-Office Address Canvassing: In-Office Group Quarters (GQ) Review; and Ungeocoded Resolution.

Began preparing the Office of Management and Budget (OMB) Paperwork Reduction Act Presubmission Federal Register Notice Package for the 2020 Census In-Office Address Canvassing operation. The operation will use a calling procedure to ascertain information from managers at Multi-units and contacts at Group Quarters and Transitory Locations.

The 2020 Census In-Office Address Canvassing Interactive Review production continues, and is meeting the expected production goals. The clerks have reviewed 8,130,301 blocks during Interactive Review from the beginning of production in September 2015 through December 31, 2016. One hundred eight staff are working Interactive Review (IR) in production and twelve are performing Quality Control (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 December 31, 2016, 72.6 percent of the blocks were classified as Passive, 16.3 percent were classified as Active, and 11.1 percent were classified as On-Hold.

FRAME

Summary of Activities (last 30 days)

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 reviewed 62,465 blocks from the beginning of production through December 31, 2016. Ninety-eight staff are working ABR in production and twenty-one are performing Quality Control (QC).

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 December 31, 2016, 67.6 percent of the blocks that have been completed through ABR were classified as Resolved, 23.8 percent were classified as sent to field, 0.3 percent were classified as needing additional group quarters research and 8.3 percent were classified as On Hold.

The Master Address File (MAF) Update for the Fiscal Year 2017 MAF Coverage Study began on October 3, 2016. As of December 31, 2016, 5,588 of the 20,000 blocks in the FY17 sample were completed.

- The goal was to complete 4,571 blocks by the end of December, and the field met 122.2 percent of the goal.

Look Ahead (next 60 days)

Geographic Programs

1. GAADS sprint development will continue in anticipation of a late January interactive TEA delineation for the 2018 End-to-End Census Test.
2. The GPSD development will go live on January 21, 2017, to support questions coming in from tribal, state, and local governments regarding the initial LUCA mailing.
3. Baseline Collection Geography and PSAP schedules by February 28, 2017.

LUCA

1. Finalize 2020 LUCA Production Control System User Guide.
2. Conduct Geographic Partnership Support Desk training for LUCA Advance Notice (Tier 1 and Tier 3) staff.
3. Print LUCA Advanced Notice Materials.
4. Assemble and ship LUCA Advanced Notice materials to tribal, state, and local governments.
5. Schedule LUCA Promotional Workshops.

Frame

Look Ahead (next 60 days) cont'd

Address Canvassing

1. Prepare the In-Office GQ Review Detailed Business Proposal.
2. Prepare the Ungeocoded Resolution Detailed Business Proposal.

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)

The Integrated Partnership and Communications Program developed the 2020 National Partnership Plan and it is currently under review. Continued IPC Customer Relationship Management system discussions, specifically around the partnership portal.

In support of the Update Enumerate (UE) operation, staff began documenting the 2020 Detailed Operational Plan. Staff finalized the draft and will send to IPT stakeholders for review. The plan's supporting artifacts were completed, including the business process model. Staff also conducted the first kick-off meeting for planning the Remote Alaska operation.

In support of the Group Quarters (GQ) operation, the Census Bureau received address and client-level record files from GQ Administrators in response to the Group Quarters Electronic Response (eResponse) Data Independent Test. The 2016 Service Based Enumeration Census Test Analysis Report was submitted for approval/ signature process.

In support of the Paper Data Capture (PDC) operation, staff completed final version of the 2020 Detailed Operational Plan and submitted it for Executive Review. Staff reviewed and provided feedback on the 2020 Transition Plan and Implementation and Integration Plan (IIP). Staff updated 2020 related risks. Staff is engaged in information exchange meetings with the Technical Integrator and is facilitating National Processing Center (NPC) and iCADE participation in support of the overall PDC solution for 2020.

Look Ahead (next 60 days)

Integrated Partnership and Communications

1. Finalize draft of the 2020 Census National Partnership Plan and provide to the 2020 IPC IPT.
2. Baseline the 2020 Census Partnership Engagement Plan.
3. The Census Bureau will have a meeting with the National Advisory Committee Integrated Partnership and Communications Working Group to discuss highlights from the 2020 National Partnership plan.
4. Make final decision regarding if the IPC Fulfillment Center will be implemented by the Census Bureau or outsourced through a contract vehicle.
5. Receive and review draft agile schedule for partnership portal development. The portal will allow partners to share activities and order promotional materials and products.
6. Plan for Partnership Contact Database release 2.0, which will expand functionality for storing and tracking partner information.

Response Data

Look Ahead (next 60 days) Cont'd

Update Enumerate

Deliver the draft 2020 Detailed Operational Plan to internal stakeholders for review, and apply changes to address any comments received.

Group Quarters

1. Complete the following activities for eResponse Data Independent Test.
 - a. Standardize/ Match/Geocode Address Response Data: November 2016 – January 2017.
 - b. Create GQ Extract of matched and unmatched address records for DSSD: November 2016 – January 2017.
 - c. Complete Data Analysis of eResponse Data Test – February 2017.
2. Finalize initial draft of 2018 Group Quarters Test Plan.

Nonresponse Followup

1. Baseline the 2020 Census NRFU Detailed Operational Plan.
2. Develop mitigation plans for 2020 Census NRFU project level risks.
3. Begin efforts to develop additional detail and refinements related to the operational schedule.
4. Develop plans and procedures for User Acceptance Tests of the Enterprise Censuses and Surveys Enabling (ECaSE) systems.

Paper Data Capture

1. Issue 2020 Census Detailed Operational Plan.
2. Identify and monitor 2020 Census related project risks.
3. Engage in information exchange meetings in support of the overall PDC solution for 2020 Census.

Response Processing

1. Finalize Response Processing Operation (RPO) Business Process Models (BPMs).
2. Finalize the 2020 Census RPO Detailed Operational Plan.
3. Finalize initial draft of 2018 RPO Test Plan.

Publish Data

Description

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

Summary of Activities (last 30 days)

Presented the results and recommendations from the 2015 National Content test to the National Conference of State Legislatures on December 8, 2016. The RDP also addressed the GEOELECTIONS conference on participation in the Redistricting Data Program. In addition, the RDP discussed the history of the Census Redistricting Data Program at the Indiana State Data Center 40th Anniversary celebration on December 12, 2016.

The RDP completed delivery of the verification materials to the official Redistricting Data Program liaisons and their deputized technical assistants for Phase 1 of the 2020 Census RDP, the Block Boundary Suggestion Project (BBSP). These materials included; participant guides, software, data DVDs, and a quick start guide.

Look Ahead (next 60 days)

Redistricting Data Program

1. 2020 Census RDP kickoff meetings in Rhode Island and Michigan.
2. Complete migration of the Redistricting Data Program website.
3. Support the verification half of the Block Boundary Suggestion Project.
4. Begin Integrated Partnership Team meetings for the design of the P.L. 94-171 Redistricting File and its summary levels.

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)

Coverage Measurement submitted to DOC the OMB Paperwork Reduction Act Pre-submission register notice for the 2018 End-to-End Census Test Coverage Measurement Independent Listing and submitted to the CCB for approval the request to change the Coverage Measurement Survey (CMS) name to Post Enumeration Survey (PES).

The Coverage Measurement Design and Estimation team submitted for comments the first draft of the 2018 End-to-End Census Test Specifications for Initial Sample of Basic Collection Units (BCUs), formed the CM Estimation subteam, reviewed all Coverage Measurement Design and Estimate Business Process Models (BPMs), requirements, and 2018 End-to-End Census Test schedule and produced preliminary results on impact of not conducting the Final Housing Unit Followup on net coverage estimates.

The Coverage Measurement Field Operations team assigned as Coverage Measurement (CM) Product Owners and their supervisors attended Pega training on Agile Development and Product Owner responsibilities, reviewed all Coverage Measurement Field Operations (CMF) BPMs, requirements, and 2018 End-to-End Census Test schedule, and worked with Pega to create the Housing and Person operations instrument development work streams.

In support of the Evaluation and Experiments (EAE) operation, the Decennial Research Objectives and Methods (DROM) working group members briefed decennial executive leadership on proposed 2030 Census research guiding principles and high-level research targets and on suggested criteria for assessing proposed 2020 Census research topics and questions.

The EAE Integrated Project Team (IPT) finalized operational assessment content guidelines, the study plan template, and workflows for 2018 End-to-End Census Test operations. They were briefed and conveyed to the IPT Leads group to support the 2018 End-to-End Census Test operations.

An interdivisional team further developed the Statement of Work for a contract to evaluate the 2020 Census Integrated Communications Program. The team is scheduled to brief the 2020 Census Portfolio Management Governing Board in January.

Test and Evaluation

Look Ahead (next 60 days)

Coverage Measurement Design and Estimation

1. Finalize key need-by spec dates for initial sample creation and sub sampling creation.
2. Finalize team's 2018 End-to-End Census Test Schedule.
3. Finalize approval for proposed name change for the Coverage Measurement Survey (CMS).

Coverage Measurement Field Operations and Matching

1. Finalize team's 2018 End-to-End Census Test schedule.
2. Finalize updates to CM requirements.
3. Finalize approval for proposed name change for the Coverage Measurement Survey (CMS)
4. Continue development of specifications and user stories for development of CM Independent Listing instrument and operations for the 2018 End-to End Census Test.
5. Continue development of specifications and user stories for development of CM Housing Unit Followup instrument and operations for the 2018 End-to End Census Test.
6. Continue development of specifications and user stories for development of CM Person Interview instrument and operations for the 2018 End-to End Census Test.

Coverage Measurement Matching

1. Finalize team's 2018 End-to-End Census Test schedule.
2. Finalize updates to CM requirements.
3. Finalize approval for proposed name change for the Coverage Measurement Survey (CMS).
4. Continue development of specifications for software for CM Independent Listing post-processing and housing unit matching for the 2018 End-to End Census Test.
5. Continue development of specifications for software for CM Housing Unit Followup post-processing and housing matching for the 2018 End-to End Census Test.

Evaluations and Experiments

1. Approve the guiding principles and high-level research targets for evaluations and experiments during the 2020 Census.
2. Approve the parameters (cost, quality, risks, visibility, etc.) and criteria for selecting and prioritizing 2020 Census evaluation and experimentation proposals.
3. Finalize the Request for Quote for an independent/external evaluation of the 2020 Census Integrated Communications Program.

Infrastructure

Description

Four operations support the infrastructure area of the 2020 Census: Decennial Service Center, Recruiting, Training and Onboarding, Decennial Logistics Management, and Information Technology (IT) Infrastructure. For the description of these operations, please see Table 1.

Summary of Activities (last 30 days)

In support of the IT Infrastructure operation, released the final dDaaS (decennial Device as a Service) Request for Proposal (RFP) for the 2020 Census. Completed technical exchange meetings with “down selected” vendors for the dDaaS contract. Anticipate proposals from vendors on December 23, 2016, with an award planned for March 2, 2017.

Decennial Logistics Management (Regional Census Centers)

1. Philadelphia: Design/layout work underway
2. New York: GSA informed Lessor of lease award.
3. Atlanta: Evaluating revised offers. Negotiations are in progress.
4. Chicago: Negotiations complete.
5. Dallas: Final proposal revisions submitted, and are under review.

IT Infrastructure

Provided documented response to Department of Commerce CITRB regarding Cloud Phase II. Preparing a new delivery order to acquire Microsoft Azure Cloud services in addition to extending AWS services that support 2017 Census Test operations.

Look Ahead (next 60 days)

Decennial Service Center

Train analysts to process security incident calls.

Decennial Logistics Management (Regional Census Centers)

1. New York: Official lease award is pending.
2. Atlanta: Expects to award lease in January 2017.
3. Chicago: Lease award is pending.
4. Dallas: Expects to award lease in January 2017.
5. Los Angeles: Expects to award lease in January 2017.

Recruiting, Training & Onboarding

1. Transition ownership of the Learning Management System and the Fingerprinting/Badging (formerly known as Third Party Vendor or 3PV) to the Systems Engineering and Integration group within Decennial Information Technology Division.
2. We will release an RFI for Fingerprinting/Badging on the GSA or NTIS Acquisition vehicles, depending on market research.
3. LMS Acquisition strategy was approved by the PLIRB on December 12, 2016.

Infrastructure

Look Ahead (next 60 days) cont'd

IT Infrastructure

1. In support of the Detailed Operational Plan, the IT Infrastructure IPT will complete the initial draft of the Detailed Operational Plan.
2. Meet with Data Stewardship Executive Board (DSEP) regarding the approval and use of T26 in the cloud.
3. Present recommendations for Cloud connectivity to executive management. They will begin Authority to Operate analysis of the Azure cloud, and explore AWS General Elastic Map Reduce (EMR) capability.

Additional Updates

Oversight & Stakeholder Engagement

Description

This section describes major activities related to the 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. Team Young & Rubicam (Y&R) conducted a Listening Tour at Census Regional Offices:
 - a. Atlanta, Georgia, Regional Office, December 1, 2016
 - b. Los Angeles, California, Regional Office on December 6, 2016
 - c. Denver, Colorado, Regional Office on December 15, 2016
2. Participated in the National Conference of State Legislatures Capitol Forum December 6 – 9, 2016.
3. Participated in the Indiana State Data Center annual meeting in Indianapolis, Indiana, December 16, 2016.
4. The Government Accountability Office (GAO) sent their draft report on the 2016 Census Test for official comments by the Department of Commerce. The Census Bureau now is preparing the response; due to the GAO by January 17, 2017.

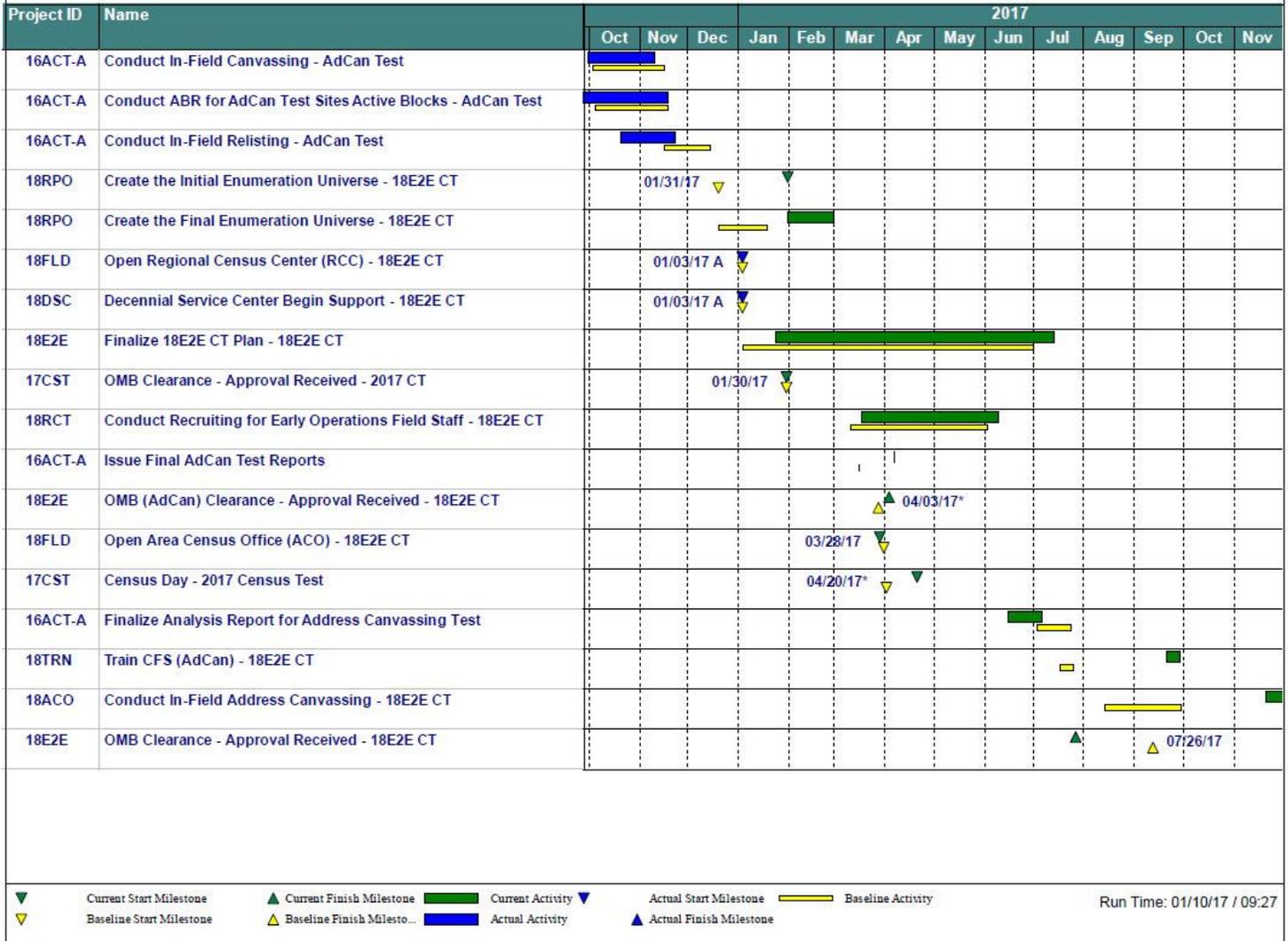
Look Ahead (next 60 days)

1. Participate in the Applied Demography Conference in San Antonio, Texas, January 11 – 13, 2016, including a panel on the results of the 2015 National Content Test analysis on race and ethnicity.
2. Team Y&R will conduct a Listening Tour in Chicago, Illinois, Regional Office, on January 11, 2017.
3. The Office of Inspector General (OIG) is holding exit meetings for their audits on the *2016 Address Canvassing Test*, and the *2016 Census Test* on January 17, 2017.
4. The GAO is holding the entrance meeting for new audit on *2020 Census Lifecycle Costs Estimates Update* on January 19, 2017.

Program Schedule Metrics Research & Testing

Key Activities Planned for FY17

Status: End of December 2016



Explanations for Project Start/Finish Delays

Activity 18RPO-10450: "Create the Initial Enumeration Universe – 18E2E CT"

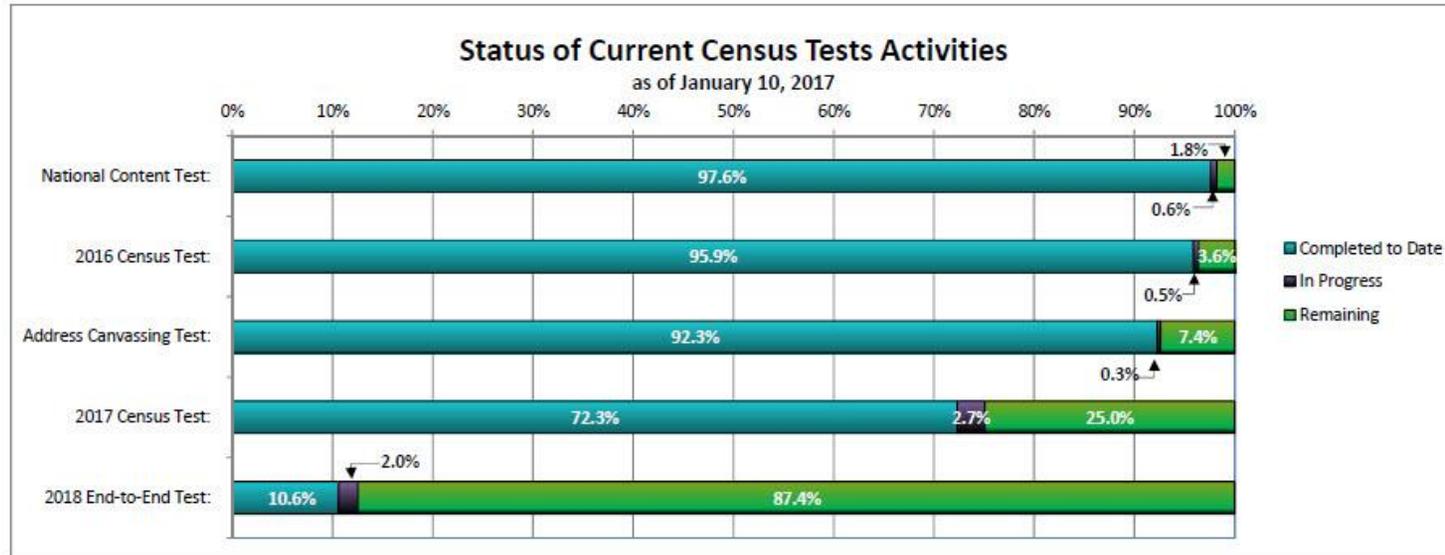
Reason for Delay: At the time the schedule was baselines some of the required specifications were unknown, and have now been identified. A change request will be issued to monitor and track the delivery of these specifications to the solution providers.

Activity 18RPO-10460: "Create the Final Enumeration Universe – 18E2E CT"

Reason for Delay: At the time the schedule was baselines some of the required specifications were unknown, and have now been identified. A change request will be issued to monitor and track the delivery of these specifications to the solution providers.

Program Schedule Metrics Research & Testing

Status of Census Tests through December 2016



	Total Activities	Completed to Date	In Progress	Remaining
2015 National Content Test:	1181	1153	7	21
2016 Census Test:	1902	1824	10	68
Address Canvassing Test:	621	573	2	46
2017 Census Test:	1648	1192	45	411
2018 End-to-End Test:	5976	635	117	5224

Program Budget/Costs as of November 30, 2016

FY 2017 Cumulative Budget Actuals vs. Plan to Date



	November Cum Plan	November Cum Actuals	November Cum Variance	% Variance
GRAND TOTAL	\$66,381,690	\$47,342,188	\$19,039,502	28.7%

At the end of November, the \$19.0M variance in the 2020 Census program consists of \$12.9M in salaries and \$6.1M in other objects. The salary variance is due to delays in filling vacancies. The other objects variance is due to delays in obligating contracts and minimal spending in travel, training, and supplies due to the Continuing Resolution (CR). We still plan to award these contracts, and don't believe the delays will significantly affect our ability to stay on schedule and complete planned activities.

R1 Program Management	\$12,939,751	\$10,004,306	\$2,935,445	22.7%
------------------------------	--------------	--------------	-------------	-------

The variance in this area consists of \$0.9M lower than expected costs in salaries and \$2.0M lower than expected costs in other objects. The salary variance is due to delays in filling vacancies. The other objects variance is due to delays in obligating contracts in the Program Management Project. There is no impact to the program as we expect these obligations to occur in the second quarter.

R2 Census/Survey Engineering	\$2,322,813	\$1,857,793	\$465,020	20.0%
-------------------------------------	-------------	-------------	-----------	-------

The variance in this area consists of \$0.3M lower than expected costs in salaries and \$0.2M lower than expected costs in other objects. The salary variance is due to delays in filling vacancies. The other objects variance is due to delays in obligating the contract for the translation experts to translate non-English materials and pretesting of multilingual materials. This contract will be conducted in the late Spring. There has also been minimal spending in travel, training, and supplies due to the CR.

Program Budget/Costs as of November 30, 2016

R3 Frame	\$12,256,225	\$7,979,415	\$4,276,810	34.9%
-----------------	--------------	-------------	-------------	-------

The variance in this area consists of \$4.1M lower than expected costs in salaries and \$0.2M lower than expected costs in other objects. The salary variance is due to delays in filling vacancies, and NPC vacancy funds were spread across 12 months instead of Jan - Sept. The majority of the other objects variance is due to minimal spending in travel, training, and supplies due to the CR.

R4 Response Data	\$6,918,341	\$8,165,441	(\$1,247,100)	(18.0%)
-------------------------	-------------	-------------	---------------	---------

The variance in this area consists of \$1.6M lower than expected costs in salaries and (\$2.8M) higher than expected costs in other objects. The salary variance is due to delays in filling vacancies. The majority of the other objects variance is due to the Census Questionnaire Assistance (CQA) contract which provides respondent assistance in the 2017 Census Test was obligated earlier than planned. There is no impact to the program as the funds are available in the plan.

R5 Published Data	\$3,997,366	\$2,146,486	\$1,850,880	46.3%
--------------------------	-------------	-------------	-------------	-------

The variance in this area consists of \$0.6M lower than expected costs in salaries and \$1.3M lower than expected costs in other objects. The salary variance is due to delays in filling vacancies. The other objects variance is due to the delays in obligating a contract vehicle to assist in the implementation of the architecture, development, and configuration of the CEDSCI Program. Also, there were delays in purchasing equipment and data storage for the new Custom Tabulation project. We are awaiting final cost estimates from ISSRO. There is no impact to the program as we expect these obligations to occur in the second quarter.

R6 Test and Evaluation	\$11,435,852	\$5,596,393	\$5,839,459	51.1%
-------------------------------	--------------	-------------	-------------	-------

The variance in this area consists of \$3.6M lower than expected costs in salaries and \$2.2M lower than expected costs in other objects. The salary variance is due to delays in filling vacancies. The other objects variance is due to the following: 1) rent/security contract funding was not obligated in in the first quarter as planned, 2) there were delays in obligating the licenses, software, mobile applications, and maintenance for the Test Planning, Project Management and Support project, 3) postponement of the Puerto Rico Test, and 4) equipment, utilities and postage are not being procured for the End-to-End test as planned. There has also been minimal spending in travel, training, and supplies due to the CR. There is no impact to the program as the majority of these obligations will occur in the second/third quarter.

Program Budget/Costs as of November 30, 2016

R7 Infrastructure	\$16,511,342	\$11,592,354	\$4,918,988	29.8%
--------------------------	--------------	--------------	-------------	-------

The variance in this area consists of \$1.8M lower than expected costs in salaries and \$3.1M lower than expected costs in other objects. The salary variance is due to delays in filling vacancies. The majority of the other objects variance is due to delays in obligating the following contracts/other objects: 1) infrastructure support contract for the 2018 E2E Test, 2) purchase of equipment for three RCCs and three ACOs to support the E2E test, 3) Integrated Logistics Management System licenses and OPM training for the RCC/ACO offices, 4) ILMS syteline site licenses, and 5) rent/security contract funding. There has also been minimal spending in travel, training, and supplies due to the CR. There is no impact to the program as we expect these obligations to occur in the second quarter.

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

Program-Level Life Cycle Risks

	Risk ID	Name	Level	Prior Level	Trend	Prob	Imp
1	LC-040	Funding Requests Not Realized	H	H	↓	4	5
2	LC-033	Administrative Records and Third-Party Data - External Factors	H	H	↔	3	5
3	LC-039	Public Perception of Ability to Safeguard Response Data	H	H	↔	3	5
4	LC-041	Cyber Security Incidents	H	H	↔	3	5
5	LC-010	Enterprise IT Solutions	M	M	↔	3	4
6	LC-036	Operations and Systems Integration	M	M	↔	3	4
7	LC-038	Testing of Field Operations 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

Appendix

Appendix A

Acronyms

ABR.....	Active Block Resolution
ACO	Area Census Offices
ACS	American Community Survey
ADSD	Applications Development and Services Division
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
ATT	Authority To Test
AVI.....	[Telephone: robocall]
AVT	Address Validation Test
AWS.....	Amazon Web Services
BAS	Boundary and Annexation Survey
BBSP	Block Boundary Suggestion Project
BCU.....	Basic Collection Unit
BYOD	Bring Your Own Device [The use of employee-owned equipment/services.]
C-SHaRPS	Census Schedule A Human Resources Payroll System
CASS.....	Coding Accuracy Support System
CAT	Customer Acceptance Testing
CATI	<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
CFD	Content and Forms Design
CHEC	Census Hiring and Employment Check
CM	Coverage Measurement
CMS	Center for Medicare and Medicaid Studies
COMPASS	Census Operations Mobile Platform for Adaptive Services and Solutions
CQA	Census Questionnaire Assistance
CRM.....	<i>Customer Relationship Management</i>
CSAC	Census 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
DOP	Detailed Operational Plan
DPMO	Decennial Program Management Office
DROM.....	Decennial Research Objectives and Methods Group
DSSD	Decennial Statistical Studies Division
DTO	Decennial Translation Office
eAdRec IT.....	Electronic Administrative Records Independent Test
EAE	Evaluations and Experiments
ECaSE.....	Enterprise Censuses and Surveys Enabling
EFU	Evaluation Followup
ENUM	Enumerators in the Field
ENUMPREP	Enumeration Preparation

ES..... English/Spanish, otherwise known as Bilingual
 FAQ..... *Frequently Asked Questions*
 FMO..... Field Manager of Operations
 FY..... *Fiscal Year*
 FSCPE..... Federal-State Cooperative for Population Estimates
 GAADS..... Geographic Area Analysis and Delineation System
 GAO Government Accountability Office
 GEO Geography Division
 GPO *Government Publishing Office*
 GPSD..... Geographic Partnership Support Desk
 GQ Group Quarters
 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
 IPC Integrated Partnership and Communications
 IPT Integrated Project Team
 IR Interactive Review
 IRS *Internal Revenue Service*
 ISR Internet Self-Response
 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
 LiMA Listing and Mapping Application
 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 Preregistration Tool]
 NPC..... National Processing Center
 NRFU Nonresponse Followup
 NTC..... Note for Correspondents
 OCS..... Operational Control System
 OIG *Office of the Inspector General*
 OIS..... *Office of Information Security*
 OMB *Office of Management and Budget*
 ORR Operational Readiness Review
 OSR Optimizing Self-Response
 PCD..... Paper Data Capture
 PCS Production Control System
 PES..... Post Enumeration Survey

PM *Program Management*
PMGB Portfolio Management Governing Board
PMR..... Program Management Review
Primus [Census Bureau's Internet Data Collection System]
PRR Production Readiness Review
PSAP Participant Statistical Areas Program
PVSed [To make data private and secured]
PXP Partnership Experience Portal
QC..... *Quality Control*
R&T Research and Testing
RA..... Recruiting Assistant
RCC Regional Census Center
RDP..... Redistricting Data Program
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
SBE Service Based Enumeration
SDLC Systems Development Life Cycle
SE..... *System Engineering*
SE&I Systems Engineering and Integration
SIMEX Human in the Loop Simulation
SLC..... Survey Life Cycle
SPC Security, Privacy, and Confidentiality
SRR Systems Requirement Review
TEA Type of Enumeration Area
TEMP Test and Evaluation Management Plan
TI Technical Integrator
TIGER Topologically Integrated Geographic Encoding and Referencing
TMO..... Technologies Management Office
TQA Telephone Questionnaire Assistance
TRR Test Readiness Review
UAA Undeliverable As Addressed
UAT..... User Acceptance Test
UCRM Universe Control and Response Management
UECT Universal Enumeration and Control Table
UE..... Update Enumerate
UHE..... Usual Home Elsewhere
USPS *United States Postal Service*
UT..... Users Test
UTS *Unified Tracking System*
VTD..... *Voting Districts*
WG *Working Group*
WLM Workload Management
Y&R *Young & Rubicam*

Note: Nonitalicized acronyms are those that are used mainly at U.S. Census Bureau whereas italicized acronyms are widely employed elsewhere.