



# **2020 Census**

## **February 2016**

### **Monthly Status Report**

All information in this report is as of February 29,  
unless otherwise stated in the title of the page.

## Contents

Key Program Updates .....	3
Status of Major Tests .....	4
2014 Census Test.....	5
2015 Optimizing Self-Response Test.....	6
2015 Census Test.....	7
2015 National Content Test .....	9
2016 Census Test.....	11
Status of Major 2020 Census Operations .....	14
Census/Survey Engineering.....	18
Frame.....	20
Response Data.....	22
Publish Data.....	26
Infrastructure .....	27
Additional Updates .....	29
Oversight & Stakeholder Engagement.....	30
Program Schedule Metrics Research & Testing .....	32
Program Budget / Costs as of January 31, 2016 .....	34
Program-Level Life Cycle Risks .....	35
Appendix .....	37
Acronyms.....	38

## Key Program Updates

1. In support of the 2016 Census Test:
  - a. The Los Angeles, CA Area Operations Support Center opened on February 3, 2016.
  - b. The Los Angeles Regional Census Center (RCC) reached 100 percent of its recruiting goal for field operations in Los Angeles County.
  - c. The Denver RCC is employing targeted recruiting efforts in areas where there is a greater need for enumerators for the Test. The Denver RCC continues its recruitment efforts and is making progress toward meeting its goal for field operations in Harris County, TX.
2. In support of planned questionnaire content testing in 2017, a series of focus groups with American Indian participants were held across the country.
3. Vendor proposals for the Integrated Communications Contract were due on February 22, 2016.
4. Vendor proposals for the 2020 Census Questionnaire Assistance solicitation (Request for Proposal) were due February 29, 2016.
5. The Redistricting Data Program continued the 2020 Census Redistricting Data Program kick-off meetings with official liaisons in Alaska, California, North Carolina, and Minnesota.
6. Census Bureau staff conducted the 2020 Census Tribal Consultation Meeting in Fort Yates, North Dakota on February 5, 2016.
7. Census Bureau staff hosted representatives from the United States Postal Service (USPS) on February 8, 2016 to discuss three topics: Address Quality, Undeliverable-as-Addressed (UAA), and Ancillary Services.
8. Census Bureau staff hosted representatives from the USPS at the National Processing Center (NPC) on February 17, 2016 and February 18, 2016. The participants toured the NPC facility as well as the mail center in Louisville, KY. The purpose of the meeting was to gain knowledge of each other's processing and for the USPS to provide feedback on saving postage.
9. The Census Bureau received the Office of the Inspector General's final report for their engagement, *Efforts to Continuously Update the MTdb and LUCA Preparation*, on February 23, 2016.

# **Status of Major Tests**

## 2014 Census Test

### Description

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

### Milestone Dates

Conduct “Notify Me” – June 5-13, 2014 (completed)

Began Self-Response Data Collection – June 23, 2014 (completed)

Census Day – July 1, 2014 (completed)

Send Self-Response Reminder Notifications – July 1, 2014 and July 8, 2014 (completed)

Send Final Reminders with Paper Questionnaire Booklets – July 15, 2014 (completed)

Conduct Nonresponse Followup (NRFU) – August 14, 2014 - September 25, 2014 (completed)

Complete Data Collection – September 25, 2014 (completed)

Finalize 2014 Census Test Analysis Reports – Quarter 2 of Fiscal Year 2016 (on a flow basis)\*

### Summary of Activities (last 30 days)

The only remaining activity for this test is to release analysis reports. The following 2014 Census Test analysis reports have received final executive-level clearance and are in the process of being released via the 2020 Census Memorandum Series:

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

The following reports are ready for final executive-level clearance:

- a. Contact Frame Report
- b. Test Overview Report

### Look Ahead (next 60 days)

1. Complete final executive-level clearance and issue reports.

\* Completion of the analysis reports was delayed to allow staff to focus on critical preparations for the 2016 Census Test.

## **2015 Optimizing Self-Response Test**

### **Description**

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

### **Milestone Dates**

Federal Register Pre-Submission Notice Published – August 27, 2014 (completed)  
OMB (Paperwork Reduction Act) Clearance Package – Submit by December 2, 2014 (completed late on December 23)  
OMB Clearance Package Approved – February 17, 2015 (completed)  
Send “Notify Me” Post Card – February 20, 2015 (completed late on February 23)  
Begin “Notify Me” – February 23, 2015 (completed)  
Send Self-Response Letter/Post Card/Email Instructions – March 20, 2015 (completed)  
Begin Self-Response Data Collection – March 23, 2015 (completed)  
Send Self-Response First Reminder – March 27, 2015 (completed)  
Conduct Wave 1 Automated Telephone Calls – March 30-April 1, 2015 (completed)  
Census Day – April 1, 2015 (and postcard reminder) (completed)  
Send Self-Response Second Reminder – April 1-7, 2015 (completed)  
Send Final Reminders with Paper Questionnaire Booklets – April 7-14, 2015 (completed)  
Conduct Nonrespondent Focus Groups – May 4-7, 2015 (completed)  
Mail Postcard Invitation to Previously Non-sampled Households – May 18, 2015 (completed)  
Conduct Wave 2 Automated Telephone Calls – May 18-20, 2015 (completed)  
Complete Data Collection (related to primary test objectives) – May 31<sup>1</sup> (completed)  
Complete Internet Data Collection – June 26, 2015 (completed early on June 23)  
Conduct Reinterview Activities – July 15-August 7, 2015 (completed)

### **Summary of Activities (last 30 days)**

Continued development of summary research report.

### **Look Ahead (next 60 days)**

1. Continue writing drafts of the research and analysis reports.

---

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

## 2015 Census Test

### Description

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

### Milestone Dates

Federal Register Pre-Submission Notice Published – September 2, 2014 (completed)  
OMB (Paperwork Reduction Act) Clearance Package – Submit by December 2, 2014 (completed late on December 23)  
Local Census Office (LCO) Open – January 26, 2015 (completed)  
OMB Clearance Package Approved – February 17, 2015 (completed)  
Systems Readiness Complete for Optimizing Self-Response (OSR) Systems – March 13, 2015 (completed)  
Send Self-Response Letter and Instructions – March 20, 2015 (completed late on March 23)  
Begin Self-Response Data Collection – March 23, 2015 (completed)  
Send Self-Response First Reminder – March 27, 2015 (completed)  
Census Day – April 1, 2015 (and postcard reminder) (completed)  
Send Self-Response Second Reminder – April 1-7, 2015 (completed)  
Complete Systems Readiness for Nonresponse Followup (NRFU) Systems – April 15, 2015 (completed – all systems are ready)  
Send Final Reminders with Paper Questionnaire Booklets – April 8-14, 2015 (completed)  
Begin NRFU – May 14, 2015 (completed)  
Begin Field Staff Focus Groups – June 11, 2015 (completed)  
Conduct Bring Your Own Device (BYOD) Enumeration – June 15-27, 2015 (completed)  
End NRFU – June 26, 2015 (completed early on June 23)  
Conduct Evaluation Followup (EFU) – July 20-August 14, 2015 (completed early on August 12)  
Conduct Respondent Focus Groups – July 20-23, 2015 (completed early July 13-16)

### Summary of Activities (last 30 days)

Continued development of research and analysis reports for the Test.

## 2015 Census Test

### Look Ahead (next 60 days)

1. Continue writing drafts of the research and analysis reports.

## 2015 National Content Test

### Description

The 2015 National Content Test (NCT) will use 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 includes: 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 will also include 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 will use 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 will take place from August to December 2015.

### Milestone Dates

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

### Summary of Activities (last 30 days)

Received and incorporated comments from the National Academy of Sciences (NAS) on the study plans for the Test.

Staff provided and briefed race and ethnicity study plan to the OMB Interagency Working Group on Race and Ethnic Research on February 22, 2016.

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

## 2015 National Content Test

### Look Ahead (next 60 days)

1. Finalize study plans for analyses.
2. Complete post-processing and editing.
3. Continue data analyses.
4. Send draft of analysis reports on relationship and optimizing self-response to internal reviewers.
5. Continue engagement with advisory and external groups on the race and ethnicity study plan.

## 2016 Census Test

### Description

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

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

Systems testing will include the use of a cloud-based infrastructure 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 will utilize 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 will take place from March to August 2016 in Los Angeles County, California and Harris County, Texas.

### Milestone Dates

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

Federal Register Pre-Submission Notice Published – August 4, 2015 (completed/published)

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

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

Conduct Recruiting – October 2015 – April 2016 (Began on November 2, 2015)

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

Begin Self-Response Data Collection – March 2016

Conduct 2016 Census Test – March - July 2016

Census Day – April 1, 2016

Conduct Field Staff Training – April - May 2016

Begin Nonresponse Followup (NRFU) – May 2016

### Summary of Activities (last 30 Days)

The Los Angeles, CA AOSC opened on February 3, 2016. This was completed later than the scheduled date of February 1, 2016, due to a delay during the initial build out.

The Los Angeles AOSC and the Houston AOSC continued preparations for the NRFU and quality control operations.

\* For the 2016 Census Test, we are continuing to use the terminology: Area Operations Support Center (AOSC). We will switch to the new name (Area Census Office) after the 2016 Census Test.

## 2016 Census Test

### **Summary of Activities (last 30 Days) cont'd**

The Los Angeles RCC reached 100 percent of its recruiting goal for field operations in Los Angeles County, CA. However, targeted recruitment efforts will continue in areas where additional enumerators are needed for the Test. The Denver RCC continues its recruitment efforts and is making progress toward meeting its goal for field operations in Harris County, TX. Additionally, the Denver RCC is employing targeted recruiting efforts in areas where there is a greater need for enumerators for the Test.

Partnership Specialists were trained in the Los Angeles County, CA and Harris County, TX Test sites. They supported recruiting and have begun to develop partnerships with local businesses and organizations. Materials for Statistics in Schools and a Partnership Toolkit were developed and have been sent for translation into Chinese, Korean, and Spanish.

Initial integration testing between the Census Operations Mobile Platform for Adaptive Services and Solutions (COMPASS) and the Census Bureau's Operational Control System for Reengineered Field Operations (MOJO), systems began on February 18, 2016 and continued through February 24, 2016.

Usability testing of the Internet data collection system (Primus) was conducted with respondents and subject matter experts.

### **Look Ahead (next 60 Days)**

#### *Systems for Internet Self-response*

1. Continue development and testing of Primus.
2. Begin self-response data collection for the 2016 Census Test.

#### *Systems for NRFU*

1. Develop COMPASS tests plans to support system integration testing.
2. Begin system integration testing between all 2016 NRFU production systems to support testing of data collected via COMPASS and to verify that these data are output correctly.
3. Conduct User Acceptance Testing on COMPASS.
4. Deploy training version of COMPASS to the field.
5. Deploy COMPASS into production for 2016 Census Test.

#### *Telephone Questionnaire Assistance (TQA)*

1. Finalize system specifications to support WebTQA activities.
2. Finalize materials for training WebTQA agents.
3. Review translations for use by WebTQA agents.
4. Begin production TQA operations for the 2016 Census Test.

#### *Content/Language*

1. Complete cognitive testing of Internet and NRFU instruments for Chinese and Korean.

## 2016 Census Test

### Look Ahead (next 60 Days) cont'd

#### *Forms Printing and Distribution*

1. Finalize mailing and field materials for the 2016 Census Test.
2. Work with the selected printer to test and prepare for printing and mailing items for the 2016 Census Test.
3. Print and mail the materials for the 2016 Census Test.

#### *Integrated Partnership and Communications*

1. Begin activities for the Integrated Partnership and Communications operation for the 2016 Census Test.

#### *NRFU*

1. Modify online training modules and classroom training procedures based on the results of dry-run presentations.
2. Continue to prepare for NRFU systems testing by defining test scenarios and systems evaluation criteria.

#### *Reports*

1. Complete development for management reports required for the 2016 Census Test Self-Response operation.
2. Complete requirements for management reports required for the 2016 Census Test NRFU operation.

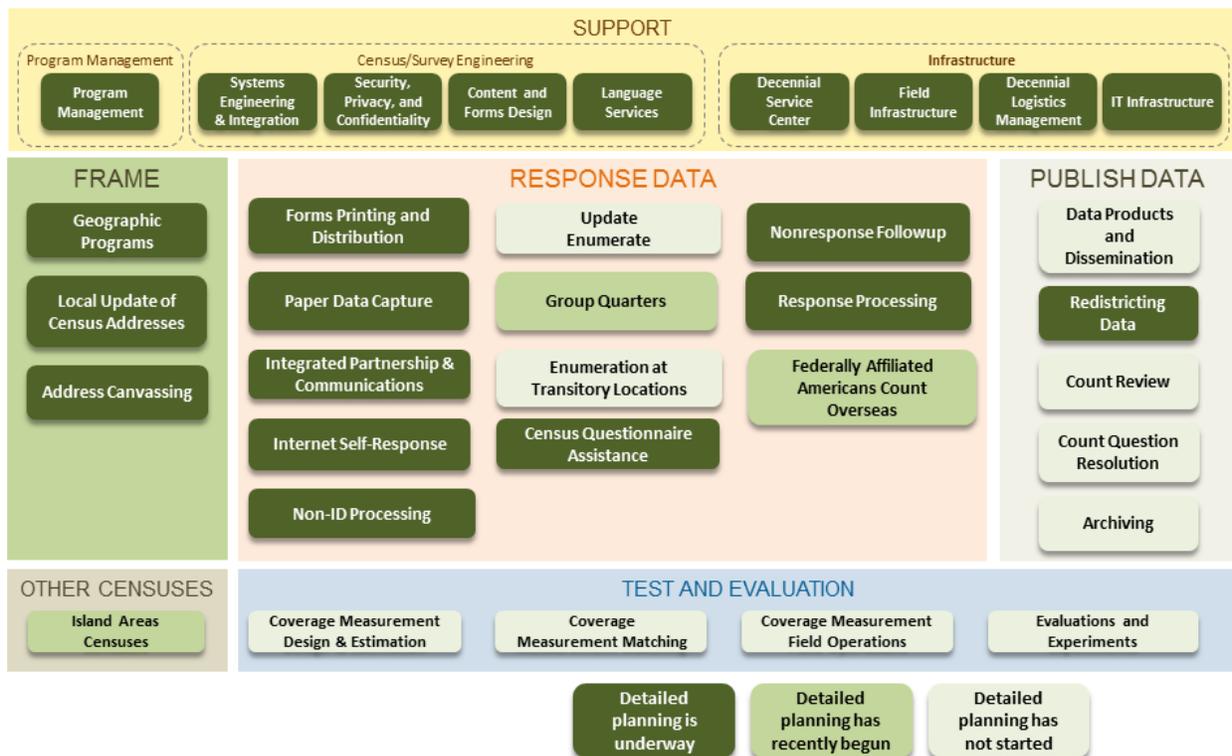
# Status of Major 2020 Census Operations

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.

Twenty-three (23) operations are currently underway. The status of these operations are reported on the following pages, which are organized by major area. Please note, only operations that are currently underway are discussed on the following pages.

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

**Figure 1: Operational Overview by WBS**



**Table 1: 2020 Census Operations and Purpose**

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

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

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

## Census/Survey Engineering

### Description

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

### Summary of Activities (last 30 days)

The SE&I team developed a draft of the Transition Plan for non-CEDCaP (Census Enterprise Data Collection and Processing) Systems in preparation for walk-throughs with both Decennial and IT Directorate management. Based on a recommendation from the National Academy of Sciences (NAS), development of an Integration and Implementation Plan began. Using results from the 2015 National Content Test, the paper data capture external demand model for the 2016 Census Test and for the 2020 Census was refreshed.

The SE&I team embarked on an effort to create an end-to-end system test for the 2016 Census Test as part of the larger effort to introduce earlier and longer program-level testing for solutions allocated to all subsequent tests. The 2016 Census Test effort integrates several testing environments to test system handoffs. The effort is being coordinated by the IT Directorate. The SE&I team also developed an enterprise Systems Development Life-Cycle (eSDLC) schedule template for software development for the remaining Census Tests. The template is coordinated with planned CEDCaP releases and will be used as input to the Integrated Master Schedule.

The Content and Forms Design and Language Services teams have focused on finalizing the 2016 Census Test materials: conducting cognitive and usability testing of the Internet and Nonresponse Followup (NRFU) instruments. Also, they began drafting materials for future planned activities, such as address canvassing and service-based enumeration. Also in support of future testing, a series of focus groups with American Indian participants were held across the country to inform the development of questionnaire items related to formal tribal enrollment status.

### Look Ahead (next 60 days)

#### *SE&I*

1. Produce a final draft of the Transition Plan for non-CEDCaP Systems.
2. Form Information Technology (IT) Project Teams that will plan the solutions to support 2020 Census operations and ensure consistency between solution development for census tests and the 2020 Census vision for those solutions.
3. Develop the 2020 Census Integration and Implementation Plan (IIP), Systems Engineering Management Plan (SEMP), and Test and Evaluation Management Plan (TEMP).
4. Develop the Geographic Partnership Support Desk external demand model.
5. Present the 2020 Census Segment Architecture document to the Architecture Review Board and to the Census IT Directorate Project Review (CIPR) Board.

## Census/Survey Engineering

### **Look Ahead (next 60 days) cont'd**

#### *Content and Forms Design*

1. Participate in user testing of the 2016 Census Test data collection systems.
2. Draft questionnaires for cognitive testing of tribal enrollment questions.

#### *Language Services*

1. Complete cognitive and usability testing of Chinese and Korean Internet and NRFU instruments for the 2016 Census Test.

## Frame

### **Description**

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

### **Summary of Activities (last 30 days)**

The Geographic Programs team is finalizing the Basic Collection Unit (BCU) criteria and refining the Type of Enumeration Area (TEA) criteria for the initial TEA delineation. The team is monitoring the use of the Geographic Update Partnership System (GUPS) for Phase 1 of the Census Redistricting Data Program. The Geographic Programs team established a Mapping and Plotting sub-team to identify requirements to support 2020 Census Field Operations.

The LUCA team completed their review of the 2020 LUCA Business Process Model and the Business and Capability Requirements.

In-Office Address Canvassing Interactive Review production continues at the National Processing Center (NPC). The NPC clerks have reviewed 937,672 blocks during Interactive Review from the beginning of production in September 2015 through the end of February 2016. This process classifies the blocks into three categories:

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

As of the end of February 2016, 74.57 percent of the blocks were classified as Passive, 16.76 percent were classified as Active, and 8.67 percent were classified as On Hold.

A fourth training session for In-Office Address Canvassing was conducted at the NPC from February 23 - 25, 2016 for clerks new to the operation.

### **Look Ahead (next 60 days)**

#### *Geographic Programs*

1. Finalize criteria for BCU delineation.
2. Conduct BCU delineation for areas in the Address Canvassing Test.
3. Start national BCU delineation in preparation for the 2020 Census.
4. Continue to refine criteria for the initial 2020 Census TEA delineation.
5. Start development of GUPS to support LUCA.
6. Begin development of the following Detailed Operational Plans for the Geographic Programs Operation: (1) Geographic Delineations; (2) Geographic Partnership Programs; and (3) Geographic Data Processing.

## Frame

### Look Ahead (next 60 days) cont'd

#### *LUCA*

1. Release (for internal review) the 2020 Census Detailed Operational Plan for the Local Update of Census Addresses Operation.
2. Develop the detailed 2020 LUCA schedule.

#### *Address Canvassing*

1. Recommend sites for the Address Canvassing Test.
2. Begin evaluation of commercial data (housing unit address and associated geographic coordinate files) through the review of metadata, and matching to the Master Address File (MAF). These commercial data were acquired through awards made to five address file vendors in September 2015.
3. Begin field data collection for the Fiscal Year 2016 MAF Coverage Study.

## Response Data

### Description

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

### Summary of Activities (last 30 days)

In support of the Integrated Partnership and Communications operation, Partnership Specialists were trained in both test sites for the 2016 Census Test. They supported recruiting and have begun to develop partnerships with local businesses and organizations. Materials for Statistics in Schools and a Partnership Toolkit were developed and have been sent for translation into Chinese, Korean, and Spanish.

Vendor proposals for the Integrated Communications Contract (ICC) were due on February 22, 2016. The Census Bureau will evaluate these from February 24, 2016 through March 25, 2016. The Census Bureau met with the Minority Business Development Agency in January to discuss the ICC and responded to questions in writing.

The Internet Self-Response team is coordinating and conducting system testing in support of the 2016 Census Test, including User Assessment, Usability, and Outcome Testing. Based on the results of this testing the team is working with developers to modify and refine specifications and requirements.

The Non-ID Processing team continued conducting user testing in February of the Internet data collection instrument (Primus) to be used for the 2016 Census Test. The team also prepared for and participated in end-to-end testing to ensure readiness for the 2016 Census Test.

The Group Quarters (GQ) team met with the Defense Manpower Data Center to discuss lessons learned from the 2010 Census and ways to improve data collection for personnel residing on Navy and Coast Guard vessels. The team continued reviewing and updating the 2020 Census GQ Business Process Model and the Business and Capability Requirements. Staff are planning a small-scale field test of Service Based Enumeration in the Baltimore-Washington Metropolitan Area in late May 2016. The test will include 12 locations: two transitional shelters, two soup kitchens, and two regularly scheduled mobile food vans in each of the two geographic locations. The staff continues to work with application developers to finalize the design for the mobile device.

## Response Data

### **Summary of Activities (last 30 days) cont'd**

In support of the 2020 Census Questionnaire Assistance (CQA) operation, the team provided answers to vendor questions and posted an amendment to the 2020 CQA solicitation (Request for Proposal (RFP)) on February 4, 2016 to FedBizOpps. Training sessions for CQA source selection team members were conducted during the last two weeks of February to prepare for initial proposal evaluations. Initial proposals from vendors for the 2020 CQA solicitation were due February 29, 2016.

The Nonresponse Followup (NRFU) team worked to conduct a dry-run of training to be used for the 2016 Census Test, including both online and classroom training; for both enumerators and field supervisors. Additionally, the team continued its preparation for upcoming systems testing by refining and developing new systems integration scenarios.

### **Look Ahead (next 60 days)**

#### *Forms Printing and Distribution*

1. Print all production items needed for the 2016 Census Test.
2. Receive address files and begin addressing mailing packages for the 2016 Census Test.
3. Mail materials to 2016 Census Test respondents.

#### *Paper Data Capture*

1. Work with the integrated Computer Assisted Data Entry (iCADE) paper data capture system and the National Processing Center (NPC) to test and prepare for data capture for the 2016 Census Test.
2. Begin paper data capture operations at the NPC.

#### *Integrated Partnership and Communications*

1. For the 2016 Census Test:
  - a. Begin activities for the Integrated Partnership and Communications operation.
2. For the ICC:
  - a. Complete vendor proposal reviews.
  - b. Begin conducting oral presentations and discussions.

#### *Internet Self-Response*

1. Develop initial materials to stand up the Internet Self-Response Integrated Product Team.
2. Develop initial draft of the Internet Self-Response Detailed Operational Plan.

#### *Non-ID Processing*

1. Complete user acceptance testing of software/systems that will support Non-ID Processing for the 2016 Census Test, including both automated and manual (interactive) address matching and geocoding.
2. Participate in output testing to confirm that inputs for Non-ID test scenarios are reflected accurately in the output that goes to response processing.

## Response Data

### **Look Ahead (next 60 days) cont'd**

#### *Non-ID Processing cont'd*

3. Complete procedures and training materials development for manual matching and geocoding for Non-ID cases not resolved during automated processing in preparation for training clerical staff at the National Processing Center the last week of March.
4. Begin monitoring Non-ID Processing results and perform quality assurance checks, starting with the first day of self-response to confirm that Non-ID software and supporting systems are functioning properly.
5. Begin development of the 2020 Census Detailed Operational Plan for the Non-ID Processing operation.

#### *Update Enumerate*

1. Complete the Initial Business Proposal for Update Enumerate.

#### *Group Quarters*

1. Finalize the Group Quarters Electronic Transfer Capability Survey Closeout Report.
2. Continue discussions with the Department of Education to discuss implications of 2020 Census planned methodologies for enumerating residents living in student housing.
3. Hold kick-off meeting with representatives from maritime vessel agencies to discuss lessons learned from the 2010 Census and ways to improve data collection for personnel residing on maritime vessels.
4. Finalize the Test Plan and Study Plan for the small-scale field test of Service Based Enumeration in the Baltimore-Washington Metropolitan Area.

#### *Enumeration at Transitory Locations*

1. Define and further develop Business Process Models and Capability Requirements for the Enumeration at Transitory Locations operation.

#### *Census Questionnaire Assistance*

1. Conduct evaluation of initial proposals from vendors to the CQA solicitation.
2. Notify vendors of competitive range determination based on initial proposal evaluations.
3. Attend oral presentations conducted by vendors that are determined to be within the competitive range.

## Response Data

### **Look Ahead (next 60 days) cont'd**

#### *Nonresponse Followup*

1. For the 2016 Census Test:
  - a. Work on storyboards and requirements for the single outstanding enumerator training module.
  - b. Work on refinement of classroom training materials, for both enumerators and local supervisors of operations field staff, as a result of training dry-run feedback.
  - c. Continue preparation for NRFU systems and integration testing by defining test scenarios and systems evaluation criteria.
  - d. Participate in user acceptance test and systems integration testing associated with the Census Operations Mobile Platform for Adaptive Services and Solutions (COMPASS), the Census Bureau's Operational Control System for Reengineered Field Operations (MOJO), MOCS, and the Sampling, Matching, Reviewing, and Coding System (SMaRCS) applications in support of the 2016 Census Test.
2. Develop a Detailed Business Proposal that outlines key aspects of the development and management of the 2020 Census Nonresponse Followup project. Key aspects include: a project description, alignment with strategic plans and change initiatives, business goals of the project, rationale for the project, information technology involvement, and concept development information.
3. Begin development of the 2020 Census Nonresponse Followup Detailed Operational Plan.

#### *Response Processing*

1. Complete 2016 Census Test response data output testing in preparation for the official start of the Test.

## **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)**

During the month of February, the Redistricting Data Program (RDP) continued the 2020 Census Redistricting Data Program kick-off meetings in Alaska, California, North Carolina, and Minnesota. These ongoing visits provide the states an opportunity to ensure the Census Bureau hears their needs in regards to useful census redistricting data as required by Public Law (P.L.) 94-171. They also provide the states an opportunity to learn about the 2020 Census Redistricting Data Program, 2020 Census planning, and upcoming Census geographic partnership programs.

Congressional and state legislative districts continue to be verified or submitted for the 115<sup>th</sup> Congress and the 2016 State Legislative Districts.

Support for Phase 1 of the 2020 Census Redistricting Data Program, the Block Boundary Suggestion Project (BBSP), began with the January 6, 2016 national webinar on the use of the Census developed Geographic Update Partnership Software (GUPS). This support continued with a February 8, 2016 on-site training for the Commonwealth of Puerto Rico and a February 25, 2016 on-site training for the State of Massachusetts.

The annual release of the Citizen Voting Age Population (CVAP) tabulation created from the American Community Survey (ACS) 2010-2014 5-year estimates in support of voting rights was released to the public web on February 1, 2016.

### **Look Ahead (next 60 days)**

#### *Redistricting Data Program*

1. Continue the 2020 Census Redistricting Data Program kick-off meetings.
2. Continue biennial updates of congressional and state legislative districts (115th Congress).
3. Continue Block Boundary Suggestion Project.

#### *Count Review*

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

## Infrastructure

### **Description**

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

### **Summary of Activities (last 30 days)**

The Decennial Service Center (DSC) for the 2016 Census Test is open and providing customer support Monday through Friday from 9am to 9pm. The team has also begun coordinating with Decennial stakeholders to develop the support requirements for the Address Canvassing Test.

In support of the Field Infrastructure operation, Field Division successfully completed buildout activities and opened the Houston, TX and Los Angeles, CA Area Operations Support Centers (AOSCs). The Field Logistics team prepared, printed, kitted, and shipped administrative materials to the AOSCs. The Field Recruiting team continues to manage recruiting activities in the two 2016 Census Test sites. The Learning Management team procured licenses for the Learning Management System (LMS). In addition, the team prepared and submitted security assessment review documentation for review in preparation for acquiring the Authority to Test (ATT).

In support of the Decennial Logistics Management operation, the Decennial Logistics Management team and staff at the National Processing Center (NPC) are utilizing the Integrated Logistics Management System (ILMS) to link activities from planning and creation to final receipt of materials at the AOSCs in the 2016 Census Test sites.

In support of the IT Infrastructure operation, the Field Office IT Deployment team is working with the Houston and Los Angeles Area Operation Support Centers (AOSCs) to update some of the equipment in place. The team participated in planning and site selection activities for upcoming testing in Puerto Rico. The Mobile team has completed the development of mobile device management (MDM) software configuration profiles that will be used to secure the iOS and Android operating systems for upcoming field testing. Finally, the team has provided documentation required to develop associated field training.

### **Look Ahead (next 60 days)**

#### *Decennial Service Center*

1. Expand the support coverage of the DSC from five to seven days per week from 9am to 2am.
2. Work with Field Division to develop requirements for supporting Address Canvassing.

#### *Field Infrastructure*

1. Recruiting and Skills Assessment
  - a. For the 2016 Census Test:
    - i. Complete all recruiting activities.

## Infrastructure

### Look Ahead (next 60 days) cont'd

#### *Field Infrastructure cont'd*

2. Training
  - a. For the 2016 Census Test:
    - i. Acquire an ATT for the 2016 LMS.
    - ii. Conduct dry run of online and classroom training for enumerators and Local Supervisors of Operations (LSOs).
    - iii. Deploy the LMS into production.
3. Census Hiring and Employment Check (CHEC)
  - a. For the 2016 Census Test:
    - i. Onboard enumerators and LSOs at both Test Sites.
    - ii. Train AOSC staff to fingerprint enumerators.
    - iii. Deploy fingerprinting kits to both Test sites.

#### *Decennial Logistics Management*

1. For the 2016 Census Test:
  - a. Support the AOSCs with material management, which includes printing, kitting, and shipping of all materials needed for test operations.
  - b. Scale and test the ILMS for future implementation.

#### *IT Infrastructure*

1. Field Office IT Deployment
  - a. Order equipment for the Address Canvassing Test.
  - b. Continue to support initial planning and site selection activities for later field testing, including field office IT equipment design and deployment approach.
2. Cloud
  - a. Obtain security authorization for infrastructure, RTNP, and Primus (the Internet data collection system) components in the cloud.
  - b. Conduct failover contingency testing (i.e., Cloud to DMZ).
  - c. Shift to operations and execution in support of the 2016 Census Test.
3. Mobile
  - a. Coordinate and oversee delivery of first shipment of mobile devices to Houston and Los Angeles AOSCs from Device as a Service (DaaS) vendor.

# **Additional Updates**

## Oversight & Stakeholder Engagement

### Description

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

### Summary of Activities (last 30 days)

1. Conducted the 2020 Census Tribal Consultation Meeting in Fort Yates, North Dakota on February 5, 2016.
2. Hosted the United States Postal Service (USPS) on February 8, 2016 to discuss three topics: Address Quality, Undeliverable-as-Addressed (UAA), and Ancillary Services.
3. Hosted the USPS at the National Processing Center (NPC) on February 17, 2016 and February 18, 2016. The participants toured the NPC facility as well as the mail center in Louisville, KY. The purpose of the meeting was to gain knowledge of each other's processing and for the USPS to provide feedback on saving postage.
4. Hosted the National Academy of Sciences (NAS) at the NPC on February 18, 2016 to observe In-Office Address Canvassing.
5. Conducted 2020 Census Redistricting Data Program Kick-offs in:
  - a. Juneau, Alaska
  - b. Sacramento, California
  - c. Raleigh, North Carolina
  - d. St. Paul, Minnesota
6. Provided and briefed 2015 National Content Test race and ethnicity study plan to the OMB Interagency Working Group on Race and Ethnic Research on February 22, 2016.
7. Received OIG's final report for their engagement, *Efforts to Continuously Update the MTdb and LUCA Preparation*, on February 23, 2016.
8. Presented an update on the status of the 2020 Census at National States Geographic Information Council (NSGIC) Midyear Meeting in Annapolis, MD on February 24, 2016.

### Look Ahead (next 60 days)

#### *March 2016*

1. 2020 Census presentation at the Woodrow Wilson School, Office of Population Research, at Princeton University on March 2, 2016.
2. Participate in an International Workshop with the Hosei University Japan Statistical Research Institute and Statistics Bureau of Japan on the Survey Methodology of the Decennial Census in Tokyo, Japan on March 15, 2016 and March 17, 2016.
3. Conduct the 2020 Census Tribal Consultation in Washington, DC on March 24, 2016.
4. Participation at the Population Association of America's 2016 Annual Meeting on March 31–April 2, 2016.
5. Conduct webinar on the 2015 National Content Test race and ethnicity study plan for the Census Scientific Advisory Committee and National Advisory Committee on Racial, Ethnic, and Other Populations on March 17, 2016.

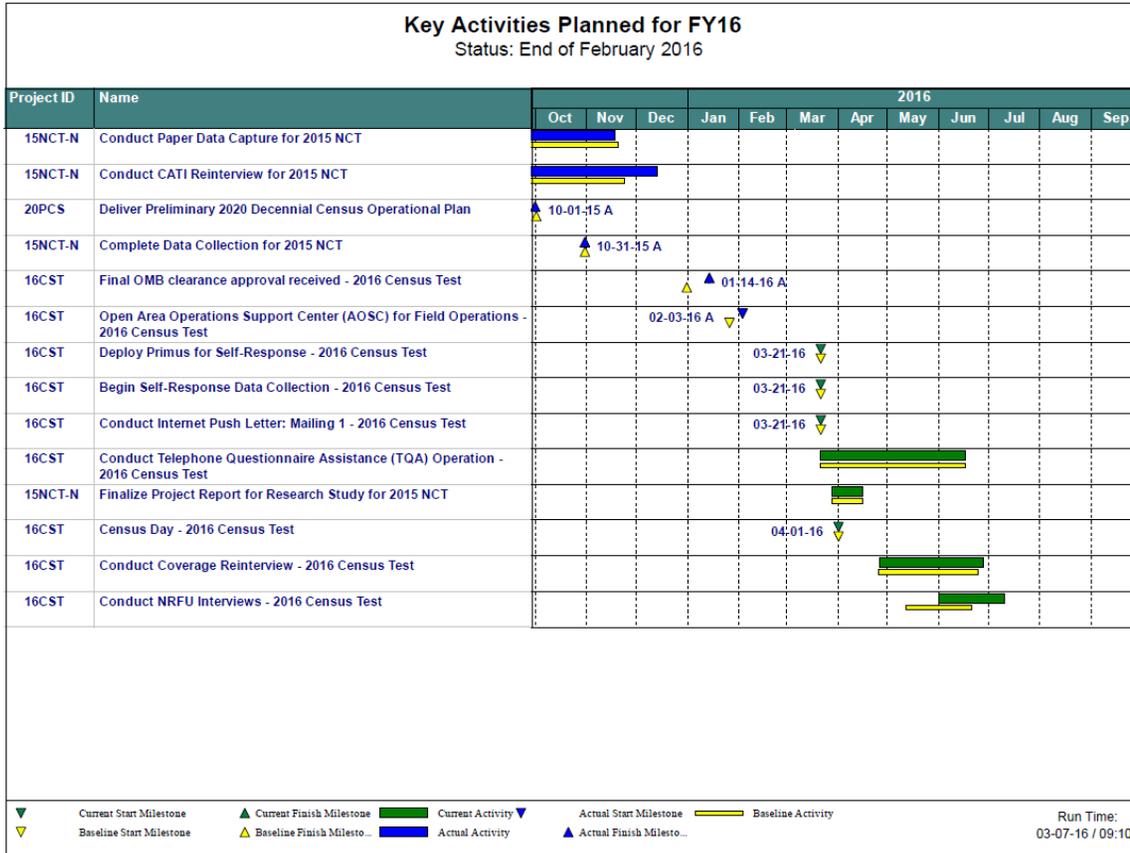
## Oversight & Stakeholder Engagement

### Look Ahead (next 60 days) cont'd

*April 2016*

1. Conduct the 2020 Census Program Management Review (PMR) on April 12, 2016.
2. Present at and participate in the Spring Census Scientific Advisory Committee meetings on April 14-15, 2016.
3. Discuss comments on the 2015 National Content Test race and ethnicity study plan at virtual meeting with National Advisory Committee on Racial, Ethnic, and Other Populations on April 21, 2016.
4. Present and answer questions about the 2015 National Content Test race and ethnicity study plan for the Leadership Conference on Civil Rights on April 28, 2016.

## Program Schedule Metrics Research & Testing



### Explanations for Project Start/Finish Delays

**Activity 15NCT-N: "Conduct CATI Reinterview for 2015 NCT"**  
Reason for Delay: Management approved the reinterview extension to 12/15/15.

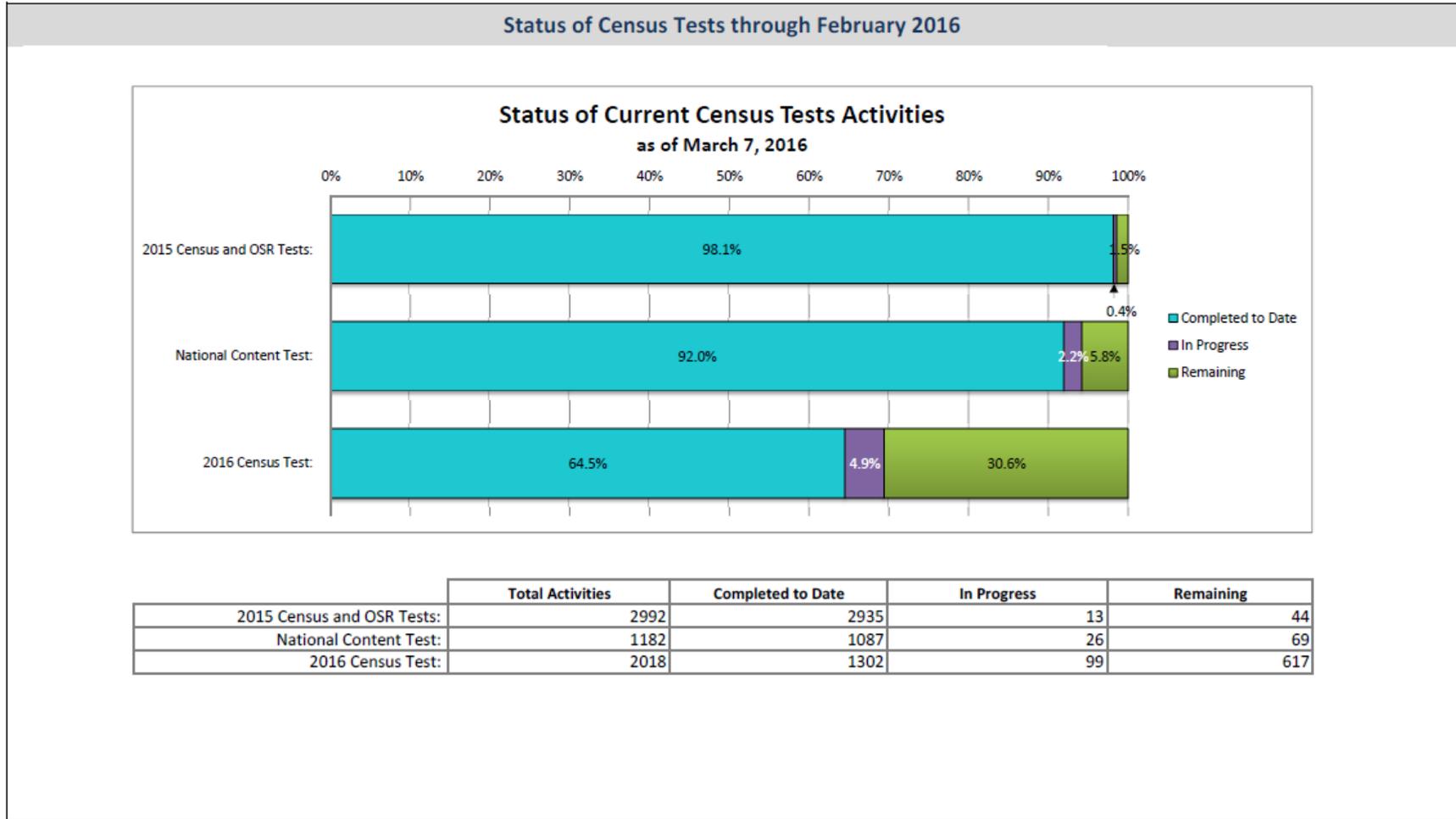
**Activity 16CT: "Final OMB Clearance Approval Received – 2016 Census Test"**  
Reason for Delay: OMB Clearance received on 01/14/16. We do not anticipate any impact on the program.

**Activity 16CST: "Open Area Operations Support Center (AOSC) for Field Operations - 2016 Census Test"**  
Reason for Delay: One of two AOSC offices opened on 1/26/16 (Houston) and the other (Los Angeles) opened on 2/3/16 due to a delay during the initial build out.

**Activity 16CT-11240: "Conduct Coverage Reinterview – 2016 Census Test"**  
Reason for Delay: Driven by an earlier activity "Conduct Coverage Reinterview Systems Test," which is running late due to an organizational change, this key activity will start on 3/21/16 based on TMO schedule. No impact on "Coverage Reinterview," for it is projected to start on time as originally planned.

**Activity 16CST: "Conduct NRFU Interviews - 2016 Census Test"**  
Reason for Delay: NRFU is running late due to Enumerator Online Training which was delayed by CHEC bringing in a vendor. Field's revision of Online Training after dry-run will be accelerated to mitigate the delay.

## Program Schedule Metrics Research & Testing



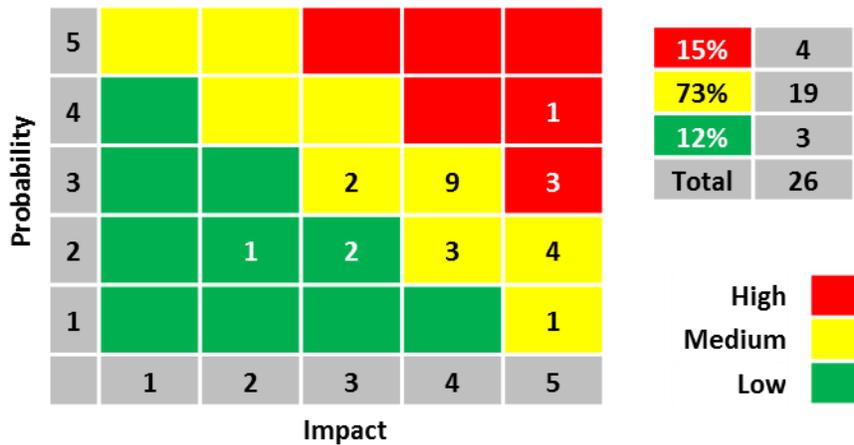
### **Program Budget / Costs as of January 31, 2016**

Since we were operating under a Continuing Resolution (CR) through December 22, 2015, we had not integrated our full year operating plans into the accounting system at the time of this report. As a result, we do not have the monthly plans to compute the monthly budget variances for each Work Breakdown Structure (WBS) area.

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

## Program-Level Life Cycle Risks



LC-002\_Cost Goal: Risk was closed because work completed during the Research & Testing phase shows that a design can be produced that does not negatively affect quality. Concerns about data quality are covered in LC-038\_Data Quality.

LC-032\_Reengineering Address Canvassing Operation: Lowered Probability Rating from 3 to 2 because recent analysis of the quality and coverage of the Master Address File (MAF), as documented in the Detailed Operational Plan for the Address Canvassing Operation, has led 2020 Census managers to believe the 25% In-Field Canvassing workload can be met.

# Appendix

## Appendix A

### Acronyms

ACS .....	American Community Survey
AMO .....	Area Manager of Operations
AMSD .....	Administrative and Management Systems Division
AOSC .....	Area Operations Support Center
ARM.....	Administrative Records Modeling
ASD.....	Application Services Division
ATAC.....	Automated Tracking and Control
AVI.....	[Telephone: robocall]
AVT .....	Address Validation Test
BYOD .....	Bring Your Own Device [The use of employee-owned equipment/services.]
CATI .....	<i>Computer Assisted Telephone Interviewing</i>
CCs.....	Contact Centers
CEDCaP .....	Census Enterprise Data Collection and Processing
CES.....	Center for Economic Studies
CMS .....	Center for Medicare and Medicaid Studies
COMPASS .....	Census Operations Mobile Platform for Adaptive Services and Solutions
CQA .....	Census Questionnaire Assistance
CR .....	<i>Continuing Resolution</i>
CSAC .....	Census Bureau's Scientific Advisory Committee
CSM .....	Center for Survey Measurement
DAPPS .....	Decennial Applicant, Personnel and Payroll System
DCBO .....	Decennial Communications and Budget Office
DCMD .....	Decennial Census Management Division
DDSSO .....	Decennial Directorate Support Services Office
DITD.....	Decennial Information Technology Division
DPMO .....	Decennial Program Management Office
DSSD .....	Decennial Statistical Studies Division
EFU .....	Evaluation Followup
ENUM .....	Enumerators in the Field
ENUMPREP .....	Enumeration Preparation
ES.....	English/Spanish, otherwise known as Bilingual
FMO.....	Field Manager of Operations
FY.....	<i>Fiscal Year</i>
FSCPE.....	<i>Federal-State Cooperative for Population Estimates</i>
GEO .....	Geography Division
GAO .....	<i>Government Accountability Office</i>
GPO .....	<i>Government Publishing Office</i>
GRF-C.....	Geographic Reference File-Codes
GRF-N .....	Geographic Reference File-Names
HU .....	Housing Unit
ICADE.....	Integrated Computer Assisted Data Entry System
ICC .....	Integrated Communications Contract
IMS .....	Integrated Master Schedule
IPT .....	Integrated Project Team
IRS .....	<i>Internal Revenue Service</i>
IT .....	<i>Information Technology</i>
JASON.....	[An independent scientific advisory group that provides consulting services to the federal government on matters of science and technology.]
LCO .....	Local Census Office
LMS .....	Learning Management System
LSO .....	Local Supervisor of Operations

LUCA ..... Local Update of Census Addresses  
 MAF ..... Master Address File  
 MAFUF ..... Master Address File Update File  
 MCM..... Mobile Case Management  
 MES ..... Mission Enabling Services  
 MMVT..... MAF Model Validation Test  
 MOCS..... Multi-mode Operational Control System  
 MOJO ..... [Term for Census Operational Control System for Reengineered Field Operations]  
 NAC ..... *National Advisory Committee*  
 NAS ..... *National Academy of Sciences*  
 NCT ..... National Content Test  
 “Notify Me” ..... [Census Bureau’s Pre-registration Tool]  
 NPC..... National Processing Center  
 NRFU ..... Nonresponse Followup  
 OCS..... Operational Control System  
 OIG ..... *Office of the Inspector General*  
 OMB ..... *Office of Management and Budget*  
 OSR ..... Optimizing Self-Response  
 PM ..... *Program Management*  
 PMR..... Program Management Review  
 PVSed ..... [To make data private and secured]  
 QC..... *Quality Control*  
 R&T ..... Research and Testing  
 RCC ..... Regional Census Center  
 RFI ..... *Request for Information*  
 RFP ..... *Request for Proposal*  
 RO..... Regional Office  
 ROCKIT ..... Reorganized Census with Integrated Technology [Reengineered Field Operations]  
 RRB ..... Risk Review Board  
 RTNP..... Real-Time Non-ID Processing  
 RTOCS ..... Research and Testing Operational Control System  
 SDLC ..... Systems Development Lifecycle  
 SE ..... *System Engineering*  
 SIMEX ..... Human in the Loop Simulation  
 SLC..... Survey Life Cycle  
 TIGER ..... Topologically Integrated Geographic Encoding and Referencing  
 TMO..... Technologies Management Office  
 TQA ..... Telephone Questionnaire Assistance  
 UAA ..... *Undeliverable As Addressed*  
 UAT..... *User Acceptance Test*  
 UCRM ..... Universe Control and Response Management  
 UECT ..... Universal Enumeration and Control Table  
 UHE..... Usual Home Elsewhere  
 USPS ..... *United States Postal Service*  
 UT..... Users Test  
 UTS ..... Unified Tracking System  
 WLM ..... Workload Management

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