

SUPPORTING STATEMENT
U.S. Department of Commerce
U.S. Census Bureau
2010 Census Coverage Measurement Final Housing Unit Followup, Final Housing Unit
Followup Quality Control, and the Evaluation of Address Frame Accuracy and Quality
OMB Control # 0607-XXXX

A. Justification

1. Necessity of the Information Collection

The U.S. Census Bureau requests authorization from the Office of Management and Budget to conduct the Census Coverage Measurement (CCM) Final Housing Unit Followup (FHUFU) and Final Housing Unit Followup Quality Control (FHUFU QC) Operations as part of the 2010 Census. Changes have been made to this request since the notice was published in the *Federal Register* (April 1, 2010 on page 16424). The Evaluation of Address Frame Accuracy and Quality (AFAQ) has been added. Details of this evaluation were not yet available at the time of the notice. The CCM program will provide estimates of *net coverage error* and *components of census coverage* (including omissions and erroneous enumerations) for housing units and persons in housing units (see Definition of Terms). The data collection and matching methodologies for previous coverage measurement programs were designed only to measure *net coverage error*, the difference between the estimate of the true population count and the actual census count.

The 2010 CCM will be composed of two samples selected to measure census coverage of housing units and the household population: the population sample (P sample) and the enumeration sample (E sample). The primary sampling unit is a block cluster, which consists of one or more contiguous census blocks. The P sample is a sample of housing units and persons obtained independently from the census for a sample of block clusters. The E sample is a sample of census housing units and enumerations in the same block clusters as the P sample.

The paper FHUFU form will be used to collect additional address information for addresses selected for followup. The CCM FHUFU operation attempts to collect additional information that might allow a resolution of match/ nonmatched codes for addresses in the CCM address list and the census address list, including whether occupied or vacant on Census Day (April 1, 2010) and also to resolve potential duplicates of the two lists.

A quality control operation, FHUFU QC, will also be conducted on 55 percent of the FHUFU cases. The purpose of the operation is to ensure the work performed is of acceptable quality.

In addition to the CCM FHUFU and FHUFU QC Operations, the Evaluation of AFAQ will be conducted, as part of the 2010 Census Program for Evaluations and Experiments (CPEX). The purpose of this evaluation is to evaluate the accuracy of the Master Address File (MAF) after the completion of all Census operations, including the 2010 Address Canvassing operation. While

the majority of the Evaluation of AFAQ will rely heavily on the results of CCM, two additional small field operations are required.

The first field operation scheduled for the Evaluation of AFAQ will provide information on the accuracy of the delete and duplicate actions applied to living quarters in the 2010 Address Canvassing operation. Clerical matchers will attempt to match the living quarters with a delete or duplicate action to the living quarters found in the CCM operation and unresolved cases will be sent to the field for follow up. Enumerators will only follow-up on cases where the status of the living quarters is in question, to determine the true status.

The second field operation of the Evaluation of AFAQ will provide information on the accuracy of the geocodes in the 2010 Census. Clerical matchers will attempt to identify addresses coded by CCM as “missing” from the census, by searching outside the CCM sample block cluster. Enumerators will follow-up on any unresolved cases, and also any cases where census units were listed in the wrong block within a CCM sample cluster.

Title 13, United States Code, Section 141 authorizes the Secretary of Commerce to conduct a decennial census of the population, and Section 193 authorizes the Secretary to conduct tests to gather supplementary information related to the census.

2. Needs and Uses

The CCM program will provide estimates of *net coverage error* and *components of census coverage* (including omissions and erroneous enumerations) for housing units and persons in housing units (see Definition of Terms). The CCM FHUFU resolves discrepancies between the matching of the P sample and census address file in sample block clusters and surrounding blocks, reviewing only changes to the census address file since Initial Housing Unit matching.

During CCM FHUFU, interviewers collect additional information for addresses unresolved after matching operations. The CCM FHUFU operation attempts to collect additional information that might allow a resolution of match/ nonmatched codes for addresses in the CCM and the census address list, including whether occupied or vacant, and also to resolve potential duplicates. The FHUFU data collection form will be created via Docuprint technology. The questions included for each followup case will vary depending upon the reason the address is being sent to followup.

There will be two FHUFU Forms, D-1340 (see Attachment A) and D-1340 (PR) (see Attachment B). The D-1340 is the English version of the form. It contains preprinted questions to ask respondents, depending upon the reason the address is being sent to followup. It will be used in CCM sample areas in the 50 states (excluding remote Alaska) and the District of Columbia. The D-1340 (PR) is the Spanish version of the form, and will be used only in the CCM sample areas in Puerto Rico. Interviewers will contact a member of each housing unit (or proxy, as a last resort) to answer the questions identified for a given address. When applicable, they will also update the location of an address on the CCM block cluster map created during the CCM Independent Listing operation. The Evaluation of AFAQ will use the English version of

the FHUFU form, but will contain a different form number, Form number D-1340(EVAL), and different title, Address Frame Accuracy and Quality Form. The Evaluation of AFAQ will not be conducted in Puerto Rico.

Completed FHUFU Forms are subject to Quality Control (QC) wherein QC interviewers return to the field to check a sample of housing units in each block cluster to ensure the work performed is of acceptable quality. If the cluster fails the QC, then the QC interviewer reworks the entire block cluster. The Evaluation of AFAQ will not have a QC component.

There will be two FHUFU QC Forms, D-1325 (see Attachment C) and D-1325 (PR) (see Attachment D). The D-1325 is the English version of the form. It contains the identifiable information of the FHUFU housing units to be checked for acceptable quality. The QC interviewer will use this form and the D-1340 following the same procedures the production interviewer used to conduct the QC. The D-1325 (PR) is the Spanish version of the form and will be used only in the CCM sample areas in Puerto Rico.

Information quality is an integral part of the pre-dissemination review of data by the Census Bureau (fully described in the Census Bureau's Information Quality Guidelines located at <http://www.census.gov/quality/>). Information quality also is integral to the information collections conducted by the Census Bureau and is incorporated into the clearance process required by the Paperwork Reduction Act.

3. Use of Information Technology

The automation efforts for the 2010 CCM survey instruments are focused on the CCM Person Interview (PI) and PI Reinterview. Those interviews will be conducted using laptop computers. The FHUFU interview, however, will use paper questionnaires. Therefore, information technology was not tested in the FHUFU activities for the 2010 CCM survey.

4. Efforts to Identify Duplication

CCM operations are designed to collect information to evaluate the methods used in the 2010 Census and possibly identify new approaches to more accurately measure and prevent (as possible) coverage error (net and for components) for housing units and persons in future censuses. This includes estimates of the number of people and housing units duplicated. This effort does not duplicate information collected by any other agency.

5. Minimizing Burden

The proposed information collection for the FHUFU and FHUFU QC operations consists of collecting information about housing units, not businesses or group quarters, in the CCM sample blocks. The proposed information collection for the Evaluation of AFAQ consists of collecting information about living quarters, not businesses, inside and surrounding the CCM sample blocks.

6. Consequences of Less Frequent Collection

Improving census coverage is one of the major goals of reengineering the 2010 Decennial Census Program. If these activities were not conducted, it would adversely affect our ability to measure the coverage of the population in the 2010 Census.

Measuring the accuracy of the Census Address Frame is key to understanding the quality of the Census. If these activities were not conducted, it would adversely affect our ability to maintain and improve our Address Frame, and therefore adversely affect future surveys and censuses.

7. Special Circumstances

No special circumstances exist.

8. Consultations Outside the Agency

The Census Bureau has historically conducted research to evaluate results for the decennial census. We benefit from consultation with a variety of data users, including, but not limited to academics, national researchers, and community leaders. These individuals, and members of the National Academy of Science and the Decennial Advisory Committees are well-known scholars and social or political activists, and are respected as spokespersons for their communities and organizations. Both now and in the past, we have responded to advice obtained through this ongoing consultation process.

The Census Bureau published a notice in the Federal Register on April 1, 2010 (Vol. 75, No. 62, PG 16,424), inviting public comment on our plans to submit this information collection. No comments were received.

9. Paying Respondents

Respondents participating in this survey will not receive any form of compensation for their participation.

10. Assurances of Confidentiality

The FHUFU and FHUFU QC operations comply with the requirements of the Privacy Act of 1974, the Paperwork Reduction Act, and provisions of Title 13, U.S. Code.

The FHUFU interviewer will give each respondent in the 50 states and the District of Columbia a copy of the Form D-31(CCM-FHUFU), U.S. Confidentiality Notice (see Attachment E); in Puerto Rico the interviewer will give each respondent a copy of the Form D-31(CCM-FHUFU)PR, Puerto Rico Confidentiality Notice (see Attachment F). The Confidentiality Notice explains that any information given to the Census Bureau will be held in strict confidence. It

also informs each respondent that participation is mandatory.

For the Evaluation of AFAQ, all respondents will be informed that participation is voluntary, that their responses are confidential, and that all information that could identify individuals will be held in the strictest confidence under applicable Federal statutes. This evaluation complies with the requirements of the Privacy Act of 1974 and the Paperwork Reduction Act.

11. Justification for Sensitive Questions

The Census Bureau perceives no question in the CCM FHUFU or Evaluation of AFAQ questionnaires as being sensitive.

12. Estimate of Hour Burden

The estimated workload is approximately 24,496 housing units for CCM FHUFU in selected census blocks in the 50 states, the District of Columbia, and Puerto Rico. From the FHUFU workload, we will select a sample of approximately 55 percent of housing units (13,473 housing units) for FHUFU QC. If a block cluster fails the quality check, the entire block cluster will be reworked. The estimated reworked housing units are 11 percent of the FHUFU workload, or 2,695 housing units. To calculate the burden hours, we assumed a theoretical 100 percent response rate to the 40,664 contacts and an approximate completion time of three minutes per case. The estimated total annual respondent burden for the FHUFU and FHUFU QC operations is approximately 2,034 hours.

The estimated hour burden for the Evaluation of AFAQ is minimal. The first field operation on duplicate and delete actions is expected to be no greater than 5,000 living quarters in the 50 states and the District of Columbia. To calculate the burden hours, we assume a theoretical 100 percent response rate and an estimated average interaction time of three minutes per living quarter. The estimated total respondent burden is approximately 250 hours. The second field operation to support measuring the amount of misgeocoded units in the Census is expected to be no greater than 15,000 living quarters in the 50 states and the District of Columbia. This is based on similar misgeocoded evaluation work conducted after Census 2000. To calculate the burden hours, we assume a theoretical 100 percent response rate and an estimated average interaction time of three minutes per living quarter. The estimated respondent burden for the second operation is approximately 750 hours. Combined, the Evaluation of AFAQ field work total respondent burden for 20,000 contacts is 1,000 hours.

13. Estimate of Cost Burden

There is no cost to respondents, except for the time it takes to respond to the questions.

14. Cost to the Federal Government

The cost incurred by the Census Bureau to conduct the FHUFU field operation is estimated to be about \$3,352,596. An interdivisional Census Bureau team developed the data collection methodologies. The Census Bureau's Decennial Management Division allocated the resources

for the effective and efficient management of the information.

The cost incurred by the Census Bureau to conduct the Evaluation of AFAQ delete and duplicate fieldwork is estimated to be about \$138,328. The cost incurred by the Census Bureau to conduct the Evaluation of AFAQ misgeocoded fieldwork is estimated to be about \$414,983. The Census Bureau's Decennial Management Division allocated the resources for the effective and efficient management of the information.

15. Justification for Change in Burden

This request for clearance pertains to a new data collection effort.

16. Project Schedule

Activity	Schedule	
	Start Date	Finish Date
Conduct FHUFU Interviews	05/05/11	06/15/11
Conduct FHUFU QC Interviews	05/11/11	06/18/11
Conduct Evaluation of AFAQ delete and duplicate fieldwork	10/01/10	12/31/10
Conduct Evaluation of AFAQ misgeocoded fieldwork	09/01/11	12/31/11

17. Request to Not Display Expiration Date

No exemption is requested.

18. Exceptions to the Certification

There are no exemptions to the certification.