



## **Introduction to CPro (Census and Survey Processing System)**

3-Week Workshop: June 4 – 22, 2012

U.S. Census Bureau, Washington, D.C.

This workshop will present the main components of CPro (Census and Survey Processing System). Participants will learn to design and implement Data Entry, Batch Editing, and Tabulation applications to process census and survey data. Participants will also learn about ways to manage data, export data for use in other statistic software packages and to create data dissemination products.

The workshop focuses on processing a demographic census or survey, but participants are encouraged to bring any census or survey questionnaire relevant to their job responsibilities. The workshop is conducted in a hands-on, product-oriented environment. Each participant will have exclusive use of a computer and will receive the latest version of CPro software.

### **Contents of the three-week workshop:**

- Data dictionary
- Data entry (including CAPI)
- Batch editing
- Tabulation
- Dissemination tools (TRS, MapViewer)
- Data file management utilities
- Product-oriented
- Hands-on experience
- Develop specifications for CPro applications
- Develop prototype CPro applications
- Design overall data processing systems with emphasis on quality assurance
- Examples of various applications

### **Audience and Prerequisites:**

This is an introductory course oriented toward computer programmers, IT professionals and subject-matter specialists such as statisticians, demographers and economists who wish to use CPro to implement census and survey data processing systems, or who wish to understand this process in some detail. No previous experience using CPro is required although experience using scripting languages is desirable. Participants must be comfortable working with Windows-based software.

**Date:** June 4 – 22, 2012

**Place:** U.S. Census Bureau Headquarters  
Suitland, Maryland (near Washington, D.C.)

**Tuition:** US \$3,500

Apply early. The workshop will be limited to 18 participants. Those who complete the application requirements will be accepted on a first-come, first-served basis. For more information email [ipcta@lists.census.gov](mailto:ipcta@lists.census.gov).

## **APPLICATION PROCESS**

### **Obtaining Sponsorship**

Individuals or organizations wishing to participate in the June 4 – 22, 2012 CSPro workshop must find a sponsor who will pay the cost of the training. The U.S. Census Bureau regrets that we do not have fellowship funds available nor can we make recommendations to potential sponsors.

The general steps in obtaining sponsorship are as follows:

1. The candidate obtains his/her organization's approval for this course.
2. A written request for training is sent to a potential sponsor. Usually, this request is made through the Minister of Planning or Foreign Affairs or Civil Service Commission in the candidate's country. In some cases, a request can be made directly by individual candidates or nominating agencies. The request should contain a detailed description of the training activity desired, estimated cost, candidate's qualifications and a justification of how the training will benefit the candidate's employer.
3. Individuals or organizations interested in statistical training programs must submit an application form. Official nomination forms of donor organizations may also be used. All acceptances of candidates are conditional upon receiving official confirmation from the sponsoring agency that it approves the training request and agrees to fund the program costs. The candidate and/or sponsoring agency is responsible for arranging a travel clearance with his/her government and obtaining a valid passport and visa.

### **Potential Sponsoring Agencies**

Participants in these workshops are typically sponsored by their own government, by the United Nations or its affiliated agencies, by the World Bank, by other international or regional organizations such as the Organization of American States or the Asia Foundation, by private foundations such as the Ford Foundation, by the U.S. Agency for International Development (USAID) country missions, or by other bilateral donors.

### **U.S. Agency of International Development (USAID)**

Requests for USAID funding should be made through the USAID Mission or USAID in-country representative. Historically, Missions have funded a substantial portion of their training through large participant training projects, monitored by either the Education/Human Resource Office or the Training Officer. In a number of Missions, such projects still exist, but increasingly, training is funded through projects focused on such sectors as population, health, education, labor, agriculture, private sector development, etc. In the latter case, proposed training should be discussed with the appropriate sector officer. The best way to ensure support for your training needs is to participate in the project development process.

### **United Nations (UN)**

Requests for funding through the United Nations are usually handled by the resident country representative of the United Nations Development Program (UNDP). Specialized agencies of the UN also have a resident country representative in many countries. Some of the specialized agencies which offer fellowships include the Population Fund (UNFPA), World Health Organization (WHO), Food and Agriculture Organization (FAO) and Children's Fund (UNICEF).