

# CENSUS SCIENTIFIC ADVISORY COMMITTEE WORKING GROUP GUIDELINES

## BIG DATA

### **Purpose**

The group will address census policies, research and methodology, tests, operations, communications/messaging, and other activities to ascertain needs and best practices to improve censuses, surveys, operations and programs. The group will provide scientific and technical expertise from the following disciplines: business and data analytics, operations research, statistics, Information Technology, marketing and other fields of expertise, as appropriate, to address Census Bureau program needs and objectives.

### **Working Group Focus**

Use of Big Data collection, management, processing, and analytical techniques in concert with administrative records and field operations to reinvent the Census Bureau's methods of:

- a. Collecting and tabulating current economic and demographic surveys and censuses
- b. Engaging respondents in its data collection efforts
- c. Developing new policy and socially relevant products
- d. Validating the statistics it produces
- e. Providing transparent and understandable measures of accuracy
- f. Distributing results and/or providing a platform for new research

The group will provide formal review and feedback on internal and external working papers, reports, and other documents related to the design and implementation of census programs and surveys.

### **Working Group Meetings and Members**

- Working Group meetings will be held once a month.
- Membership in the Working Group will consist of 3-6 Scientific Advisory Committee (CSAC) members (one will be designated as the Working Group Lead).

### **Working Group Deliverables**

- A work plan that details the Working Group's activities
- Findings and report

### **CSAC Members**

- Noel Cressie, Distinguished Professor, National Institute for Applied Statistics Research Australia (NIASRA), University of Wollongong.
- Jack Dangermond, President, Environmental Systems Research Institute (ESRI).

## **CENSUS SCIENTIFIC ADVISORY COMMITTEE WORKING GROUP GUIDELINES**

- Peter Glynn, Chair, Department of Management Science and Engineering, Stanford University.
- Guillermina (Willie) Jasso, Silver Professor and Professor of Sociology, New York University.
- Roberto Rigobon, Professor of Applied Economics, Massachusetts Institute of Technology.
- Kenneth D. Simonson, Chief Economist, The Associated General Contractors of America.

### **Census Bureau Staffing/Subject Matter Experts**

- William G. Bostic, Jr., Associate Director for Economic Programs
- Ron S. Jarmin, Assistant Director for Research and Methodology