

U.S. Bureau of the Census  
Center for Economic Studies  
Research Data Centers  
Handbook for Researchers

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## Preface

Welcome to the Census Bureau's Research Data Centers, managed and operated by the Census Bureau's Center for Economic Studies (CES) and its RDC partners. We hope that your research project goes smoothly and is successful. To help accomplish this, we provide this manual so that you will know what to expect at each stage your RDC project.<sup>1</sup> You are responsible for knowing the rules, regulations, and policies explained in this manual.

*IMPORTANT NOTE: Your research project at a Census Research Data Center (RDC) affords you opportunities to carry out unique research arising from the ability to access and explore confidential micro records. But the opportunities come at a price. Your research will take place under a set of rules and limitations that will be considerably more constraining than those prevailing in typical research environments. An important purpose of this manual is to explain these constraints to you.*

*The constraints stem from the legal requirements to meet the conditions of your appointment as a researcher at the RDC -- particularly the requirement to maintain confidentiality of the underlying microdata files to which you have been granted access, and the requirement that your project benefit Census Bureau data programs.*

This manual is organized as follows.

- Chapter 1 explains the legal requirements to maintain confidentiality of the microdata at the RDCs and the legal basis for your obtaining access to the data. In some cases, these requirements come not only from the Census Bureau, but also from other agencies that provide data to the Census Bureau or sponsor surveys. These requirements underlie all the policies described in the rest of the manual.
- Chapter 2 explains the life cycle of an approved research project at CES and summarizes the policies and procedures you must adhere to at each stage – from your first contact with us until your final checkout, and beyond.
- Chapter 3 explains in detail the policies and procedures you must follow in obtaining release of the research output you wish to remove from the secure RDC laboratory. Most importantly, it lays out policies related to protecting the confidentiality of the data and outlines the procedures you must follow to obtain release of your research results.
- Several appendices provide supplemental material. Appendix A is a brief glossary of terms used in this manual. Appendix B provides a template for the Account and Data Request form you must use to request a computer account. Appendix C contains templates of the Request for Clearance of Research Output, which you must submit when requesting release of any research output from the RDC facility. Appendix D is a template of the User Provided Data form, which you must submit whenever you are requesting that data be uploaded to the RDC computer systems for use in your project. Appendix E provides summaries of and excerpts from the laws underlying the policies in this manual.

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<sup>1</sup>. For purposes of this handbook, the term "Research Data Center (RDC)" includes all of the restricted-access facilities operated by the Census Bureau's Center for Economic Studies and its RDC partners, including the facility operated by CES at Census Bureau headquarters.

## Table of Contents

Preface.....	1
Chapter 1: Introduction - General Regulations and Policies .....	4
The Legal Requirement to Maintain Confidentiality of Data at an RDC .....	4
Conditions for Restricted Access to Microdata -- Your Special Sworn Status .....	5
Chapter 2: The Life Cycle of Research at the Research Data Centers .....	6
During Your Stay at the RDC .....	6
<b>Obtaining Access to the Secure RDC Office</b> .....	6
<b>Obtaining Access to RDC Computer Facilities</b> .....	6
<b>Useful Documents</b> .....	7
<b>Scheduling Lab Time</b> .....	7
<b>Annual Renewals: Special Sworn Status (SSS) and Data Security Training</b> .....	8
<b>Annual Project Progress Reports</b> .....	8
<b>Maintaining Physical, Computer, and Data Security</b> .....	8
<b>Maintaining Confidentiality and Obtaining Release of Research Output</b> .....	9
<b>Getting Support</b> .....	9
<b>Adding New Researchers to Project</b> .....	9
<b>Adding an Additional RDC site to the Project</b> .....	9
<b>Obtaining New Data or Carrying Out Different Research</b> .....	10
<b>Seminars and Conference Presentations</b> .....	10
<b>Producing CES Discussion Papers</b> .....	10
<b>Providing Papers and Research Reports</b> .....	10
<b>Requesting Extensions on Projects</b> .....	10
Exit Process .....	11
<b>Documenting Benefit to the Census Bureau</b> .....	11
<b>Documenting Your Research</b> .....	11
<b>Backing Up and Archiving Data and Programs</b> .....	11
<b>Returning Badge or Keys</b> .....	11
After Exit .....	11
<b>Returning for Follow-up Work</b> .....	11
<b>Exit Interview</b> .....	12
<b>Continue to Provide Papers</b> .....	12
Chapter 3: Data Access, Confidentiality, and Disclosure Analysis Policies and Procedures .....	13
General Policies on Maintaining Confidentiality of Data and Clearing Release of Research Output.....	13
Disclosure Avoidance Review: Rules and Considerations.....	16
CES Policy on Qualitative Discussion of Regression Results outside RDCs and by Telephone.....	17
Disclosure Analysis .....	18
Basics of Disclosure Analysis.....	18
Concentration Rules.....	18
Cell Suppression - Primary and Secondary Disclosure Analysis .....	20

Disclosure Analysis Rules for CES and the RDCs.....	20
Disclosure Analysis Rules for Tabular Output.....	21
Disclosure Analysis for Other Distributional Characteristics .....	26
Disclosure Analysis for Model Output.....	28
Disclosure Analysis for LEHD (Mixed Economic and Demographic) Data.....	29
Preparing Files for Disclosure Avoidance Review.....	30
Clearing Research Results .....	31
Clearing Other Files – Programs and Research Notes.....	32
Preparing the Clearance Request Memo.....	36
Requesting File Clearance using the Disclosure Avoidance Review Tracking System (DARTS) in the CES Project Management System .....	38
Decisions and Release of Output.....	40
Release of Output From Other Agencies’ Data .....	40
Release of Output Using AHRQ or NCHS Data .....	40
Projects using AHRQ or NCHS data exclusively.....	41
Projects using Combinations of Census, AHRQ and NCHS data .....	41
Bibliography .....	42
Appendix A: Glossary .....	44
Appendix B: Clearance Request Memo.....	58
Appendix C: User-Provided Data Memo.....	61
Appendix D: Legal Information.....	62
Census Bureau Legislation – Title 13 U.S. Code .....	62
General Information.....	62
Protection of Confidential Information -- Sections 9 and 214.....	62
Authority for Temporary Staff (Special Sworn Status) – Section 23(c).....	63
Data Programs Authorized by Title 13 Chapter 5 .....	63
Other Title 13 Data Programs.....	65
Protecting Federal Tax Information (FTI) – Titles 26 and 18, U.S. Code.....	66

## Chapter 1: Introduction - General Regulations and Policies

This chapter explains the legal requirements you must meet to maintain the confidentiality of microdata at the RDC, and the legal basis for your obtaining access to the data. You will see that in some cases the requirements are not only those of the Census Bureau, but also those of other agencies that provide data to the Census Bureau or sponsor surveys. These requirements underlie all the policies described in the rest of the manual.

### ***The Legal Requirement to Maintain Confidentiality of Data at an RDC***

The microdata underlying the Census Bureau's data programs are confidential under Title 13 of the U.S. Code (U.S.C.). These microdata were collected directly by the Census Bureau in various surveys and Censuses, and they include statistics that quantify the activities of individual business establishments, firms, households, or individuals. Disclosure of confidential information obtained from Census Bureau surveys is illegal under Title 13. Officially or otherwise, the Census Bureau may not release publicly any data that reveal the identity of individual respondents or information about them. The Bureau gives a pledge of confidentiality to the respondents, the purpose for which is concern for respondent privacy. In addition, there are practical reasons to ensure confidentiality: Publication (even inadvertent) of confidential microdata records would most likely reduce cooperation with the data collection programs.

To become a researcher at an RDC, the Census Bureau must grant you Special Sworn Status (SSS), as described below. Under your SSS, you are subject to the same legal penalties as regular Census Bureau employees for disclosure of confidential information. The penalties are a fine of up to \$250,000, imprisonment for up to five years, or both. Moreover, your obligation to maintain confidentiality of any microdata you have accessed continues for the rest of your life.

Data collected under Title 13 include virtually all Census Bureau microdata sets available at the RDCs. However, other agencies' laws may also be applicable, and in such cases you will be required to abide by the legal requirements and confidentiality procedures of *both* agencies. For example:

- Your project may be approved to use administrative data that another agency supplies to the Census Bureau under legal agreements.
  - A primary example is Federal Tax Information (FTI) the Internal Revenue Service provides to the Census Bureau for use in carrying out programs authorized under Chapter 5, Title 13 U.S.C. These programs are the Economic and Decennial Censuses and their related survey programs. The relevant laws are Titles 18 and 26 U.S.C. The IRS provides the Census Bureau with certain data. Appendix E provides a brochure that summarizes requirements that must be met in carrying out projects that use FTI. It also provides references to more detailed information. Note that *all* researchers at an RDC must undergo training in the proper use and protection of FTI, whether or not their projects use FTI, because in an RDC researchers might inadvertently see FTI.

- Your project may be approved to use confidential microdata collected by the Census Bureau under Title 13 for another agency. An example is the Current Population Survey, which is collected by the Census Bureau under Title 13 for the Bureau of Labor Statistics. Researchers may legally use these data for statistical and research purposes only, as is stated in Title 42, U.S.C., Section 3789g.

We will inform you of any additional requirements.

### **Conditions for Restricted Access to Microdata -- Your Special Sworn Status**

The Census Bureau has granted you Special Sworn Status (SSS) to carry out a specific research project that has been approved by the Census Bureau. As a researcher with SSS, you are given restricted access to the specific data required for your approved project. Under Title 13, these data may be used only for *statistical purposes*; that is, to generate an aggregate description of a group of persons or businesses. Data collected for statistical purposes may not be used to make decisions regarding a specific individual or business. For more information, see Appendix A on terminology. SSS is authorized by Title 13 U.S.C. 23 (c) "to assist the Bureau of the Census in performing the work authorized by this title." The Census Bureau may provide SSS to an individual in the following cases:

- When an individual has expertise or specialized knowledge that can contribute to the accomplishment of Census Bureau projects or activities or engages in a joint project with the Census Bureau;
- When an individual is employed by an agency/organization performing a service for the Census Bureau under contract or providing information to the Census Bureau for statistical purposes;
- When Federal law requires an individual to audit, inspect, or investigate Census Bureau activities.

*It is important that you understand that the Census Bureau's use of researchers with SSS is to further its agenda. The discretionary authority to swear in researchers with SSS rests with the Census Bureau. No individual has a "right" to appointment nor is the Census Bureau obligated to appoint a person who may believe the Census Bureau needs his or her expertise. In approving your research project, the Census Bureau has made the judgment that your activities can contribute to the success of Census Bureau data programs or lead to improvements in them. We have found that granting access to microdata by qualified researchers for specific projects results in mutual benefits to the Census Bureau, the researchers, and their scientific fields, and provides information useful to decision makers.*

## **Chapter 2: The Life Cycle of Research at the Research Data Centers**

This chapter provides a summary and overview of what you can expect in doing research at the Center for Economic Studies or the Research Data Centers. One of the purposes of the chapter is to give you an understanding of certain perhaps unaccustomed constraints on your activities, particularly if you are used to carrying out research in an academic environment. As explained in the previous chapter, these constraints arise mostly from the two legal requirements - to protect confidentiality of the data and to produce benefits to Census Bureau data programs.

### **During Your Stay at the RDC**

The following summarizes policies governing your residence at the RDC: renewing SSS and training, maintaining security, maintaining confidentiality and obtaining release of research output, obtaining new data or carrying out different research, progress reports, and giving seminars and conference presentations.

### **Obtaining Access to the Secure RDC Office**

The RDC office is tied to a security system that meets Census Bureau specifications (e.g., electronic card key, combination lock, alarm system). You will be given the proper procedures for entry (e.g., your own key code, card, lock combination, and/or door key). Your RDC Administrator will guide you through the security and access procedures particular to your specific RDC.

You will be given a federal Census Bureau badge that will give you access to the main RDC door. This is the property of the US Government. As stated on the back of the badge, “This credential is the property of the United States Government. Counterfeiting, altering, or misusing violates section 499, Title 18 of the U.S. Code.” If you lose your badge, immediately notify your RDC Administrator. Moreover, at the end of the project (or once you stop working on a project), you will be responsible for returning your badge.

### **Obtaining Access to RDC Computer Facilities**

The standard computing equipment at RDCs are X-Terminals (thin-client computing devices) that are used to communicate with secure servers housed in the Census Computer Center in Bowie, MD. Through the thin client device, you will have remote access — only from within the RDC secure facility — to the CES servers containing your project data and files. All data storage and data processing are performed on these servers. No Title 13 or Title 26 data files are physically on site at any RDC.

Thin Client Computing for the RDCs has the following characteristics:

- Data are stored in a format determined by CES to be best suited to support research activities (e.g., as SAS datasets).
- A limited range of statistical software is available for researcher usage.
- Access to the central servers is accomplished at the RDC via an x-terminal. All data process work is conducted on the central servers, and no actual data processing is performed at an RDC thin client machine.

- All thin-client machines are currently running RedHat Linux. No portable media devices (e.g., floppy, CD/DVD, or USB drives) are available.
- The RDC computer network is isolated from other networks, which means that within the laboratory you will have no access to email or the World Wide Web.
- You will be accountable for your computer use through the use of passwords and system logs. Please refer to the Thin Client User Guide for password guidelines.

Each researcher will get an individual project account on the server. By now, you should have already received an Account and Data Request Form from CES, signed it and sent it back to CES. Your RDC administrator will coordinate your account activation with the CES data staff. ***Please note that your project's duration will officially begin when the first person on your project logs into his/her project account for the first time.***

CES will issue you a Thin Client Users Guide to help you become oriented to the system.

### Useful Documents

You will receive a packet of materials, including

- A copy of this manual;
- Thin Client User Guide;
- An electronic template of the memo you must submit to provide for releases. (We call this the *clearance request form* or *clearance request memo*. Chapter 4 describes this document in detail and the process of obtaining clearance. (A paper copy is provided in Appendix C of this handbook)
- An electronic template of the User-Provided Data Memo which must accompany any outside data you would like to bring into the lab (data must be part of your approved project, or required to help you obtain the benefits promised in your approved project). Please note: many frequently used public-use datasets are already loaded onto the RDC servers under the /public directory. (A paper copy is provided in Appendix D of this handbook.)

Other useful documents available in the RDC may include data documentation, survey forms, software manuals, and/or SAS or Stata programming books. These materials will vary across RDCs. Ask your RDC Administrator what is available at your RDC. Some data documentation is available in the directories for the corresponding datasets on the RDC server. Many useful working papers and data documentation can also be found online at the CES website at [www.ces.census.gov](http://www.ces.census.gov).

### Scheduling Lab Time

At some RDCs, you may need to schedule your laboratory time. In your proposal, you will have specified the length of term and some pattern of use.

- If your lab use will be intermittent, you should schedule your visits well in advance. If you do not, it may cause problems in scheduling other researchers and could result in your not having access to a lab terminal at your desired times.
- It is especially important for you to be aware of when the term of your agreement will expire. You

can check on this date by looking at your project record in the CES online management system. Your RDC Administrator will also be able to provide you with this information.

*IMPORTANT NOTE: We will give priority to researchers who adhere to their schedules and schedule visits in advance.*

### **Annual Renewals: Special Sworn Status (SSS) and Data Security Training**

It is required that your SSS be renewed every year, and this renewal coincides with the badge expiration date on your Census badge. Once your SSS has been renewed, you will receive a new badge with a new expiration date. Please notify your RDC Administrator 30 days in advance that your badge is going to expire. You will not be able to enter the RDC without your new badge.

The following Awareness Training modules need to be renewed at the beginning of each fiscal year. These should be completed in late fall (October or November) or when notified by your RDC Administrator that the new fiscal year training is available. The CES online management system will also send reminders to renew each of the following training modules thirty days before they are due. Please remember to keep your e-mail address up to date in the management system so that you can receive these reminders and other important notices.

- Title 13 Awareness Training (web-based)
- Title 26 Awareness Training (web-based)
- Information Technology Security Awareness Training (web-based).

Awareness Training for Rules of Behavior for Information Technology Systems may also need to be renewed on an annual basis.

### **Annual Project Progress Reports**

You must submit annual progress reports on your project to your RDC administrator. The report should describe the progress that is made towards achieving the benefits to the Census Bureau proposed in your research project. This report should also include any new benefits that may have been realized as a result of your work on your RDC project. Your RDC Administrator will provide the template.

### **Maintaining Physical, Computer, and Data Security**

The RDC lab has both physical security and computer security procedures, and a related set of policies, that you must follow. The security and related policies stem from the need to meet the conditions under which you have been granted access to the data for your project and the need to protect the confidentiality of the data. The official CES policies on Office Security, Computer Security, Data Access, and Confidentiality are listed in the Account and Data Request Form that you signed and sent in to CES. A copy of this form is included in this Handbook as Appendix B.

The RDC office has a security system that meets Census Bureau specifications (e.g., electronic card key). Your RDC administrator will give you the proper procedures for entry. Your RDC Administrator should

also review with you the security policies specific to that RDC, including what to do and whom to call in an emergency, what to do if you accidentally set off an alarm, building evacuation routes and procedures, etc.

### **Maintaining Confidentiality and Obtaining Release of Research Output**

Chapter 3 details CES policies on maintaining confidentiality of the data. It also provides instructions for obtaining release of research output. CES policies regarding disclosure analysis are also listed in the Account and Data Request Form (Appendix B).

### **Getting Support**

You may have data or subject matter questions during your project. **Please begin by addressing questions to your RDC administrator.** The administrator may be able to answer your question or may put you in touch with a CES or other Census Bureau employee who can answer the questions. We believe that having contact with CES and Census Bureau experts can provide benefits both to your project and to the Census Bureau's data programs. However, we need to manage this process so that you obtain the support you need in a way that does not overburden the staff, and so that we can maintain a record of support given and of your suggestions for improvements to Census Bureau data programs.

Also, even though you will have access to the lab during non-business hours (including holidays), support during these times will be limited. This will be true during the winter as well – if the government is shut down, support will be limited.

### **Adding New Researchers to Project**

The Principal Investigator on a project can request addition of new researchers to the project. The Principal Investigator on the project must submit a written request to the RDC Administrator. New researchers must have accounts on the CES website and be added to the project record. The second step is for them to apply for Special Sworn Status and take all the necessary training. Your RDC administrator will coordinate this.

### **Adding an Additional RDC site to the Project**

If one of the researchers on your project lives or works closer to a different RDC than the rest of the project team (e.g., due to that person moving or due to having/adding a co-author in another town), then you can request adding an additional RDC lab as a secondary work site for your project. Please note that the project must show that there is a “substantial presence” at the secondary site, meaning that one of the project researchers will be accessing the project at the secondary site for a significant period of time. Secondary sites will **NOT** be approved for brief periods of access, such as a project researcher wanting to work at a secondary site for two weeks while on a vacation or research trip. The RDC Administrator at the project's primary site is responsible for administration of the project. **Moreover, fees may apply at each RDC.**

The PI on the project needs to send the request to the RDC administrator (RDCA) at the primary site in order to add a new site. The RDCA at the primary site will notify the RDCA at the new site. The Executive Directors at both the primary site and the new site need to approve of the addition (including

any potential fees). If the request is approved, the local RDCAs will make the necessary arrangements for researcher access.

### **Obtaining New Data or Carrying Out Different Research**

Under your Special Sworn Status you may carry out only your approved research project using the data specified in your approved research proposal and your project agreement. If you wish to conduct research using a different/additional Census data set, you must submit a new proposal to be sent through the regular review process. The same applies to a new line of research that is not covered in your approved research proposal. If you have a new idea, please discuss it with your RDC Administrator. The RDCA will work with CES to determine if the idea falls within the scope of your existing project. Note that CES will not release output that does not fit in the current scope of the project.

### **Seminars and Conference Presentations**

We encourage you to present your work in seminars and at conferences, including seminars in your local area. However, all output presented to persons without SSS status must undergo disclosure review and clearance. Any presentations or reports must contain the standard disclaimer, shown on page 15.

### **Producing CES Discussion Papers**

You are required to submit at least one research paper produced as part of the project for inclusion in the CES Discussion Paper series (or any other appropriate Census Bureau series.) *Inclusion in such series does not preclude inclusion in any other paper series* (e.g., university or NBER working paper series.) For submission procedures, contact your RDC administrator

### **Providing Papers and Research Reports**

You must provide copies to CES (via your RDC administrator) of all published research papers and reports resulting from your RDC research project. These are crucial parts of your project records.

**IMPORTANT NOTE:** You will be allowed to start a new project only when you have provided us with all available project reports and papers from any previous projects.

### **Requesting Extensions on Projects**

Extensions are strongly discouraged and are granted only in rare circumstances. CES considers these requests on a case-by-case basis. You must request a project extension at least 90 days in advance of your project's end date. Your extension request must contain a rationale that focuses on why the additional time is needed to provide the proposed benefits to the Census Bureau. In addition, you must submit a document that summarizes the benefits that have been realized so far in your project. See the next paragraph for further explanation.

## **Exit Process**

### **Documenting Benefit to the Census Bureau**

As explained previously, as a researcher with Special Sworn Status, you are carrying out a project that aids the Census Bureau in its mission. You described these benefits in your proposal and benefits statement (also called a Predominant Purpose Statement). Therefore, you will be required to submit a Post-Project Certification (PPC) summarizing the key findings pertinent to Census Bureau Chapter 5, Title 13 programs, including whether/how the accomplished benefits differed from those proposed and describing their potential application. Often this PPC is accompanied by a technical memorandum, which explains the benefits in detail. This technical memorandum may contain confidential information that will not be released to the public.

**IMPORTANT NOTE:** *We will not release your final research output before you have provided this document. Moreover, you will not be allowed to return as a researcher unless you submit it.*

### **Documenting Your Research**

You must provide documentation of data sets and programs for any output you use in a report, memo, or paper -- whether you remove them from the Bureau or not. For a variety of reasons, it is important that CES and perhaps other researchers (including yourself) be able to reproduce any results that appear in print. Therefore, for any tabulation or model output you take out, you must provide the program, the log (if the statistical software produces a log), and the output. We will ask you for this information as part of the process of clearing your research output for release.

Moreover, and very importantly, you should trace the evolution of your data sets from the initial data sets we provide you (and that you may bring to the project) to the data sets that give your research results and the statistical output generated. This trail should include program and data set names, and should be sufficiently detailed that CES staff members could reproduce your work. See Chapter 3 for more details.

### **Backing Up and Archiving Data and Programs**

The CES project (thin client) servers are backed up regularly. If you lose a file and wish to have it restored, please contact your RDC administrator.

Your research files will be archived at the end of your project. The current CES data archive police will keep your research files for seven years. However, any files in your home directory (/home) will not be archived. Be sure to move these to your project directory (/rdcprojects).

### **Returning Badge or Keys**

We will require you to return your Census badge and other issued keys, where applicable, when you exit or whenever you will not be on site for a significant amount of time. Any codes you were given for a door or for an alarm will be disabled at that time.

## **After Exit**

### **Returning for Follow-up Work**

Our policy is to allow researchers to return to the primary RDC without additional charge for reasonable

amounts of follow-up work in response to a journal referees' comments for a “revise & resubmit.” The typical situation involves carrying out additional model estimations. As a guide, a "reasonable" amount of work:

- Uses no new data or research samples;
- Asks for release of a small amount of output that is very similar to output previously released, and otherwise does not cause disclosure problems;
- Is carried out in less than 3 weeks.

Note: Currently, to access the RDC lab for follow-up work after your project term expires, you must submit the following:

1. A letter requesting re-admission for follow-up work
2. The letter from the journal editor and the referees' comments
3. The Post-Project Certification (PPC) document
4. A statement of new benefits to the Bureau from the follow-up work

The PPC for the original project must be approved before the request for reactivation of the project will be reviewed by CES. In addition, projects accessing Federal Tax Information (i.e., economic data) will require IRS approval of both the PPC and the reactivation request.

*Please consult with your RDC administrator well in advance to determine the requirements.*

### **Exit Interview**

At the end of your project, you must go through an exit interview. At this time you will be reminded of your obligations, including the fact that the Oath of Confidentiality is a lifetime obligation.

Note: Currently, to carry out follow-up work (other than that required for a “revise & resubmit”) for projects using Federal Tax Information after your project term expires, you must submit a new proposal under the standard proposal review process. *Please consult with your RDC administrator well in advance to determine the requirements.*

### **Continue to Provide Papers**

You must provide us copies of **all** published research papers and reports resulting from your RDC research project, even if it is long after your project ends. These are crucial parts your project records. As stated previously, we strongly encourage you to submit research papers for inclusion in the CES Discussion paper series; this does not preclude inclusion in any other working paper series.

## Chapter 3: Data Access, Confidentiality, and Disclosure Analysis Policies and Procedures

This chapter presents policies and procedures you must follow in protecting the confidentiality of Census Bureau data supplied for your project, and in clearing your research results for release. The first section of this chapter gives general policies relating to maintaining confidentiality and obtaining release of your research output. The second section describes confidentiality protection in general and the Census Bureau rules for releasing output. The third and fourth sections give specific procedures for preparing files and submitting a request for disclosure avoidance review using the Disclosure Avoidance Review Tracking System (DARTS). The final section discusses the procedures for releasing output which uses data from other agencies.

This chapter gives policies and procedures concerned with protecting confidentiality of data supplied to you by the Census Bureau under Title 13, U.S.C., and possibly also protected by Title 26 U.S.C. (Federal Tax Information provided by IRS). The chapter does not discuss the rules or the information required for releasing output based on data supplied by the National Center for Health Statistics (NCHS) or the Agency for Health Care Research and Quality (AHRQ).<sup>2</sup> It does, however, cover the process for the submission of requests to these agencies – see the section, “[Release of Output From Other Agencies' Data](#)”. If you have questions about what is required for review, please contact these agencies for more information.

### **General Policies on Maintaining Confidentiality of Data and Clearing Release of Research Output**

- *Absolutely no data and/or research results may leave the facilities without being examined and approved by the CES Disclosure Officer or a designated RDC Administrator.* This applies especially to confidential information on individuals, households, establishments, and firms – including microdata; sensitive identifiers such as names and addresses; and the presence or absence of an establishment, firm, household, or individual person in a survey.
  - *CES releases approved research output only electronically; we do not release output in paper form.*
- Handwritten notes may not be removed from the RDC.* Handwritten notes should be treated as confidential materials. If you want notes released, type them up and request disclosure review. *Do not put undisclosed results (from memory) into any email, even to Census Bureau employees and even if you think they would pass disclosure review.*
- *You must not discuss individual respondents or specific results that have not been cleared -- in your research papers; via email, phone, or fax; or in casual conversation -- with persons outside Census Bureau facilities. This includes discussion with other project researchers with Special Sworn Status when you are not in a secure Census Bureau facility (e.g., inside the RDC). Qualitative discussions are allowed **under certain conditions**. For more about these*

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<sup>2</sup> An exception: The Census Bureau carries out the Medical Expenditure Panel Survey – Insurance Component (MEPS-IC) for AHRQ under Title 13 U.S.C. This survey is supplied by the Census Bureau and is covered here.

conditions, see [The CES Policy on Qualitative Discussion of Regression Results outside RDCs and by Telephone](#).

- *Even revealing that an entity is in the data is a disclosure.* In IRS terms, this is revealing the fact-of-filing.
- *The Census Bureau considers it important not only to avoid disclosure of confidential information, but also to avoid the **perception** of disclosure.* If respondents perceive that their confidential data is being or will be disclosed, they will be less likely to participate in Census Bureau data collections, whether or not there is any actual disclosure.
- *The parameters in certain disclosure rules themselves are confidential.* Revealing these rules is considered a disclosure and violators will be dealt with accordingly. This policy is explained in the section, "[Disclosure Analysis](#)".
- It is your responsibility to protect the data:
  - *You must meet with the RDC administrator at the **beginning** of your project* to discuss confidentiality and security policies and procedures.
  - *Use data only as authorized, only for project-related purposes.* Confidential Census data may be used only for purposes authorized by the U.S. Census Bureau, and IRS data may be used only for purposes authorized by the Internal Revenue Code. **Casual browsing of confidential data is illegal.** For more detail about protecting IRS data, see Title 26, Appendix B, U.S. Code.
  - *Keep the RDC secure at all at all times.*
    - Make sure the door is secured whenever you leave.
    - Store confidential data in a secure, enclosed cabinet when not in use.
    - Ensure that listings and computer screens with confidential data are never visible to visitors or other non-authorized users.
    - Close your thin client session when you leave.
  - *Dispose of all confidential data properly.* Shred or lock up project-related materials when you are not using them.
  - *All RDC printers are configured to place the following watermark on all printouts: "Disclosure Prohibited - Title 13 U.S.C. and Title 26 U.S.C."* If the label or watermark does not appear, please report this to your RDC Administrator immediately.
  - *The creation of any printout with FTI must be recorded in one of the CES FTI Printout and Disposal Logs.* Ask your RDC administrator where the log is located. The destruction (shredding) of any printout with FTI must also be logged. NOTE: only printouts with actual FTI need to be recorded in the logs. **FTI printouts that need to be logged are those printouts for economic and SSA projects only that would not pass disclosure** (even if you do not submit it for disclosure). If you are in doubt, log it.
- *Results must fall within the scope of the approved project.* CES will not release results that are determined to be outside the scope of the approved project topic. If your research idea has changed or you have a new research idea, contact your RDC Administrator to discuss whether or not the new research falls within the scope of the approved project.

- *The release of "intermediate output" (i.e., output that you know will not appear in a publication) is STRONGLY DISCOURAGED.* Producing intermediate output for examination inside the RDC is not problematic – removing it, however, can be. Since intermediate output often consists of detailed tables of preliminary descriptive statistics, or large numbers of similarly specified regression models, often based on ‘thin’ samples, releasing this type of output can increase disclosure risk for several reasons. For example, releasing similar tables based on changing samples (adding or dropping small numbers of observations) causes complementary disclosure problems, since comparison of the released data tables may reveal information on who is in the sample as well as their characteristics.
- *CES requires projects to emphasize model output rather than tabular output.* Tabular output typically consists of small one- or two-dimensional tables of variables that describe the samples that appear in the models. CES will not approve removal of large tabulations that were not explicitly described in the approved proposal. Moreover, review of large amounts of tabular output requires significant resources on the part of Census Bureau staff and will be sent to the Disclosure Review Board for review.
- *You must provide the appropriate documentation and prepare files as described in the section “[Preparing Files for Disclosure Avoidance Review](#)”.* Inappropriately documented or formatted requests will simply be **NOT APPROVED**, and another request will need to be submitted.
- *It takes time to conduct disclosure analysis, and you must account for this in your project planning.* CES will not make rushed clearance decisions for events such as conference deadlines or the end of a project. Inform your RDC Administrator as soon as you know you will need release of research output, and the approximate date you will need the output.
  - Plan to meet, as early as possible, with your RDC Administrator and/or the reviewer of your clearance request. This will minimize learning time on both sides, avoid costly misunderstandings, and speed approval of your clearance requests.
  - For a typical release of output, we recommend allowing for 3 weeks from the date of submission to receipt of the final cleared file(s) – this includes NCHS and AHRQ review of output. Properly documented and formatted files can help to minimize the agency review time.
  - For a typical release of programs or research notes, we recommend allowing for 3 business days for receipt of cleared program files. Please see the section, “[Clearing Other Files – Programs and Research Notes](#)” for more information about having these files released.
  - Review times can be longer in certain cases; e.g., if the output has to go to the Census Bureau’s Disclosure Review Board (DRB) or if there is a large amount of output being requested.
- *You must use a [standard disclaimer](#) on all research papers and reports that indicates that your views/results do not represent the opinions or views of the Census Bureau.* Your research products are not considered official Census Bureau data products since they do not undergo an official Census Bureau review to ensure that they meet certain Bureau standards. The disclaimer may be modified to fit the number of authors and to include disclaimer information regarding other organizations. Please check with your RDC Administrator to see if there are any RDC specific acknowledgements that should be included. The disclaimer follows:

**DISCLAIMER:** Any opinions and conclusions expressed herein are those of the author(s) and do not necessarily represent the views of the U.S. Census Bureau. All results have been reviewed to ensure

*that no confidential information is disclosed.*

***For research output produced from 2004-2007, please add the following acknowledgement for the NSF grant that provided funds for the entire RDC Network: Support for this research at the \_\_\_\_\_ RDC from NSF (ITR-0427889) is also gratefully acknowledged.***

### **Disclosure Avoidance Review: Rules and Considerations**

This section describes the rules for releasing output and programs from the Research Data Centers. The information included in this section provides basic information for typical requests for release in the RDC Network. More complex or new types of output will require additional consideration. Moreover, the references at the end of this chapter can be used to obtain more detailed information about the disclosure rules and techniques discussed here.

In short, any information that is based on an individual respondent, on a small sample, or on a highly concentrated cell will **NOT** be released. The following table provides some general guidelines for different types of output that are not allowed as opposed to those that are allowed. These are illustrative examples only and do not cover all scenarios.

<b>Description of Output</b>	<b>Not Allowed ...</b>	<b>Allowed ...</b>
Minimum or maximum values	For individual-level observations	For aggregated observations (e.g., county, industry) if the cell meets disclosure rules
Summary Statistics	For highly concentrated industries or those based on an individual-level observation	For cells that pass disclosure rules
Regression Coefficients	For variables based on a small number of observations	For continuous variables or dummy variables based on a large number of observations where the cell sizes pass disclosure rules
Scatter Plots	If points based on individual observations that have not been smoothed	If points based on aggregated observations (e.g., county, industry) if the cells meet disclosure rules.
Distributional Graphs	Histograms	Kernel Density Plots (tails may need to be suppressed)
Graphs	If some or all points are based on small or highly concentrated cells	If points based on small or highly concentrated cells and the graph has been smoothed or the axes have been suppressed
Programs	If unique identifiers or other hard-coded numbers that have not been cleared are embedded within the program	If the sources of the numbers are documented (to ensure that data are not embedded within the program)
Variable Listings	File layouts or proc contents <sup>3</sup>	Short list of variables without

<sup>3</sup> Some zero observation files have been released for use in the Virtual RDC. These have undergone thorough review. Please check the Virtual RDC if you need access to file layouts or proc contents outside the RDC.

[Hhttp://www.vrdc.cornell.edu/news/](http://www.vrdc.cornell.edu/news/)

### ***CES Policy on Qualitative Discussion of Regression Results outside RDCs and by Telephone***

Under certain conditions, researchers with Special Sworn Status at Census Bureau RDCs may discuss the *signs and significance* of undisclosed, model-based coefficient estimates outside the RDC or over the phone without case-by-case Census Bureau review (or with expedited review of a notes document). Such discussions may include comparing the signs and significance of coefficients across different models -- e.g., “in model A, the coefficient of income is larger than in model B, and its standard error is smaller”; or “both coefficients are significantly different from zero”. However, numeric results should not be discussed specifically. In general, these practices follow the standard rules for clearance of research notes. The discussions should be general and should not reveal any information about individual observations. The underlying sample should also pass disclosure. For example, researchers may discuss whether the model includes individual effects (e.g., person or firm effects) but may not identify whether any particular individual observations are included in the models. (For example, they may not discuss dummy variables that represent particular firms or known groups of firms -- e.g., the “big 3” in an industry.) The researcher is urged to be as general and qualitative as possible.

If the researcher requires notes for the discussion, these need to be reviewed and released electronically, though they will be given an expedited review (see [Clearing Other Files: Programs and Research Notes](#)). **Handwritten notes should NOT be removed from the RDC.** To be released, notes must be qualitative: discussion of signs and significance with no numbers. Notes must also be based on an underlying sample that would pass full disclosure review; however, full documentation (as is expected for release of numeric output) is not required. For discussions with non-SSS researchers, the researcher must document the following information either in an email to the RDC administrator or in an electronic document in the disclosure folder (please notify the RDC Administrator of the location of the document):

- that the SSS researcher intends to discuss signs and significance of intermediate results from his or her project with a particular non-SSS researcher or group of researchers,
- that, based on the researcher’s knowledge of the data, the underlying sample includes enough units (firms, households, individuals) to pass a disclosure analysis,
- that the estimates are only being discussed verbally (and the researcher will not leave any written materials with the audience if being discussed as part of a formal presentation),
- that the estimates are only being discussed verbally (and the researcher will not leave any written materials with the audience if being discussed as part of a formal presentation),

If notes are being released for the discussion with non-SSS researchers, those four items could also be included as an introductory paragraph in the document.

If you need something between this type of qualitative release and a full release of output, please discuss this with your RDC Administrator. Just keep in mind, that this type of request may take longer than the qualitative release. Moreover, nothing in the qualitative request policy should be interpreted as changing the requirements for formal release of model-based results for distribution outside the RDC.

## **Disclosure Analysis**

This section describes specific requirements for carrying out disclosure analysis for your requested output.

Disclosure analysis involves producing supporting statistics, in addition to the output you want released, that shows that your requested output reveals no confidential information about individual respondents to Census Bureau surveys or censuses.

In this version of the manual, we have tried to make the requirements more uniform than in the past. In addition, we have covered more types of output. We believe this will reduce the number of questions researchers ask about the process of releasing output.

All supporting statistics described here should be placed in the “support” subdirectory for your disclosure request, and not in the “output” subdirectory. The organization of these disclosure files directories is discussed later in the section “[Clearing Research Results](#).”

### Basics of Disclosure Analysis

At CES and the RDCs, disclosure analysis has two basic considerations:

- The output must not reveal any confidential information about any particular firm, establishment, household, or individual. Two general types of rules are used to determine whether a disclosure has occurred. We describe each in detail later.
  - *Threshold (count) Rule:* Any output cell containing a number of observations (contributors) below a certain threshold is considered a disclosure. These rules are usually used for both demographic (household and individual) data and economic (business firm and establishment) data.
  - *Concentration Rules:* Here, the quantity displayed in the cell must not be too concentrated (i.e., dominated by a few firms). If it is too concentrated, it will be possible for an intruder to determine too closely the value of any contributor to the cell. We discuss two such rules below, the p% rule and the (n,k) rule. These rules are usually used for tables involving business (establishment and firm) magnitude data, such as shipments or sales.
- Your requested output must not reveal that any particular firm, establishment, household, or individual has participated in a Census Bureau data program (survey or census). This consideration typically comes into play when combining Census Bureau data with outside data sets. For example, a complete 100% match to an external microdata set is a breach of this requirement – the “unmatched” external sample ensures Census survey participation uncertainty.

### Concentration Rules

Concentration rules are usually applied to economic magnitude data. Economic magnitude data are typically presented as tables of aggregates of the values reported by individual census or survey

respondents. Examples are sales (or value of shipments), employment, or inventory. The Census Bureau publishes a multitude of tables of this type, broken down by industry, geography, and other characteristics. These tables also include marginal and overall totals. The values in these tables are additive, in the sense that the value for an aggregate of cells (e.g., a marginal total) is the sum of the values in the cells. Though much of the literature on disclosure focuses on release of aggregates, the same rules are applied to regression output. The basic idea to keep in mind when applying disclosure rules is that each statistic, coefficient, number, etc. to be released has underlying it a sample of original person or firm observations in the microdata. That underlying sample must be demonstrated to pass disclosure, as documented in supporting statistics that have applied these rules.

Disclosure analysis for this type of table is a complex topic, with a large and rapidly developing literature. Two summaries are in FCSM (2005, chapter IV) and Hundepool et al (2007, chapter 4). These documents are in /public/disclosure as well as on the web. The following is a brief summary designed to give researchers some basic background.

In economic data, the distributions of the variables are often highly skewed, so that a few firms (even one) may account for most of the value in a cell; i.e., the cell is highly concentrated. We cannot allow the release of output that comes “too close” to revealing any individual firm’s value. To make this practical, we must have criteria for deciding when release of the information in a cell as tabulated comes “too close” to disclosing confidential information. Such a cell is called *sensitive*, and we use mathematical rules for determining which cells are sensitive. Two such rules are called the *p% rule* and the *(n,k) rule*. These rules acknowledge that the other firms contributing to the cell total (the firm’s competitors) are the ones in the best position to determine the values contributed by the other firms represented in the cell. Under the *p% rule*, a cell is sensitive if the second largest firm can determine the largest firm’s value to within *p%*. The value of the rule parameter *p* is considered confidential. The Census Bureau currently uses this rule in its publications. Under the *(n,k) rule*, which is used in older Census Bureau publications (before 1992), a cell is sensitive if the largest *n* members of the cell contribute more than *k%* of the cell total. The values of rule parameters *n* and *k* are also considered confidential.<sup>5</sup>

CES uses a combination of the rules, reflecting the times when each has been effect. The general principle is that we use the rules in effect for the particular survey and year in question. The general rules are stated [here](#):

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<sup>4</sup> An emerging literature addresses disclosure rules for model based statistical results. For example, see Rezneck (), Rezneck and Riggs (). Arnie, a little spotlight please.

<sup>5</sup> For the values of *p*, *n*, and *k* used at the Census Bureau, the two rules give very similar results. The *p%* rule is considered superior for reasons given in the references cited above. For the parameters the Census Bureau uses, the *(n,k)* rule suppresses a few more cells than the comparable *p%* rule; in that sense, it oversuppresses. CES began using the *(n,k)* rule, and we have not changed to maintain consistency across years. However, the Census Bureau largely switched to the *p%* rule in the 1992 Economic Census, so CES practice has not been entirely consistent with Census Bureau practice. With this version of the researcher manual, we will use the rules in the [Htext box](#)H.

**Standard Primary Disclosure rules for research output based on economic data (from business establishments and firms):**

- The p% rule applies for statistics in cells that represent
  - individual years 1992 and later
  - multiple (pooled) years 1992 and later
  
- The (n,k) rule applies for statistics in cells that represent
  - individual years 1991 and earlier
  - multiple (pooled) years representing a period both before 1992 and 1992 or after (e.g., a table from data representing both 1991 and 1992).

The values of p, n, and k are confidential. Your RDC administrator will give you their values. They may be revealed only to individuals with Special Sworn Status who need to know them.

### Cell Suppression - Primary and Secondary Disclosure Analysis

We must ensure that *all* the individual observations in the table are protected. The traditional method of protection is *cell suppression*, where the value in the sensitive cells, as determined by either the p% or (n,k) rules, are not released. Cells suppressed in this way are called *primary* suppressions. For example, indicator variables used as controls (e.g. industry dummies) are often run in regressions but not reported in released output. They contribute to the estimates, but are often suppressed from the released output. For model output, this is usually sufficient. For tabular output, primary suppression is only rarely enough to protect the values of sensitive cells in additive tables. For example, if only one cell were sensitive and suppressed, its value could easily be determined by subtraction using the marginal totals. For this reason, we must suppress other cells, which are called *secondary suppressions*. To do this properly is very complex and involves linear programming techniques. It is by far the most difficult part of disclosure analysis<sup>8</sup> for tables, and is the main reason why CES does not allow complex tables.<sup>9</sup>

### **Disclosure Analysis Rules for CES and the RDCs**

The basic rule at CES and the RDCs for disclosure analysis of demographic and Decennial Census output is the threshold rule. The basic rules for disclosure analysis of economic output are a combination of the threshold and the concentration rules.

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<sup>6</sup> For example, see Jewett (1992) p. 1-D-4.

<sup>7</sup> Another main reason is that it is not the mission of the RDC program to generate tables to supplement those tables released in official publications.

<sup>8</sup> For example, see Jewett (1992) p. 1-D-4.

<sup>9</sup> Another main reason is that it is not the mission of the RDC program to generate tables to supplement those tables released in official publications.

For consistency, we will ask you to produce the same supporting statistics for many types of output . This may not be strictly necessary, but the output we request should cover almost all situations, so it should save time by making things more predictable.

We provide sas and stata programs that you can use to carry out primary disclosure analysis. These programs are available in /public/disclosure. The programs do not contain the values of the parameters  $p$ ,  $n$ , or  $k$ . Your RDC administrator will give these values to you, and you must not reveal them to anyone outside the special sworn members of your project team. To do so is considered a disclosure of confidential information.

**Important Reminder: Carry Along Identifiers in Your Data Sets**

To apply the rules stated in this section using computer programs, you need to have firm, establishment, household, and individual identifiers in your data sets. Please remember to keep these variables, even if you are not using them for any other purpose!

If we find problems or estimates that do not meet our criteria for release, we will do one of the following things:

- Ask you to *collapse*—that is, combine—certain cells. This will avoid disclosure problems at the expense of output detail, and is the preferred course of action.
- *Suppress* (e.g., replace by "D") the numbers in the affected cells. As described above, we will almost always need to carry out complementary (secondary) suppression on other cells. Complementary suppression is by far the more difficult, time-consuming part of the disclosure analysis exercise. We will only allow release of relatively simple tables (such as those generally found in journal articles) for which secondary disclosure can be carried out simply.
- Ask you to reconsider the output, by asking yourself what you are trying to show and what other ways you can show it besides tables. For example, you may be able to summarize the information in the cells rather than showing all the cells.

Finally, we state some general (and obvious but worth emphasizing) guidelines:

- Statistics computed from large samples will require minimal review, because person or business counts are likely to be well above thresholds (and concentration of businesses will tend to be low).
- Statistics computed for detailed industry/geographic areas will require more intensive review.
- We reserve the right to take any output to the Disclosure Review Board.

Disclosure Analysis Rules for Tabular Output

For our purposes, standard tabular output, often called "descriptive statistics", is summary information consisting of, for example, counts, totals and basic distribution moments. As we have stated elsewhere, we ask that you limit your tabular output to the minimum necessary to describe the sample used in your models, and how it might compare to the underlying population(s) of interest. These are the types of tables that usually appear in academic papers.

## Tables From Economic (Business and Establishment) Data

For economic (business and establishment) tables, our primary disclosure rules are based on the Census Bureau's practices for the various surveys and censuses.

- We follow the disclosure rules used at the time (year) of the survey.
- The primary disclosure (p%, (n,k)) rules for each survey are given in [Table 1](#). In the table, The term "Standard Rule" in the table refers to the p% or (n,k) rules given in the [text box above](#).
- The variables used in primary disclosure analysis (p%, (n,k)) differ across surveys, and within the survey they sometimes change over time. See [Table 1](#). For this reason, the table may not be completely accurate and will be updated continually. The most important point is this: *We will not release tabular output for cells that the Census Bureau has suppressed*. It is your responsibility to check this, although we can help. (For example, in the Annual Survey of Manufactures (ASM), the Census Bureau has done disclosure analysis on every variable since 2004). Please see your RDC administrator for guidance.
- We also require the number of firms to be at least a certain number, greater than  $n$  in the (n,k) rule.
- We will use secondary disclosure analysis, as described above.
- *We will not release tabular output for cells that the Census Bureau has suppressed*. It is your responsibility to check this, although we can help.

### **Use of “Noise Infusion” in Census Bureau Programs**

The Census Bureau has begun to use a new method of confidentiality protection, which involves infusing random “noise” to individual observations before tabulating them for publication (reference: Evans, Zayatz, and Slanta 1998). CES is getting the underlying (non-noisy) data and the noise infusion “factors.” The following programs are beginning to use noise infusion, starting with the data years indicated.

- Integrated Longitudinal Database (ILBD) - beginning with 2005 data year.
- Commodity Flow Survey (CFS) – 2007
- Survey of Business Owners (SBO) - 2007
- Economic Census of Puerto Rico and Island Areas – 2007

For these, the basic rules are.

- Use “noisy” data for tabulations.
- You may use non-noisy data for models.

In addition, the LEHD Quarterly Workforce Indicators (QWI) program uses noise infusion.

This is a preliminary discussion of confidentiality protection using these datasets. Please see your RDC administrator for guidance.

**Table 1: Primary Disclosure Rules for Economic Data (Business Establishments and Firms)**

(See Notes at end of table)

Data Set	Primary Disclosure Rules	Comment
Census of Manufactures and Annual Survey of Manufactures (LRD)	<ol style="list-style-type: none"> <li>1. Continuous variables: SR (see table notes) on value of shipments and capital investment.</li> <li>2. But see comment 3.</li> </ol>	<ol style="list-style-type: none"> <li>1. TVS is a “key variable” used to cover disclosure for variables considered correlated with it (i.e., most variables). Investment is a “lumpy” variable that is not considered highly correlated with shipments so disclosure is done separately for it. If TVS is not included in the study, then shipments or payroll are acceptable substitutes.</li> <li>2. The ASM and other surveys use unweighted numerator, weighted denominator in calculating shares. Our rules are more conservative. But most of studies using the ASM use unweighted data, so our procedures are appropriate.</li> <li>3. Since 2004, The Census Bureau has performed disclosure on every continuous variable in the ASM.</li> </ol>
Economic Census – sectors outside manufacturing	Continuous variables – SR on sales measure.	Sales is a key variable.
Pollution abatement Costs & Expend. (PACE)	SR on every continuous variable	PACE variables not considered correlated; PACE expenditures can be lumpy, with some groups of plants known to have only certain types of expenditures..
Manuf. Energy Cons. (MECS)	Same as PACE	Similar to PACE
Surv. Of Manuf. Tech (SMT)	Firm count	SMT variables not considered very sensitive by themselves; no disclosure in publications.
Research & Dev. (R&D)	SR on every variable	Similar to PACE
Quarterly Financial Reports (QFR)	SR on all variables	
National Employer Survey (NES)	Continuous variables: plant count Discrete variables: Smaller plant count	Rules formulated in first survey year (1994). Survey considered less sensitive than other economic surveys, because there are no certainty strata, geography is limited, and most variables are discrete responses to questions about types of training or hiring practices. We may increase numbers & make disclosure firm-based.
Medical Expenditure Panel Survey - Insurance Component (MEPS-IC)	SR - total employment	
Survey . of Bus. Owners (SBO)	Firm count.	
Longitudinal Business Database (LBD)		Payroll and employment are Key Variables
Integrated Longitudinal Business Database (ILBD)	SR - Receipts	The ILBD is derived from the Census Bureau’s Nonemployer Statistics program. From 2005 on, this survey uses “ <a href="#">noise infusion</a> ” in disclosure protection. See your RDC administrator for guidance.

## Notes on Table 1:

- SR means “Standard Rule” – the p% or (n,k) rules as described in the section [Disclosure rules for research output](#).
- The table does not give rule parameters – i.e., n and k in the (n,k) rule, n and p in the p% rule, or the firm counts. Your RDC administrator will provide those you need to know. *The parameters are confidential; see “IMPORTANT NOTE” below.*
- The above rules are for primary disclosures. In addition, we will very likely need to suppress additional cells to ensure that it is not possible to calculate the values of suppressed cells using relationships derived from other cells.
- When two surveys are merged, use the more conservative rules. E.g., for the NES, use LRD rules for continuous variables when NES is merged to LRD.
- You may not remove data for a cells suppressed in the publications. We may ask you to examine publications to confirm this.

**IMPORTANT NOTE:** *To repeat: the rule parameters and the disclosure programs that contain those parameters are confidential. You may not reveal the parameters to anyone outside the group of researchers with Special Sworn Status who are working on your project. The programs may not leave the secure RDC site.*

## **Tables From Households and Individuals (Demographic Data)**

This category includes tabulations from demographic survey or Decennial Census data. The main considerations are these:

- To the extent possible, all such tabulations must be created from a public-use version of the data file.
- For tabulations that cannot be created from public use files, disclosure analysis is based on threshold (count) rules.
  - Tabulations created from the nonpublic data files will be at the state level or above, and any cell must contain data from at least 10 unique individuals (unweighted). In these cases, the number and size of tabulations generated must be very limited.
  - The Census Bureau's Disclosure Review Board (DRB) must review any tabulations that do not meet these criteria.
- In cases where the researcher has linked third-party microdata or geographic-based aggregate data with the Title 13 confidential data and wishes to run tabulations, the RDC administrator will inform the Disclosure Officer. The DRB will, at its discretion, review the proposed tabulations prior to their removal from the center.

The DRB meets every Monday (with a few exceptions; e.g., holidays). The Disclosure Officer, who is a DRB member, will attempt to bring your request to the DRB within two meetings; and you will need to submit an easy-to-follow summary of what your requested output describes, how that output relates to your overall approved project, the issues in the output requiring DRB review, and why you think your output does not contain a potential disclosure problem. You should include how you will use your output to make particular points. This will help the DRB suggest ways to respecify your output, if needed, so that it does not present a disclosure risk, but still gets your intended message across. If you are using terminology or statistics that would not be familiar to those outside your field, please write a description of those terms or statistics that someone not in your field can understand. These additional documents are meant to make it easier for the DRB (composed of people knowledgeable in statistics, but from varied backgrounds) to understand your output and make decisions on it.

## **Decennial Census and American Community Survey**

The following special considerations apply, in addition to the ones listed immediately above:

- For further reference on disclosure analysis rules for tables on households and individuals, please see the disclosure analysis rules for special tabulations for the 2000 Decennial and ACS datasets. These rules are posted on the Census website and are in /public/disclosure on the RDC servers.
  - 2000 Decennial: <http://www.census.gov/population/www/cen2000/sptabs/disclosure.html>
  - ACS: [http://www.census.gov/acs/www/Products/spec\\_tabs/dr\\_b\\_rules.htm](http://www.census.gov/acs/www/Products/spec_tabs/dr_b_rules.htm)

- For the 1970 and 1980 Decennial Census, we use the rules for the 1980 census. These involve cell suppression.
  - Each cell must be based on 30 or more *weighted* people, and/or 10 or more *weighted* housing units (whether it's 'and' or 'or' depends on the universe of the table) in a geographic area in order to show data for that area.
  - In addition, if the table shows characteristics by race/Spanish, then there must be 30 weighted in the race group to be shown or it must be suppressed, and complimentary suppression is applied to avoid getting the suppressed number by subtraction.”<sup>10</sup>
- For the Decennial Census and ACS group quarters data, results may be released for breakdowns no more detailed than institutional/noninstitutional. There are no exceptions; this rule applies to all years,

### Disclosure Analysis for Other Distributional Characteristics

Care must be taken in presenting other statistics intended to describe the shape of distributions. We prefer that you present general statistics on distributional shape (e.g., skewness, kurtosis measures) rather than showing anything closely related to individual observations (e.g., quantiles). In general, please think about what you are trying to say and what is the best way to say it before asking for anything that approximates data on individual observations.

### Quantiles

If you do require quantiles (e.g., to show journal reviewers) then the following considerations apply. Under these rules, it is difficult to release detailed percentiles of a distribution of the actual data. There are two possible approaches:

- Recommended: Estimate a continuous approximation (e.g., [kernel density](#)) and compute percentiles from the estimated distribution. For this case, disclosure rules (counts/concentration) for regression analysis apply.
- Also allowed: Use the observed data to estimate the percentiles based on a sufficiently large number of units.
  - For demographic data,
    - There must be at least five observations both above and below the quantile (i.e., 10 observations “around” the quantile.
    - For multiple quantiles, these sets of observations must not overlap.

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<sup>10</sup> For an example, see [Hhttp://www2.census.gov/prod2/decennial/documents/1980a\\_alD-01.pdf](http://www2.census.gov/prod2/decennial/documents/1980a_alD-01.pdf), p. 7

- The quantile value shown must be rounded to two significant digits.
- For economic data,
  - There must be at least ten *firms* represented around the quantile, five on each side.
  - For multiple quantiles, these sets of observations must not overlap.
  - To calculate the quantile, average the observations of *n* firms including the quantile. This average must pass the standard tabular disclosure tests. (The number of firms used to calculate the quantile is confidential.)

In addition:

- The above rules imply that maxima and minima are not allowed.
- If your table contains summarizes aggregates and includes maxima and minima of the aggregates, the minima and maxima (of the aggregates) must pass disclosure review. For example, if you want to show a table that shows the mean variance, maximum and minimum of a group of county-level incomes, the maximum and minimum county-level incomes must pass disclosure review.

### **Histograms, Kernel Densities, and Scatterplots**

We generally discourage histograms of univariate distributions, which give counts of numbers of observations within certain classes. We instead encourage kernel densities, which essentially are smoothed versions of histograms.

In estimating kernel densities, we ask you to choose bandwidth values that do not obviously suggest the presence of individual observations. Unfortunately, as of now there are no fixed rules for doing this.

For multivariate distributions, we generally prohibit scatterplots of data on individual observations. For example, we do not permit scatterplots of value of shipments versus employment for individual establishments or firms. Instead, we will consider bivariate kernel densities, which do not show the individual observations.

These considerations also apply to data that are not in the scale of the observation, e.g., productivity measures, which are ratios and not tightly related to size. Researchers should think of alternative ways to show these relationships; e.g., bivariate kernel densities.

## **Maps**

Maps by definition involve geography. We treat maps as tables. Typical maps show the numbers of observations in categories for each area. We require that each category in each area adhere to the appropriate disclosure rules. For demographic or Decennial data, maps showing geography below the state level must go to the Disclosure Review Board (DRB). We generally take maps to the DRB. Maps must go to the DRB if they are made using confidential demographic or Decennial Census microdata that show sub-state areas. Please plan for this in timing your disclosure submission.

## **Disclosure Analysis for Model Output**

For model output, disclosure is usually not a problem if the sample contains a sufficient number of observations of establishments, firms, households, or individuals. The exceptions usually involve categorical variables, and disclosure analysis focuses on these variables. In a regression with dichotomous (0,1) variables, for example, the dummy may sometimes take values of 1 for establishments belonging to a small number of observations (firm or known small group of firms). These are disclosures because they identify which plants belong to that specific firm(s).

To summarize disclosure analysis for model output (e.g., regressions):

- We require that you make the standard disclosure analysis calculations described above (threshold or concentration) calculations as appropriate for economic or demographic data sets, for every regression coefficient “cell” for which you request to release information (e.g. a coefficient or descriptive statistics).
- If the model has a continuous variable on the left hand side and if you are reporting indicator (dummy) variables on the right hand side, make the standard disclosure calculations for all the establishments, firms, households, or individuals in each dummy category.
- If the model has a categorical (e.g., dummy) variable on the left hand side and you are reporting indicator (dummy) variables on the right hand side, make the standard disclosure calculations for all of the establishments, firms, households, or individuals in each dummy category, crossed by the categories on the left hand side of the model.
- If you interact dummy variables, this constructs a new set of dummy variables variables. Make the calculations for each of the possible categories in the cross classification (e.g., state by industry).

You only need to make this calculation for dummy variables that you report. For example, if you use dummies as “controls” or “fixed effects” for establishments, firms, households, individuals, or states, but do not report them, you do not need to make these calculations for these dummies.

**IMPORTANT NOTE:** You need to make the above calculations *for the observations that actually appear in the model*. Sometimes estimation procedures in SAS or Stata automatically drop observations during an estimation procedure because of missing values of one of the variables. Make sure those same observations are also excluded from the sample used to calculate disclosure review statistics for that set of regression results or other statistics. Your samples may include different observations from model to model because of this. If this is the case, *we need a separate set of disclosure review statistics for each sample*. (Hint: a different N between regressions is a sign that this is occurring. Please make sure the observation count for your disclosure review statistics matches that for the output you are requesting)

If we find problems or estimates that do not meet our criteria for release, we will either ask you to alter your specification or not report the values of the affected coefficients. In some cases, we may ask you to report that the coefficient is in a certain range (e.g., positive and significant). We will work with you to ensure, as much as possible, that your research results remain meaningful after re-specification. However, this will require more time and we may take the output to the Disclosure Review Board.

### Disclosure Analysis for LEHD (Mixed Economic and Demographic) Data

For the LEHD data available at the RDCs, we use a mixture of the rules for economic and demographic data. Specifically:

- The standard disclosure rules described above for either person-level or business-level analysis. This means you should use the threshold (count) or concentration (p% or (n,k)) rules described above.
- All results to be disclosed must include data from at least three states, unless your project has obtained a specific exemption to this rule during proposal review. Models may include geographic controls for more detailed geographic levels, but the coefficients on these controls may not be reported. It is OK to note on the table of coefficients: includes controls for [insert\_geography].
- Some other considerations mentioned above, but worth repeating here:
  - The finest level of detail that may be shown for Group Quarters data is Institutional/ Noninstitutional. There are no exceptions to this rule, which applies to all years.
  - Under these rules, it is difficult to release detailed percentiles of a distribution of the actual data. See the discussion above.
- Under the agreements that allow the Census Bureau to use their data in the LEHD program, some states must review research output before the output is released publicly. Please contact your RDC administrator about these requirements and plan for any needed extra review time.

## **Preparing Files for Disclosure Avoidance Review<sup>11</sup>**

This section describes the process for preparing files for the release of project output from the RDC for projects using the Census Bureau’s data. (See the section [Release of Output from Other Agencies' Data](#) for the procedures for obtaining release of output from data provided by AHRQ and NCHS.) The section discusses the roles of the various parties – the researcher, the RDC Administrator (including the Lead RDC Administrator), the CES Disclosure Officer and (sometimes) the Census Bureau’s Disclosure Review Board (DRB). For the actual formal submission of your request, see the section, [Requesting File Clearance using the Disclosure Avoidance Review Tracking System \(DARTS\) in the CES Project Management System](#).

There are two general types of project documents that can be released: files containing numerical research results (e.g., regression output, tables, graphs) and other files (typically programs but also other documents such as research notes). “Other” documents do not require the same sets of forms as data/output and their release typically can be expedited. In the on-line Disclosure Avoidance Review Tracking System (DARTS), there are two types of requests that you will be able to select: (1) output and (2) programs. For the purposes of the on-line system, select “programs” for the release of other documents such as research notes. Since programs and other types of qualitative information do not require the same sets of forms as output, their release typically can be expedited. The clearance process for both types involves the following general steps, discussed in more detail in the sections below:

- Inform your RDC Administrator that you are planning a request to release files, and provide the approximate date you will need the released files. For output, discuss the pending request with your RDC administrator, in light of the requirements for disclosure analysis. In particular, ask the administrator (possibly consulting with the CES Disclosure Officer) whether the Disclosure Officer or the Census Bureau’s Disclosure Review Board (DRB) needs to review the output.
- Provide the materials for release, in the proper places with proper organization - including any required supporting materials. You will be asked to provide materials that document all requests for release (or *clearance*) of files. For output files, the documentation must indicate that the output was produced as part of your approved project, and it must document that published output does not disclose confidential information. To accomplish this, you must follow the process as detailed in the following sections of this chapter.
- Request clearance of your files formally, using the Disclosure Avoidance Tracking System (DARTS) by logging into your account on the CES website ([www.ces.census.gov](http://www.ces.census.gov)). See the section, [Requesting File Clearance using the Disclosure Avoidance Review Tracking System \(DARTS\) in the CES Project Management System](#), for more information.

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<sup>11</sup> The glossary defines some confidentiality- and disclosure-related terms that may be unfamiliar to you. These terms are italicized the first time they appear in the sections below.

### When does the Disclosure Review Board (DRB) Review Output?

For output from Census Bureau *household* censuses or surveys, the **DRB** must approve release of any output when

- any cell (table or regression coefficient) is based on fewer than 10 unweighted, unique individuals, and/or
- the output is presented for a geographic level lower than the state level.

For large amounts of tabular output (either for households or for businesses), the CES Disclosure Officer reserves the right to take any output to the DRB based on the complexity of the request. CES will not release large tabulations that were not explicitly described in the approved proposal.

### Clearing Research Results

Clearing research results requires preparation and interaction with your RDC administrator and possibly the Disclosure Officer. When you are close to having research results you wish to remove from the RDC, you can begin the process. The following steps provide information about the general process, but the process can be iterative, so the steps may not be completely linear.

1. Make an appointment with your RDC Administrator to discuss the clearance request. The Administrator may refer you to the Disclosure Officer. The appointment should be made well enough in advance to allow for a thorough analysis of the results to be removed from the RDC. As a general rule, the appointment should be made at least a month in advance of the desired release date. If DRB review is required, an even longer lead time is recommended. During this appointment, discuss the samples you will use in your analyses and show examples of the types of output that you are requesting to be released. It is NOT imperative that all files are final at this point. It is imperative that the RDC Administrator and/or Disclosure Officer have a good sense of what will be released. This process may also take more than one meeting and may require you to make changes in your output to satisfy clearance requirements.
  - For a typical release of output, we recommend allowing for 3 weeks from the date of submission to receipt of the final cleared file(s). This includes NCHS and AHRQ review of output.
  - For a typical release of programs, we recommend allowing for 3 business days for receipt of cleared program files.
  - Review times can be longer in certain cases; e.g., if the output has to go to the Census Bureau’s Disclosure Review Board (DRB) or if there is a large amount of output being requested.
2. In the disclosure folder in your project space, create a *dated clearance request subdirectory* for this request, e.g., rdccluster2:/rdcprojects/wo1/wo00000/disclosure/YYYYMMDD. This directory should contain the following:
  - A directory called “output”, containing your output files (i.e., the files you want released).
  - A directory called “support,” containing the following information:

- *Disclosure analysis files* that show the required *disclosure analysis statistics*. The specific statistics needed for disclosure analysis vary with the output. See the sections on models and tabulations.
  - *Program files* used to create the data set being used, to produce the output, and to produce the disclosure analysis statistics.
  - *A clearance request memorandum* (also referred to as the clearance request form)<sup>12</sup>. A template is provided in this handbook (Appendix B) and is also available on the RDC server under /public/disclosure. The section, [Preparing the Clearance Request Memo](#), explains the process for completing the memo.
3. Submit the request online using the Disclosure Avoidance Review Tracking System (DARTS) available by logging into the CES website ([www.ces.census.gov](http://www.ces.census.gov)). See the section, *Requesting File Clearance using the Disclosure Avoidance Review Tracking System (DARTS) in the CES Project Management System*, for more information.

### **Clearing Other Files – Programs and Research Notes**

It is easy to write programs and compose notes that pose minimal risk, and guidelines are provided below to enable you to write programs and notes that can be released. Since CES must review *every line* of the files to be released, please minimize the number of files and the size of the files (length of program or notes) in each request. Following these guidelines will reduce the review time required and ensure that your request will be released in a timely manner:

#### *Programs:*

- Do not include code that edits (or otherwise refers to) individual observations via their identifiers (as opposed to groups) or that includes hard-coded values based on unreleased information such as quantiles or means. Use separate programs or “include” statements for this code. Do not refer to individual identifiers or observations in your notes.
- Document the source of any number you use in your program files. If there are numbers in the program files to be released and the reviewer is uncertain of their source, the files will not be released.
- To reduce the volume of information in your programs, use “macros” or include statements for other code that appears in many programs (e.g., data manipulation statements that prepare data for analysis). CES can usually release the macros, and the reviewer needs to look at this code only once. (With planning, this practice also can speed up your coding in general.)
- Do not include notes in a program that describe “sensitive” information; e.g., the relationship between an individual and unique identifiers. When in doubt, the reviewer will not approve release of the file.

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<sup>12</sup> In the on-line disclosure avoidance review tracking system, you will be given the option to upload an .rtf document (Clearance Request Document). Most researchers complete these in the RDC and leave them in the supporting documents folder in the dated disclosure directory. However, some researchers fill them in outside of the RDC, and this feature allows them to upload the form.

Notes:

- Do not refer to individual identifiers or observations in your notes, even in general terms.
- Do not include confidential information such as notes on specific observations you may have “cleaned” or numbers that CES has not cleared for release.
- We must look at all such notes before clearing them, so keep them as brief as possible.
- See the [CES Policy on Discussion of Regression Results outside RDCs](#) for more details about information that can and cannot be released.

To submit a request for clearance of these documents, create a dated directory under your project’s “disclosure” directory and copy the files you want released into that directory. You do not need to provide a clearance request memo for programs or for notes. Then, submit the request using the on-line DARTS system. For more information on this process, see [Requesting File Clearance using the Disclosure Avoidance Review Tracking System \(DARTS\) in the CES Project Management System](#), for more information.

## Roles and Responsibilities

The disclosure avoidance review process relies on the interaction of many parties: you, the researcher; your RDC Administrator; the reviewer assigned to review the request (often but not always your RDC Administrator); the CES Disclosure Officer; and (sometimes) the Census Bureau’s Disclosure Review Board (DRB). The responsibilities of each party are as follows.

- Researchers
  - To conduct the initial review of the output to ensure that all the parameters being requested meet the standard rules for release of the output. If the standard rules are not met, then researchers need to make a justification as to why the output is required.
  - To ensure that the documentation is complete and formatted appropriately.
- RDC Administrators
  - To assist the researcher in understanding the rules and in ensuring that the documentation is complete and ready for review.
- Disclosure Avoidance Reviewers
  - To analyze the output to be released and the supporting documentation to ensure that there are no potential risks from releasing the output.
- Disclosure Officer
  - To assist the reviewers and administrators in releasing complicated clearance requests.
  - To analyze output that does not meet the standard disclosure rules and to take the requisite requests to the Disclosure Review Board.
- Disclosure Review Board (DRB)
  - To set the standard disclosure rules followed by RDC Researchers.
  - To make final decisions on requests that do not meet the standard disclosure rules but do not pose substantial disclosure risk.

## File Preparation for Releasing Files

The disclosure avoidance review process requires a significant amount of resources from Census Bureau personnel, and in the past, a large amount of review resources have been spent on improperly formatted and documented files (e.g., reformatting files, interpreting output) and on files that simply do not pass basic disclosure rules. For this reason, CES is requiring that researchers better prepare requests for review and is providing updated guidelines for preparing and documenting requests. It is the researcher's responsibility to disclosure-proof output that is to be released. The RDC Administrator, the reviewer, and the Disclosure Officer are there to help you through the process and to ensure that the output has been disclosure-proofed.

### Your responsibilities include the following:

- You must provide properly documented programs, descriptions of data files, research output files and disclosure analysis files. If you do not, your request will simply be **not approved**, and you will need to resubmit a new request to have the properly formatted files released.
- The clearer and more complete your request is, the more quickly your files can be released. In addition, working interactively with the reviewer will facilitate learning on both sides, avoid costly misunderstandings, and speed up the review process.
- It is your responsibility to ensure that the files to be released are in a format that you will be able to read outside of the RDC (e.g., .rtf or .xls).
- ***Output files must be as close to a final format as possible.*** These files can be spreadsheets, word processing documents, or other formats as long as they conform to the formatting requirements. *We will NOT release log files unless they meet all the requirements for a properly formatted document.*

The documentation aspect of this process is important. As projects become longer and larger, it is possible that multiple reviewers will review your files. This is especially true for project reactivations, where access is grated in order for you to revise and resubmit a publication, since there is typically a long period of time between clearance requests (and even you may be fuzzy on the details of previous releases). There is also always the possibility that another reviewer will need to be assigned to review output for your project if the primary reviewer is unavailable at the time of your request. Given that new samples and new output need to be compared to old samples and previously released output, it is important that a new person could do that comparison quickly and fairly easily. Having everything documented properly means that both you and a new reviewer could gain a quick understanding of the output that has been previously released and the supporting documents that provided the basis for those releases. Though it may take you more time in the short run, it is likely to gain you time in the long run. For these reasons and simply to expedite the process, we are providing the following guidance on preparing files for the disclosure avoidance review process.

### Guidelines for preparation of files:

- *For output files to be released, all extraneous information needs to be removed from the file.* This is especially relevant for log files which often contain information about number of observations dropped and other information that the researcher does not need. In general, if you do not need the information, remove it from the file. The reviewer should not have to remove this information for you.

- *The files should be formatted such that they can easily be read and/or printed by the reviewer.* This includes ensuring that the permissions to the folders and files are set properly (i.e., the group should at least have read permissions to the file and rwx permissions on the directories). The reviewer should also not have to spend a lot of time interpreting variable names, expanding columns, or formatting pages for viewing/printing. Reviewers are well within their rights to ask researchers to format files to make them easier to read or even to not approve a file that is unreadable with standard software.
- *Files to be released will be reviewed as is and will be released in the format that you have specified.* It is your responsibility to ensure that the files are ready for review and that you will be able to read the file outside of the RDC (e.g., .rtf or .xls).
- *All variables should be named consistently*—e.g., identical variables (such as industry, IND) should have the same names across data sets and files. This is true both for output files and their supporting documentation.
- *The link between an output file and the supporting documentation for that file should be clear.* The reviewer should not have to guess which disclosure analysis output (or sample) corresponds to a given table or file.
- *All tables (in both output and supporting documents) should have clear titles* indicating what the output is. Tables should also indicate whether the analysis uses weighted or unweighted data (and what the weight variable is).
- *Output in the files you are requesting should be releasable (based on your disclosure analysis).* This means that you should look over the disclosure analysis files, determine which cells do not meet disclosure rules, and deal with small cells in the output file before submitting your request for review. If the information you need does not pass the disclosure rules, discuss possible alternatives with your RDC Administrator. There are typically ways to provide the information that you need, but it may require some discussion with the RDC Administrator and the Disclosure Officer.
- *The programs that produced the materials are part of the documentation.* Please provide brief comments at the top of your programs whenever possible to explain what the program does.
- *Permissions to the folders and files must be set properly so reviewers can read the files.* This means that the group should at least have read permissions to the file and rwx permissions on the directories.
- *Graphs must be saved in a format that does not have the data points embedded within the document.* Formats that can be released include .jpeg files. STATA graphs are definitely problematic since they contain the underlying data and will not be released. PDF and post-script files can be a problem.
- *CES will provide programs for Disclosure Analysis for SAS and STATA.* These programs can be found under /public/disclosure. Separate programs are provided for demographic and economic data sets.
- *Document all samples used over time in your project.* Due to secondary disclosure risk, the reviewer needs to look at all samples used over time by the project. If your sample changes (for a similar analysis), be sure to run the disclosure analysis on the change in your sample.

The Disclosure Officer (or other designated CES employee) will download cleared files from your disclosure directory and will send them to you via e-mail. In addition to the information in DARTS, this e-mail also serves as a record of what files have been removed from the RDC.

## **Preparing the Clearance Request Memo**

This section is taken from *The Researcher's Practical Guide to Clearance of Output* originally written by Ethan Lewis, updated by Phillip Doctor (December 2003), and now updated again by CES Staff to be included here.

CES wants you to fill out the form in a clear enough manner so that given your descriptions, they could repeat what you did and replicate your results. Another important way to think of it is that you should put on this form whatever will make it easier for the RDC administrator (or, say, someone at CES reading your form) to determine if your output is safe. Give clear and organized descriptions of your output and its disclosure safeguards.

At the top of the form, put in the project number and the date of submission.

### **1. General Information.**

This section describes the disclosure request in general, and how it relates to the project.

- a. **Name of the subdirectory:** The path to the dated disclosure directory under the project's main clearance directory. For example, /20090101/.
- b. **Outputs proposed for removal:** Describe the general nature of the statistical output you are requesting.
- c. **Part of the approved project:** Explain how these results are related to your proposal. If your proposal posed some question, for example, explain how these results answer that question. Do not just refer the reader back to the proposal (e.g., see proposal). You can refer to specific sections/pages within your proposal, but please still give a general description.

### **2. Descriptions of Research Samples.**

This section will ask you several questions about your data samples that underlie your output. You will need to start by briefly describing each data sample that you've used. After you've done this, you must also describe any relationships between the samples along with any relationships between the samples and other data samples which might be similar.

### **3. Output Files.**

This section draws a distinction between “research” output files and “disclosure” analysis files. “Research” output files are the output files you propose to remove from the RDC and should be the only files in the “output” subdirectory. The “disclosure” analysis files are the ones where you provide documentation that your research output passes disclosure rules and the tables that provide disclosure statistics. All of these files should be in the “support”.

In this section, you will have to detail information on your research output files. Each research output file should have a supporting disclosure analysis output file containing statistics that support your request for disclosure. For each of these files you should enter:

- *File Number.* This is nothing more than an ordinal numbering of all the files (1,2,3...) you are listing.
- *File Name.* Provide the name of the file (e.g., tables.xls). This file should be in the “output” subdirectory for this request.
- *File Description.* Describe the sample you used (e.g., “large northeastern manufacturing firms”) and the type of output in this research file (e.g., “regressions of capital stock on employment”).
- *Research Output Program.* Provide the name of the program that produced your research output. This should be in the “support” subdirectory for this request.
- *Research Sample Number.* This is the sample number that underlies the research output (from #2).
- *Disclosure Analysis File Name.* This is the name of the file containing supporting statistics that allow your research output to be released. This should be in the “support” subdirectory for this request.
- *Disclosure Analysis Program.* This is the name of the file used to generate your disclosure analysis statistics. This should be in the “support” subdirectory for this request.
- *Results.* Leave this area blank, CES fills in whether or not this file was cleared.
- *Comments.* Provide a general description of how this meets disclosure requirements, (eg, by involving a large number of firms) and any other information that would aid the reviewer in assessing the disclosure risk.

#### **4. Variable Definitions.**

This section asks you for information regarding every variable in your research output. For each variable please list:

- *Variable Name.* This is simply asking you to indicate the name of the variable you are about to discuss.
- *Definition.* Write a brief description of the variable (e.g., variable "c0192" contains the cost of cement). If you generated this variable yourself, or if this is a modified variable rather than one that was present in the original data set(s), please indicate the equations/methods used to generate this variable. Also include the type of variable, e.g., continuous, binary (0,1), categorical (with categories).
- *Source.* List which data set this variable came from, or if you generated it yourself, please indicate this.

This information could be provided as part of a proc contents if the information was clearly documented in the variable label.

#### **5. Other Information or Comments.**

Please provide any other information that you think the reviewer should know. Once again, think

of any information that you think might make it easier for the RDC administrator to easily determine if your output is safe for clearance.

### **Requesting File Clearance using the Disclosure Avoidance Review Tracking System (DARTS) in the CES Project Management System**

This section describes the process for the formal submission of your request for disclosure avoidance reviews and assumes that your documents have been appropriately formatted and documented as per the section, [Preparing Files for Disclosure Avoidance Review](#).

Only one person from a project needs to submit the request. The person making the request should follow these steps.

*Step 0. To begin, log into the management system and go to the disclosure module for the project.*

- Log into the management system in your web browser by going to [www.ces.census.gov](http://www.ces.census.gov) and clicking on “sign in”. Then enter your username (which is your email address) and your password. If you are unsure about your username, contact your RDC Administrator.
  - The system requires you to reset your password every 45 days. If you need your password reset, there is a password reset button on the sign in screen:  
<http://www.ces.census.gov/index.php/ces/formlogin>
  - In addition, your account will be locked if inactive for more than 45 days. If you have not logged into the on-line system for 45 days, send an email to Brian Holly ([brian.p.holly@census.gov](mailto:brian.p.holly@census.gov)) and Lynn Riggs ([tammy.l.riggs@census.gov](mailto:tammy.l.riggs@census.gov)) in order to have your account unlocked.
- Once you are logged into the system, click on the ‘+’ next to ‘My Account’ (under Site Map on the left side of the screen).
- Click on the tab called ‘Clearance Request’. This brings up the Clearance Request Screen. Here, all of the active projects on which you are working should be visible.
- Click on the ‘+’ next to the project number under which you are requesting clearance. This will display 2 folders: one is from the old RDC servers (e.g., rdc05) and the other is from the new RDC Blade Cluster (e.g., ch1). Click on the ‘+’ next to the relevant folder, and all the folder and file names in the project’s *disclosure directory* will be displayed. (There is no content contained in this information).

*Step 1: Select the files for clearance*

Once you have completed Step 0, do the following:

- All the files you wish to clear (and only those files) should be in the “output” subdirectory if you have organized the files properly in the “output” and “support” subdirectories as directed. Click on

the ‘+’ in front of this subdirectory to see all the files within that folder. Each file and subdirectory will also have an open box, and subdirectories have a ‘+’ to expand. Checking the box next to a folder will select all the files within that folder for clearance. To select individual files, simply check the box in front of that folder. Continue until all of the files that you want released have been selected.

- Once all of the files (and directories) have been selected, click on the ‘Select Files’ button. This will make the file names appear in the box under Step 2. If a file was forgotten, go back to Step 1, check the box in front of the file, and hit the ‘Select Files’ button. The additional file (or files) should be shown under Step 2.

<p><b>NOTE:</b>        <b>Since the project management system captures the information over night, the folder names and files may not be visible until the next day.</b></p>
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### *Step 2: Create the Clearance Request*

Once you have completed Step 1, do the following for each file:

- Check the box in front of any file that needs to go to the Disclosure Review Board (DRB) for review. If you do not know whether or not the file needs to go to DRB, leave the box unchecked. The reviewer assigned to the project will determine whether DRB review is required and will be able to enter the information.
- Select the review type: ‘Programs’ or ‘Output’. Please make separate requests for different types of files. The type ‘Program’ should be selected for qualitative research output (e.g., research notes).
- Put in the ‘Deadline’. This is the date by which the materials are needed.

Note: CES does not guarantee that this deadline will be met. When entering the date also, remember, however, that CES typically requires 3 weeks for disclosure requests for output and 3 business days for programs (see point 1 under [Clearing Research Results](#)). These estimates are for normal requests – requests for large numbers of files, for large amounts of output, or requests that need to go to DRB may take longer. Moreover, you do not have to enter a deadline in order to submit the request.

- When you have entered all the information, click on the ‘Create Request’ button. This will move the request into Step 3.

### *Step 3: Submit the Clearance Request*

Here, the request on which you are currently working should be open to show the full detail of the request. This step provides the opportunity to review the request information before formally submitting it for review.

- If something was entered incorrectly, simply click the ‘Withdraw Request’ button and go back to Step 1.
- Here, you may upload of the Clearance Request Document (must be .rtf or .pdf). This is an option for users who fill in the Clearance Request Document outside of the RDC. If the file was completed in the RDC, no file needs to be uploaded (the file should be in the disclosure directory for the request).
- To formally submit the request, click on the ‘Submit Clearance Request’ button.
- The system will also notify you, the Disclosure Officer, RDC Administrator, and the Lead RDC administrator via email. The request will then be assigned to a reviewer.

Under Step 3 of the Clearance Request Screen, users will also be able to see the status of all previous disclosure requests for that project. The initial view will show the clearance request record, and clicking on the  next to the clearance request number will show the individual file information. Files that have been approved for release will be sent to the researcher via email by the CES Disclosure Officer.

### ***Decisions and Release of Output***

When the reviewer decides whether a file (or group of files) is approved for clearance, the management system will send you (the originator of the disclosure request) an e-mail informing you. The Disclosure Officer or the reviewer will send you the output files via a separate email, as a zipped attachment.

If you disagree with decisions on clearance of research output, you may discuss these decisions with the reviewer and (if appropriate) the CES Disclosure Officer, who may take them to the DRB. The DRB’s decisions are final.

### ***Release of Output From Other Agencies’ Data***

Some projects use data from other agencies – sometimes in conjunction with Census and sometimes just using the agency’s data. Primarily, these projects use data provided by AHRQ or NCHS. The Census Bureau has to adhere to the disclosure rules and policies prescribed by these other agencies. If your project uses other agency data, please check with your RDC Administrator to see if there are special output review procedures required for your project.

#### **Release of Output Using AHRQ or NCHS Data**

There are several types of potential projects that could be covered under these procedures:

- Projects using AHRQ or NCHS data exclusively
- Projects using AHRQ and NCHS data
- Projects using AHRQ and Census data
- Projects using NCHS and Census data

- Projects using AHRQ, NCHS, and Census data

#### Projects using AHRQ or NCHS data exclusively

Projects using AHRQ or NCHS data exclusively should speak with the data provider about the specific disclosure statistics required and any other rules/requirements that need to be met. For the request, researchers should put the requisite files for that request into their project's disclosure directory under a dated subdirectory (e.g., /rdcprojects/wo1/wo00123/disclosure/20090102/). The researcher should then submit the request using the steps outlined in the section, [Requesting File Clearance using the Disclosure Avoidance Review Tracking System \(DARTS\) in the CES Project Management System](#). The CES Disclosure will be notified of the request and will send the files to the appropriate agency for review. As with requests for Census Review of output, please plan for at least 3 weeks for receipt of the output.

#### Projects using Combinations of Census, AHRQ and NCHS data

For these multi-agency data projects, each agency will appoint one person during the proposal review process to take the lead on disclosure review for that project for that agency. When a request for clearance is received the Disclosure Officer will immediately contact the appropriate personnel and start the process. A typical review of output takes approximately 3 weeks; however, the process will likely require additional time due to additional review required by each agency.

If Census data are involved in the project, Census will conduct the initial review and will not send the files to the other agencies unless the files are considered releasable based on the Title 13 (Bureau of the Census) data protections. Researchers need to complete the documentation as outlined under the normal rules and procedures outlined in this chapter. For requests involving other agency data in the creation of the output, personnel from the other agencies will have to review the output, and the researcher will need to submit the required information according to each agency's specification for disclosure review.<sup>13</sup> These processes for disclosure avoidance review should be documented in the Review Synopsis at the time of project approval. The researcher should contact the other agencies for more details on the requirements for their disclosure avoidance review process.

Regardless of which agency is reviewing the files, the researcher should submit the request using the steps outlined in the section, [Requesting File Clearance using the Disclosure Avoidance Review Tracking System \(DARTS\) in the CES Project Management System](#).

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<sup>13</sup> The NCHS/AHRQ annual agreement states that the agencies will jointly review proposals and conduct disclosure review on projects that will use NHIS/MEPS data. NCHS will have the primary responsibility for disclosure risk and will need to keep AHRQ informed.

## **Bibliography**

The following is a short annotated bibliography giving references on many of the topics discussed in this manual, as well as certain other topics related to privacy, confidentiality, and data access. At the end we list some useful related web sites.

Doyle, P., J. Lane, J. Theeuwes, and L. Zayatz (eds.). *Confidentiality, Disclosure, and Data Access: Theory and Practical Applications for Statistical Agencies*. Amsterdam: Elsevier Science B.V., 2001.

Duncan, G.T., T. B. Jabine, and V.A. deWolf (eds). *Private Lives and Public Policies*. Washington, D.C., National Academy Press, 1993. An excellent reference on privacy, confidentiality, and data access issues related to the government statistical system.

Evans, T., L. Zayatz, and J. Slanta, "Using Noise for Disclosure Limitation of Establishment Tabular Data." *Journal of Official Statistics*, Vol. 14, No. 4, 1998, pp. 537-551. Available at <http://www.jos.nu/Articles/abstract.asp?article=144537>.

Federal Committee on Statistical Methodology (FCSM), "Report on Statistical Disclosure Limitation Methodology." Statistical Policy Working Paper 22. Statistical Policy Office, Office of Information and Regulatory Affairs, Office of Management and Budget, May 1994 (Second Version 2005). Available at <http://www.fcsm.gov/working-papers/spwp22.html>.

Hundepool, A., J. Domingo-Ferrer, L. Franconi, S. Giessing, R. Lenz, J. Longhurst, E.S. Nordholt, G. Seri, and P. De Wolf. "*Handbook on Statistical Disclosure Control*." Version 1.0.1, March 2007. Available at [http://neon.vb.cbs.nl/cenex/CENEX-SDC\\_Handbook.pdf](http://neon.vb.cbs.nl/cenex/CENEX-SDC_Handbook.pdf)

Interagency Confidentiality and Data Access Group. "Checklist on Disclosure Potential of Proposed Data Releases." Interagency Confidentiality and Data Access Group, an interest group of the Federal Committee on Statistical Methodology, 1999. Available on FCSM web site below.

Jabine, T., "Procedures for Restricted Access." *Journal of Official Statistics*, 9(2). 537-590, 1993. An excellent and oft-cited background paper used in preparing Duncan, Jabine and deWolf.

Jewett, R. "Disclosure Analysis for the 1992 Economic Census." A manual describing the disclosure programs used for the 1992 Economic Census. The manual and a version of the programs are available on the FCSM web site cited below.

Willenborg, L., and de Wall, T. *Statistical Disclosure Control in Practice*. Lecture Notes in Statistics 111. New York: Springer-Verlag, 1996.

\_\_\_\_\_. *Elements of Statistical Disclosure Control*. Lecture Notes in Statistics 155. New York:

Springer-Verlag, 2001. The two books by Willenbourg and de Wall are general references, perhaps a bit more technical than the Eurostat manual.

Web sites of interest:

- Federal Committee on Statistical Methodology: <http://www.fcsm.gov>. Contains information on FCSM activities, and links to information on confidentiality and disclosure analysis, including conferences and working groups.
- American Statistical Association Committee on Privacy and confidentiality home page: <http://www.amstat.org/comm/cmtepc/> Contains information on committee activities, and links to information on confidentiality and disclosure analysis, including conferences and working groups.
- Searchable U.S. Code website: <http://uscode.house.gov/lawrevisioncounsel.shtml>.

## Appendix A: Glossary

This appendix is a glossary of terms that can be divided into two general groups: terms related to confidentiality and terms related to the specific procedures for clearing research output at Census Bureau Research Data Centers. Please note many of the terms in the first group have multiple definitions; we have given only one here. For good discussions, see Duncan, Jabine, and deWolf (1993) pp. 22-24, and the web site of the American Statistical Association Committee on Privacy and Confidentiality.)

*Administrative records* - systems of records collected and/or maintained by government agencies for the purpose of administering programs – i.e., for *administrative purposes*. Administrative records are distinct from the systems of information collected exclusively for *statistical purposes*, such as those that the Census Bureau produces under authority of Title 13 U.S. Code.

*Business establishment* - a location at which business is carried out. Usually has a permanent plant number (PPN) associated with it.

*Business firm* - one or more establishments under common ownership. In our files, usually identified by the "ID" or "CFN" (Census file number).

*Clearance request memorandum* - a memo, contained in the clearance request subdirectory, describing a request to clear (release) research output.

*Clearing of research output* - the approval to remove research output from the secure RDC facility. Only the RDC administrator or other authorized Census Bureau employees may clear research output.

*Confidentiality* - the legal status that indicates that some body of data or information is sensitive and must be protected against loss, misuse, destruction, or unintentional change.

*Dated clearance request subdirectory* - a directory, under the project clearance directory, in which you place the material for each clearance request: the clearance request memorandum, the research output (and the programs that produced it), and the disclosure output (and the programs that produced it).

*Disclosure* – the inappropriate attribution of information to a data subject, whether an individual or an organization. Disclosure occurs when a data subject is identified from a released file (*identity disclosure*), sensitive information about a data subject is revealed through the released file (*attribute disclosure*), or the released data make it possible to determine the value of the characteristic of an individual more accurately than otherwise would have been possible (*inferential disclosure*). Comments: (1) Disclosure of sensitive data does not have to be exact; disclosure is considered to occur if a characteristic of an individual (e.g., income) is estimated sufficiently closely. (2) Revealing the presence or absence of a unit in a data collection typically is considered to be a disclosure.

*Disclosure analysis* - the act of ensuring that research output does not disclose confidential information about individual business establishments, business firms, households, or individuals.

*Disclosure output (disclosure analysis output)* - certain output, in addition to the research output, that provides the information we need to ensure that your research output does not disclose confidential information.

*Disclosure output files (disclosure files)* - computer files containing disclosure output.

*Disclosure statistics (disclosure analysis/review statistics)* - certain statistics that enable us to determine whether or not the research output can be cleared. The statistics include information on the numbers of observations (establishments, firms, households, or individuals) in all cells of a table or all categories in models; in some cases they include measures of the possible dominance of a cell total by a small number of observations (usually firms).

*Household* - all persons who occupy a particular housing unit as their usual residence; or who live there at the time of the interview and have no usual residence. The usual residence is the place where the person lives and sleeps most of the time. This place is not necessarily the same as a legal residence, voting residence, or domicile.

*Primary Disclosure Rules for Establishment and Firm Data* - rules for determining when a cell discloses confidential information. The two main rules: (1)  $(n,k)$  rule -- a cell discloses confidential information if its  $n$  largest respondents contribute more than  $k$  percent of the cell value. (3)  $p$ -percent rule -- a cell discloses confidential information if the second largest respondent can use the cell value to estimate the largest respondent's contribution to within  $p$  percent.

*Project* - the research specified in an approved research proposal.

*Project clearance directory* - a directory (one for each project) on your computer in that contains overall information about clearance activity for the project.

*Research output* - output you would like to remove from the Research Data Center. This will consist of output from statistical models (e.g., regression and other econometric models), together with a limited amount of supporting descriptive statistics (e.g., means and variances of variables in your research sample). Note: Output may not be released that shows data for individual observations. This currently includes residual plots; e.g., plots of residuals against the dependent variable. (This policy regarding plots is under review and may be changed.)

*Research output files* - computer files containing research output, usually generated with statistical packages such as SAS or Stata. The output often includes tables that summarize the coefficient estimates from groups of models, and supporting tables of sample means and variances.

*Statistical purpose* - the motivation for the collection of information to generate an aggregate description of a group of persons or businesses. Data collected for statistical purposes may not be used to make decisions regarding a specific individual or business, although the information may result in policy changes that could result in benefits or costs to persons or businesses. Examples: investigating geographical factors related to crime, the relation between welfare benefits and educational levels of welfare recipients. Stands in contrast to data collected for *administrative purposes*, which may be used to make decisions regarding individual persons or businesses - e.g., to determine eligibility for welfare benefits.

*Draft –June 1, 2009*

**Account and Data Request Form**  
(Lists official CES office and computer policies)

CENTER FOR ECONOMIC STUDIES  
RESEARCH PROJECT COMPUTER ACCOUNT AND DATA REQUEST

I. Description of Work

Researcher Name:

Project Number:

Title:

Location of Research:

Starting Date:

Ending Date:

Duration of Work:

Principal Researcher:

Detailed Description of Work:

The U.S. Census Bureau's Center for Economic Studies (CES) and its network of Census Research Data Centers (RDCs) support and encourage research activity using Census Bureau microdata to improve Census Bureau programs and inform public decision makers. As an integral part of its ongoing research program to improve Census Bureau programs, the Center for Economic Studies will provide support for a research project described in this document.

The CES research program - carried out with both CES staff and researchers from outside the Census Bureau (called research associates) - is centered on empirical analysis of confidential data collected in the Bureau's regular survey and census programs. The research associates carry out research projects using secure CES facilities, at CES headquarters in Suitland, MD and at several Research Data Centers.

Through a network of Census Research Data Centers (RDCs) and the Suitland, MD facility, the Census Bureau grants researchers with approved research projects restricted access to non-publicly available data files in secure environments. These environments ensure that the confidentiality of the data are maintained, but at the same time, provide limited access to data that are not a regular part of the Census Bureau data publication program. These research projects benefit the Census Bureau's programs. Access to non-publicly available data files is a privilege, not an entitlement. This privileged access carries with it specific obligations and responsibilities, as specified in this document. This activity is authorized under Title 13 U.S.C. Sections 6, 8, and 23c.

Project Description: **(See Attachment A: Proposal)**

Benefits to the Census Bureau: (See Attachment B: Benefits Statement)

## II. Center for Economic Studies Furnished Equipment, Software, Data and Services

The Center for Economic Studies (CES) shall provide the following facilities, and support towards the execution of this work during the specified period:

1. A physical work space that is suitable to perform research oriented tasks.
2. Access to a thin-client computing device that is used to communicate with the CES data and compute server in a graphical interface mode.
3. Remote access -- only from within the RDC secure facility -- to the CES data and compute server, with sufficient data storage space to support the work as defined within this account and data request.
4. Usual and reasonable computer support. Researcher may consult with CES staff on computer-related topics to better understand the computing environment in which this work is conducted.
5. Usual and reasonable data support. Researcher may consult with CES staff in order to better understand the data that CES has provided to the researcher. CES will make every reasonable effort to provide researcher with documentation for each data set to which they are provided access.

The Center for Economic Studies shall provide the following computer software towards the execution of this work during the specified period:

1. The UNIX operating system, with all usual system tools, and utilities.
2. A graphical user environment, such as CDE, GNOME or KDE, configured to support the requirements of the researcher.
3. The Open Office automation package.
4. The following statistical/econometric software packages:
  - GAUSS
  - SAS
  - STATA
  - MATLAB
5. The following additional commercial software package:
  - HLM 5.04 for Unix
6. Based upon the estimated data and computing requirements for your project, you will be allocated sufficient disk storage to complete the work as defined in this document. Requests for additional work space must be submitted in writing to the RDC Administrator for forwarding to

CES Headquarters for approval.

The Center for Economic Studies shall provide to the researcher direct access to the following analytical datasets. These data will be provided in a SAS Dataset format. Any conversion of these SAS datasets to other formats shall be carried out by the researcher, and not by CES staff. Note that requests for additional data will require modification to this statement of work, or a new approved research proposal at the discretion of CES.

<Data set list>

The researcher acknowledges and agrees that Census Bureau data are collected for the purpose of producing published aggregate statistics. Use of these data for other purposes is of variable reliability. All survey and census results contain measurement error and may contain sampling error. Available information about these potential errors are provided or referenced in the appropriate publications. The Census Bureau recommends that data users incorporate this information into their analyses as these errors could impact inferences. Researchers analyzing the data in order to create their own estimates are responsible for their validity and shall not cite the Census Bureau as the source of these derived estimates, but only as the source of the underlying core data.

Researcher shall obtain and provide to CES any necessary approvals for the use of non-Census data used at CES from CES and from the data producers, as appropriate (See Attachment C: **Data Permissions for Researcher Provided Data**). Researcher shall provide these written approvals to designated CES staff. Without written authorization, non-Census Bureau data may not be loaded onto CES computer systems. The following data sets will be provided by the researcher for use in the project described in this document.

<Data set list>

### III. Protection of Confidential Information Provided to the Researcher

The researcher who participates in this project shall abide by all the following conditions, in order to guarantee the confidentiality of any and all data provided to them during the execution of the work defined within this account and data request and its attachments. All researchers will adhere to the following rules of behavior. These rules clearly delineate the responsibilities for all individuals with access to confidential Center for Economic Studies data. These rules will be enforced through sanctions commensurate with the severity of the infraction, including the possibility of criminal prosecution and the termination of the project at the discretion of CES.

All researchers who have access to confidential information in this project shall obtain Special Sworn Status (SSS) from the Census Bureau before work may begin. The Census Bureau will handle the administrative details of granting the researcher SSS. As individuals with SSS, the project researcher agrees to conform to all applicable confidentiality and security provisions of the Bureau of the Census and the Department of Commerce. In particular, these provisions state that no one may disclose any information that would allow identification of Census Bureau data on any individual survey respondent (business firm, business establishment, household, or individual). Furthermore, the data supplied may be used for statistical purposes only. Disclosure of confidential information is prohibited by law (Title 13 U.S.C. section 214) and is punishable by a fine of up to \$250,000 (Title 18 U.S.C. section 3559 and 3571) or a prison term of up to five years (or both) (Title 13, U.S.C., Section 214, as amended; Title 18, U.S.C., Sections 3559 and

3571).

[Once a researcher provides CES with all the information required to process an application for SSS, the Census Bureau requires a minimum of two weeks to approve the application. Researcher may not start or participate in a project without SSS approval.

After obtaining Special Sworn Status, but prior to accessing any data, a researcher must take the Title 13 Awareness Training and be certified for Title 13 Data access. This training takes place at the RDC lab under the supervision of the RDC Administrator. This certification process is repeated annually in March for the life of the project. ] This section needs updating. For example, all training must be taken prior to submission of SSS applications.

All researchers shall be provided with a Researcher Handbook. This handbook contains regulations and policies that researchers shall follow. Researcher acknowledges and agrees that violation of any rules or regulations contained in this handbook shall be enforced as would any other provision in this account and data request, including possible termination of the project at the discretion of CES.

#### Office Security Policies

1. Researcher agrees to keep security clearance and entrance information (identification, key code, card, lock combination, door key) current and secure. The researcher agrees not to share or lend security clearance and entrance information to anyone else.
2. Researcher agrees to keep the lab door locked and to ensure that is locked whenever they are the last person to leave the lab at any time.
3. Researcher agree to sign in every day that they work on the project at the lab.
4. Researcher must not allow persons without SSS status into the lab without prior approval by a designated CES staff member. In addition, all visitors will be escorted by designated CES staff members at all times.
5. Researcher agrees to place all output containing confidential information that they wish to discard into the designated receptacle(s), and only into these receptacles.
6. Researcher must not discuss confidential information over the telephone, by fax, or in e-mail.
7. Designated CES staff members (or other Census Bureau employees, as determined by CES) must examine all materials (especially research output) that any researcher wishes to remove from secure Census facilities, to prevent disclosure of confidential information. The researcher agrees to submit all materials to designated CES staff members for review prior to removing these materials from the lab. The researcher agrees that they will not remove research output before obtaining explicit approval from a designated CES staff member.

#### Computer Security Policies

1. Researcher acknowledges and agrees that all their computing activities will be monitored by

CES staff and that information from the monitoring programs will be accumulated and saved in a database. This information will be used to identify security violations, and to assess system usage.

2. Researcher must not include passwords in any computer files, such as the body of an electronic mail message or in a login script.
3. Researcher must not write their computer access password(s) down and must not give their password(s) to any other users.
4. Researcher who suspects that any password has been compromised agree to change the affected password immediately.
5. CES Computer Staff personnel may employ password-checking software to determine the "guessability" of user passwords. If you are informed by a CES staff member that your password has been cracked, you will be required to change it immediately.
6. You will not be able to load any software, "home-grown" programs, or data onto the lab machines. Programs and data must be uploaded into your project directory by CES staff.
7. ZIP-type drivers (or other large removable storage devices) are prohibited in the lab.
8. Laptop computers and any other portable computing devices that include an internal or external modem (e.g., Palm Pilot) are prohibited in the lab. Researcher agrees to never bring a laptop or other portable computing device that incorporates a modem into the lab.
9. Researcher agrees to schedule all visits to the lab. Researcher acknowledges and agrees that access to the lab will be denied unless a reservation has been made.

#### Data Access Policies and Confidentiality

1. Researcher is granted access only to the data authorized for the approved research project. Researcher agrees to access only those data specified in this computer account and data request and its attachments. Requests for new Census Bureau data will require researcher to submit a new research proposal to CES for review under standard project review procedures.
2. Researcher may supply data sets from outside the Census Bureau for use in the approved research project, and only for use in the approved project. If a researcher-supplied data set is from public data sources, the researcher must submit written documentation stating the source(s) of the data and confirming that the data are public. The researcher is responsible for documenting any possible restrictions on the use of the data set. If the data set is from a non-public source (e.g., an administrative data set), the researcher must supply to CES a copy of written authorization to use the data set, including any possible restrictions on the use of the data set. The researcher will document any possible restrictions on the use of any data set the researcher brings to the project. Researcher(also agrees to provide CES with data set documentation. Researcher acknowledges and agrees that CES shall be allowed to keep a copy of any data set the researcher brings to the project, that CES may make the data set available to other researchers for their approved projects.

3. Researcher agrees not to ask other researchers at the lab for access to their data sets, and agree not to give other researchers access to their data sets.
4. Researcher agrees to perform only analyses that support the work specified in this statement of work and its attachments. Researcher agrees not to carry out analyses for any colleagues or other researchers who do not have approved research projects.
5. Researcher acknowledges and agrees that research data files will not contain sensitive identifiers such as name and address, unless explicitly provided for in this statement of work and its attachments. If access to sensitive identifiers is required, a CES staff person will oversee the access. Social Security Numbers, as person identifiers, will never be provided to the researcher.
6. Researcher acknowledges and agrees that absolutely no data and/or research results shall leave the facilities without being examined and approved by a designated CES employee. Researcher agrees to have all materials examined by a designated CES staff member prior to removing those materials from the lab.
7. Researcher acknowledges and agrees that the Census Bureau considers it important not only to avoid disclosure of confidential information, but also to avoid the perception of disclosure. Researcher agrees to avoid any perception of disclosing sensitive information concerning the data they were provided.
8. Researcher acknowledges and agrees that all printed material, screen displays, and other media containing data that have not been cleared for release must contain the following label(s):  

"Disclosure Prohibited-Title 13 and Title 26 U.S.C." (if FTI data).
9. Researcher agrees not to discuss individual survey respondents in any manner in research papers, in email, telephone, or fax; or in casual conversation with persons outside the Census Bureau facilities. In addition, researcher must not discuss individual respondents' data with any other researcher not affiliated with their project.
10. If researcher is using a data set for which official publications have not yet been released, they agree not to release any research results without consulting with CES staff.
11. Researcher agrees to use the following standard disclaimer on all research papers and reports:  

"This paper (chapter) reports the results of research and analysis undertaken while the author(s) was a research affiliate at the Center for Economic Studies at the U.S. Census Bureau. It has undergone a Census Bureau review more limited in scope than that given to official Census Bureau publications. Research results and conclusions expressed are those of the author and do not necessarily indicate concurrence by the Census Bureau. It has been screened to insure that no confidential information is revealed."

The disclaimer may be modified to accommodate the number of researchers and other disclaimer information (e.g., regarding the researcher's sponsor or employer). In some cases, CES will require a somewhat different disclaimer. CES will inform the researcher in such cases.

12. Researcher acknowledges and agrees that any research data sets produced as part of this project can be made available to CES or to other researchers under approved research proposals, at the discretion of the Census Bureau.

## Disclosure Analysis

Disclosure analysis is a process by which CES staff ensure that no confidential information concerning survey respondents are included in any information that is allowed to leave CES facilities. Designated CES staff members shall review all research output for inadvertent disclosure of confidential information prior to release of the output. To aid in this disclosure process, each researcher shall maintain documentation of all data sets and programs that are created as a result of the work described in this document.

The process of disclosure analysis takes time and advance planning. Immediately upon beginning the project, the researcher agrees to meet with at least one designated CES staff member to discuss the specific output the researcher wishes to remove from the Census Bureau and the process of disclosure analysis. These discussions will cover all information the researcher must provide to CES staff for disclosure analysis, and the specific form in which the information must be provided (e.g., as SAS data sets or printouts, with variable and output labeling).

1. Researcher acknowledges and agrees that release of some analytical results specified in this work plan may not be feasible due to problems identified during disclosure analysis. In particular, the researcher acknowledges and agrees that it may not be feasible to release any specific tabular descriptive statistics. Researcher acknowledges and agrees that CES decisions are final regarding the form and content of any research results released to the public.
2. The researcher agrees to submit supplementary information, in addition to the research output they wish to remove, to the CES staff members who carry out the disclosure analysis. The researcher agrees to supply all such supplementary output in the form requested.
3. The researcher agrees to allow sufficient lead time for CES staff to perform disclosure analysis. The amount of time needed will depend on the specific results to be removed and the form in which the required information is submitted to CES staff. To aid CES staff members in carrying out disclosure analysis, the researcher agrees to meet with these staff members at one or more agreed-upon times, specified well in advance.
4. Due to the complexity of disclosure analysis, any delays in providing the required information or in meeting with CES staff until the project is completed or nearly completed may greatly delay or even prevent the researcher from receiving any output. Researcher acknowledges and agrees that the timing of the release of any research outputs is determined by CES staff.
5. For purposes of this account and data request, the parameters of rules used in disclosure analysis are themselves confidential under Title 13, and to reveal them is considered a disclosure. Researcher acknowledges and agrees that the disclosure rules shall not be discussed by the researcher with any persons other than CES staff members.
6. Before the first release of research output, the researcher agrees to provide a statement of benefits to Census Bureau programs resulting from the work, as described in the approved project proposal. CES will determine whether the statement is sufficient to release the research output.
7. Before the final release of research output, the researcher must provide a technical memorandum summarizing the key findings pertinent to Census Bureau programs, including

whether/how the accomplished benefits differed from those proposed and describing their potential application. At its discretion, CES may require further statements of benefits before other releases of research output.

8. In the event of litigation based on this research, Census Bureau and U.S. Government confidentiality and disclosure avoidance rules cannot be waived. Moreover, Census Bureau personnel would not be made available to testify regarding the data and analysis the researcher develops.

#### IV. Project Results

The researcher agrees to provide final end products at the completion of all activities described in Section I. of this account and data request. In addition, the researcher agrees to maintain project documentation that describes in detail all researcher activities, all researcher created data sets, all researcher created programs, and all researcher created outputs (such as tabulations, analytical results, and listings). More specifically, the researcher agrees to provide to CES the following project results:

1. Progress reports on the project as requested. These reports will document the activities accomplished to date and provide the designated CES staff member access to all aforementioned detailed project documentation.
  2. Any and all research papers produced as part of the project, for inclusion in the CES Discussion Paper Series (or any other appropriate Census Bureau series, as designated by CES staff). These research papers may also appear in other paper series (e.g., university or National Bureau of Economic Research working paper series). The researcher agrees to provide CES with a copy of the paper as it appears in other paper series.
  3. Copies of any published reports, journal articles, book chapters, slides from conference presentations (and the like) resulting from this project should be submitted to CES. Any publications must include a disclaimer and acknowledgment, as previously described.
  4. A report on the data work conducted as part of the project. This report will document the main data sets used and created, and the programs used to accomplish this work. The report will contain enough detail to allow CES staff members to replicate the work.
  5. A report containing information sufficient to allow other competent researcher(s) to reconstruct the research results. This will be a record of data set names (with descriptions of their contents), program names (with descriptions of what the programs do), and interrelationships among them. The principal researcher(s) will provide such information to CES staff in machine-readable and printed form.
  6. A statement that explains how the research project provided a benefit to the Census Bureau. A technical memorandum summarizing the key findings pertinent to Census Bureau (particularly, Chapter 5, Title 13) programs, including whether/how the accomplished benefits differed from those proposed and describing their potential application.
  7. A non-technical summary of the research results.
- Researcher acknowledges and agrees that failure to comply with the terms stated above

regarding research results shall result in the termination of all data access, and that CES will reject all subsequent project proposals until the researcher provides the results to CES. In particular, researcher acknowledges and agrees that CES, at its discretion, will not release research output until the researcher provides required documentation of benefits to Census Bureau programs, as specified above.

## V. Project Schedule

### 1. Supremacy of Census Bureau and Data Supplier Administrative Requirements

This computer account and data request does not supersede the administrative procedures and requirements of the Census Bureau and other data providing agencies. During the course of this project, changes may occur in administrative procedures and/or requirements of the Census Bureau and/or data providing agencies governing the use of the data provided to the researcher. In addition, changes may occur in the availability of data under both the governing MOU's in existence as of the date of this account and data request, and related Memorandum of Understanding (MOU) that come into existence during the course of the project. In such cases, relevant portions of this document may no longer be valid and shall be superseded by new language in order to accommodate administrative requirements of the Census Bureau and/or data providing agencies.

The project period will extend from the effective date MMM DD, YYYY through MMM DD, YYYY

I certify that I have read this computer account and data request, understand my responsibilities, and agree to the terms specified above:

---

Signature of Researcher Date

---

FOR INTERNAL USE ONLY

SERVER:

USERID:

USER NAME:

PRIMARY GROUP:

ACCOUNT EXPIRATION DATE:

DATE REQUEST FILLED:

NAME OF PERSON FILLING REQUEST:

This section needs updating. Anu receives the ADRF, usually as an attachment to email. The signed last page of the ADRF can be uploaded to the management system by the RDC administrator as a scanned file.

Send signed request, if using Federal Express or other delivery service, to:

Anu Singal  
Center for Economic Studies  
U.S. Census Bureau  
8905 Presidential Parkway  
Room 211, WP2  
Upper Marlboro, MD 20772-2653

If using U.S. Postal Service, send to (expect 2-3 weeks delivery time):

Anu Singal  
Center for Economic Studies  
U.S. Census Bureau  
4700 Silver Hill Road Stop Code 6300  
Washington, D.C. 20233-6300

## Appendix B: Clearance Request Memo

REQUEST FOR CLEARANCE OF RESEARCH OUTPUT  
Center for Economic Studies and Research Data Centers

\*\*\*\*\*  
\*  
\* Project #:  
\* Submitted by:  
\*  
\* For CES Reviewer to complete:  
\*  
\* Cleared for release:  
\* Cleared by:  
\*  
\*\*\*\*\*

### 1. GENERAL INFORMATION

a. Name of this request's subdirectory under the project's main clearance directory:

b. Please provide a general description of the outputs you wish to clear:

c. Please state how the outputs are part of the research project as approved (You may summarize or copy descriptions from your proposal, with page references.)

### 2A. DESCRIPTIONS OF RESEARCH SAMPLES:

Describe your Research sample(s) or "cuts" of data used in research output. For each sample, please describe your selection criteria and how the research sample differs from the samples underlying survey publications or other samples you have used. Take as much space as you need for each; add samples as needed.

SAMPLE 1:

SAMPLE 2:

SAMPLE 3:

### 2B. RELATIONSHIP BETWEEN SAMPLES

Describe how your samples relate to each other (e.g., if you have two samples, is one a subsample of another?) In the cases of samples and subsamples, there is an implicit third sample, the difference between the two. Please describe this sample above. We probably will need to examine any implicit samples as well.

## 2C. RELATIONSHIP TO OTHER PUBLICATIONS

Describe how your samples may relate to similar samples from other projects or from survey publications. (e.g., how your sample of an industry in the LRD differs from the Census of Manufactures or Annual Survey of Manufactures files in the LRD).

## 3. OUTPUT FILES

For each research output file to be removed, please enter the following information.

- a. File name (e.g., output.rtf)
- b. Description of file (e.g., tables relating to \_\_ or models of \_\_)
- c. Program that produced the file (e.g., output.sas or model.do)
- d. The Research Sample Number that underlies the file
- e. The disclosure analysis file's name - the file that contains supporting statistics
- f. The name of the program that generated the disclosure analysis file (e.g., output\_disc.sas). Note, if the disclosure information is produced in the same program as the research output to be removed, please cut and paste this into a new file.
- g. Results (we enter this) - Whether the file was cleared or not.
- h. Comments - any relevant information you or the person who clears the file may wish to add.

FILE NUMBER: 1  
FILE NAME:  
FILE DESCRIPTION:  
RESEARCH OUTPUT PROGRAM:  
RESEARCH SAMPLE NUMBER:  
DISCLOSURE ANALYSIS FILE NAME:  
DISCLOSURE ANALYSIS PROGRAM:  
RESULTS:  
COMMENT:

FILE NUMBER: 2  
FILE NAME:  
FILE DESCRIPTION:  
RESEARCH OUTPUT PROGRAM:  
RESEARCH SAMPLE NUMBER:  
DISCLOSURE ANALYSIS FILE NAME:  
DISCLOSURE ANALYSIS PROGRAM:  
RESULTS:  
COMMENT:

## 4. VARIABLE DEFINITIONS

Please include all variables in the research output you wish to remove and in supporting disclosure output.

VARIABLE NAME:  
DEFINITION (include type, e.g., continuous, binary (0,1), other discrete):  
SOURCE:  
COMMENTS:

*Draft – June 1, 2009*

VARIABLE NAME:  
DEFINITION: (include type, e.g., continuous, binary (0,1), other discrete):  
SOURCE:

VARIABLE NAME:  
DEFINITION: (include type, e.g., continuous, binary (0,1), other discrete):  
SOURCE:

VARIABLE NAME:  
DEFINITION: (include type, e.g., continuous, binary (0,1), other discrete):  
SOURCE:

VARIABLE NAME:  
DEFINITION: (include type, e.g., continuous, binary (0,1), other discrete):  
SOURCE:

5. OTHER INFORMATION OR COMMENTS:

Please enter any further information you feel is relevant below.

## Appendix C: User-Provided Data Memo

Date:  
Project ID:  
Researcher Name:

### Physical Information (check media being used):

Media:

- \_\_\_\_\_ CD (ISO9660)
- \_\_\_\_\_ floppy disk (3 ½ inch, 1.44 MB drives)
- \_\_\_\_\_ DVD
- \_\_\_\_\_ DLT tape (GNU tar, give blocking factor)
- \_\_\_\_\_ other (specify)<sup>14</sup>

### File Information

File Name:  
File Size (bytes):  
Number of records:  
List of Variables (if SAS, attach 'proc contents'; if ascii, attach record layout):

Format:

- \_\_\_\_\_ ascii
- \_\_\_\_\_ Record End Deliminator:
  - \_\_\_\_\_ carriage return
  - \_\_\_\_\_ line feed
  - \_\_\_\_\_ other (specify)<sup>15</sup>
- \_\_\_\_\_ SAS (v8 with sas7bdat extention)
- \_\_\_\_\_ rtf text
- \_\_\_\_\_ ascii text
- \_\_\_\_\_ Other (specify)<sup>16</sup>

### Permissions

- \_\_\_\_\_ Downloaded from web without charge or restrictions, give specific URL.
- \_\_\_\_\_ Purchased. Provide copy of receipt and documentation verifying if public use or proprietary.
- \_\_\_\_\_ Proprietary. Provide written permission from source to use data in the approved project (letter or memo identifying file and giving permissions and/or any restrictions on use, e.g. retention data, etc.)

Description: (1-2 sentence description of what is in the file)

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<sup>14</sup> CES strongly recommends Researcher provide files on CD, or DVD. Consult with your RDC Administrator before providing alternative media.

<sup>15</sup> Consult with your RDC Administrator if other delimiter is used.

<sup>16</sup> CES strongly recommends Researcher provide SAS or ascii files. Consult with your RDC Administrator before providing alternative format.

## Appendix D: Legal Information

This appendix provides information (summaries and quotes) on the laws underlying the policies spelled out in this researcher handbook. The most important law is Title 13 U.S. Code for the Census Bureau. Titles 18 and 26 for the Internal Revenue Service (IRS) is also extremely important to the Census Bureau because IRS federal tax data are used in many Census Bureau data programs – chiefly in constructing and maintaining sampling frames. The IRS legislation imposes certain restrictions on this use.

### ***Census Bureau Legislation – Title 13 U.S. Code***

#### General Information

Title 13 authorizes the Census Bureau to carry out specific data collection programs. It also requires the Census Bureau to maintain the confidentiality of the data the Census Bureau collects, and it authorizes the Bureau to use "temporary staff" to "assist the Bureau in carrying out the work authorized by this title."

Several chapters of Title 13 authorize the Census Bureau to collect data. This is important because Under IRS law (Title 26, section 6103), Federal tax data may be used only in programs authorized under Chapter 5 and to carry out "related statistical activities authorized by law." The Decennial Census and the Economic Census and related survey programs are authorized under Title 13 Chapter 5. An important exception is the Quarterly Financial Reports (QFR), which is authorized under Title 13 Chapter 3, but is specifically authorized to use Federal tax data under Title 26 section 6103 as a "related statistical activity authorized by law."

The following sections provide relevant sections from Title 13, along with brief summaries.

#### Protection of Confidential Information -- Sections 9 and 214

##### *Summary:*

With the exception of data from censuses or interim surveys of governments, information collected and/or compiled under authority of Title 13, is confidential. The following restrictions apply:

- Data may be used only for statistical purposes
- No publication may permit identification of data for a particular business or individual
- Only sworn employees may examine individual reports
- Temporary staff (i.e., persons with Census Bureau Special sworn Status) may assist in performing work authorized by Title 13 but only if those persons are sworn to observe the confidentiality provisions in Section 9 of the statute.
- Conclusion: All Researchers at RDCs must assist the Census Bureau in performing work authorized by Title 13, and all must be sworn to observe the confidentiality provisions of Title 13, Section 9.

##### *Law:*

CHAPTER 1—ADMINISTRATION

SUBCHAPTER I— GENERAL PROVISIONS

**Sec. 9. Information as confidential; exception**

- (a) Neither the Secretary, nor any other officer or employee of the Department of Commerce or bureau or agency thereof, or local government census liaison may, except as provided in section 8 or 16 or chapter 10 of this title or section 210 of the Departments of Commerce, Justice, and State, the Judiciary, and Related Agencies Appropriations Act, 1998.(1)
- (1) use the information furnished under the provisions of this title for any purpose other than the statistical purposes for which it is supplied; or
  - (2) make any publication whereby the data furnished by any particular establishment or individual under this title can be identified; or
  - (3) permit anyone other than the sworn officers and employees of the Department or bureau or agency thereof to examine the individual reports. No department, bureau, agency, officer, or employee of the Government, except the Secretary in carrying out the purposes of this title, shall require, for any reason, copies of census reports which have been retained by any such establishment or individual. Copies of census reports which have been so retained shall be immune from legal process, and shall not, without the consent of the individual or establishment concerned, be admitted as evidence or used for any purpose in any action, suit, or other judicial or administrative proceeding.
- (b) The provisions of subsection (a) of this section relating to the confidential treatment of data for particular individuals and establishments, shall not apply to the censuses of governments provided for by subchapter III of chapter 5 of this title, nor to interim current data provided for by subchapter IV of chapter 5 of this title as to the subjects covered by censuses of governments, with respect to any information obtained therefor that is compiled from, or customarily provided in, public records.

**Sec. 214. Wrongful disclosure of information**

Whoever, being or having been an employee or staff member referred to in subchapter II of chapter 1 of this title, having taken and subscribed the oath of office, or having sworn to observe the limitations imposed by section 9 of this title, or whoever, being or having been a census liaison within the meaning of section 16(2) of this title, publishes or communicates any information, the disclosure of which is prohibited under the provisions of section 9 of this title, and which comes into his possession by reason of his being employed (or otherwise providing services) under the provisions of this title, shall be fined not more than \$5,000<sup>17</sup> or imprisoned not more than 5 years, or both.

**Authority for Temporary Staff (Special Sworn Status) – Section 23(c)**

*Law:*

CHAPTER 1—ADMINISTRATION

SUBCHAPTER I— OFFICERS AND EMPLOYEES

**Section 23. Additional officers and employees (excerpts)**

- (b) The Secretary may utilize temporary staff, including employees of Federal, State, or local agencies or instrumentalities, and employees of private organizations to assist the Bureau in performing the work authorized by this title, but only if such temporary staff is sworn to observe the limitations imposed by section 9 of this title. Authorizations For Data Collection Programs – Chapter 5

**Data Programs Authorized by Title 13 Chapter 5**

*Summary:*

The following data collection programs are authorized by Title 13 Chapter 5.

- Quinquennial Economic (Business) Censuses (Sec. 131)
- Decennial Census of Population and Housing (Sec. 141)
- Quinquennial Census of Governments (Sec. 161)
- Intercensal Population Estimates (Sec. 181)
- Current Survey Programs - on the subjects covered by Title 13 Census programs (Sec. 182)

*Law:*

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<sup>17</sup> Note: The fine has been increased to \$250,000, as stated elsewhere in this handbook.

*Economic (Business) Censuses:*

CHAPTER 5

SUBCHAPTER I - MANUFACTURES, MINERAL INDUSTRIES, AND OTHER BUSINESSES

**Sec. 131. Collection And Publication; Five-Year Periods**

The Secretary shall take, compile, and publish censuses of manufactures, of mineral industries, and of other businesses, including the distributive trades, service establishments, and transportation (exclusive of means of transportation for which statistics are required by law to be filed with, and are compiled and published by, a designated regulatory body), in the year 1964, then in the year 1968, and every fifth year thereafter, and each such census shall relate to the year immediately preceding the taking thereof.(9)

*Decennial Census Of Population And Housing:*

CHAPTER 5

SUBCHAPTER II - POPULATION, HOUSING, AGRICULTURE, IRRIGATION, AND UNEMPLOYMENT

**Sec. 141. Population And Other Census Information.**

- (a) The Secretary shall, in the year 1980 and every 10 years thereafter, take a decennial census of population as of the first day of April of such year, which date shall be known as the "decennial census date", in such form and content as he may determine, including the use of sampling procedures and special surveys. In connection with any such census, the Secretary is authorized to obtain such other census information as necessary.

*Census of Governments*

CHAPTER 5

SUBCHAPTER III - GOVERNMENTS

**Sec. 161. Quinquennial Censuses; Inclusion Of Certain Data**

The Secretary shall take, compile, and publish for the year 1957 and for every fifth year thereafter a census of governments. Each such census shall include, but shall not be limited to, data on taxes and tax valuations, governmental receipts, expenditures, indebtedness, and employees of States, counties, cities, and other governmental units.

**Sec. 163. Authority Of Other Agencies**

This subchapter does not revoke or impair the authority of any other Federal agency with respect to the collection or release of information.

**CHAPTER 5**

**SUBCHAPTER IV - INTERIM CURRENT DATA**

*Intercensal Population Estimates*

**Sec. 181. Population**

- (a) During the intervals between each census of population required under section 141 of this title, the Secretary, to the extent feasible, shall annually produce and publish for each State, county, and local unit of general purpose government which has a population of fifty thousand or more, current data on total population and population characteristics and, to the extent feasible, shall biennially produce and publish for other local units of general purpose government current data on total population. Such data shall be produced and published for each State, county, and other local unit of general purpose government for which data is compiled in the most recent census of population taken under section 141 of this title. Such data may be produced by means of sampling or other methods, which the Secretary determines will produce current, comprehensive, and reliable data.

*Survey Programs*

**Sec. 182. Surveys**

The Secretary may make surveys deemed necessary to furnish annual and other interim current data on the subjects covered by the censuses provided for in this title.

## Other Title 13 Data Programs

### *Summary:*

The following data programs are authorized by other parts of Title 13.

- Quarterly Financial Reports (Chapter 3)
- Foreign Commerce and Trade Statistics (Chapter 9)

### *Law:*

TITLE 13

Chapter 3

Subchapter IV - Quarterly Financial Statistics

#### **Sec. 91. Collection and publication**

(a) The Secretary shall collect and publish quarterly financial statistics of business operations, organization, practices, management, and relation to other businesses, including data on sales, expenses, profits, assets, liabilities, stockholders' equity, and related accounts generally used by businesses in income statements, balance sheets, and other measures of financial condition.

(b) Except to the extent determined otherwise by the Secretary on the basis of changed circumstances, the nature of statistics collected and published under this section, and the manner of the collection and publication of such statistics, shall conform to the quarterly financial reporting program carried out by the Federal Trade Commission before the effective date of this section under section 6(b) of the Federal Trade Commission Act.

(c) For purposes of section 6103(j)(1) of the Internal Revenue Code of 1986, the conducting of the quarterly financial report program under this section shall be considered as the conducting of a related statistical activity authorized by law.

TITLE 13

Chapter 9 - COLLECTION AND PUBLICATION OF FOREIGN COMMERCE AND TRADE STATISTICS

#### **Sec. 301. Collection and publication**

- (a) The Secretary is authorized to collect information from all persons exporting from, or importing into, the United States and the noncontiguous areas over which the United States exercises sovereignty, jurisdiction, or control, and from all persons engaged in trade between the United States and such noncontiguous areas and between those areas, or from the owners, or operators of carriers engaged in such foreign commerce or trade, and shall compile and publish such information pertaining to exports, imports, trade, and transportation relating thereto, as he deems necessary or appropriate to enable him to foster, promote, develop, and further the commerce, domestic and foreign, of the United States and for other lawful purposes.(18)

***Protecting Federal Tax Information (FTI) – Titles 26 and 18, U.S. Code***

This section contains a brochure (reformatted for inclusion in this handbook) that describes the need to safeguard and protect FTI. It summarizes the policies, the underlying laws, and punishments for violations.

Before gaining access to any data set containing FTI, you will be required to undergo awareness training and sign a statement indicating your understanding of and willingness to follow the policies that govern your restricted access to FTI.

## Quick Reference Guide

# Safeguarding & Protecting Federal Tax Returns & Return Information

The Census Bureau obtains Federal Tax Returns and Return Information (FTI) and related “Official Use Only” data from the Internal Revenue Service (IRS) for statistical purposes. As a recipient of these data, the Census Bureau must ensure that it establishes and maintains to the satisfaction of the IRS certain safeguards designed to prevent unauthorized access to and use of FTI, as well as to protect the confidentiality of that information. Failure to adequately protect these data can result in severe penalties, including fines, imprisonment, civil suits, and loss of your job.

## Definitions

All FTI and “Official Use Only” data should be treated as confidential, which means disclosure is restricted. **Disclosure** is the making known of FTI or “Official Use Only” data in any manner to anyone. There are three types of disclosures:

- **Authorized disclosure** – disclosing confidential data to other employees with a work-related “need to know.” This is legal.
- **Willful unauthorized disclosure** - knowingly providing confidential data to anyone who is not entitled to have them. This is illegal.
- **Inadvertent unauthorized disclosure** – mistakenly giving confidential data to a person who shouldn’t have it. Penalties can apply under Title 13.

**Willful unauthorized access** or inspection of FTI is simply looking at, or browsing through, data that are not needed to complete required tasks. This is illegal.

An **authorized use of FTI** at the Census Bureau is one that both Census and IRS officials have approved through the formal review and approval process.

## Important Facts

- ✓ All tax data, including names and addresses, are equally sensitive and are subject to IRS safeguard requirements and penalties.
- ✓ Files that contain both Federal Tax Returns and Return Information (FTI) and non-FTI data are referred to as “commingled” data sets and are subject to the same IRS safeguard requirements as FTI, no matter how limited the use of FTI.
- ✓ Each individual is bound by these Federal laws for life, regardless of his or her employment status.
- ✓ FTI data used at the Census Bureau are subject to the privacy and confidentiality provision of Title 26 Internal Revenue Code, Title 13 Census, and Title 18 Crimes and Criminal Procedure.
- ✓ Unauthorized disclosure of FTI is illegal. Only provide FTI to those with an approved, work-related “need to know.”
- ✓ Casual browsing of FTI for which you do not have an authorized “need to know” is illegal. For example, unless you have a “need to know,” you cannot inspect tax records of your neighbor or favorite TV personality.
- ✓ FTI must be secured at all times.
- ✓ No matter the media, FTI must be labeled as such.
- ✓ Listings and computer screens displaying FTI must not be visible to visitors or other non-authorized users.

*Draft –June 1, 2009*

## **Additional Information**

For more detailed information, visit:

### **IRS Publication 1075**

<http://ftp.fedworld.gov/pub/irs-pdf/p1075.pdf>

### **Administrative Records Handbook**

<http://cww.census.gov/po/>

### ***IT Security Office***

<http://cww.census.gov/itso/>

