



## ELECTRONICS SECTOR QUESTIONNAIRE

### Interactive Completion Version

United States International Trade Commission  
Attention: UE Project Team  
Office of Industries, Room 501  
500 E Street, SW, Washington, DC 20436  
Fax: 202-205-2018

The U.S. International Trade Commission (USITC) is conducting a fact-finding investigation to examine the electronics sector to get a clearer picture of U.S. exports of used electronic products. This investigation has been requested by the [United States Trade Representative](#) (USTR), who has directed the USITC to prepare a report that (1) provides estimates and details about U.S. exports of used electronic products, and the share of exports compared to all used electronic products sold or processed in the United States, (2) describes the types and activities of U.S. organizations that export used electronic products, and (3) describes the types and activities of the foreign enterprises that import used electronic products from the United States. According to the USTR, such data and analysis will aid the [National Strategy for Electronics Stewardship](#) in helping U.S. firms and other groups to better manage electronic products throughout their lifecycles.

This questionnaire has been designed to collect information to fulfill this request. More information about this report and the investigation for which it is being prepared (no. 332-528) can be found by clicking on the following button:

### Your organization is required by law to respond to this questionnaire

Please read all instructions and return the completed questionnaire  
to the USITC no later than July XX, 2012

The information is requested under the authority of section 332(g) of the Tariff Act of 1930 (19 U.S.C. § 1332(g)). Completing the questionnaire is mandatory, and failure to reply as directed can result in a subpoena or other order to compel the submission of records or information in your possession (19 U.S.C. § 1333(a)). For more information on this questionnaire, contact the following project team members:

Andrea Boron (202-708-2719; [andrea.boron@usitc.gov](mailto:andrea.boron@usitc.gov))  
Elli Nesbitt (202-708-4721; [elizabeth.nesbitt@usitc.gov](mailto:elizabeth.nesbitt@usitc.gov))

### Confidentiality

The Commission has designated as "confidential business information" the information you provide in response to this questionnaire, to the extent that such information would reveal the operations of your organization and is not otherwise available to the public. The Commission will not disclose such confidential business information except as provided for in section 9 of this questionnaire. Information received in response to this questionnaire will be aggregated with information from other questionnaire responses and will not be published in a manner that would reveal the operations of your organization.

## Instructions

### Completing the Questionnaire

1. **Retrieving the interactive completion version of the questionnaire.** If you have not already done so, type the address below into your web browser. Follow the instructions on this web page and save the questionnaire to your computer. This version of the questionnaire is appropriate if you are completing it interactively. If your organization would prefer to have a paper version for written responses, please contact the project team (see cover for contact information).

*<http://www.usitc.gov/usedelectronics>*

2. **Accessing the file.** Open the questionnaire file using Adobe Reader version X (10) software. If you do not have this version of Adobe Reader, you may be prompted by your computer operating system to upgrade (this is free software). The file may also be compatible with your version of Adobe Reader. **Contact the project team if you cannot open the file (see cover for contact information).**

Note: Once opened, the file will accept information. It has been designed to ease electronic completion of the questionnaire and minimize the need for the Commission's project team to contact you for clarifications. Do not print this file to enter information into it; you will not be able to see all the content. If you would like a printable file, contact the project team.

3. **Entering information.** Provide responses for each question that applies to your organization. You can complete questions using the provided checkbox, drop-down list, and type-in entry areas. These entry areas are normally highlighted in blue, although this color may vary depending on your computer's settings. Some questions with drop-down lists allow you to customize the way you enter information (these cases will be indicated in the question text).

You will not be able to change the questionnaire itself or enter information outside the entry areas. Certain type-in entry areas will accept only numbers and not text. Move to entry areas by clicking on them. You can use the tab key to do this, but only within a page. Use the navigation buttons on the bottom of the page to move directly to a specific section.

4. **Numeric data.** Note that data for sales, employees, shipments, exports, and imports should be entered as full figures, not in thousands, millions, or similar format.
5. **Submitting the questionnaire.** After completing the questionnaire, there are four ways you can submit it. These options are shown on the last page of the questionnaire. Please keep the file as an Acrobat file and do not convert it to another file format.

## General information

1. **Types of organizations that should complete this questionnaire.** This questionnaire is intended for organizations that refurbish, recycle, broker, resell, export, consolidate, or otherwise handle electronic products in the United States.

Organizations that participate in operations related to electronic products, but do not conduct any **used** electronic products activities, will only have to complete a few questions in section 1 before submitting their response.

2. **Coordinating your organization's response.** If separate persons or departments within your organization will share responsibility for completing this questionnaire, please make sure they coordinate their responses so that the information your organization gives us is internally consistent. This will minimize our need to call you back for clarifications.
3. **Relationship to corporate structure.** Please provide a single response for your organization's activities. This may require that your organization combine information from two or more business units.

If it is not possible to combine responses, or it is unreasonably burdensome, then your organization may provide separate responses for business units, but please ensure that the information is complete and there is no double-counting.

Joint venture organizations operating in the United States should submit a separate response, and there should be no double-counting with other business units of the joint venture partners.

4. **U.S. affiliates of foreign companies.** Please respond as if the affiliate were an independent organization operating in the United States. For example, show total sales for the affiliate only, and not for the foreign corporation. When listing investments, include both investments the affiliate has made in the United States, and investments in foreign countries that can be directly linked to the U.S. affiliate.
5. **Questionnaire structure.** This questionnaire is composed of ten sections, as shown below.

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## Definitions

1. **Used electronic products:** Includes electronic products that have been refurbished, remanufactured, or repaired for resale; products that are intended for refurbishment or repair when sold; and products that are at end of life, and are recycled, disassembled, or disposed of, or sold to be recycled or disassembled.
2. **Refurbished, remanufactured, and repaired products:** Includes used electronic products that are collected from their original users and then cleaned, fixed, or otherwise brought back to working condition and resold. This category **includes** products that are disassembled and resold as reclaimed electronic parts for use in repairing of other electronic products.
3. **Recycled:** Refers to products that are demanufactured or disassembled to a point where they will no longer perform their original functions. This category includes products that are resold as scrap materials, such as bulk metals or plastics, but **DOES NOT** include products that are resold as working electronic parts for use in the repair of other electronic products. Also includes leftover materials from products that have been harvested for parts.
4. **Disposal:** Refers to end-of-life disposition of used electronic products that a recycler or disassembler pays to dispose of, rather than products that bring in income because they are sold as the output of a recycling process. Includes both goods disposed of as trash, often in a landfill, and goods that your organization pays to have recycled, such as glass from cathode ray tubes (CRTs).
5. **Original Equipment Manufacturer (OEM) and Original Device Manufacturer (ODM):** Original manufacturer of new electronic products and parts. OEMs and ODMs of new equipment may or may not be involved in sales and distribution of used electronic products.
6. **Broker:** Organization that buys and sells used electronic products. The brokerage function does not include refurbishing, repairing, or recycling electronic products, although some organizations may do these things in addition to buying and selling. In some cases, a broker may not even take physical possession of the used electronic product.
7. **Collector:** A for-profit or nonprofit organization that collects used electronic products from their original users. Collectors generally decide whether used electronic products will be refurbished, repaired, or recycled. May include organizers of public and charity collections, municipal waste collection sites, IT asset management organizations that collect used electronic products from commercial organizations, and organizations that buy used computers and mobile phones from individuals.
8. **Processed used electronic products:** Products that have been broken down, stripped, shredded, disassembled, or demanufactured by hand or using a machine.
9. **Computers and parts:** Includes desktop, laptop, and mainframe computers, network servers, netbooks, tablets, and e-readers, as well as parts integrated into a computer, such as hard drives, motherboards, and internal modems. Includes laptop batteries integrated into the unit, but not other batteries collected separately.
10. **Computer peripheral equipment:** Includes flat screen monitors but **NOT** monitors containing CRTs. Also includes equipment external to computers, such as external hard drives and other storage, external optical drives, keyboards, and mice. Printers, including those that also copy, fax, and scan documents, should be included with office imaging equipment (see next definition).

**Definitions (continued)**

11. **Office imaging equipment:** Includes printers, copiers, fax machines, and scanners. Multipurpose machines that print as well as fax, scan, and copy should be included here.

12. **Medical imaging equipment:** Scanning equipment for medical purposes, including but not limited to x-ray, MRI, and CT scan machines.

13. **Audio equipment:** Stereo systems, microphones, MP3 players, and other sound equipment without integrated video capabilities.

14. **Video equipment:** Televisions, video game systems and accessories, still image cameras and camcorders, both digital and analog, **NOT** including CRT televisions. All CRTs, regardless of size, should be included in the "Monitors and televisions containing CRTs" category.

15. **Mobile handsets (cell phones) and other telecommunication equipment:** Refers to telephones and electronic communication devices such as cell phones, smartphones, pagers, radios, personal digital assistants (PDAs), GPS navigation devices, Bluetooth headsets, and handheld scanners, including batteries and peripheral equipment that are part of those handsets. Also includes telecommunications network devices such as routers, switches, modems, hubs, network cards, and mobile communications equipment.

16. **Cathode ray tube (CRT):** A glass vacuum tube used in some televisions and monitors.

17. **R2 certification:** The R2 Standard is an electronics recycling standard that sets forth requirements for the environmental, health, safety, and security aspects of electronics recycling. The standard is administered by R2 Solutions, a nonprofit organization. More information on the standard is available at <http://www.r2solutions.org/>.

18. **e-Stewards certification:** The e-Stewards Standard for Responsible Recycling and Reuse of Electronic Equipment® is an industry-specific environmental management system standard for electronics recycling and reuse. The e-Stewards initiative was developed by the Basel Action Network and incorporates the ISO 14001 standard. More information on the standard is available at <http://e-stewards.org/>.

19. **ISO 14001-ISO 14001:2004:** This lays out the requirements for an environmental management system, giving a framework for an organization's environmental policy, plans, and actions. More information on the standard is available at [http://www.iso.org/iso/iso\\_14000\\_essentials.htm](http://www.iso.org/iso/iso_14000_essentials.htm).

20. **Recycling Industry Operating Standard (RIOS):** A third party certification standard for environmental management systems.

Other definitions appear throughout this questionnaire. Many of these can be viewed by clicking on a button.

**Section 1: Contact Information**

1.1 Please list your organization's primary address and a contact person.

Organization name

Address

City

State

Zip code

Web site address (www.name.domain)

Contact person's name

Contact person's job title

Contact person's telephone number (xxx-xxx-xxxx)

Contact person's e-mail address (xxx@xxx.xxx)

1.2 Does the organization named above have any joint ventures that operate in the United States?

Yes

No

Not applicable (check this box if the organization named above is a joint venture)

If your organization has joint venture operations, each should provide a separate questionnaire response.

1.3 Is the organization named above a subsidiary of a organization operating in the United States?

Yes

No

We developed the mailing list from many sources that may have not explicitly indicated company relationships. Therefore, we may have sent this questionnaire to one or more subsidiaries, the related parent company, and combinations of the foregoing. This submission should be coordinated with the parent company.

1.4 Is the organization named above a holding company operating in the United States?

Yes

No

If your organization is a holding company, then this submission should reflect all the activities of the held companies that have U.S. operations. Alternatively, each held company with U.S. operations could provide a separate questionnaire response.

**Section 2: Organization Information**

The questions in this section refer to all of your organization's sales of used electronic products, parts, components, and materials derived from recycled electronic products, not just exported goods. We need this information so we can see how the amount of exports compares with total U.S. sales of these products.

2.1 Did your organization do any of the following in 2011: acquire, refurbish, repair, resell, disassemble, recycle, export, or otherwise process used electronic products? If so, select "Yes." Also select "Yes" if your organization has any activities related to used electronics wholesale or distribution activities.

Yes. Continue to next question

No. Skip to section 9

How to report numerical figures	
If sales or costs are \$1,200,500, report in full figures as:	1,200,500
If the number of employees or number of units is 1,550, report in full figures as:	1,550
If the weight of products sold is 1,000 pounds, report in full figures as:	1,000

2.2 Please list (1) the value of your organization's total U.S. sales in 2011 for all activities, including but not limited to activities related to used electronic products and (2) the number of employees in 2011 (on a full-time equivalent (FTE) basis) for your organization's operations **in the United States. Your best estimate is acceptable.** If your organization is an affiliate of a foreign organization, include only sales and employees that can be directly attributed to your organization's U.S. operations.

**Total sales should include sales to domestic and foreign markets from U.S. operations.**

#	Item	2011
1	Total sales for all activities in the United States (in full figure dollars, not thousands or other format)	
2	Total number of employees engaged in activities in the United States, including part-time and temporary workers, FTE basis (in full figures, not thousands or similar format)	

2.3 How many years has your organization been working with used electronics?

Number of years

2.4 Is your organization a nonprofit entity?

Yes

No

- 2.5 A. Did one or more foreign entities have a substantial ownership interest (10 percent or greater) in your organization as of December 31, 2011? (An entity can include a corporation, limited liability company, partnership, sole proprietorship, or any subsidiary related to the foregoing.) Include your entire organization, not just establishments with used electronic products activities.

- Yes. Continue with part B of this question  
 No. Go to next question

B. If you responded "Yes" to part A, indicate the country of origin of the foreign entities, up to a maximum of three.

Top country   
 Second country   
 Third country

C. Is the combined foreign ownership interest in your organization as of December 31, 2011 more than 50 percent?

- Yes  
 No

D. Does at least one of these foreign entities have activities related to used electronic products in countries other than the United States?

- Yes. Continue with part E of this question  
 No. Go to next question

E. If you responded "Yes" to part D, indicate the country in which these activities take place, up to a maximum of three.

Country 1   
 Country 2   
 Country 3

- 2.6 How many separate, used electronics-related establishments did your organization operate in the United States in 2011? Include facilities that collect, sort, refurbish, recycle, repair, disassemble, recover parts or metals, mechanically process, or provide related support services such as brokering or wholesaling. Do not include facilities owned by other organizations, even if those organizations perform work for your organization.

Number of establishments



2.7 A. Did your organization hold a third-party certification for the processing and/or sales of used electronic products in 2011?

- Yes. Continue with part B of this question  
 No. Go to next question

B. Please provide the following information on the type of certifications that apply to all of your organization's establishments that are involved in used electronics. Answer only for establishments owned by your organization.

#	Certification	Number of establishments holding the certification in 2011	Number of establishments for which certification was in process during 2011
1	R2		
2	e-Stewards		
3	ISO 14001		
4	RIOS		
5	ISO 9001		
6	Microsoft authorized or registered refurbisher program		
7	Other-specify:		

2.8 In which of the following activities related to used electronics did your organization engage in 2011 in the United States? Check all that apply.

- Collection  
 Sorting of incoming used electronic products (including for immediate resale of working goods)  
 Refurbishing/remanufacturing/repair for resale or donation (systems and/or parts)  
 Manual demanufacturing or disassembly  
 Parts recovery and reuse  
 Metals recovery/smelting/refining  
 Buying, selling, wholesaling, or brokering (equipment and parts)  
 Buying, selling, wholesaling, or brokering (commodity scrap materials)  
 Mechanical processing (shredding, shearing, baling of metals, plastics, glass), including sorting  
 Recycling services for businesses (asset management, data security, logistics)  
 Electronics retailer  
 IT asset management or asset disposition services  
 Logistics or consulting services  
 Other-specify:

2.9 Of the activities you checked in question 2.8, which do you consider to be your organization's most significant business activity, based on hours of employment devoted to each of these activities? Select one in the drop-down list below.

Primary activity

**Section 3: Processing and Sales of Used Electronic Products in the United States**

3.1 Please provide your organization's sources of used electronic products and parts, by weight (pounds), in 2011. **Your best estimate is acceptable.**

#	Source	Weight (full figure pounds)
1	Commercial collections, including acquisitions from businesses, institutions, and government agencies	
2	Nongovernment public collection events	
3	Local government consumer waste collection and drop-off sites	
4	Contracts with takeback programs run by retailers (phone carriers, retail electronics outlets), to take products back directly from end users	
5	Contracts with takeback programs run by OEMs or ODMs (computer manufacturers, consumer electronics manufacturers), to take products back directly from end users	
6	Another recycler or disassembler	
7	Wholesaler or broker	
8	IT asset manager	
9	Direct from OEMs or ODMs, reflecting consumer returns of new products, scrap from warehouses, production scrap, etc.	
10	Other-specify:	
11	Unknown	
12	Total	

- 3.2 Please indicate the total sales value (excluding commercial asset disposition fees) and number of units of used electronic products and parts that your organization **refurbished or repaired** in 2011. Your best estimate is acceptable.

1	Total sales value (in full figure dollars)	
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- 3.3 Please indicate the total sales value (excluding commercial asset disposition fees) and weight of used electronic products and parts that your organization **recycled** (disassembled, not intended for reuse) in 2011. Exclude products that you paid other organizations to recycle. Your best estimate is acceptable.

1	Total sales value (in full figure dollars)	
2	Total weight (pounds, in full figures)	

- 3.4 Please indicate the total sales value (excluding commercial asset disposition fees) and weight of **scrap materials** (excluding circuit boards, whole or shredded) that resulted from your organization's recycling activities in 2011. Your best estimate is acceptable.

1	Total sales value (in full figure dollars)	
2	Total weight (pounds, in full figures)	

- 3.5 Please indicate the total sales value (excluding commercial asset disposition fees) and weight of **whole and shredded circuit boards** that resulted from your organization's recycling activities in 2011. Your best estimate is acceptable.

#	Item	Whole circuit boards	Shredded circuit boards
1	Total sales value (in full figure dollars)		
2	Total weight (pounds, in full figures)		

- 3.6 Please indicate the total recycling or disposal costs (excluding commercial asset disposition fees) and weight of used electronic products that your organization **sent for disposal or paid another organization to recycle** in 2011. Your best estimate is acceptable.

#	Item	Sent for disposal	Sent to another organization for recycling
1	Total disposal cost (in full figure dollars) Enter zero if no costs were incurred		
2	Total weight (pounds, in full figures)		

- 3.7 Please list the percentage of different products in your organization's total output of used electronic products, based on weight, in 2011. **Your best estimate is acceptable.** Output includes products that your organization sold and products that your organization disposed of.

#	Product group and related parts and components	Percent of 2011 output, based on weight
1	Equipment sold, tested, and working for reuse	
2	Equipment sold to other organization for refurbishment, repair, or resale	
3	Printed circuit boards (whole or shredded)	
4	CRT monitors and televisions, including component parts from CRTs disassembled by your organization	
5	Commodity-grade scrap metals not including circuit boards or CRTs	
6	Commodity-grade scrap plastics, not including circuit boards	
7	Commodity-grade scrap glass, not including CRTs	
8	Disposal and goods that you paid to recycle	
9	Other-specify:	
10	Unknown	
11	Total (the sum of the figures above should equal 100)	

3.8 A. Does your organization have one or more internal processes for monitoring organizations that purchase your recycled and/or refurbished products, and tracking the products you sell? Do not include buyers of tested and working products that do not require further refurbishment or repair.

- Yes. Complete parts B, C, and D of this question  
 No. Go to question 3.9

B. Does your organization perform audits of downstream customers?

- Yes  
 No

C. How extensively do you track downstream channels? Check one.

- To first sale only  
 To first and second sales only  
 To final destination

D. Which used electronic products does your organization track in downstream channels? Check all that apply. If none apply, leave all boxes unchecked.

- All goods  
 Sales of goods that are intended for refurbishment or repair  
 Printed circuit boards (whole or shredded)  
 CRT monitors and televisions  
 Other hazardous electronic waste, including batteries and devices containing mercury  
 Commodity scrap materials, including metals, plastics, and glass, but not printed circuit boards or CRTs  
 Other-specify:

3.9 What types of requirements does your organization impose on buyers of your output of hazardous materials, including CRTs, circuit boards, and batteries? Do not include buyers of tested and working products that do not require further refurbishment or repair. Check all that apply. If none apply, leave all boxes unchecked.

- Customers must be U.S. organizations  
 Customers must agree not to export  
 Customers must be R2 or e-Stewards certified  
 Customers must have passed your organization's qualifications

3.10 What types of requirements does your organization impose on buyers of your output of non-hazardous materials, including ferrous and nonferrous metals and plastics? Do not include buyers of working products that do not require further refurbishment or repair. Check all that apply. If none apply, leave all boxes unchecked.

- Customers must be U.S. organizations  
 Customers must agree not to export  
 Customers must be R2 or e-Stewards certified  
 Customers must have passed your organization's qualifications

3.11 Please rank the factors below as to whether they discouraged or encouraged your organization from exporting in 2011, even if your organization did not export any used electronic products. If your organization has no knowledge about a factor, leave all boxes in that row unchecked.

For example, if labor costs in foreign countries are lower than labor costs in the United States, you may consider this as encouraging exports by your organization, in which case you would check box 4 or 5 for factor number 3.

#	Factor your company faces	Rank from 1 (strongly discouraged exporting) to 5 (strongly encouraged exporting)				
		Strongly discouraged exporting	Discouraged exporting	No impact	Encouraged exporting	Strongly encouraged exporting
1	Requirements of certification program (e-Stewards, R2, or other)	1 <input type="checkbox"/>	2 <input type="checkbox"/>	3 <input type="checkbox"/>	4 <input type="checkbox"/>	5 <input type="checkbox"/>
2	Market demand for your products in foreign countries	1 <input type="checkbox"/>	2 <input type="checkbox"/>	3 <input type="checkbox"/>	4 <input type="checkbox"/>	5 <input type="checkbox"/>
3	Labor costs in foreign markets	1 <input type="checkbox"/>	2 <input type="checkbox"/>	3 <input type="checkbox"/>	4 <input type="checkbox"/>	5 <input type="checkbox"/>
4	Lack of recycling or processing capacity in the United States	1 <input type="checkbox"/>	2 <input type="checkbox"/>	3 <input type="checkbox"/>	4 <input type="checkbox"/>	5 <input type="checkbox"/>
5	Environmental concerns	1 <input type="checkbox"/>	2 <input type="checkbox"/>	3 <input type="checkbox"/>	4 <input type="checkbox"/>	5 <input type="checkbox"/>
6	General commitment to keeping work in the United States	1 <input type="checkbox"/>	2 <input type="checkbox"/>	3 <input type="checkbox"/>	4 <input type="checkbox"/>	5 <input type="checkbox"/>
7	Commodity prices	1 <input type="checkbox"/>	2 <input type="checkbox"/>	3 <input type="checkbox"/>	4 <input type="checkbox"/>	5 <input type="checkbox"/>
8	State laws requiring used electronics collection/take back	1 <input type="checkbox"/>	2 <input type="checkbox"/>	3 <input type="checkbox"/>	4 <input type="checkbox"/>	5 <input type="checkbox"/>
9	Transportation costs	1 <input type="checkbox"/>	2 <input type="checkbox"/>	3 <input type="checkbox"/>	4 <input type="checkbox"/>	5 <input type="checkbox"/>
10	Low product volume	1 <input type="checkbox"/>	2 <input type="checkbox"/>	3 <input type="checkbox"/>	4 <input type="checkbox"/>	5 <input type="checkbox"/>
11	Knowledge of foreign markets	1 <input type="checkbox"/>	2 <input type="checkbox"/>	3 <input type="checkbox"/>	4 <input type="checkbox"/>	5 <input type="checkbox"/>
12	Foreign tariffs, taxes, or regulations governing trade in used electronic products	1 <input type="checkbox"/>	2 <input type="checkbox"/>	3 <input type="checkbox"/>	4 <input type="checkbox"/>	5 <input type="checkbox"/>
13	Existing relationship between U.S. and foreign organizations	1 <input type="checkbox"/>	2 <input type="checkbox"/>	3 <input type="checkbox"/>	4 <input type="checkbox"/>	5 <input type="checkbox"/>
14	Other-specify: <input type="text"/>	1 <input type="checkbox"/>	2 <input type="checkbox"/>	3 <input type="checkbox"/>	4 <input type="checkbox"/>	5 <input type="checkbox"/>
15	Other-specify: <input type="text"/>	1 <input type="checkbox"/>	2 <input type="checkbox"/>	3 <input type="checkbox"/>	4 <input type="checkbox"/>	5 <input type="checkbox"/>

- 3.12 Please indicate the share of your organization's U.S. output of used electronic products in 2011 **that you believe (or are reasonably certain) was later exported by another organization**, by weight. Do not include your organization's direct exports. **Your best estimate is acceptable.**

#	Product group and related parts and components	Percent of 2011 output, based on weight
1	Equipment sold, tested, and working for reuse	
2	Equipment sold to other organization for refurbishment, repair, or resale	
3	Printed circuit boards (whole or shredded)	
4	CRT monitors and televisions, including component parts from CRTs disassembled by your organization	
5	Commodity-grade scrap metals not including circuit boards or CRTs	
6	Commodity-grade scrap plastics, not including circuit boards	
7	Commodity-grade scrap glass, not including CRTs	
8	Disposal and goods that you paid to recycle	
9	Other-specify:	
10	Unknown	
11	Total (the sum of the figures above should equal 100)	

- 3.13 Please indicate which product groups your organization exported in 2011. Only consider products your organization exported directly (not products that were later exported by another organization). Check all that apply.

- Refurbished or repaired electronic products, sold tested and working
- Used electronic products destined to be refurbished or repaired
- CRT monitors or televisions
- Whole or shredded circuit boards
- Commodity-grade scrap from used electronic products
- Wires and cables from used electronic products

- 3.14 Did you check any of the boxes in the previous question?

- Yes. Go to section 4
- No. Skip to section 8

**Section 4: U.S. Exports of Refurbished or Repaired Used Electronic Products**

In this section we are requesting information about your organization's exports of **refurbished or repaired** used electronic products.

4.1 Did your organization export refurbished or repaired used electronic products during 2011?

- Yes. Continue to next question  
 No. Go to section 5

4.2 Which of the following best describes your export shipments of used electronic products in 2011? Check one.

- Shipments including only a single type of used electronic product  
 Shipments including mixed types of used electronic products  
 Shipments including used electronic products mixed with other types of products  
 Shipments of used electronic products for repair overseas that were expected to be shipped back to the United States after repair

4.3 For your organization, please compare 2011 exports of refurbished or recycled used electronic products (by number of units), with exports in previous years. Check one.

- About the same  
 Higher than most years  
 Lower than most years

4.4 For the refurbished or repaired used electronic products (including related parts and components) that your organization exported in 2011, please list the export classification codes in the format shown for your top five products, ranked by weight. These export categories can be found at [U.S. Schedule B: Statistical Classification of Domestic and Foreign Commodities Exported from the United States](#)

Rank (by weight, descending order)	Schedule B 10-digit subheading (xxxx.xx.xxxx)
1	
2	
3	
4	
5	



- 4.5 **Sales by value:** For used electronic products that your organization **refurbished or repaired** in 2011, or that your organization processed but sold to another organization for refurbishment or repair, please indicate where and how those products were sold. For each product group, please estimate the **value of sales** by destination. **Your best estimate is acceptable.** In all columns, include sales to affiliates of your organization.

#	Product group and related parts and components	Sold, tested and working, in the United States	Sold, tested and working, outside the United States (exported)	Sold to another U.S. organization for refurbishing or repair	Sold to another organization outside the U.S. for refurbishing or repair (exported)	Unknown	Total sales of repaired or refurbished products (\$)	
<b>Sales in 2011 (full figure dollars)</b>								
1	Computers							
2	Computer peripheral equipment							
3	Flat screen monitors							
4	Monitors and televisions containing CRTs							
5	Televisions and other video and audio equipment, not including CRTs, but including still-image cameras and camcorders							
6	Mobile handsets (cell phones) and other telecommunication equipment							
7	Office imaging equipment (printers, copiers, fax machines, scanners, etc.)							
8	Medical imaging equipment (x-ray, MRI, CT scan machines, etc.)							
9	Whole printed circuit boards							
10	Other-specify:							
11	All other and unknown							
12	Total sales (\$)	This figure should match figure in question 3.2, line 1 ----->>						

- 4.6 **Sales by number of units:** For used electronic products that your organization **refurbished or repaired** in 2011, or that your organization processed but sold to another organization for refurbishment or repair, please indicate where and how those products were sold. For each product group, please estimate the **number of units** sold by destination. **Your best estimate is acceptable.** In all columns, include sales to affiliates of your organization.

#	Product group and related parts and components	Sold, tested and working, in the United States	Sold, tested and working, outside the United States (exported)	Sold to another U.S. organization for refurbishing or repair	Sold to another organization outside the U.S. for refurbishing or repair (exported)	Unknown	Total sales of repaired or refurbished products
<b>Sales in 2011 (number of units)</b>							
1	Computers						
2	Computer peripheral equipment						
3	Flat screen monitors						
4	Monitors and televisions containing CRTs						
5	Televisions and other video and audio equipment, not including CRTs, but including still-image cameras and camcorders						
6	Mobile handsets (cell phones) and other telecommunication equipment						
7	Office imaging equipment (printers, copiers, fax machines, scanners, etc.)						
8	Medical imaging equipment (x-ray, MRI, CT scan machines, etc.)						
9	Whole printed circuit boards						
10	Other-specify:						
11	All other and unknown						
12	Total units						

## Section 5: U.S. Exports of Recycled Used Electronic Products

In this section we are requesting information about your organization's exports of **recycled** used electronic products.

- 5.1 Did your organization export recycled or disassembled used electronic products, or export used electronic products for recycling or disassembly during 2011? Do not include used electronic products that you paid another organization to recycle or dispose of.
- Yes. Continue to next question
- No. Go to section 6
- 5.2 Which of the following best describes your export shipments of used electronic products that were recycled or disassembled by your organization, that you paid another organization to recycle, or that you exported for final disposal in 2011? Check one.
- Shipments including only a single type of used electronic product
- Shipments including mixed types of used electronic products
- Shipments including used electronic products mixed with other types of products
- 5.3 For your organization, please compare 2011 exports of used electronic products that were recycled or disassembled by your organization (by weight) with exports in previous years. Check one.
- About the same
- Higher than most years
- Lower than most years
- 5.4 For the recycled used electronic products (including related parts and components) that your organization exported in 2011, please list the export classification codes in the format shown for your top five products, ranked by weight. These export categories can be found at [U.S. Schedule B: Statistical Classification of Domestic and Foreign Commodities Exported from the United States](#)

Rank (by weight, descending order)	Schedule B 10-digit subheading (xxxx.xx.xxxx)
1	
2	
3	
4	
5	

- 5.5 **Sales by value:** For used electronic products that your organization **recycled (or sold to another organization for recycling)** in 2011, please indicate where and how those products were sold. For each product group, estimate the **value of sales** by destination. **Your best estimate is acceptable.** Your response should reflect the state of the product when it left your organization. In all columns, include sales to affiliates of your organization. Do not include used electronic products that you paid another organization to recycle or dispose of.

#	Product group and related parts and components	Sold recycled materials to a U.S. organization	Sold recycled materials outside the United States (exported)	Sold electronic products or parts for recycling by another U.S. organization	Sold electronic products or parts for recycling outside the United States (exported)	Sold recycled or whole, unknown destination	Total sales (\$)
<b>Sales in 2011 (full figure dollars)</b>							
1	Computers						
2	Computer peripheral equipment						
3	Flat screen monitors						
4	Monitors and televisions containing CRTs						
5	Televisions and other video and audio equipment, not including CRTs, but including still image cameras and camcorders						
6	Mobile handsets (cell phones) and other telecommunication equipment						
7	Office imaging equipment (printers, copiers, fax machines, scanners, etc.)						
8	Medical imaging equipment (x-ray, MRI, CT scan machines, etc.)						
9	Separated CRTs, mercury lamps, and batteries						
10	Whole printed circuit boards						
11	Shredded printed circuit boards			Not applicable	Not applicable		
12	Wires and cables from any electronic product						
13	Commodity metals, plastics, and glass (not including CRTs)			Not applicable	Not applicable		
14	Other-specify:						
15	All other and unknown						
16	Total sales (\$)						

- 5.6 **Sales by weight:** For used electronic products that your organization **recycled (or sold to another organization for recycling)** in 2011, please indicate where and how those products were sold. For each product group, estimate the **weight** of the recycled products by destination. **Your best estimate is acceptable.** Your response should reflect the state of the product when it left your organization. In all columns, include sales to affiliates of your organization. Do not include used electronic products that you paid another organization to recycle or dispose of.

#	Product group and related parts and components	Sold recycled materials to a U.S. organization	Sold recycled materials outside the United States (exported)	Sold electronic products or parts for recycling by another U.S. organization	Sold electronic products or parts for recycling outside the United States (exported)	Sold recycled or whole, unknown destination	Total sales weight
<b>Weight of sales in 2011 (full figure pounds)</b>							
1	Computers						
2	Computer peripheral equipment						
3	Flat screen monitors						
4	Monitors and televisions containing CRTs						
5	Televisions and other video and audio equipment, not including CRTs, but including still image cameras and camcorders						
6	Mobile handsets (cell phones) and other telecommunication equipment						
7	Office imaging equipment (printers, copiers, fax machines, scanners, etc.)						
8	Medical imaging equipment (x-ray, MRI, CT scan machines, etc.)						
10	Separated CRTs, mercury lamps, and batteries						
9	Whole printed circuit boards						
11	Shredded printed circuit boards			Not applicable	Not applicable		
12	Wires and cables from any electronic product						
13	Commodity metals, plastics, and glass (not including CRTs)			Not applicable	Not applicable		
14	Other-specify:						
15	All other and unknown						
16	Total sales by weight						

## Section 6: U.S. Exports of Used Electronic Products For Disposal

In this section we are requesting information about used electronic products that your organization **paid** another organization to recycle or dispose of.

- 6.1 Did your organization export used electronic products that you paid a foreign organization to recycle or dispose of during 2011?
- Yes. Continue to next question
- No. Go to section 7
- 6.2 Which of the following best describes your export shipments of used electronic products that you paid another organization to recycle, or that you exported for final disposal in 2011? Check one.
- Shipments including only a single type of used electronic product
- Shipments including mixed types of used electronic products
- Shipments including used electronic products mixed with other types of products
- 6.3 For your organization, please compare 2011 exports of used electronic products that you paid another organization to recycle, or that you exported for final disposal (by weight) with exports in previous years. Check one.
- About the same
- Higher than most years
- Lower than most years
- 6.4 For the used electronic products (including related parts and components) that your organization paid another organization to recycle or dispose of, and exported in 2011, please list the export classification codes in the format shown for your top five products, ranked by weight. These export categories can be found at [U.S. Schedule B: Statistical Classification of Domestic and Foreign Commodities Exported from the United States](#)

Rank (by weight, descending order)	Schedule B 10-digit subheading (xxxx.xx.xxxx)
1	
2	
3	
4	
5	

- 6.5 **Payments for recycling or disposal by value:** For used electronic products that your organization **paid to recycle or dispose of** in 2011, please indicate what happened to those products. For each product group, estimate the disposal costs by destination. **Your best estimate is acceptable.** In all columns, include sales to affiliates of your organization.

#	Product group and related parts and components	Paid for recycling or disposal in the United States	Paid for recycling or disposal outside the United States (exported)	Paid for recycling or disposal, destination unknown	Total recycling and disposal costs (\$)
<b>Costs in 2011 (full figure dollars)</b>					
1	Computers				
2	Computer peripheral equipment				
3	Flat screen monitors				
4	Monitors and televisions containing CRTs				
5	Televisions and other video and audio equipment, not including CRTs, but including still image cameras and camcorders				
6	Mobile handsets (cell phones) and other telecommunication equipment				
7	Office imaging equipment (printers, copiers, fax machines, scanners, etc.)				
8	Medical imaging equipment (x-ray, MRI, CAT scan machines, etc.)				
9	Whole printed circuit boards				
10	Shredded printed circuit boards				
11	Wires and cables from any electronic product				
12	Commodity metals, plastics, and glass (not including CRTs)				
13	Separated CRTs, mercury lamps, and batteries				
14	Other-specify:				
15	All other and unknown				
16	Total recycling and disposal costs (\$)	This figure should match the sum of the figures in both columns in question 3.6, line 1			----->>

6.6 **Payments for recycling or disposal by weight:** For used electronic products that your organization **paid to recycle or dispose of** in 2011, please indicate what happened to those products. For each product group, estimate the **weight** of the material disposed of by destination. **Your best estimate is acceptable.** In all columns, include sales to affiliates of your organization.

#	Product group and related parts and components	Paid for recycling or disposal in the United States	Paid for recycling or disposal outside the United States (exported)	Paid for recycling or disposal, location unknown	Total recycling and disposal weight
<b>Weight of disposed products in 2011 (full figure pounds)</b>					
1	Computers				
2	Computer peripheral equipment				
3	Flat screen monitors				
4	Monitors and televisions containing CRTs				
5	Televisions and other video and audio equipment, not including CRTs, but including still image cameras and camcorders				
6	Mobile handsets (cell phones) and other telecommunication equipment				
7	Office imaging equipment (printers, copiers, fax machines, scanners, etc.)				
8	Medical imaging equipment (x-ray, MRI, CAT scan machines, etc.)				
9	Whole printed circuit boards				
10	Shredded printed circuit boards				
11	Wires and cables from any electronic product				
12	Commodity metals, plastics, and glass (not including CRTs)				
13	Separated CRTs, mercury lamps, and batteries				
14	Other-specify:				
15	Unknown				
16	Total recycling and disposal weight	This figure should match the sum of the figures in both columns in question 3.6, line 2			----->>



## Section 7: Destination of U.S. Exports of Used Electronic Products

We are requesting the data in this section to help us track trends in U.S. export markets. There is no need to separate your exports by product group. Include goods that were repaired, refurbished, recycled, or disassembled by your organization; products that your organization is selling to a foreign organization to repair, refurbish, recycle, or disassemble; or goods that your organization is paying another organization to recycle or dispose of overseas.

- 7.1 Please list your organization's 2011 exports by weight of used electronic products that went to each type of foreign enterprise shown below. **Your best estimate is acceptable.** Do not include products that your organization sold in the United States that were later exported by another organization.

#	Foreign enterprise type	Export weight (full figure pounds)
1	Original equipment manufacturer (OEM)/Original device manufacturer (ODM)	
2	Recycler of used electronics	
3	Refurbisher/remanufacturer	
4	Reseller/broker	
5	Non-profit organization/charity	
6	Smelter/metal foundry	
7	Plastics reprocessor	
8	Other-specify:	
9	Unknown	
10	Total	

- 7.2 Please list your organization's 2011 exports by weight of used electronic products that went to each product end use shown below. **Your best estimate is acceptable.** Do not include products that your organization sold in the United States that were later exported by another organization.

#	End use	Export weight (full figure pounds)
1	Resale of whole equipment or working parts without further processing (tested/working in the United States)	
2	Resale of whole equipment or working parts with further processing (recycle, repair, refurbish, etc.)	
3	Charitable donation (operational goods)	
4	Recycling or disassembly	
5	Materials processing (smelting, refining, sorting)	
6	Final disposal	
7	Other-specify:	
8	Unknown	
9	Total (this figure should match total in question 7.1)	

7.3 In 2011, did your organization export any used electronic products to foreign affiliates of your organization?

- Yes
- No

If yes, what share of your organization's exports of used electronic products, by weight, was shipped to affiliates (percent)?

7.4 Please list your organization's 2011 exports by weight of used electronic products that went to each destination country. **Your best estimate is acceptable.** Do not include products that your organization sold in the United States that were later exported by another organization.

#	Country	Export by weight (full figure pounds)
	European Union (EU):	
1	Belgium	
2	Germany	
3	Sweden	
4	Other EU	
5	Brazil	
6	Canada	
7	China	
8	Colombia	
9	Ghana	
10	Hong Kong	
11	India	
12	Japan	
13	Kenya	
14	Mexico	
15	Nigeria	
16	Philippines	
17	Singapore	
18	South Africa	
19	Vietnam	
20	Other-specify: <input style="width: 200px;" type="text"/>	
21	Other-specify: <input style="width: 200px;" type="text"/>	
22	Other-specify: <input style="width: 200px;" type="text"/>	
23	Unknown country	
24	Total (this figure should match total in question 7.1)	

7.5 For your organization's top three export markets of used electronic products identified in question 7.4, please list the top three products exported based on **weight**. First select a country in the country column. Then select the appropriate product group(s) in the product columns, up to a maximum of three.

#	Country	Leading product group	Second leading product group	Third leading product group
1				
2				
3				

**Section 8. Other Information**

8.1 If your organization would like to further explain any of the responses in this questionnaire, use the space below (400 character limit). Please do not use the return or tab keys when entering text.

Character count  out of 400

8.2 If your organization would like to give more details about your own organization's exports of used electronic products, or about U.S. exports of such products more generally, use the space below (400 character limit). Please do not use the return or tab keys when entering text.

Character count  out of 400

8.3 If your organization would like to give us a written submission for the public record, click on the link below to view the *Federal Register* notice regarding this investigation and go to page 2 for submission instructions.

[Federal Register notice](#)

**Section 9. Certification**

The undersigned certifies that the information supplied herein in response to this questionnaire is complete and correct to the best of his/her knowledge and belief and understands that the information submitted is subject to audit and verification by the USITC.

Section 332(g) of the Tariff Act of 1930 (19 U.S.C. 1332(g)) provides that the Commission may not release information which it considers to be confidential business information unless the party submitting such information had notice, at the time of submission, that such information would be released by the Commission, or such party subsequently consents to the release of the information. The undersigned acknowledges that information submitted in this questionnaire response and throughout this investigation may be used by the USITC, its employees, and contract personnel who are acting in the capacity of USITC employees, for the purposes of developing or maintaining the records of this investigation or related proceedings for which this information is submitted, or in internal audits and in investigations relating to the programs and operations of the USITC pursuant to 5 U.S.C. Appendix 3. The undersigned understands that all contract personnel will sign nondisclosure agreements.

The information your organization provides in response to this questionnaire will be treated by the Commission as confidential and will not be disclosed to the public unless required by law. The information will be aggregated with information from other questionnaire responses and will be published in a manner that will not reveal the operations of your organization. The USTR has asked that the Commission not include any confidential business information in the report it transmits to him.

Certifier's name and title

Date of certification

Certifier's signature (not necessary if submitting electronically)

If submitting an electronic version of this certificate to the Commission, check the box below in place of a written signature to indicate that the authorized official listed has certified the information provided.

 Certified

## Section 10. Submitting the Questionnaire

10.1 Before submitting your organization's completed questionnaire, please report the actual number of hours required and the cost to your organization of completing this questionnaire, including all preparatory activities.

Hours

Cost (\$)

10.2 Please make sure that the following items have been addressed before submitting your organization's questionnaire.

All responders:

- Contact information is shown in section 1

Responders that selected "Yes" for question 2.1:

- All numeric data are in full figures, not thousands, millions, or similar format  
 Rest of section 2 and all of section 3 has been completed

Responders that selected "Yes" for question 3.14:

- Total in questions 4.5 matches the total in line 1 of question 3.2  
 Totals in questions 6.5 and 6.6 match the sum of totals in both columns in question 3.6

10.3 Please save the questionnaire and use one of the submission options shown below.



Web submit

Use this option to transmit your completed questionnaire through our secure electronic drop box facility. Click on the link in this button and follow the instructions. In the PIN entry box, type: elec



Use this option to send your completed questionnaire as an email attachment. Click on this button and follow the instructions. Note that submitting your questionnaire response by e-mail will subject your organization's confidential business information (CBI) to transmission over an unsecured environment and to possible disclosure to third parties. Any risk of disclosure of CBI during transmission is assumed by your organization and not us. However, once the email is received, the questionnaire response will be stored in our secured environment and will receive safeguards detailed in the certification in section 9.



Use this option if you would prefer to send your completed questionnaire on a CD (or other removable media). Click on the button and save the questionnaire to a CD. Mail the CD to us (see address on page 1). Sending the CD by regular U.S. mail is not recommended because this type of mail undergoes additional processing to screen for hazardous material that will likely substantially delay the delivery and may cause damage to the CD. Overnight mail service is recommended.



Use this option if you would prefer to send your completed questionnaire in hard copy form. Click on the button and your print screen will appear. After printing, mail or fax the completed questionnaire to us (see address and fax number on page 1). Sending the questionnaire by regular U.S. mail is not recommended because this type of mail undergoes additional processing to screen for hazardous material that will likely substantially delay the delivery. Overnight mail service is recommended.