



U.S. DEPARTMENT OF COMMERCE  
Economics and Statistics Administration  
U.S. CENSUS BUREAU

FORM  
**BRDI-1A** (01-06-2009)

## 2008 BUSINESS R&D AND INNOVATION SURVEY

OMB No. 0607-0912: Approval Expires 10/31/2011

### DUE DATE:

#### Report electronically:

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U.S. CENSUS BUREAU  
1201 East 10th Street  
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#### For information or assistance:

- [www.census.gov/econhelp/brdis](http://www.census.gov/econhelp/brdis)
- Call 1-800-772-7851, option "5" (8 a.m. – 5 p.m. EST, M-F)
- Write to the address above. Include your 11-digit ID printed on the mailing label.

**INFORMATION COPY  
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*(Please correct any errors in this mailing address)*

### Your Response is Required by Law

Title 13, United States Code, requires businesses and other organizations that receive this questionnaire to answer the questions and return the report to the Census Bureau.

Respondents are not required to respond to any information collection unless it displays a valid approval number from the Office of Management and Budget (OMB). The OMB number appears at the top of this page.

### Your Response is Confidential by Law

Title 13, United States Code, requires that your response be seen only by persons sworn to uphold the confidentiality of Census Bureau information and may be used only for statistical purposes. The law also provides that copies retained in your company's files are immune from legal process.

### Thank You – Your Response is Important

The Business R&D and Innovation Survey will provide valuable information for U.S. policy makers as well as industry and academic data users. Better information about R&D and innovation in the U.S. business sector will help leaders make better decisions to strengthen American competitiveness.

Accurate and timely statistical information could not be produced without your continued cooperation and goodwill. Thank you.

*~ This survey is jointly conducted by the U.S. Census Bureau and the National Science Foundation ~*



## Overview

### What does this survey ask?

This survey asks questions about your company's **R&D expenses** as well as R&D that is paid for by customers, the government, and other organizations that are not owned by your company (**funded R&D**). This survey also requests data on your company's R&D employees and intellectual property.

The Business R&D and Innovation Survey is divided into sections. Each section asks questions about different aspects of R&D and innovation at your company. It may be necessary to collaborate with colleagues in different departments within your company for each section. The sections cover the following topical areas:

#### Questions 1•2 to 1•8: Company Information

- Asks for information about your company's ownership, business(es), and revenue
- **All companies must complete Questions 1•2, 1•3, and 1•4** to determine whether they are required to complete the rest of the survey

#### Questions 2•1 to 2•17: R&D Paid for by Your Company (R&D Expense)

- Asks for information about R&D expenses—R&D funded or paid for by your company
- Best answered by persons with knowledge of your company's financial records
- Best answered by persons with first-hand knowledge of R&D operations, such as a VP of research

#### Questions 3•1 to 3•44: Management and Strategy of R&D Expense

- Asks for strategic and technical information about your company's R&D expense reported in Section 2
- Best answered by persons familiar with first-hand knowledge of R&D operations, such as a VP of research

#### Questions 4•1 to 4•30: R&D Funded or Paid for by Others

- Asks for information about R&D that is paid for by others, such as that paid for by customers or partners
- Best answered by persons with knowledge of your company's financial records related to contracts and grants

#### Questions 5•1 to 5•14: R&D Human Resources

- Asks for information about your company's R&D employees
- Best answered by persons with knowledge of your company's human resources records

#### Questions 6•1 to 6•13: Intellectual Property, Technology Transfer, and Innovation

- Asks for information about intellectual property, patents, technology transfer activities, such as patent licensing, and actions taken to improve company performance
- Best answered by persons with knowledge of your company's patenting, licensing, and general business strategy

#### Questions 7•1 to 7•3: Reporting Information

- Asks for information about completing this form, including hours spent on the form

### What is Research and Development (R&D)?

R&D is planned, creative work aimed at discovering new knowledge or developing new or significantly improved goods and services. It includes 1) activity aimed at acquiring new knowledge or understanding without specific immediate commercial application or use (basic research); 2) activity aimed at solving a specific problem or meeting a specific commercial objective (applied research); and 3) systematic use of research and practical experience to produce new or significantly improved goods, services, or processes (development).

The term Research and Development does **NOT** include expenditures for:

- Costs for routine product testing, quality control, and technical services unless they are an integral part of an R&D project
- Market research
- Efficiency surveys or management studies
- Literary, artistic, or historical projects, such as films, music, or books and other publications
- Prospecting or exploration for natural resources

### How do I obtain additional information?

Our website [www.census.gov/econhelp/brdis](http://www.census.gov/econhelp/brdis) has the following information:

- More detailed general information about the Business R&D and Innovation Survey
- Frequently asked questions
- Sample questionnaires



## General Instructions

### Can I file this survey electronically?

Yes. You may submit your report by mail or electronically via Census Taker, a web-based form.

### How to file electronically

- (1) Go to [www.census.gov/econhelp/brdis](http://www.census.gov/econhelp/brdis)
- (2) Click on Report Online
- (3) Follow the online instructions to log in and respond to this survey

### Advantages

- Reduced time and expense to report
- Improved quality through automatic data checks
- You can exit the form and resume at a later time without losing your data
- Save a paper or electronic version of your completed form
- Your information is encrypted at all times
- No plug-ins or downloaded software is required

### What is the reporting unit?

The reporting unit is your company, including all subsidiaries and divisions. Include operations of subsidiary companies where there is more than 50 percent ownership. Also, include data for discontinued operations.

**NOTE:** If your company is owned by a non-U.S. company, do not include data for your foreign owner or for any other affiliated companies not owned by your company.

### What do the terms "worldwide" and "domestic" mean?

The term "worldwide" refers to all geographic locations, including the United States. The term "domestic" refers to the 50 United States and the District of Columbia only.

### How should dollar amounts be reported?

Report all dollar amounts rounded to the nearest thousand.  
Do not use slashes through 0's or 7's, when entering numeric data.

	\$Bil.	Mil.	Thou.
<b>Example:</b> If figure is \$179,125,628.00 report:	<input type="text"/>	1 7 9	1 2 6

### Are estimates acceptable?

Yes, estimates are acceptable. Please report all items to the best of your ability.

### How should I answer a question that does not apply to my company?

Enter "0" if a question or category does not apply to your company.

### What time period should be reported?

Report data for calendar year 2008, if possible, or for your company's fiscal year ending between April 2008 and March 2009.

**NOTE:** If your company was either purchased or ceased operations between April 1 and December 31, 2008, complete the survey for the time period from January 1, 2008 to the date of purchase or the date your company ceased operations.

### How do I obtain copies of the final data reports?

Data from this survey, as well as other sources of information on science and technology, are available at the National Science Foundation's website: [www.nsf.gov/statistics/](http://www.nsf.gov/statistics/).

**To speak with a survey analyst, call 1-800-772-7851, option "5" (8 a.m. – 5 p.m. EST, M-F)**





**1•5** Using the business code(s) in the boxes below this question, or the codes on pages 6-7, please select the code that accounts for the largest share of your company's 2008 R&D activities worldwide.

Business code with most R&D activity

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**Why is this code needed?**

This code is needed to report your sales for Question 1•8. It is also used in Question 2•14 to report R&D information.

**How did we decide on the codes listed below for your company?**

We selected the codes using payroll and receipts data contained in our database for your company's domestic establishments. The codes and descriptions are based on groups of industries from the North American Industry Classification System (NAICS) selected specifically for this form.

**NOTE: If you have no business codes printed below, please refer to the list on pages 6-7 to find the code that best answers this question for your company.**

Business Code (see pages 6-7)	Description

**1•6** What was the amount of your company's worldwide net sales and operating revenues—the value of goods and services sold during the year, net of discounts, returns, and allowances—during 2008?

**Include:**

- Sales and operating revenues for discontinued operations

**Exclude:**

- Non-operating income (i.e. dividends, interest)
- Excise, sales, and other revenue based taxes

\$Bil.                      Mil.                      Thou.

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**1•7** How much of the 2008 worldwide net sales and operating revenues reported in Question 1•6 was from domestic operations?

**Include:**

- Operating revenues and sales to foreign subsidiaries

\$Bil.                      Mil.                      Thou.

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**1•8** How much of the 2008 sales and operating revenue amounts was for the business code reported in Question 1•5:

- (1) Worldwide net sales and operating revenues reported in Question 1•6
- (2) Domestic net sales and operating revenues reported in Question 1•7

Business Code	(1) Worldwide sales and revenues			(2) Domestic sales and revenues					
	\$Bil.	Mil.	Thou.	\$Bil.	Mil.	Thou.			



**Business codes****Aerospace & Defense**

33641	Aircraft manufacturing
33642	Aircraft engine and engine parts manufacturing
33643	Other aircraft parts and auxiliary equipment manufacturing
33644	Guided missiles, space vehicles, and parts manufacturing
33692	Military armored vehicle, tank, and tank components manufacturing
33452	Search, detection, navigation, guidance, aeronautical, and nautical system and instruments manufacturing
33660	Ship and boat building

**Automobiles, Motorcycles, & Components**

33610	Motor vehicles manufacturing
33620	Motor vehicle body and trailer manufacturing
33630	Motor vehicle parts manufacturing
33691	Motorcycle, bicycle, and parts manufacturing
33699	All other transportation equipment manufacturing

**Capital Goods**

33430	Audio and video equipment manufacturing
33330	Commercial, service industry, temperature control, and airflow control machinery manufacturing
33312	Construction machinery manufacturing
23600	Construction of buildings
33360	Engine, turbine, and power transmission equipment manufacturing
33200	Fabricated metal products manufacturing
33311	Farm machinery and equipment manufacturing
23700	Heavy and civil engineering construction
33322	Industrial machinery manufacturing, except semiconductor machinery
33390	Metalworking and other general purpose machinery manufacturing
33313	Mining machinery and equipment manufacturing
33651	Railroad rolling stock manufacturing
33660	Ship and boat building
23800	Specialty trade contractors

**Commercial and Professional Services (including contract research)**

54120	Accounting, tax preparation, bookkeeping, and payroll services
54180	Advertising and related services
54130	Architectural, engineering, and related services
56140	Business support services
53240	Commercial and industrial machinery and equipment rental and leasing
54110	Legal services
54160	Management, scientific, and technical consulting services
56190	Office administrative, facilities, employment, and other support services
32300	Printing and related support activities
56290	Remediation and other waste management services
54170	Research & development services
54140	Specialized design services
56150	Travel arrangement and reservation services

**Consumer Goods & Services**

71300	Amusement, gambling, and recreation industries
31500	Apparel manufacturing
33430	Audio and video equipment manufacturing
81110	Automotive repair and maintenance
31210	Beverage manufacturing
51520	Cable and other subscription programming (except Internet)
62440	Child day care services
44800	Clothing and clothing accessories stores
23600	Construction of buildings
53220	Consumer goods and general rental centers
61100	Educational services
33500	Electrical equipment, appliances, and components manufacturing
45410	Electronic shopping and mail-order houses
44300	Electronics and appliance stores
44500	Food and beverage stores
31100	Food manufacturing
72200	Food services and drinking places
33700	Furniture and related products manufacturing
45200	General merchandise stores
51600	Internet publishing and broadcasting
56160	Investigation, security, and services to buildings and dwellings
31600	Leather and allied products manufacturing
51200	Motion picture and sound recording (except Internet)
44100	Motor vehicle and parts dealers
51110	Newspaper, periodical, book, and directory publishers (except internet)
81200	Personal care, death care, laundry, and other personal services
51510	Radio and television broadcasting (except Internet)
81190	Repair and maintenance, except automotive
32591	Soap, cleaning compound, and toilet preparations manufacturing
62400	Social assistance (except child day care services)
31300	Textile mill products
31220	Tobacco manufacturing
72100	Traveler accommodation services

**Energy**

21210	Coal mining
22110	Electric power generation, transmission, and distribution
21100	Oil and gas extraction
33313	Oil and gas field machinery and equipment manufacturing
32400	Petroleum and coal products manufacturing
48610	Pipeline transportation of crude oil, refined petroleum, and miscellaneous products, except natural gas
56150	Travel arrangement and reservation services

**Financials**

52230	Activities related to credit intermediation
52420	Agencies, brokerages, and other insurance related activities
52210	Depository credit intermediation
52500	Funds, trusts, and other financial vehicles
52410	Insurance carriers
52100	Monetary authorities-central bank
52220	Nondepository credit intermediation





53100 Real estate  
52300 Securities, commodity contracts, and other financial investments and related activities

#### Health Care

33451 Electromedical, electrotherapeutic and irradiation apparatus manufacturing  
62210 General medical and surgical hospitals  
62160 Home health care services  
32543 In-vitro diagnostic substances manufacturing  
62150 Medical and diagnostic laboratories  
33910 Medical equipment and supplies manufacturing  
62300 Nursing and residential care facilities  
62120 Offices of dentists and other health practitioners  
62110 Offices of physicians  
62190 Outpatient care centers and other ambulatory health care services  
32541 Pharmaceutical, medicinal, botanical, and biological products (except diagnostic) manufacturing  
62220 Psychiatric, substance abuse, and specialty hospitals  
54170 Research & development services

#### Information Technology - Goods and Services

33429 Communication equipment manufacturing, except broadcasting, wireless, and telephone apparatus  
54150 Computer systems design and related services  
33410 Computers and peripheral equipment manufacturing  
51820 Data processing, hosting, and related services  
33500 Electrical equipment, appliances, and components manufacturing  
51900 Information services (not elsewhere listed in this category)  
51810 Internet service providers and web search portals  
33460 Manufacturing and reproducing magnetic and optical media manufacturing  
33459 Measuring and control instruments manufacturing (not listed elsewhere in this category)  
33422 Radio and television broadcasting and wireless communications equipment manufacturing  
33452 Search, detection, navigation, guidance, aeronautical, and nautical system and instruments manufacturing  
33440 Semiconductor and other electronic components manufacturing  
33321 Semiconductor machinery manufacturing  
51120 Software  
33421 Telephone apparatus manufacturing

#### Materials

32511 Basic chemicals manufacturing  
32790 Cement, concrete, lime, gypsum, and other nonmetallic mineral product manufacturing  
32710 Clay and glass products manufacturing  
33150 Ferrous and nonferrous foundries  
33110 Iron and steel mills, ferroalloy, and steel product from purchased steel  
21220 Metal ore mining  
33130 Nonferrous metals production and processing  
21230 Nonmetallic mineral mining and quarrying

32592 Paint, adhesive, and other chemical manufacturing  
32200 Paper manufacturing  
32530 Pesticide, fertilizer, and other agricultural chemical manufacturing  
32600 Plastics and rubber products manufacturing  
32512 Resin, synthetic rubber, and artificial synthetic fibers and filaments manufacturing  
32591 Soap, cleaning compound, and toilet preparations manufacturing  
21310 Support activities for solid mineral operations  
32100 Wood products manufacturing

#### Telecommunication Service

51750 Cable and other program distribution  
51740 Satellite telecommunications  
51710 Wired telecommunications carriers  
51720 Wireless telecommunications carriers (except satellite)  
51790 Telecommunications services (not listed elsewhere)

#### Transportation

48100 Air transportation  
53210 Automotive equipment rental and leasing  
49200 Couriers and messengers  
48200 Rail transportation  
48700 Scenic and sightseeing transportation  
48800 Support activities for transportation  
48500 Transit and ground passenger transportation  
48400 Truck transportation  
49300 Warehousing and storage  
48300 Water transportation

#### Utilities

22110 Electric power generation, transmission, and distribution  
22120 Natural gas distribution  
56290 Remediation and other waste management services  
56210 Waste collection, treatment, and disposal  
22130 Water, sewage, and other systems

#### Business Codes Not Elsewhere Classified

53300 Lessors of nonfinancial intangible assets  
55100 Management of companies and enterprises  
42300 Merchant wholesalers, durable goods  
42400 Merchant wholesalers, nondurable goods  
33990 Miscellaneous manufacturing (not listed elsewhere)  
71200 Museums, historical sites, and similar institutions  
45490 Nonstore retailers, except electronic shopping and mail-order houses  
71100 Performing arts, spectator sports, and related industries  
54190 Professional, scientific, and technical services (not listed elsewhere)  
45990 Retail trade stores, including gasoline stations (not listed elsewhere)  
42500 Wholesale electronic markets and agents and brokers



## R&D Paid for by Your Company (R&D Expense)

### What does this section cover?

This section requests financial information about your company's R&D expenses and capital expenditures for R&D. This section requests information about your company's R&D at multiple levels of detail: for your worldwide consolidated enterprise, for units or parts of your company defined by geography (countries, states, specific location), and for parts of your company defined by business code.

### What does "R&D Expense" mean?

Report R&D expense according to accounting definitions used by your company. For more information refer to Financial Accounting Standards Board (FASB) Statement of Accounting Standards No.2 (Accounting for Research and Development Costs). For this survey, report R&D expense even if the amount is not considered material to your company.

See definitions of worldwide and domestic on page 3.

### 2-1 What was the total worldwide R&D expense for your company (including all domestic R&D expenses) in 2008?

#### **Include:**

- R&D expenses for all foreign and domestic subsidiaries and divisions owned by your company
- R&D services purchased from others, including medical clinical trials
- R&D in social sciences—the application of scientific methods to the study of the human aspects of the world, including such disciplines as economics and psychology
- R&D expenses for discontinued operations

#### **Exclude:**

- R&D costs paid for by others not owned by your company (these costs are reported in Question 4-1), such as:
  - Costs for customer-sponsored R&D
  - Costs associated with contract services your company provides to others
  - Costs for R&D funded by government grants/contracts
  - Costs reimbursed by business partners, such as through cost-sharing agreements
- R&D costs paid for by your foreign owner, if your company is foreign-owned
- Capital expenditures for R&D (report domestic capital expenditures for R&D in Question 2-15)
- Market and advertising research
- R&D from acquired companies prior to acquisition (in-process R&D)
- Costs for routine product testing, quality control, and technical services unless they are an integral part of an R&D project
- Independent research and development (IR&D) costs for which your company anticipates reimbursement by the U.S. federal government through indirect charges on government contracts (these costs are reported in Question 4-1)

\$Bil.                      Mil.                      Thou.

<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>
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**2•2 Was the amount entered in Question 2•1 greater than zero?**

- Yes → **Continue with Question 2•3**
- No → **Skip to Question 4•1 on page 15**

**What does "R&D performed by your company" mean?**

R&D performed by your company includes all costs for R&D performed by your company's full-time, part-time, and temporary employees. It excludes costs for R&D performed by others not owned by your company, such as contract research organizations, universities, and federal laboratories.

**2•3 How much of the 2008 worldwide R&D expense reported in Question 2•1 was for R&D performed by your company and how much was for R&D performed by others not owned by your company?**

	\$Bil.	Mil.	Thou.
a. R&D performed by your company. . . . .	□ □	□ □ □	□ □ □
<p><b>Include:</b></p> <ul style="list-style-type: none"> <li>• All costs for R&amp;D performed by your company's full-time, part-time, and temporary employees</li> </ul>			
b. R&D performed by others not owned by your company, such as contract research organizations, universities, and government labs. . . . .	□ □	□ □ □	□ □ □
<p><b>Include:</b></p> <ul style="list-style-type: none"> <li>• If your company is foreign-owned, include your R&amp;D expense that paid for R&amp;D performed by your foreign owner</li> </ul>			
c. <b>Total</b> (equals Question 2•1). . . . .	□ □	□ □ □	□ □ □

**2•4 – 2•5 Not applicable to this form**

**2•6 How much of the R&D performed by your company in 2008 reported in Question 2•3, line a, was performed in (a) the United States, and (b) all other countries?**

	\$Bil.	Mil.	Thou.
a. United States (domestic). . . . .	□ □	□ □ □	□ □ □
b. All other countries. . . . .	□ □	□ □ □	□ □ □
c. <b>Total</b> (equals Question 2•3, line a). . . . .	□ □	□ □ □	□ □ □

**2•7 Not applicable to this form**



**2•8 How much of the domestic R&D performed by your company reported in Question 2•6, line a, was for the following types of costs?**

	\$Bil.	Mil.	Thou.
a. Gross annual payroll—wages and salaries of R&D employees and officers excluding fringe benefits . . . . .	<input type="text"/>	<input type="text"/>	<input type="text"/>
b. Employer’s cost for fringe benefits . . . . .	<input type="text"/>	<input type="text"/>	<input type="text"/>
<b>Include:</b>			
<ul style="list-style-type: none"> <li>• Disability benefits</li> <li>• Life and medical insurance</li> <li>• Paid holidays, time off benefits, vacation, annual, sick, and maternity leave</li> <li>• Retirement benefits, pension, and social security contributions</li> </ul>			
c. All other costs . . . . .	<input type="text"/>	<input type="text"/>	<input type="text"/>
d. <b>Total</b> (equals Question 2•6, line a) . . . . .	<input type="text"/>	<input type="text"/>	<input type="text"/>

**2•9 In which state (including the District of Columbia) did your company perform the largest dollar amount of 2008 R&D reported in Question 2•6, line a, and how much of that R&D was performed in this state?**

State	\$Bil.	Mil.	Thou.
<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>

**2•10 At what domestic location did your company perform the largest dollar amount of R&D in 2008?**

**Address 1**

**Address 2**

**City**  **State**  **ZIP**

**2•11 How much of the domestic R&D performed by your company reported in Question 2•6, line a, was from the location identified in Question 2•10?**

\$Bil.	Mil.	Thou.
<input type="text"/>	<input type="text"/>	<input type="text"/>

**2•12 How much of the worldwide R&D expense reported in Question 2•1 was for the business code reported in Question 1•5?**

Business Code (see page 5)	\$Bil.	Mil.	Thou.
<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>



**2•13** Not applicable to this form

**2•14** How much of the worldwide R&D expense for the business code reported in Question 2•12 was domestic R&D performed by your company and reported in Question 2•6, line a?

<b>Business Code</b> (see page 5) <input type="text"/> <input type="text"/> <input type="text"/> <input type="text"/> <input type="text"/>	\$Bil.      Mil.      Thou. <input type="text"/> <input type="text"/> <input type="text"/> <input type="text"/> <input type="text"/> <input type="text"/> <input type="text"/> <input type="text"/>
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**2•15** How much of your company's domestic capital expenditures in 2008 was for R&D operations?

\$Bil.      Mil.      Thou. <input type="text"/> <input type="text"/> <input type="text"/> <input type="text"/> <input type="text"/> <input type="text"/> <input type="text"/> <input type="text"/>
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**2•16** Not applicable to this form

**2•17** What is your company's projected 2009 worldwide R&D expense for the following categories?

**NOTE:** The total for this question is the 2009 projection of what is reported in question 2•1.

	\$Bil.	Mil.	Thou.
a. R&D performed by your company at domestic locations. . . .	<input type="text"/> <input type="text"/>	<input type="text"/> <input type="text"/> <input type="text"/>	<input type="text"/> <input type="text"/> <input type="text"/>
b. R&D performed by your company at foreign locations . . . . .	<input type="text"/> <input type="text"/>	<input type="text"/> <input type="text"/> <input type="text"/>	<input type="text"/> <input type="text"/> <input type="text"/>
c. R&D performed by others not owned by your company, such as contract research organizations, universities, and government labs. . . . .	<input type="text"/> <input type="text"/>	<input type="text"/> <input type="text"/> <input type="text"/>	<input type="text"/> <input type="text"/> <input type="text"/>
<b>Include:</b>			
• If your company is foreign-owned, include your R&D expense that paid for R&D performed by your foreign owner			
d. <b>Total projected worldwide R&amp;D expense for 2009</b> . . . .	<input type="text"/> <input type="text"/>	<input type="text"/> <input type="text"/> <input type="text"/>	<input type="text"/> <input type="text"/> <input type="text"/>

**2•18** – **2•20** Not applicable to this form



**3•1 – 3•6 Not applicable to this form**

**NOTE: Questions 3•7–3•41 may require input from persons familiar with the management and strategy of your company’s R&D**

**3•7 What percentage of the worldwide R&D expense in 2008 reported in Question 2•1 was for R&D in science/technology new to the market(s) (i.e. first-to-market) in which your company operates?**

**Exclude**

- R&D to improve upon, replicate, or adopt science/technology currently in use in the market(s) in which your company operates

**Example:** Company D manufactures cookware. In 2008, it devotes 10% of its R&D expense to exploring the potential use in its products of a heat-conducting material currently used only by the aerospace industry. The remainder of D’s R&D is focused on improving products and technology already used in the cookware market. Company D reports 10% for this question.

Percent

<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	%
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**Worldwide R&D agreements**

**3•8 What percentage of the worldwide R&D expense in 2008 reported in Question 2•1 was for R&D agreements?**

**R&D agreements** involve two or more parties pooling resources and expertise to undertake R&D and share in any resulting intellectual property. R&D agreements involve shared risk and shared reward.

Percent

<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	%
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**3•9 – 3•15 Not applicable to this form**

**Characteristics of domestic R&D performed by your company that was part of your R&D expense**

**3•16 What percentage of the domestic R&D performed by your company in 2008 reported in Question 2•6, line a, was for the following categories?**

- a. Research-planned, systematic pursuit of new knowledge or understanding . . .
- b. Development-systematic use of research and practical experience to produce new or significantly improved goods, services, or processes . . . . .
- c. **Total** . . . . .

Percent

<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	%
<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	%
<b>1</b>	<b>0</b>	<b>0</b>	<b>0</b>	%

**3•17 If you reported any research in Question 3•16, line a, what percentage of that research was for the following categories?**

- a. Applied research-activity aimed at solving a specific problem or meeting a specific commercial objective. . . . .
- b. Basic research-activity aimed at acquiring new knowledge or understanding without specific immediate commercial application or use. . . . .
- c. **Total** . . . . .

Percent

<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	%
<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	%
<b>1</b>	<b>0</b>	<b>0</b>	<b>0</b>	%

**3•18 – 3•20 Not applicable to this form**



**3•21** What percentage of the domestic R&D performed by your company in 2008 reported in Question 2•6, line a, was for R&D in science/technology new to the market(s) (i.e. first-to-market) in which your company operates?

**Exclude:**

- R&D to improve upon, replicate, or adopt science/technology currently in use in the market(s) in which your company operates.

**Example:** Company H manufactures cookware. In 2008, 10% of its domestic R&D performed by its company is for exploring the potential use in its products of a heat-conducting material currently used only by the aerospace industry. The remainder of H's domestic R&D performed by its company is focused on improving products and technology already used in the cookware market. Company H reports 10% for this question.

Percent

%

**Areas of application for domestic R&D performed by your company**

**3•22** What percentage of the domestic R&D performed by your company in 2008 reported in Question 2•6, line a, had defense applications, including military applications and general security-related R&D?

Percent

%

**3•23** What percentage of the domestic R&D performed by your company in 2008 reported in Question 2•6, line a, had health or medical applications?

Percent

%

**3•24** What percentage of the domestic R&D performed by your company in 2008 reported in Question 2•6, line a, had energy applications, including energy production, distribution, storage, and efficiency (excluding exploration and prospecting)?

**Example:** Company I is a semiconductor manufacturer. Its products are not designed specifically for energy applications, but 10% of its domestic R&D performed by its company is focused on improving the energy efficiency of its products. Based on this, Company I reports "10%" for this question.

Percent

%

**3•25** What percentage of the domestic R&D performed by your company in 2008 reported in Question 2•6, line a, had environmental protection applications, including pollution abatement R&D?

Percent

%

**3•26** What percentage of the domestic R&D performed by your company in 2008 reported in Question 2•6, line a, had agricultural applications?

Percent

%

**Technology focus of domestic R&D performed by your company**

**3•27** What percentage of the domestic R&D performed by your company in 2008 reported in Question 2•6, line a, was for software products?

Percent

%

**3•28** What percentage of the domestic R&D performed by your company in 2008 reported in Question 2•6, line a, was for software embedded in other projects or products?

Percent

%



**3•29 – 3•32 Not applicable to this form**

**3•33** What percentage of the domestic R&D performed by your company in 2008 reported in Question 2•6, line a, was for biotechnology—the use of cellular and bio-molecular processes to solve problems or make useful products? Percent  
   %

**3•34** What percentage of the domestic R&D performed by your company in 2008 reported in Question 2•6, line a, was for nanotechnology—science and technology involving work at the nanometer scale? Percent  
   %

**3•35** What percentage of the domestic R&D performed by your company in 2008 reported in Question 2•6, line a, was for social sciences—the application of scientific methods to the study of human aspects of the world, including such disciplines as economics and psychology? Percent  
   %

**3•36 – 3•39 Not applicable to this form**

**Activities with academia**

- 3•40** Did your company perform any of the following activities with universities, students, or academic faculty in 2008?
- a. Hired academic consultants for short-term projects in science and engineering . . . . .  Yes  No
  - b. Hosted student interns pursuing undergraduate or graduate degrees in science or engineering for at least one month. . . . .  Yes  No
  - c. Hosted post-doctoral fellows in science or engineering for at least one month . . . . .  Yes  No
  - d. Scientists or engineers from your company that served as visiting scientists or engineers at a college or university for at least one month. . . . .  Yes  No
  - e. Made monetary gifts to universities or colleges that were restricted to supporting R&D . . . . .  Yes  No

**Company characteristics**

- 3•41** Were the following statements true for your company in 2008?
- a. This company has been in business for fewer than 5 years as of December 31, 2008. . . . .  Yes  No
  - b. This company’s primary mission in 2008 was to commercialize science/technology discovered or developed by academic researchers. . . . .  Yes  No
  - c. This company received venture capital funding in 2008 . . . . .  Yes  No

**3•42 – 3•44 Not applicable to this form**





## R&D Funded or Paid for by Others

### What does this section cover?

This section requests information about your company's R&D activities that are funded or paid for by others not owned by your company (funded R&D). R&D reported in the last section should not be included in responses to this section.

Please answer Questions 4-1 to 4-3 to see if your company should fill out this section.

### What is funded R&D?

Funded R&D is R&D your company performs that is funded or paid for by others not owned by your company. Examples of funded R&D include R&D performed under contract for a customer, R&D supported by a government grant, and R&D that is performed under a reimbursable agreement with business partners.

Because the costs for this work are not paid for by your company, they are not accounted for as R&D expenses, even though the nature of the work may be identical to other activities that are accounted for as R&D expenses by your company.

See definitions of worldwide and domestic on page 3.

## Worldwide R&D performed by your company

4-1

### What were your company's total worldwide costs in 2008 for R&D that was funded or paid for by others not owned by your company?

#### **Include:**

- Cost of sales and indirect costs, such as overhead for contract R&D services provided to others not owned by your company
- R&D costs paid for by your foreign owner, if your company is foreign-owned
- Costs for R&D supported by grants from government agencies or private foundations
- Costs paid for by others for the development, production, and testing of prototypes prior to their introduction to the market
- Costs paid for by others for phase I - III medical clinical trials of medical products
- Independent research and development (IR&D) costs for which your company anticipates reimbursement by the U.S. federal government through indirect charges on government contracts
- Costs reimbursed by business partners, such as through cost-sharing agreements

#### **Exclude:**

- Costs accounted for as R&D expenses by your company (reported in Question 2-1)
- Payments in excess of the actual cost of the R&D (such as profits or fees)
- Costs for routine product testing, quality control, and technical services unless they are an integral part of an R&D project
- Costs for routine testing of products currently on the market
- Costs for phase IV medical clinical trials or other post-marketing testing performed for medical products
- Costs for R&D performed by FFRDCs (Federally Funded Research and Development Centers) your company administers
- Bid and proposal (B&P) costs

\$Bil.	Mil.	Thou.
<input type="text"/>	<input type="text"/>	<input type="text"/>



**4•2** How much of the 2008 worldwide costs reported in Question 4•1 for R&D that was funded or paid for by others not owned by your company was for R&D performed by your company and how much was for R&D performed by others not owned by your company, such as subcontractors or subgrantees?

	\$Bil.	Mil.	Thou.
a. R&D performed by your company. . . . .	□ □	□ □ □	□ □ □
<p><b>Include:</b></p> <ul style="list-style-type: none"> <li>• All costs for R&amp;D performed by your company's full-time, part-time, and temporary employees</li> </ul>			
b. R&D performed by others not owned by your company, such as subcontractors or subgrantees. . . . .	□ □	□ □ □	□ □ □
c. <b>Total</b> (equals Question 4•1). . . . .	□ □	□ □ □	□ □ □

**4•3** Was the amount entered in Question 4•2, line a, greater than zero?

- Yes → **Continue with Question 4•4**
- No → **Skip to page 20**

**4•4** How much of the 2008 worldwide R&D performed by your company that was funded by others reported in Question 4•2, line a, was performed in (a) the United States, and (b) all other countries?

	\$Bil.	Mil.	Thou.
a. United States (domestic). . . . .	□ □	□ □ □	□ □ □
b. All other countries. . . . .	□ □	□ □ □	□ □ □
c. <b>Total</b> (equals Question 4•2, line a). . . . .	□ □	□ □ □	□ □ □

**4•5** Not applicable to this form



**4•6 How much of the domestic R&D performed by your company that was funded by others reported in Question 4•4, line a, was for the following types of costs?**

	\$Bil.	Mil.	Thou.
a. Gross annual payroll—wages and salaries of R&D employees and officers excluding fringe benefits . . . . .	<input type="text"/>	<input type="text"/>	<input type="text"/>
b. Employer’s cost for fringe benefits . . . . .	<input type="text"/>	<input type="text"/>	<input type="text"/>
<b>Include:</b> <ul style="list-style-type: none"> <li>• Disability benefits</li> <li>• Life and medical insurance</li> <li>• Paid holidays, time off benefits, vacation, annual, sick, and maternity leave</li> <li>• Retirement benefits, pension, and social security contributions</li> </ul>			
c. All other costs . . . . .	<input type="text"/>	<input type="text"/>	<input type="text"/>
d. <b>Total</b> (equals Question 4-4, line a). . . . .	<input type="text"/>	<input type="text"/>	<input type="text"/>

**4•7 Not applicable to this form**

**4•8 How much of the domestic R&D performed by your company that was funded by others reported in Question 4•4, line a, was funded by each of the following?**

**Include**

- If your company is a subcontractor or subgrantee, report the original source of funding

**Example:** Company K is a car manufacturer and Company L is a glass manufacturer. In 2008, Company K is awarded a U.S. federal government contract to develop a new type of armored car. Company K performs some of the R&D itself and subcontracts the development of the car’s bulletproof glass windshield to Company L. Both Company K and Company L would include their R&D costs for this project in the calculation for line c of this question.

	\$Bil.	Mil.	Thou.
a. Other companies located <u>inside</u> the United States. . . . .	<input type="text"/>	<input type="text"/>	<input type="text"/>
b. Other companies located <u>outside</u> the United States. . . . .	<input type="text"/>	<input type="text"/>	<input type="text"/>
c. U.S. federal government agencies or laboratories. . . . .	<input type="text"/>	<input type="text"/>	<input type="text"/>
d. U.S. state government agencies or laboratories (50 United States and D.C.) . . . . .	<input type="text"/>	<input type="text"/>	<input type="text"/>
e. Foreign government agencies or laboratories . . . . .	<input type="text"/>	<input type="text"/>	<input type="text"/>
f. All other organizations <u>inside</u> the United States . . . . .	<input type="text"/>	<input type="text"/>	<input type="text"/>
g. All other organizations located <u>outside</u> the United States . . . . .	<input type="text"/>	<input type="text"/>	<input type="text"/>
h. <b>Total</b> (equals Question 4-4, line a). . . . .	<input type="text"/>	<input type="text"/>	<input type="text"/>

**4•9 Not applicable to this form**



**4•10** How much of the R&D funded by U.S. federal government agencies or laboratories reported in Question 4•8, line c, was funded by the following agencies?

	\$Bil.	Mil.	Thou.
a. Department of Defense . . . . .	<input type="text"/>	<input type="text"/>	<input type="text"/>
b. Department of Energy . . . . .	<input type="text"/>	<input type="text"/>	<input type="text"/>
c. National Aeronautics and Space Administration . . . . .	<input type="text"/>	<input type="text"/>	<input type="text"/>
d. National Institutes of Health . . . . .	<input type="text"/>	<input type="text"/>	<input type="text"/>
e. All other . . . . .	<input type="text"/>	<input type="text"/>	<input type="text"/>
f. <b>Total</b> (equals Question 4-8, line c). . . . .	<input type="text"/>	<input type="text"/>	<input type="text"/>

**4•11** Not applicable to this form

**4•12** a. In which state (including the District of Columbia) did your company perform the largest dollar amount of R&D funded or paid for by others in 2008?

State

b. How much of the following three funded R&D amounts was performed in the state reported above:  
 (1) 2008 R&D funded by the U.S. federal government reported in Question 4•8, line c  
 (2) 2008 R&D funded by all nonfederal sources  
 (3) 2008 total domestic R&D performed by your company that was funded by others reported in Question 4•4, line a

(1) Federal			(2) Nonfederal			(3) Total		
\$Bil.	Mil.	Thou.	\$Bil.	Mil.	Thou.	\$Bil.	Mil.	Thou.
<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>

**4•13** What are your company's worldwide projected costs in 2009 for R&D performed by your company that will be paid for by others?

\$Bil.	Mil.	Thou.
<input type="text"/>	<input type="text"/>	<input type="text"/>

**4•14** How much of the projected costs in 2009 for R&D performed by your company that will be paid for by others reported in Question 4•13 will be performed in the domestic United States?

\$Bil.	Mil.	Thou.
<input type="text"/>	<input type="text"/>	<input type="text"/>

**4•15** How much of the projected costs in 2009 for domestic R&D performed by your company that will be paid for by others reported in Question 4•14 will be paid for by U.S. federal government agencies?

\$Bil.	Mil.	Thou.
<input type="text"/>	<input type="text"/>	<input type="text"/>



**Characteristics of domestic R&D performed by your company that was funded by others**

**4•16** What percentage of the domestic R&D performed by your company that was funded by others reported in Question 4•4, line a, was for the following categories?

	Percent			
a. <u>Research</u> —planned, systematic pursuit of new knowledge or understanding . . .	<input type="text"/>	<input type="text"/>	<input type="text"/>	%
b. <u>Development</u> —systematic use of research and practical experience to produce new or significantly improved goods, services, or processes . . . . .	<input type="text"/>	<input type="text"/>	<input type="text"/>	%
c. <b>Total</b> . . . . .	<b>1</b>	<b>0</b>	<b>0</b>	%

**4•17** If you reported any research in Question 4•16, line a, what percentage of that research was for the following categories?

	Percent			
a. <u>Applied research</u> —activity aimed at solving a specific problem or meeting a specific commercial objective. . . . .	<input type="text"/>	<input type="text"/>	<input type="text"/>	%
b. <u>Basic research</u> —activity aimed at acquiring new knowledge or understanding without specific immediate commercial application or use. . . . .	<input type="text"/>	<input type="text"/>	<input type="text"/>	%
c. <b>Total</b> . . . . .	<b>1</b>	<b>0</b>	<b>0</b>	%

**4•18** – **4•19** Not applicable to this form

**4•20** What percentage of the domestic R&D performed by your company that was funded by others reported in Question 4•4, line a, had defense applications, including military applications and general security-related R&D?

	Percent			
	<input type="text"/>	<input type="text"/>	<input type="text"/>	%

**4•21** What percentage of the domestic R&D performed by your company that was funded by others reported in Question 4•4, line a, had health or medical applications?

	Percent			
	<input type="text"/>	<input type="text"/>	<input type="text"/>	%

**4•22** What percentage of the domestic R&D performed by your company that was funded by others reported in Question 4•4, line a, had energy applications, including energy production, distribution, storage, and efficiency (excluding exploration and prospecting)?

**Example:** Company L is a semiconductor manufacturer. Its products are not designed specifically for energy applications, but 10% of its domestic R&D performed by its company is focused on improving the energy efficiency of its products. Based on these facts, Company L reports "10%" for this question.

	Percent			
	<input type="text"/>	<input type="text"/>	<input type="text"/>	%

**4•23** What percentage of the domestic R&D performed by your company that was funded by others reported in Question 4•4, line a, had environmental protection applications, including pollution abatement R&D?

	Percent			
	<input type="text"/>	<input type="text"/>	<input type="text"/>	%

**4•24** What percentage of the domestic R&D performed by your company that was funded by others reported in Question 4•4, line a, had agricultural applications?

	Percent			
	<input type="text"/>	<input type="text"/>	<input type="text"/>	%

**4•25** – **4•30** Not applicable to this form



## R&D Human Resources

### What does this section cover?

This section requests information about your company's employees, focusing on those who worked on R&D activities either full-time or part-time.

### Who are R&D employees?

R&D employees include all employees providing direct support to either R&D paid for by your company **or** R&D paid for by others not owned by your company, such as R&D your company performs under a grant or contract. Include scientists and engineers working on R&D as well as R&D managers, technicians, administrators, clerical staff, and interns providing direct support to R&D.

R&D employees do not include staff providing indirect support, such as security guards and cafeteria workers. Leased employees, temps, and on-site consultants should not be counted as R&D employees.

### What is a full-time equivalent (FTE)?

A full-time equivalent takes into account employees who do not work full-time or for employees who do not work on R&D activities full-time. For example, an employee who works half-time would be counted as one employee on a headcount basis but as one-half (1/2) an FTE employee. Similarly, a full-time employee hired in June would be counted as one-half (1/2) an FTE employee. The number of FTEs and the headcount may differ for your company.

See definitions of worldwide and domestic on page 3.

## Worldwide employees

### 5•1 What was the total number of employees working at your company worldwide for the pay period that included March 12, 2008?

**Include:**

- For the domestic employees, all employees whose payroll was reported on IRS Form 941, Employer's Quarterly Federal Tax Return
- Employees in all activities during the pay period that includes March 12, 2008
- Employees on paid sick leave, paid holidays, and paid vacations during the pay period that included March 12, 2008

**Exclude:**

- Leased or temporary employees and on-site consultants

Number

     

### 5•2 How many of your company's total worldwide employees reported in Question 5•1 were R&D employees?

**Include:**

- R&D scientists, engineers, technicians, administrators, clerical staff, and interns
- Managers of R&D scientists and engineers

**Exclude:**

- Staff providing indirect support, such as security guards and cafeteria workers

Number

     

### 5•3 – 5•4 Not applicable to this form





**Domestic employees**

**5•5 How many of the worldwide employees reported in Question 5•1 were domestic employees—employed by your company’s domestic operations?**

**Include:**

- All employees whose payroll was reported on IRS Form 941, Employer’s Quarterly Federal Tax Return
- Employees on paid sick leave, paid holidays, and paid vacations during the pay period that included March 12, 2008

Number

<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>
----------------------	----------------------	----------------------	----------------------	----------------------	----------------------

**5•6 How many of your company’s total domestic employees reported in Question 5•5 were R&D employees?**

**Include:**

- R&D scientists, engineers, technicians, administrators, clerical staff, and interns
- Managers of R&D scientists and engineers

**Exclude:**

- Staff providing indirect support, such as security guards and cafeteria workers

Number

<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>
----------------------	----------------------	----------------------	----------------------	----------------------	----------------------

**5•7 How many of the domestic R&D employees reported in Question 5•6 were (1) female employees, (2) male employees, and (3) total employees, working in the R&D occupations listed below?**

	(1) Female Employees	(2) Male Employees	(3) Total Employees
a. R&D engineers and their managers . . . . .	<input type="text"/>	<input type="text"/>	<input type="text"/>
b. R&D scientists and their managers (not already reported in line a) . . . . .	<input type="text"/>	<input type="text"/>	<input type="text"/>
c. R&D technicians and technologists. . . . .	<input type="text"/>	<input type="text"/>	<input type="text"/>
d. R&D support staff (clerical and other). . . . .	<input type="text"/>	<input type="text"/>	<input type="text"/>
e. <b>Total domestic R&amp;D employees.</b> . . . . .	<input type="text"/>	<input type="text"/>	<input type="text"/>

Total equals Question 5.6



**5•8 Of the total domestic R&D scientists and engineers and their managers reported in Question 5•7, lines a and b, how many had the following as their highest educational degree?**

	Number
a. PhD (including EngD, ScD, excluding MD, JD, and EdD) . . . . .	□ □ □ □ □ □
b. Other college degrees . . . . .	□ □ □ □ □ □
c. All other . . . . .	□ □ □ □ □ □
d. <b>Total domestic R&amp;D scientists and engineers</b> (equals Question 5•7, lines a and b) . . . . .	□ □ □ □ □ □

**5•9 Not applicable to this form**

**Full-time equivalents (FTEs)**

**5•10 What was the number of domestic full-time equivalent (FTE) scientists and engineers engaged in R&D activities during 2008?**

**Full-time equivalents** account for R&D scientists and engineers who do not work full-time and R&D scientists and engineers who do not work on R&D activities full-time. For example, a scientist or engineer who works half-time would be counted as one employee on a headcount basis but as one-half (1/2) an FTE employee. Similarly, a full-time employee hired in June would be counted as one-half (1/2) an FTE employee. The number of FTEs and the headcount may differ for your company.

Number
□ □ □ □ □ □

**5•11 How many of the domestic R&D FTE scientists and engineers reported in Question 5•10 were engaged in R&D activities funded by U.S. federal government grants or contracts during 2008?**

Number
□ □ □ □ □ □



## Intellectual Property, Technology Transfer, and Innovation

### What does this section cover?

This section requests information about intellectual property, technology transfer activities, and actions taken to improve company performance, such as:

- Patents
- Patent licensing
- Protection of intellectual property
- Transfer of intellectual property
- Innovation activity

### Are responses to this survey confidential?

Yes. Your responses are completely confidential under Title 13, United States Code, and are seen only by persons sworn to uphold the confidentiality of Census Bureau information. Data provided will be used only to publish summary statistics that do not identify individual firms. Title 13 also provides that copies, of reports retained in your files are immune from legal process. In addition, reported data are exempt, from requests made under the Freedom of Information Act.

#### 6•1 Did your company introduce any of the following during the three-year period, 2006 to 2008?

- |  |                          |     |                          |    |
|--|--------------------------|-----|--------------------------|----|
| a. New or significantly improved goods (excluding the simple resale of new goods purchased from others and changes of a solely aesthetic nature) . . . . .           | <input type="checkbox"/> | Yes | <input type="checkbox"/> | No |
| b. New or significantly improved services. . . . .   | <input type="checkbox"/> | Yes | <input type="checkbox"/> | No |
| c. New or significantly improved methods of manufacturing or producing goods or services. . . . .  | <input type="checkbox"/> | Yes | <input type="checkbox"/> | No |
| d. New or significantly improved logistics, delivery, or distribution methods for your inputs, goods, or services. . . . .   | <input type="checkbox"/> | Yes | <input type="checkbox"/> | No |
| e. New or significantly improved support activities for your processes, such as maintenance systems or operations for purchasing, accounting, or computing . . . . . | <input type="checkbox"/> | Yes | <input type="checkbox"/> | No |



**Patents**

**6•2** How many patents did your company apply for in 2008 from the U.S. Patent and Trademark Office (USPTO)?

Number

**6•3** What percentage of the patent applications reported in Question 6•2 has your company applied for or plans to apply for in foreign jurisdictions?

Percent

%

**6•4** What percentage of the patent applications reported in Question 6•2 was for inventions that originated within your company's organized R&D activities?

Percent

%

**6•5** How many patents were issued to your company in 2008 by the USPTO?

Number

**6•6** What percentage of your company's inventions considered for patenting in 2008 resulted in patent applications?

Percent

%

**Patent licensing**

**6•7** In 2008, what was the amount of your company's revenue from patents licensed to others not owned by your company?

\$Bil.      Mil.      Thou.

**6•8** How many new agreements did your company enter into during 2008 to license patents to others not owned by your company?

Number



## Intellectual property transfer activities

### 6•9 Did your company perform the following activities in 2008?

- a. Transferred intellectual property to others not owned by your company through participation in technical assistance or "know how" agreements . . . . .  Yes  No
- b. Received intellectual property from others not owned by your company through participation in technical assistance or "know how" agreements . . . . .  Yes  No
- c. Transferred intellectual property to a spin-off or spin-out of your company . . . . .  Yes  No
- d. Received intellectual property from a parent company as part of a spin-off or spin-out . . . . .  Yes  No
- e. Acquired more than 50% ownership in another company for the primary purpose of acquiring their intellectual property . . . . .  Yes  No
- f. Acquired any financial interest in another company in order to gain access to their intellectual property . . . . .  Yes  No
- g. Participated in cross-licensing agreements—agreements in which two or more parties grant a license to each other for the use of the subject-matter claimed in one or more of the patents owned by each party . . . . .  Yes  No
- h. Allowed free use of patents or other intellectual property owned by your company (for example, allowing free use of software patents by the open source community) . . . . .  Yes  No
- i. Made use of open source patents or other freely available intellectual property not owned by your company. . . . .  Yes  No



**Intellectual property protection**

**6•10** During 2008, how important to your company were the following types of intellectual property protection?

	Very important	Somewhat important	Not important
a. Utility patents (patents for invention) . . . . .	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
b. Design patents (patents for appearance). . . . .	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
c. Trademarks. . . . .	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
d. Copyrights . . . . .	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
e. Trade secrets . . . . .	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
f. Mask works (copyright protection for semiconductor products)	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

**6•11** - **6•13** Not applicable to this form





## Reporting information

### 7•1 Is the information in this survey reported on a calendar year basis?

Yes → **Continue**

No → **Enter time period covered below:**

From  (MM)  (YYYY) | To  (MM)  (YYYY)

### 7•2 Approximately how long did it take to complete this survey?

Hours

 

### 7•3 Please list the names and titles of the persons who provided data for this survey.

Name

Title





**Remarks** (Please use the space below for any explanations that may help us understand your reported data.)

We estimate that it will take from .5 to 12 hours to complete this form, with 6.9 hours being the average. This includes time to read instructions, develop or assemble material, conduct tests, organize and review the information, and maintain and report the information. Send comments regarding this burden estimate or any other aspect of this collection of information, including suggestions for reducing this burden, to:

Paperwork Project 0607-0912,  
U.S. Census Bureau  
4600 Silver Hill Road  
AMSD-3K138  
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You may e-mail comments to [Paperwork@census.gov](mailto:Paperwork@census.gov); use "Paperwork Project 0607-0912" as the subject.

~ **Thank you for completing your 2008 Business R&D and Innovation Survey** ~

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