



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

FORM

BRDI-1A (01-07-2010) Draft 13

2009 BUSINESS R&D AND INNOVATION SURVEY

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

DUE DATE:**Report electronically:**

www.census.gov/econhelp/brdis

Username:

Password:

Reporting electronically allows you to save your work as you go through the form and could save you time.

Report by mail:

If you report online, please do **not** mail in the paper form.

U.S. CENSUS BUREAU
1201 East 10th Street
Jeffersonville, IN 47132-0001

For information or assistance:

- 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
DO NOT USE TO REPORT**

(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.

About the Business R&D and Innovation Survey

The Business Research and Development and Innovation Survey is a national survey that collects critical information about research and development (R&D) and innovation at businesses operating in the U.S. Policy makers and data users in industry and academia make use of this information for short and long-term planning.

Better information about R&D and innovation in the U.S. business sector will help leaders make better decisions to strengthen American competitiveness.

Thank You – Your Response is Important

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 ~



Table of Contents

Survey Overview and Table of Contents

The survey is divided into six sections. Each section asks questions about different aspects of R&D or innovation at your company. Due to the specialized nature of each section, it may be necessary to collaborate with colleagues in different departments to answer the questions. The sections cover the following topical areas:

Section 1: Company Information	p.4
Topics: company ownership, business(es), revenues, and innovation.	
Requires: knowledge of the company's sales and revenues.	
Section 2: Financial Schedule A	p.8
Topics: R&D expenses and capital expenditures for R&D.	
Requires: knowledge of your company's accounting concepts and access to financial records.	
Section 3: Financial Schedule B	p.12
Topics: costs for work that was funded, paid for, or reimbursed by others.	
Requires: knowledge of your company's financial records related to R&D activities.	
Section 4: Management and Strategy of R&D	p.18
Topics: characteristics of R&D reported in Sections 2 and 3.	
Requires: familiarity with the technical and strategic aspects of your company's R&D.	
Section 5: Human Resources	p.23
Topics: your company's employees, focusing on those who work on R&D activities.	
Requires: familiarity with human resources (HR) concepts and access to HR records.	
Section 6: Intellectual Property and Technology Transfer	p.26
Topics: intellectual property and technology transfer.	
Requires: knowledge of your company's general business strategy, patenting, and licensing.	

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. This includes a) activities aimed at acquiring new knowledge or understanding without specific immediate commercial application or use (basic research); b) activities aimed at solving a specific problem or meeting a specific commercial objective (applied research); and c) 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

Changes from the 2008 survey

Based on extensive conversations with many of the 2008 survey respondents, the 2009 survey has been improved. Both sections and questions have been modified to facilitate a better understanding of the concepts presented. For a list of specific changes, go to www.census.gov/econhelp/brdis.

Filing electronically

You may submit your survey online via a secure website. Online submission allows you to save the data on secure Census Bureau servers as you go, so you can save, exit, and resume later without losing any of your data. It also allows you to save a paper or electronic copy of your completed survey. To submit online, do the following:

- (1) Go to www.census.gov/econhelp/brdis
- (2) Click on Report Online
- (3) Follow the instructions to log in. Your username and password are located in the upper left corner of the front page.
- (4) Respond to this survey.



Electronic materials

Electronic versions of the questionnaire and related documents are available to print or share with others in your company via email. They can be found at www.census.gov/econhelp/brdis.

You can:

- Print and download copies of the questionnaire in PDF format
- Download Excel worksheets for each section
- Get question-by-question instructions, definitions, and examples that provide clarification
- Get answers to frequently asked questions, including how the data will be used

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.

Reporting for discontinued operations

For reporting purposes, treat discontinued operations as ongoing and include these data in your responses where applicable.

Reporting for worldwide, domestic, and foreign operations

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. The term "foreign" refers to all other locations outside the 50 United States and the District of Columbia.

Foreign-owned companies

If your company is foreign-owned, the reporting unit for the survey is your U.S.-based company, including all its majority-owned subsidiaries and divisions regardless of location. For reporting purposes, your foreign owner and any other foreign affiliates your company does not own should be treated the same as any other customer or business partner you do not own.

If you pay your foreign owner for R&D services, those costs should be included in your responses in Section 2 as "costs for purchased R&D services".

If your foreign owner pays or reimburses your company for R&D services, the costs for this R&D should be included in your responses in Section 3 as "costs funded, paid for, or reimbursed by others".

Report your survey data using U.S. generally accepted accounting principles (U.S. GAAP) as recognized by the Financial Accounting Standard Board (FASB). If your company follows International Financial Reporting Standards (IFRS), we request that you estimate any adjustments that would be required to conform to U.S. GAAP. Please note these estimates in the space for "Remarks" at the end of the survey.

Reporting period

Report data for the calendar year 2009, if possible, or for your company's fiscal year ending between April 2009 and March 2010.

Partial-year reporters

If your company was purchased by a U.S. company or ceased operations between April 1, 2009 and December 31, 2009, report for the period from January 1, 2009 to the date of purchase or the date your company ceased operations. If either of these events occurred before April 1, 2009, complete questions 1-1 through 1-3 on pages 4-5 and return this form to the Census Bureau. Disregard this instruction if your parent company instructs you to complete this survey.

Estimates are acceptable

Please report all items to the best of your ability.

To speak with a survey specialist, call 1-800-772-7851, option '5'.

Survey specialists are available 8 a.m. to 5 p.m. EST, M-F to help with any questions you may have.



SECTION 1

Company Information

1-1 Who is the survey coordinator?

The survey coordinator is the person at your company responsible for gathering all requested information, ensuring instructions are followed, and submitting the completed survey. The survey coordinator may not be able to personally complete the entire survey. The task of completing this survey will require collaboration with persons who have access to your company's R&D, accounting, human resources, and legal departments.

Name

Title

Telephone

Area code Number

Extension

Fax

Area code Number

E-mail address

1-2 Did another company other than a holding company own more than 50 percent of your company during 2009?

Yes → **Please provide the following information:**

Name of owner

EIN of owner (9 digits)

(MM)

(DD)

(YYYY)

Date owner purchased your company

Is the owner a U.S. company?

Yes → **Please follow the instructions on page 3 for "Partial-year reporters"**

No → **Please follow the instructions on page 3 for "Foreign-owned companies"**

No



1-3 Has your company ceased operations?

Yes → **Please provide the following information:**

(MM) (DD) (YYYY)

Date your company ceased operations

Please follow the instructions on page 3 for "Partial-year reporters"

No

1-4 Did your company own more than 50 percent of any company operations or subsidiaries outside the 50 United States and D.C. during 2009?

Yes → **Include data for these operations/subsidiaries in your survey responses**

No

1-5 Did your company have discontinued operations in 2009?

Yes → **Include data for these operations in your survey responses**

No

1-6 What business code from the list below or the codes on pages 29-31 accounts for the largest share of your company's 2009 R&D activities worldwide?

NOTE: These codes will be used to describe both business activities and R&D activities and may differ from industry codes used by other government surveys and reports.

Business code with most R&D activity

If no business codes are printed below, please write in the code from pages 29-31 that best applies to your company.

Business Code (see pages 29-31)	Description

1-7 What was the amount of your company's worldwide net sales and operating revenues during 2009?

Include:

- Sales and operating revenues from discontinued operations

Exclude:

- Non-operating income such as gains on disposal of assets

\$Bil. Mil. Thou.



1-8 How much of the amount reported in Question 1-7 was attributable to or originated from domestic operations?

Include:

- Operating revenues and sales to foreign customers, including foreign subsidiaries

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

1-9 How much of the 2009 net sales and operating revenue amounts was for the business code reported in Question 1-6:

- (1) Worldwide net sales and operating revenues reported in Question 1-7
 (2) Domestic net sales and operating revenues reported in Question 1-8

Business Code	(1) Worldwide net sales and operating revenues			(2) Domestic net sales and operating revenues		
	\$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"/>

Innovation

1-10 Did your company introduce any of the following during the three-year period, 2007 to 2009?

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

1-11 If you answered "yes" to either 1-10, line a, or 1-10, line b, were any of those new or significantly improved goods or services:

- a. New to one of your markets? Yes No
 Your company introduced new or significantly improved goods or services to one of your markets before your competitors? (It may have been available in other markets)
- b. Only new to your company? Yes No
 Your company introduced new or significantly improved goods or services that were already available from your competitors in your markets.



1-12 Using the definitions above, please give the percentage of your total sales in 2009 from:

- | | | | | |
|---|----------------------|----------------------|----------------------|----------|
| a. New or significantly improved goods and services introduced during 2007 to 2009 that were new to one of your markets? | <input type="text"/> | <input type="text"/> | <input type="text"/> | % |
| b. New or significantly improved goods and services introduced during 2007 to 2009 that were only new to your company? | <input type="text"/> | <input type="text"/> | <input type="text"/> | % |
| c. Goods and services that were unchanged or only marginally modified during 2007 to 2009 (include the resale of new goods or services purchased from other enterprises). | <input type="text"/> | <input type="text"/> | <input type="text"/> | % |
| d. Total sales in 2009 | 1 | 0 | 0 | % |

1-13 - 1-15 Not applicable to this form



SECTION 2

Financial Schedule A

Who should answer this section?

Persons familiar with accounting concepts and with access to financial records related to your company's R&D activities.

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.

2-1 What was the total worldwide R&D expense for your company in 2009?

If your company is publicly traded, this amount is equivalent to that disclosed on SEC Form 10-K as defined by FASB Statement No. 2, "Accounting for Research and Development Costs."

If your company is foreign-owned, refer to the instructions on page 3. Additional guidance, such as for **privately-owned companies**, is available online at www.census.gov/econhelp/brdis.

\$Bil.	Mil.	Thou.
<input style="width: 20px; height: 20px; border: 1px solid black;" type="text"/> <input style="width: 20px; height: 20px; border: 1px solid black;" type="text"/>	<input style="width: 20px; height: 20px; border: 1px solid black;" type="text"/> <input style="width: 20px; height: 20px; border: 1px solid black;" type="text"/> <input style="width: 20px; height: 20px; border: 1px solid black;" type="text"/>	<input style="width: 20px; height: 20px; border: 1px solid black;" type="text"/> <input style="width: 20px; height: 20px; border: 1px solid black;" type="text"/> <input style="width: 20px; height: 20px; border: 1px solid black;" type="text"/>

2-2 Does the amount reported in Question 2-1 include any of the following costs?

- | | | | | |
|---|--------------------------|-----|--------------------------|----|
| a. Collaborative research and development that was reimbursed by business partners, such as through cost-sharing agreements | <input type="checkbox"/> | Yes | <input type="checkbox"/> | No |
| b. R&D paid for by government or private foundation grants | <input type="checkbox"/> | Yes | <input type="checkbox"/> | No |
| c. Technical services not an integral part of an R&D project (such as product support provided by R&D employees) | <input type="checkbox"/> | Yes | <input type="checkbox"/> | No |
| d. Bid and proposal costs | <input type="checkbox"/> | Yes | <input type="checkbox"/> | No |
| e. Expense your company claimed resulting from the acquisition of another company with unfinished R&D projects (In-process R&D) | <input type="checkbox"/> | Yes | <input type="checkbox"/> | No |

2-3 If you answered "Yes" to any of the costs in Question 2-2, what was the amount of these costs that were included in your response to Question 2-1?

\$Bil.	Mil.	Thou.
<input style="width: 20px; height: 20px; border: 1px solid black;" type="text"/> <input style="width: 20px; height: 20px; border: 1px solid black;" type="text"/>	<input style="width: 20px; height: 20px; border: 1px solid black;" type="text"/> <input style="width: 20px; height: 20px; border: 1px solid black;" type="text"/> <input style="width: 20px; height: 20px; border: 1px solid black;" type="text"/>	<input style="width: 20px; height: 20px; border: 1px solid black;" type="text"/> <input style="width: 20px; height: 20px; border: 1px solid black;" type="text"/> <input style="width: 20px; height: 20px; border: 1px solid black;" type="text"/>

2-4 Subtract 2-3 from 2-1 and enter the result here. This is the total R&D paid for by your company in 2009.

\$Bil.	Mil.	Thou.
<input style="width: 20px; height: 20px; border: 1px solid black;" type="text"/> <input style="width: 20px; height: 20px; border: 1px solid black;" type="text"/>	<input style="width: 20px; height: 20px; border: 1px solid black;" type="text"/> <input style="width: 20px; height: 20px; border: 1px solid black;" type="text"/> <input style="width: 20px; height: 20px; border: 1px solid black;" type="text"/>	<input style="width: 20px; height: 20px; border: 1px solid black;" type="text"/> <input style="width: 20px; height: 20px; border: 1px solid black;" type="text"/> <input style="width: 20px; height: 20px; border: 1px solid black;" type="text"/>

2-5 Was the amount entered in Question 2-4 greater than zero?

- Yes → **Continue with Question 2-7**
- No → **Skip to Section 3 on page 12**

2-6 Not applicable to this form



2-7 Of the amount reported in Question 2-4, what were the costs for the business code reported in Question 1-6?

Business Code (see page 5)	\$Bil.	Mil.	Thou.
<input style="width: 20px; height: 20px;" type="text"/>	<input style="width: 20px; height: 20px;" type="text"/> <input style="width: 20px; height: 20px;" type="text"/>	<input style="width: 20px; height: 20px;" type="text"/>	<input style="width: 20px; height: 20px;" type="text"/>

2-8 Of the amount reported in Question 2-4, what costs were incurred by your company in the following countries?

	\$Bil.	Mil.	Thou.
a. Domestic U.S.	<input style="width: 20px; height: 20px;" type="text"/> <input style="width: 20px; height: 20px;" type="text"/>	<input style="width: 20px; height: 20px;" type="text"/>	<input style="width: 20px; height: 20px;" type="text"/>
b. All other countries (including Puerto Rico)	<input style="width: 20px; height: 20px;" type="text"/> <input style="width: 20px; height: 20px;" type="text"/>	<input style="width: 20px; height: 20px;" type="text"/>	<input style="width: 20px; height: 20px;" type="text"/>
c. Total (equals Question 2-4)	<input style="width: 20px; height: 20px;" type="text"/> <input style="width: 20px; height: 20px;" type="text"/>	<input style="width: 20px; height: 20px;" type="text"/>	<input style="width: 20px; height: 20px;" type="text"/>

2-9 Copy the amount from Question 2-8, line a. This is the total domestic R&D paid for by your company in 2009.

\$Bil.	Mil.	Thou.
<input style="width: 20px; height: 20px;" type="text"/> <input style="width: 20px; height: 20px;" type="text"/>	<input style="width: 20px; height: 20px;" type="text"/>	<input style="width: 20px; height: 20px;" type="text"/>

2-10 Copy the amount reported from Question 2-8, line b. This is the total foreign R&D paid for by your company in 2009.

\$Bil.	Mil.	Thou.
<input style="width: 20px; height: 20px;" type="text"/> <input style="width: 20px; height: 20px;" type="text"/>	<input style="width: 20px; height: 20px;" type="text"/>	<input style="width: 20px; height: 20px;" type="text"/>

2-11 How much of the (1) domestic, (2) foreign, and (3) total worldwide R&D paid for by your company in 2009 was for each of the following types of costs?

	(1) Domestic			(2) Foreign			(3) Total Worldwide			
	\$Bil.	Mil.	Thou.	\$Bil.	Mil.	Thou.	\$Bil.	Mil.	Thou.	
a. Salaries, wages and fringe benefits	<input style="width: 20px; height: 20px;" type="text"/> <input style="width: 20px; height: 20px;" type="text"/>	<input style="width: 20px; height: 20px;" type="text"/>	<input style="width: 20px; height: 20px;" type="text"/> <input style="width: 20px; height: 20px;" type="text"/>	<input style="width: 20px; height: 20px;" type="text"/> <input style="width: 20px; height: 20px;" type="text"/>	<input style="width: 20px; height: 20px;" type="text"/>	<input style="width: 20px; height: 20px;" type="text"/>	<input style="width: 20px; height: 20px;" type="text"/>	<input style="width: 20px; height: 20px;" type="text"/>	<input style="width: 20px; height: 20px;" type="text"/>	<input style="width: 20px; height: 20px;" type="text"/>
c. Temporary staffing including on-site consultants	<input style="width: 20px; height: 20px;" type="text"/> <input style="width: 20px; height: 20px;" type="text"/>	<input style="width: 20px; height: 20px;" type="text"/>	<input style="width: 20px; height: 20px;" type="text"/> <input style="width: 20px; height: 20px;" type="text"/>	<input style="width: 20px; height: 20px;" type="text"/> <input style="width: 20px; height: 20px;" type="text"/>	<input style="width: 20px; height: 20px;" type="text"/>	<input style="width: 20px; height: 20px;" type="text"/>	<input style="width: 20px; height: 20px;" type="text"/>	<input style="width: 20px; height: 20px;" type="text"/>	<input style="width: 20px; height: 20px;" type="text"/>	<input style="width: 20px; height: 20px;" type="text"/>
h. Payments to business partners for collaborative R&D	<input style="width: 20px; height: 20px;" type="text"/> <input style="width: 20px; height: 20px;" type="text"/>	<input style="width: 20px; height: 20px;" type="text"/>	<input style="width: 20px; height: 20px;" type="text"/> <input style="width: 20px; height: 20px;" type="text"/>	<input style="width: 20px; height: 20px;" type="text"/> <input style="width: 20px; height: 20px;" type="text"/>	<input style="width: 20px; height: 20px;" type="text"/>	<input style="width: 20px; height: 20px;" type="text"/>	<input style="width: 20px; height: 20px;" type="text"/>	<input style="width: 20px; height: 20px;" type="text"/>	<input style="width: 20px; height: 20px;" type="text"/>	
i. Purchased R&D services	<input style="width: 20px; height: 20px;" type="text"/> <input style="width: 20px; height: 20px;" type="text"/>	<input style="width: 20px; height: 20px;" type="text"/>	<input style="width: 20px; height: 20px;" type="text"/> <input style="width: 20px; height: 20px;" type="text"/>	<input style="width: 20px; height: 20px;" type="text"/> <input style="width: 20px; height: 20px;" type="text"/>	<input style="width: 20px; height: 20px;" type="text"/>	<input style="width: 20px; height: 20px;" type="text"/>	<input style="width: 20px; height: 20px;" type="text"/>	<input style="width: 20px; height: 20px;" type="text"/>	<input style="width: 20px; height: 20px;" type="text"/>	
l. All other costs	<input style="width: 20px; height: 20px;" type="text"/> <input style="width: 20px; height: 20px;" type="text"/>	<input style="width: 20px; height: 20px;" type="text"/>	<input style="width: 20px; height: 20px;" type="text"/> <input style="width: 20px; height: 20px;" type="text"/>	<input style="width: 20px; height: 20px;" type="text"/> <input style="width: 20px; height: 20px;" type="text"/>	<input style="width: 20px; height: 20px;" type="text"/>	<input style="width: 20px; height: 20px;" type="text"/>	<input style="width: 20px; height: 20px;" type="text"/>	<input style="width: 20px; height: 20px;" type="text"/>	<input style="width: 20px; height: 20px;" type="text"/>	
m. Total	<input style="width: 20px; height: 20px;" type="text"/> <input style="width: 20px; height: 20px;" type="text"/>	<input style="width: 20px; height: 20px;" type="text"/>	<input style="width: 20px; height: 20px;" type="text"/> <input style="width: 20px; height: 20px;" type="text"/>	<input style="width: 20px; height: 20px;" type="text"/> <input style="width: 20px; height: 20px;" type="text"/>	<input style="width: 20px; height: 20px;" type="text"/>	<input style="width: 20px; height: 20px;" type="text"/>	<input style="width: 20px; height: 20px;" type="text"/>	<input style="width: 20px; height: 20px;" type="text"/>	<input style="width: 20px; height: 20px;" type="text"/>	
	<i>Total equals Question 2-9</i>			<i>Total equals Question 2-10</i>			<i>Total equals Question 2-4</i>			



Projected R&D for 2010

2-24 What are your company's projected 2010 costs for (1) domestic, (2) foreign, and (3) total worldwide R&D paid for by your company?

NOTE: This question is the 2010 projection for what is reported in Question 2-11, line m.

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

2-25 How much of the amount reported in Question 2-24, column 1, is for projected purchased R&D services and projected payments to business partners for collaborative R&D?

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

Capital Expenditures

2-26 What was the amount of your company's capital expenditures in the domestic United States in 2009?

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

2-27 How much of the amount reported in Question 2-26 was for R&D operations?

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

2-28 - **2-31** Not applicable to this form



SECTION 3

Financial Schedule B

Who should answer this section?

Persons familiar with accounting concepts and with access to financial records related to your company's R&D activities.

What does this section cover?

This section requests financial information about your company's costs for work that was funded, paid for, or reimbursed by others. This section requests information about these costs at multiple levels of detail: for your worldwide consolidated enterprise, for units or parts of your company defined by geography (countries, states), and for parts of your company defined by business code.

Foreign-owned companies:

If your foreign owner pays or reimburses your company for R&D services, the costs for this R&D should be included in your responses in this section.

3-1 What were your company's total worldwide costs (both direct and indirect) in 2009 for the following that were funded, paid for, or reimbursed by others not owned by your company?

Exclude:

- Costs that were paid for by your company such as those reported in Question 2-4
- Payments in excess of the actual cost of the work performed (such as profit or fees)

	\$Bil.	Mil.	Thou.
a. Collaborative research and development that was reimbursed by business partners, such as through cost-sharing agreements	□ □	□ □ □	□ □ □
b. R&D paid for by government or private foundation grants	□ □	□ □ □	□ □ □
c. Defense R&D services provided to the government and/or government contractors	□ □	□ □ □	□ □ □
d. Medical nonclinical R&D services provided to others not owned by your company.	□ □	□ □ □	□ □ □
e. Phase I-III medical clinical trial services provided to others not owned by your company (include pass-through costs)	□ □	□ □ □	□ □ □
f. Non-defense custom software development and/or computer systems design for others not owned by your company.	□ □	□ □ □	□ □ □

Exclude:

- Software development that does not depend on a scientific or technological advance such as adding functionality to existing application programs, debugging systems, and adapting existing software

g. Developing, producing, and testing prototypes of customer's products prior to their introduction to the market (excluding defense-related prototyping reported in line c)	□ □	□ □ □	□ □ □
h. All other R&D services provided to others not owned by your company.	□ □	□ □ □	□ □ □
i. Total	□ □	□ □ □	□ □ □



3-2 Copy the amount from Question 3-1, line i. This is the total R&D paid for by others in 2009.

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

3-3 Was the amount entered in Question 3-2 greater than zero?

- Yes → Continue with Question 3-5
- No → Skip to Section 4 on page 18

R&D paid for by others

3-4 Not applicable to this form

3-5 Of the amount reported in Question 3-2, what costs were incurred by your company in the following countries?

	\$Bil.	Mil.	Thou.
a. Domestic U.S.	<input type="text"/>	<input type="text"/>	<input type="text"/>
b. All other countries (including Puerto Rico).	<input type="text"/>	<input type="text"/>	<input type="text"/>
c. Total (equals Question 3-2).	<input type="text"/>	<input type="text"/>	<input type="text"/>

3-6 Copy the amount from Question 3-5, line a. This is the total domestic R&D paid for by others in 2009.

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

3-7 Copy the amount from Question 3-5, line b. This is the total foreign R&D paid for by others in 2009.

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



3-8 How much of the (1) domestic, (2) foreign, and (3) total worldwide R&D paid for by others in 2009 was for each of the following types of costs?

	(1) Domestic			(2) Foreign			(3) Total Worldwide		
	\$Bil.	Mil.	Thou.	\$Bil.	Mil.	Thou.	\$Bil.	Mil.	Thou.
a. Salaries, wages and fringe benefits	<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"/>
c. Temporary staffing including on-site consultants	<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"/>
h. Payments to business partners for collaborative R&D	<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"/>
i. Purchased R&D services	<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"/>
l. All other costs	<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"/>
m. Total	<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"/>
	<i>Total equals Question 3-6</i>			<i>Total equals Question 3-7</i>			<i>Total equals Question 3-2</i>		

3-9 Add 3-8, lines h and i for each column, and enter the result here. This is R&D performed by others (e.g. subcontracted/passed-through R&D costs).

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

3-10 - 3-12 Not applicable to this form

Domestic R&D performed by your company that was paid for by others

3-13 Subtract 3-9, column 1, from 3-6 and enter the result here. This is the domestic R&D performed by your company that was paid for by others.

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

3-14 Not applicable to this form



3-15 How much of the amount reported in Question 3-13 was paid for by each of the following?

If your company is a subcontractor or subgrantee, report the original source of funds.

Example: Company Sub Inc. develops guidance systems for a large defense company as a subcontractor on a contract with the U.S. Dept. of Defense. Even though Sub Inc. is working directly for the defense company, it reports the cost of this development in line c because the Dept. of Defense was the original source of funds.

	\$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	<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. Total (equals Question 3-13).	<input type="text"/>	<input type="text"/>	<input type="text"/>

3-16 – 3-17 Not applicable to this form

3-18 Copy the amount from Question 3-15, line c. This is domestic R&D performed by your company that was paid for by the U.S. federal government.

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



3-19 How much of the amount reported in Question 3-18 was paid for 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. Total (equals Question 3-18).	<input type="text"/>	<input type="text"/>	<input type="text"/>

3-20 Subtract 3-18 from 3-13 and enter the result here. This is the domestic R&D performed by your company that was paid for by nonfederal sources.

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

3-21 In which state (including the District of Columbia) did your company perform the largest dollar amount of R&D paid for by others in 2009?

State

How much of the following three amounts was performed in the state reported above:

- (1) Domestic R&D paid for by the U.S. federal government reported in Question 3-18
- (2) Domestic R&D paid for by nonfederal sources reported in Question 3-20
- (3) Total domestic R&D performed by your company that was paid for by others reported in Question 3-13

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



Projected R&D paid for by others in 2010

3-22 What are your company's projected 2010 costs for R&D that will be paid for by others?

NOTE: This question is the 2010 projection for what is reported in Question 3-2.

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

3-23 How much of the projected costs in 2010 for R&D that will be paid for by others reported in Question 3-22 will be performed by your company in the United States?

NOTE: This question is the 2010 projection for what is reported in Question 3-13.

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

3-24 How much of the projected costs in 2010 for domestic R&D performed by your company that will be paid for by others reported in Question 3-23 will be paid for by the U.S. federal government?

NOTE: This question is the 2010 projection for what is reported in Question 3-18.

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

3-25 - **3-27** Not applicable to this form



SECTION 4

Management and Strategy of R&D

Who should answer this section?

Persons familiar with the technical, managerial, and strategic aspects of your company's R&D.

What does this section cover?

This section requests information about the characteristics of the R&D reported in Sections 2 and 3. This section requests information about your company's total worldwide R&D and the R&D your company performs in the domestic United States.

4-1 Copy the amount from Question 2-4. This is the total R&D paid for by your company in 2009.

\$Bil. Mil. Thou.

--	--	--	--	--

4-2 Was the amount entered in Question 4-1 greater than zero?

Yes → Continue with Question 4-6

No → Skip to Section 5 on page 23

4-3 – **4-5** Not applicable to this form

4-6 What percentage of the amount reported in Question 4-1 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: In 2009 Company B used a portion of its R&D to explore the potential use of a new heat-conducting material in its cookware products. Because this technology had not been used previously in the cookware industry, Company B should include that R&D in this question.

				%
--	--	--	--	---

4-7 What percentage of the amount reported in Question 4-1 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.

				%
--	--	--	--	---

4-8 – **4-14** Not applicable to this form

Characteristics of domestic R&D paid for and performed by your company

4-15 Copy the amount from Question 2-16. This is the domestic R&D paid for and performed by your company in 2009.

\$Bil. Mil. Thou.

--	--	--	--	--



4-16 How much of the amount reported in Question 4-15 was for the following categories?

	\$Bil.	Mil.	Thou.
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. Total (equals Question 4-15)	<input type="text"/>	<input type="text"/>	<input type="text"/>

4-17 If you reported any research in Question 4-16, line a, how much of that research was for the following categories?

	\$Bil.	Mil.	Thou.
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. Total (equals Question 4-16, line a)	<input type="text"/>	<input type="text"/>	<input type="text"/>

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

NOTE: You may report the same R&D in multiple areas for Questions 4-18 to 4-22.

4-18 What percentage of the amount reported in Question 4-15 had defense applications, including military applications and general security-related R&D? %

4-19 What percentage of the amount reported in Question 4-15 had health or medical applications? %

4-20 What percentage of the amount reported in Question 4-15 had energy applications, including energy production, distribution, storage, and efficiency (excluding exploration and prospecting)? %

Example: Company B is a semiconductor manufacturer. Its products are not designed specifically for energy applications. In 2009, 10% of the domestic R&D performed by the company was focused on improving the energy efficiency of its products. Based on this, Company B reports "10%" for this question.

4-21 What percentage of the amount reported in Question 4-15 had environmental protection applications, including pollution abatement R&D? %

4-22 What percentage of the amount reported in Question 4-15 had agricultural applications? %



Technology focus of domestic R&D paid for and performed by your company

NOTE: You may report the same R&D in multiple areas for Questions 4-23 to 4-31.

4-23 What percentage of the amount reported in Question 4-15 was for software products? %

4-24 What percentage of the amount reported in Question 4-15 was for software embedded in other projects or products? %

4-25 – **4-28** Not applicable to this form

4-29 What percentage of the amount reported in Question 4-15 was for biotechnology—the use of cellular and bio-molecular processes to solve problems or make useful products? %

4-30 What percentage of the amount reported in Question 4-15 was for nanotechnology—the science and technology involving work at the nanometer scale? %

4-31 What percentage of the amount reported in Question 4-15 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? %

4-32 – **4-36** Not applicable to this form

Activities with academia

4-37 Did your company perform any of the following activities with universities, students, or academic faculty in 2009?

- 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. Had scientists or engineers from your company who 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

4-38 Were the following statements true for your company in 2009?

- a. This company has been in business for less than 5 years as of December 31, 2009. Yes No
- b. This company's primary mission in 2009 was to commercialize science/technology discovered or developed by academic researchers. Yes No
- c. This company received venture capital funding in 2009 Yes No

Domestic R&D performed by your company that was paid for by others

4-39 Copy the amount from Question 3-9. This is the domestic R&D performed by your company that was paid for by others.

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

4-40 Was the amount entered in Question 4-39 greater than zero?

- Yes → **Continue with Question 4-41**
- No → **Skip to Section 5 on page 23**

4-41 How much of the amount reported in Question 4-39 was for the following categories?

	\$Bil.	Mil.	Thou.
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. Total (equals Question 4-39)	<input type="text"/>	<input type="text"/>	<input type="text"/>

4-42 If you reported any research in Question 4-41, line a, how much of that research was for the following categories?

	\$Bil.	Mil.	Thou.
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. Total (equals Question 4-41, line a)	<input type="text"/>	<input type="text"/>	<input type="text"/>

4-43 - 4-44 Not applicable to this form



NOTE: You may report the same R&D in multiple areas for Questions 4-45 to 4-49.

4-45 What percentage of the amount reported in Question 4-39 had defense applications, including military applications and general security-related R&D?

 %

4-46 What percentage of the amount reported in Question 4-39 had health or medical applications?

 %

4-47 What percentage of the amount reported in Question 4-39 had energy applications, including energy production, distribution, storage, and efficiency (excluding exploration and prospecting)?

 %

4-48 What percentage of the amount reported in Question 4-39 had environmental protection applications, including pollution abatement R&D?

 %

4-49 What percentage of the amount reported in Question 4-39 had agricultural applications?

 %

4-50 - **4-57** Not applicable to this form



SECTION 5

Human Resources

Who should answer this section?

Persons familiar with human resources concepts and with access to records related to your company's employees.

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.

5-1 What was the total number of worldwide employees working at your company for the pay period that included March 12, 2009?

Include:

- Full and part-time employees

Exclude:

- Leased or temporary employees and on-site consultants

Number

--	--	--	--	--	--

5-2 How many of the employees reported in Question 5-1 were R&D employees?

Include:

- All employees who work on R&D or who provide direct support to R&D
- Both employees working on R&D that is paid for by your company as well as employees working on R&D that is paid for by others

Exclude:

- Employees who provide indirect support to R&D, such as corporate personnel security guards, and cafeteria workers

Number

--	--	--	--	--	--

5-3 - 5-5 Not applicable to this form

Domestic R&D employees

5-6 How many of the employees reported in Question 5-1 were employees of your company's domestic operations?

Include:

- All employees whose payroll was reported on IRS Form 941, Employer's Quarterly Federal Tax Return
- Both employees working on R&D that is paid for by your company as well as employees working on R&D that is paid for by others

Number

--	--	--	--	--	--

5-7 How many of the employees reported in Question 5-6 were R&D employees?

Include:

- All employees who work on R&D or who provide direct support to R&D
- Both employees working on R&D that is paid for by your company as well as employees working on R&D that is paid for by others

Exclude:

- Employees who provide indirect support to R&D, such as corporate personnel or security guards, and cafeteria workers

Number

--	--	--	--	--	--



5-8 How many of the employees reported in Question 5-7 were (1) female employees, (2) male employees, and (3) total employees, working in the occupations listed below?

	(1) Female Employees	(2) Male Employees	(3) Total Employees
a. Engineers and their managers	<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"/> <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"/>
b. Scientists and their managers (not already reported in line a)	<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"/> <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"/>
c. Technicians and technologists.	<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"/> <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"/>
d. Support staff (clerical and other).	<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"/> <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"/>
e. Total domestic R&D employees.	<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"/> <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"/>

Total equals Question 5-7

5-9 Add lines a and b from Question 5-8, column 3. This is the number of domestic R&D scientists and engineers and their managers in 2009.

Number

5-10 How many of the employees reported in Question 5-9 had the following level of education?

Note: Report using the highest degree attained by each employee.

	Number
a. PhD (excluding MD, JD, and EdD)	<input type="text"/> <input type="text"/> <input type="text"/> <input type="text"/> <input type="text"/> <input type="text"/>
b. Other college degrees	<input type="text"/> <input type="text"/> <input type="text"/> <input type="text"/> <input type="text"/> <input type="text"/>
c. All other.	<input type="text"/> <input type="text"/> <input type="text"/> <input type="text"/> <input type="text"/> <input type="text"/>
d. Total.	<input type="text"/> <input type="text"/> <input type="text"/> <input type="text"/> <input type="text"/> <input type="text"/>

Total equals Question 5-9

5-11 Not applicable to this form



Full-time equivalents (FTEs)

5-12 What was the number of domestic full-time equivalent (FTE) scientists and engineers engaged in R&D activities for the pay period that included March 12, 2009?

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 ($\frac{1}{2}$) an FTE employee. Similarly, a full-time employee who devotes 25% of their time to R&D would be counted as one quarter ($\frac{1}{4}$) an R&D FTE employee. The number of FTEs and the headcount may differ for your company.

Number

5-13 How many FTEs reported in question 5-12 were engaged in R&D activities funded by U.S. federal government grants or contracts for the pay period that included March 12, 2009?

Number



SECTION 6

Intellectual Property and Technology Transfer

Who should answer this section?

Persons with an understanding of your company's general business strategy and knowledge of its patenting, licensing, and other intellectual property related activities.

What does this section cover?

This section requests information about intellectual property and technology transfer activities such as:

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

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 companies. 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.

Patents

6-1 How many patents did your company apply for in 2009 from the U.S. Patent and Trademark Office (USPTO)?

Number

6-2 What percentage of the patent applications reported in Question 6-1 has your company applied for or plans to apply for in foreign jurisdictions?

 %

6-3 What percentage of the patent applications reported in Question 6-1 was for inventions that originated within your company's organized R&D activities?

 %

6-4 How many patents were issued to your company in 2009 by the USPTO?

Number

6-5 What percentage of your company's inventions considered for patenting in 2009 resulted in patent applications?

 %


Patent licensing

6-6 What was the amount of your company's patent licensing revenue in 2009?

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

6-7 How many new agreements did your company enter into during 2009 to license patents to others not owned by your company?

Number
<input type="text"/>

Intellectual property transfer activities

6-8 Did your company perform the following activities in 2009?

- a. Transferred intellectual property (IP) to others not owned by your company through participation in technical assistance or "know how" agreements Yes No
- b. Received IP from others not owned by your company through participation in technical assistance or "know how" agreements Yes No
- c. Transferred IP to a spin-off or spin-out of your company. Yes No
- d. Received IP 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 IP. Yes No
- f. Acquired any financial interest in another company in order to gain access to their IP 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 IP 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 IP not owned by your company. Yes No



Intellectual property protection

6-9 During 2009, 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"/>

6-10 - 6-12 Not applicable to this form

Reporting information

7-1 Is the information in this section reported for the 2009 calendar year?

Yes

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

From To

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

Hours : Minutes

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

Name	Title
<input type="text"/>	<input type="text"/>



Business codes

(used in Sections 1, 2, and 3)

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
 32602 Inflatable plastic boats manufacturing
 32603 Inflatable rubber boats manufacturing
 33692 Military armored vehicle, tank, and tank components manufacturing
 33452 Search, detection, navigation, guidance, aeronautical, and nautical system and instruments manufacturing
 33661 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
 33332 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
 33331 Photographic and photocopying equipment manufacturing
 33651 Railroad rolling stock manufacturing
 33661 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
 54162 Executive search consulting services
 54110 Legal services
 54161 Management, scientific, and technical consulting services (except executive search consulting services)

56191 Office administrative, facilities, employment, and other support services
 32300 Printing and related support activities
 56290 Remediation and other waste management services
 54173 Research & development services in biotechnology
 54174 Research & development services in physical, engineering, and life sciences (except biotechnology)
 54172 Research & development services in social sciences and humanities
 54140 Specialized design services
 56150 Travel arrangement and reservation services
 56210 Waste collection, treatment, and disposal

Consumer Goods & Services

71300 Amusement, gambling, and recreation industries
 31501 Apparel manufacturing (except embroidery contractors)
 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
 31502 Embroidery contractors
 44500 Food and beverage stores
 31100 Food manufacturing
 72200 Food services and drinking places
 33700 Furniture and related products manufacturing
 45200 General merchandise stores
 32602 Inflatable plastic boats manufacturing
 32603 Inflatable rubber boats manufacturing
 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
 33331 Photographic and photocopying equipment manufacturing
 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)
 31301 Textile mill products
 31302 Textile product mills
 31220 Tobacco manufacturing
 56150 Travel arrangement and reservation services
 72100 Traveler accommodation service



Energy	
21210	Coal mining
22110	Electric power generation, transmission, and distribution
21100	Oil and gas extraction
33314	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
48620	Pipeline transportation of natural gas
21320	Support activities for oil and gas operations
21310	Support activities for solid mineral operations
Financials	
52230	Activities related to credit intermediation
52420	Agencies, brokerages, and other insurance related activities
52210	Depository credit intermediation
52501	Funds, trusts, and other financial vehicles (except REITs leasing real estate properties or underwriting or investing in mortgages)
52410	Insurance carriers
52100	Monetary authorities-central bank
52220	Nondepository credit intermediation
53100	Real estate
52502	REIT, hybrid or equity, primarily leasing residential buildings and dwellings
52503	REIT, hybrid or equity, primarily leasing nonresidential buildings
52504	REIT, hybrid or equity, primarily leasing miniwarehouses or self-storage units
52505	REIT, hybrid or equity, primarily leasing other real estate property (Not listed elsewhere)
52506	REIT, hybrid or equity, primarily underwriting or investing in mortgages
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
32542	In-vitro diagnostic substances manufacturing
33912	Laboratory distilling equipment manufacturing
33913	Laboratory freezer manufacturing
33914	Laboratory furnaces and ovens manufacturing
33915	Laboratory scales and balances manufacturing
33916	Laboratory centrifuges
33917	Laboratory furniture
33918	Laboratory apparatus (Not listed elsewhere)
62150	Medical and diagnostic laboratories
33911	Medical equipment and supplies manufacturing (except laboratory apparatus)
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
54173	Research & development services in biotechnology
54174	Research & development services in physical, engineering, and life sciences (except biotechnology)
Information Technology - Goods and Services	
51812	Broadband internet service providers (e.g., cable, DSL)
33429	Communication equipment manufacturing, except broadcasting, wireless, and telephone apparatus
33424	Communications signal testing and evaluation equipment manufacturing
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 listed elsewhere)
51813	Internet service providers using client-supplied telecommunications connections (e.g., dial-up, ISPs)
51600	Internet publishing and broadcasting
33460	Manufacturing and reproducing magnetic and optical media manufacturing
33459	Measuring and control instruments manufacturing (Not listed elsewhere)
33423	Radio and television broadcasting and wireless communications equipment manufacturing (except signal testing and evaluation 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 publishers (except Internet)
33421	Telephone apparatus manufacturing
51811	Web search portals
Materials	
32510	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
32601	Plastics and rubber products manufacturing (except inflatable boats and rubber tubing for mechanical use)
32520	Resin, synthetic rubber, and artificial synthetic fibers and filaments manufacturing
32604	Rubber tubing for mechanical use manufacturing
32591	Soap, cleaning compound, and toilet preparations manufacturing
21320	Support activities for oil and gas operations



21310 Support activities for solid mineral operations
 32100 Wood products manufacturing

Telecommunication Services

51750 Cable and other program distribution
 51740 Satellite telecommunications
 51730 Telecommunications resellers
 51790 Telecommunications services (Not listed elsewhere)
 51710 Wired telecommunications carriers (except cable and broadband internet)
 51720 Wireless telecommunications carriers (except satellite)

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

81390 Business, professional, labor, political, and similar organizations
 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)
 81310 Religious, grantmaking, social advocacy, civic, and social organizations
 45990 Retail trade stores, including gasoline stations (not listed elsewhere)
 42500 Wholesale electronic markets and agents and brokers



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
Washington, D.C. 20233

You may e-mail comments to Paperwork@census.gov; use "Paperwork Project 0607-0912" as the subject.

~ **Thank you for completing your 2009 Business R&D and Innovation Survey** ~

PLEASE MAKE A COPY OF THIS FORM FOR YOUR RECORDS AND RETURN THE ORIGINAL

