### **Attachment A**



U.S. DEPARTMENT OF COMMERCE U.S. CENSUS BUREAU

FORM

BRD-1 (07-03-2024)

# 2024 BUSINESS ENTERPRISE RESEARCH AND DEVELOPMENT SURVEY

OMB No. 0607-0912: Approval Expires 12/31/2024

ı			
	DUE DATE:		
	Need help or have questions about filling		
	out the form?		
	Visit https://www.census.gov/ programs-surveys/brds/ information.html		
	Here, you can access		
	question-by-question detailed instructions and learn more about the survey.		
	Call toll-free 1-800-416-3262,		
	between 8:00 a.m. and 8:00 p.m. Eastern time,		
	Monday through Friday.	(Places correct any arrars in this mail	ing addragal

# Please file your form electronically at: https://portal.census.gov

**Authentication Code:** 

**YOUR RESPONSE IS REQUIRED BY LAW.** Title 13, United States Code, Sections 8(b), 131, and 182, and Title 42, United States Code, Sections 1861-76 (National Science Foundation Act of 1950, as amended), and Section 505 within the America COMPETES Reauthorization Act of 2010 authorize this collection. Sections 224 and 225 of Title 13 require your response. The U.S. Census Bureau is required by Section 9 of Title 13 to keep your information **CONFIDENTIAL** and can use your responses only to produce statistics. The Census Bureau is not permitted to publicly release your responses in a way that could identify your business, organization, or institution. Per the Federal Cybersecurity Enhancement Act of 2015, your data are protected from cybersecurity risks through screening of the systems that transmit your data.

**THIS COLLECTION HAS BEEN APPROVED** by the Office of Management and Budget (OMB). The eight-digit OMB approval number is 0607-0912 and appears at the upper right corner of this page. Without this approval, we could not conduct this survey.

We estimate this survey will take an average of 2 hours and 37 minutes to complete. More information about this estimate and an email address where you may write with comments is on the back of this form.

**THANK YOU – YOUR RESPONSE IS IMPORTANT.** Accurate and timely statistical information could not be produced without your cooperation and goodwill. Thank you.

~ This survey is jointly conducted by the U.S. Census Bureau and the National Center for Science and Engineering Statistics (NCSES) within the National Science Foundation. ~

### **Table of Contents**

This survey is divided into seven sections based on subject matter. You may need to collaborate with colleagues in different departments to complete all sections. The following table of contents summarizes the subject matter covered by each section and what is required to complete them.

## 

Topics include company ownership, business activities, revenues, and employees.

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Topics include geographic location and accounting details related to R&D expenses.

### Section 3: Costs Paid For by Others ......p.19

Topics include customer-sponsored work and activities funded through grants and/or reimbursements.

### 

Topics include stock of capital, both tangible and intangible, your company owned and acquired.

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Topics include characteristics of R&D reported in Sections 2 and 3. Requires familiarity with the technical and strategic aspects of your company's R&D.

### 

Topics include your company's employees, focusing on those who work on R&D activities.

### 

Topics include patenting, licensing, and other technology transfer activities.

### 

Topics include state and federal tax credits applied for by your company.

### Changes from the 2023 survey

Questions related to detail of R&D performed by others, as well as activities with academia were removed from Section 2. Questions related to industry of business and specific federal agency funding R&D were removed from Section 3. Questions related to details of assets owned or leased were removed from Section 4. Questions that asked for percentage of R&D with specific application areas were removed from Section 5. Questions related to Intellectual Property and Technology Transfer were reintroduced to Section 7.For a list of specific changes go to <a href="https://www.census.gov/programs-surveys/brds/about/fag.html">https://www.census.gov/programs-surveys/brds/about/fag.html</a>.

#### **Electronic materials**

Electronic versions of the questionnaire and related information are available at <a href="https://www.census.gov/programs-surveys/brds/information.html">https://www.census.gov/programs-surveys/brds/information.html</a>.

Available materials include:

- PDF copy of the questionnaire
- Excel worksheets for each section that can be completed and uploaded
- Question-by-guestion instructions, definitions, and examples that provide clarification
- Answers to frequently asked questions, including how the data will be used

### Filing electronically

Filing electronically via our secure website allows you to save the data as you go, so you can exit and resume later where you left off. It also allows you to save an electronic copy of your completed survey. To submit online, follow the instructions at

https://www.census.gov/programs-surveys/brds/information.html.

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

Research and development (R&D) comprise creative and systematic work undertaken in order to increase the stock of knowledge and to devise new applications of available knowledge. This includes: a) activities aimed at acquiring new knowledge or understanding without specific immediate commercial applications or uses (basic research); b) activities aimed at solving a specific problem or meeting a specific commercial objective (applied research); and c) systematic work, drawing on research and practical experience and resulting in additional knowledge, which is directed to producing new products or processes or to improving existing products or processes (development). R&D includes both direct costs such as salaries of researchers as well as administrative and overhead costs clearly related to the company's R&D.

The term R&D 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

### Does R&D include development of software and Internet applications?

Research and development activity in software and Internet applications refers **only** to activities with an element of uncertainty and that are intended to close knowledge gaps and meet scientific and technological needs. Report in this survey all software R&D as defined here regardless of the eventual user (internal or external).

R&D activity in software INCLUDES:

- Software development or improvement activities that expand scientific or technological knowledge
- Construction of new theories and algorithms in the field of computer science

R&D activity in software EXCLUDES:

- Software development that does not depend on a scientific or technological advance, such as
  - supporting or adapting existing systems
  - adding functionality to existing application programs, and
  - routine debugging of existing systems and software
- Creation of new software based on known methods and applications
- Conversion or translation of existing software and software languages
- Adaptation of a product to a specific client, unless knowledge that significantly improved the base program was added in that process

### Reporting unit

The reporting unit is your company, including all majority-owned subsidiaries regardless of location. Majority ownership is defined as more than 50 percent ownership. For reporting purposes, exclude data for any companies that are minority-owned by your company. If your company is majority-owned by a company located outside the 50 United States and D.C. (foreign parent), the reporting unit for the survey is only your U.S.-located company, including all its majority-owned subsidiaries regardless of location. For reporting purposes, your foreign parent and any foreign affiliates your company does not own should be treated the same as any business partner, customer, or supplier you do not own.

### Reporting period

Report data for the calendar year 2023, if possible, or for your company's fiscal year ending between April 2023 and March 2025.

#### **Estimates are acceptable**

Please report all items to the best of your ability.

### To speak with a survey specialist, call 1-800-416-3262.

Survey specialists are available Monday through Friday, from 8:00 a.m. to 8:00 p.m. Eastern time, to help with any questions you may have.

	Company Information
1-1	Has your company ceased operations?
	☐ Yes → Please provide the following information:
	(MM) (DD) (YYYY)
	Date your company ceased operations
	REPORTING INSTRUCTIONS:  If your company ceased operations on or after April 1, 2023, report only for the period January 1, 2023 to the date your company ceased operations. If your company ceased operations before April 1, 2023, complete Question 1-7 and return this form to the Census Bureau - you are not required to complete the rest of this survey.
	□ No
1-2	Did another U.S. company own more than 50% of the voting interest in your
	company during 2023?
	Yes → Please provide the following information: Name of parent company
	EIN of owner (9 digits)  Date parent company purchased your company
	Is the parent company a holding company or a private equity firm [shell company, investment company, and the like]?
	□ Yes
	□ No
	<b>REPORTING INSTRUCTIONS FOR U.SOWNED COMPANIES:</b> If your company was purchased by a holding company or private equity firm, you are required to complete the rest of this survey (regardless of purchase date).
	Otherwise, if your company was purchased on or after April 1, 2023, report only for the period January 1, 2023 to the date of purchase. If your company was purchased before April 1, 2023, then complete Question 1-7 and return this form to the Census Bureau - you are not required to complete the rest of this survey.
	□ No
1-3	Will the information in this survey be reported for the 2023 calendar year?
	□ Yes
	□ No → Enter time period covered below:
	(MM) (YYYY) (MM) (YYYY)
	From to

1-4	Was	your company a majority-owned subsidiary of a foreign company in 2023?
		Yes → Please provide the following information:
		Name of parent company
		<b>REPORTING INSTRUCTIONS FOR FOREIGN-OWNED COMPANIES:</b> If your company is owned by a foreign parent, the reporting unit for the survey is your U.Slocated company, including all your majority-owned subsidiaries and divisions regardless of location. For reporting purposes, your foreign parent and any foreign affiliates your company does not own should be treated the same as any business partner, customer, or supplier you do not own.
		If your company pays a foreign parent 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 parent 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.
		No
1-5	Did y	our company own more than 50 percent of any company operations bsidiaries outside the 50 United States and D.C. during 2023?
		Yes → Include data for these operations/subsidiaries in your survey responses No
1-6	Did y	our company have discontinued operations in 2023?
		Yes → Include data for these operations in your survey responses  No
1-7	Who	is the survey coordinator?
	infor surv to re	survey coordinator is the person at your company responsible for gathering all requested mation, ensuring instructions are followed, and submitting the completed survey. The ey coordinator may not be able to personally complete the entire survey and may need quest information from other knowledgeable resources concerning your company's R&D, unting, human resources, and legal matters.
	Name	
	Title	Telephone  Area code Number Extension
		Area code Natificei
	E-mai	address

1-8	What was the total number period that included March		s employees worldw	ide for the pay
	<ul><li>Include:</li><li>Full- and part-time employees</li></ul>			Number
	Exclude:  • Leased or temporary employee	es and consultants		
1-9	How many of the employees your company's domestic o			yees of
	<b>Domestic operations employee</b> first quarter filing of IRS Form 941			ported on the
		(1) Domestic operations	(2) Foreign operations	(3) Total employees
	Employees			Total equals Question 1-8
	the number reported in Question ensus Bureau - you are not requin	n 1-9, column 1, was red to complete the	fewer than 10, return rest of this survey.	·
1-10		ny's primary busi	ness activity during	2023.
1-11	List all applicable business of worldwide in 2023.	codes in which yo	ur company operate	d
	<b>NOTE:</b> These codes will be us may differ from industry codes you search for appropriate bus https://www.census.gov/progra	s used by other gov siness codes are ava	ernment surveys and r ailable at	reports. Tools to help
	Business code (see pages 53-54)		Description	

1-12	What was the amount	t of your co	omnany'e w	vidwida sal	ae and rave	muoe	
1912	for the year 2023?	. Or your co	onipany s <u>we</u>	<u>Jiiuwiue sai</u>	\$Bil.	Mil.	Thou.
	<ul><li>Include:</li><li>Sales and operating rev</li></ul>	vanuaa fram	diagontinued o	aarationa			
	Sales and operating re-	venues ironi	uiscontinueu o	perations –			
_							
1-13	How much of the amo from domestic operat		ed in Questi	on 1-12 was	s attributak	ole to or or	iginated
	<ul><li>Include:</li><li>Sales and operating reincluding foreign subsite</li></ul>		eign customers	i,			
	Example: U.S. Manufactu				\$Bil.	Mil.	Thou.
	customers around the wo operations are located ins of its sales in this questio	ide the Unite					
				-			
1-14	How much of the 2023			evenue amo	unts was fo	or each bu	siness
	code listed or amende (1) Worldwide sales a			reported ir	Question	1-12	
	(2) Sales and operati	ng revenue	s from dom	estic operat	ions report	ed in Ques	stion 1-13
			ldwide sales an			operating re	
	Business code	\$Bil.	Mil.	Thou.	\$Bil.	Mil.	Thou.
	a						
	b						
	c.						
	d						
	e						
	f.						
	g						
	h						
	i. Less eliminations the sales and revenues that are						
	eliminated in order to consolidate the business codes						
	j. <b>Total</b>						
		Total e	quals Question	1-12	Total ed	quals Questic	n 1-13

# **R&D Paid For by Your Company**

#### Who should answer this section?

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

### What does this section cover?

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.

states,	specific location), and for parts of your company defined by bus	iness code.		
2-1	What was the worldwide R&D expense (both direct and i company in 2023?	ndirect) for	your	
	<b>If your company is publicly traded,</b> this amount is equivalent to that disclosed on SEC Form 10-K as defined in FASB ASC Topic 730, Research and Development.	\$Bil.	Mil.	Thou.
	If your company is foreign-owned, refer to the instructions on page 5. Additional guidance, such as for privately owned companies, is available online at https://www.census.gov/programs-surveys/brds/information/brdshelp.html#q2-1			
	<b>NOTE:</b> Report your company's R&D expense even if the amount is not considered material for your company's financial statements.			
2-2	Does the amount reported in Question 2-1 include any of	the follow	ing costs?	
	a. Collaborative R&D that was reimbursed by business partner such as through cost-sharing agreements		☐ Yes	□ No
	b. R&D paid for by grants (government or private foundations)		Yes	□ No
	c. R&D paid for by customers (customer-sponsored R&D)		Yes	□ No
	d. Technical services not an integral part of an R&D project (su product support provided by R&D employees)		Yes	□ No
	e. Bid and proposal costs		Yes	□ No
	f. Expenses for the acquisition of in-process R&D (IPR&D) or t impairment of intangible IPR&D assets		Yes	□ No
	g. Phase IV clinical trials		□ Yes	□ No
2-3	If you answered "Yes" to any of the costs in Question	\$Bil.	Mil.	Thou.
	2-2, what was the amount of these costs that were included in your response to Question 2-1?			
2-4	Subtract Question 2-3 from Question 2-1 and enter the result here. This is the total R&D paid for by your company in 2023.	\$Bil.	Mil.	Thou.
	Is the amount entered in Question 2-4: \$0 → Stip to Section 3 on page 19.			
	Less than \$1 Million → STOP Skip to Section 2 Worksheet continue with Section 3 on page 19.	on page 18	3 and then	
	\$1 Million or greater → Continue with Question 2-5.			

Indi	rect R&D charges				
2-5	How much of the amount reported in Question 2-4 was for R&D costs your company plans to recoup through indirect charges on U.S. federal governme contracts (IR&D or independent R&D)?		\$Bil.	Mil.	Thou.
R&D	paid for by your company				
2-6	Of the amount reported in Question 2-4, what were code listed or amended in Question 1-11?	e the cost	s for ea	ch busine	ess
	If R&D costs are applicable to more than one business of basis. Allocation in proportion to operating revenues is accept allocation basis is more appropriate.				
	Business code	9	\$Bil.	Mil.	Thou.
	a				
	b				
	c. 00000				
	d	· · · · · · <u> </u>			
	e				
	f. UUUUU				
	g				
	h. 00000				
	i. <b>Total</b> (equals Question 2-4)				
2-7	Of the amount reported in Question 2-4, what cost	s were inc	curred b	y your	
	company in the following locations?  a. Domestic United States (50 states and D.C.) [Include	\$	\$Bil.	Mil.	Thou.
	R&D performed by domestic operations that is paid for by foreign subsidiaries]				
	b. All other countries (also, Puerto Rico) [Include R&D performed by foreign subsidiaries that is paid for by domestic operations]				
	c. <b>Total</b> (equals Question 2-4)				

2-8	8 How much of the (1) domestic by your company in 2023 was f					
	Indirect costs that are allocated if no other category is applicable. Re					
a. \$	(1)  Domestic  \$Bil. Mil. Thou.  Salaries, wages, and fringe benefits	(2) Foreign <u>Bil.</u> <u>Mil.</u>	<u>Thou.</u>	\$Bil.	(3) Worldwide <u>Mil.</u>	Thou.
b. §	Stock-based compensation					
c. l	Leased employees and temporary staf	ffing, including on-	site consulta	nts, workii	ng on R&D	
d. E	Expensed equipment (not capitalized)					
e. <b>I</b>	Materials and supplies					
f. l	Leased facilities and equipment					
g. [	Depreciation and amortization on prop	perty, plant, equipr	ment, and int	angible as	sets	
h. F	Royalties and licensing fees (including p property used in your company's R&D)	ayments made to other	rs for the use of	patents and	other forms of in	ntellectual
i. (	Collaborative R&D payments (include jo	int development agreer	ments)			
j. (	Contract R&D (include payments to your con	mpany's foreign parent	for R&D)			
k. (	Other purchased services					
	Ques	tion continues on	next page			

2-8	(Conti	nued)							
	(Oonti	(1) Domestic			(2) Foreign			(3) Worldwide	
	<u>\$Bil.</u>	Mil.	<u>Thou.</u>	\$Bil.	Mil.	Thou.	<u>\$Bil.</u>	Mil.	Thou.
I. A	II other co	osts (including a	administrative	and overhead o	osts <b>clearl</b>	y associated v	with your o	company's R&I	<b>D</b> )
m. <b>T</b>	otal								
	Total equ	als Question 2	?-7, line a	Total equals	Question	2-7, line b	Tota	al equals Ques	tion 2-4
2-9		-8, lines i ar s R&D perfo			and ente	er the resul	t here.		
	\$Bil.	(1) Domestic Mil.	Thou.	\$Bil.	(2) Foreign Mil.	Thou.	\$Bil.	(3) Worldwide Mil.	Thou.
	φыі.		Thou.	фЫII.		Thou.	φВП.		Thou.
2-10		act 2-9 from				and enter	the resul	t here.	
	This is	s <u>R&amp;D perfo</u> (1)	rmed by y	our compai	<u>ny</u> . (2)			(3)	
		Domestic			Foreign			Worldwide	
	\$Bil.	Mil.	Thou.	\$Bil.	Mil.	Thou.	\$Bil.	Mil.	Thou.
	\$Bil.	Mil.	Thou.	\$Bil.	Mil.	Thou.	\$Bil.	Mil.	Thou.
	\$Bil.	Mil.	Thou.	\$Bil.	Mil.	Thou.	\$Bil.	Mil.	Thou.
2-1	Of the	e amount re	ported in	Question 2-	10, colui	mn 2, how	much R8	&D was peri	formed
2-1	Of the	e amount re following loww.census.gov/	ported in ocations?	Question 2- For full list of coveys/brds/inform	10, colui	mn 2, how each region see	much R8	&D was perf y Question Guid	formed dance at
2-1	Of the	amount re	ported in ocations?	Question 2-	10, colui	mn 2, how each region see	much R8	&D was peri	formed
	Of the	e amount refollowing loww.census.gov/	ported in ocations?	Question 2- For full list of coveys/brds/inform	10, colui	mn 2, how each region see	much R8 e Question b	&D was perf y Question Guid	formed dance at
Can	Of the in the https://w	e amount refollowing loww.census.gov/	ported in ocations?	Question 2- For full list of coveys/brds/inform	10, colui puntries in e nation/brdsh	mn 2, how each region see nelp.html#q2-11	much R8 e Question b l. \$Bil.	&D was perf y Question Guid	formed dance at
Can	Of the in the https://w	e amount reproductive states a second state of the second states and second states are second states and second states are second states a	ported in ocations? programs-sur Mil.	Question 2- For full list of coveys/brds/inform	10, column countries in enation/brdsh Finlar	mn 2, how each region see nelp.html#q2-11	much R8 e Question b	&D was perf y Question Guid	formed dance at
Can Pue	Of the in the https://w	s amount refollowing loww.census.gov/ \$Bil.  \$Bil.	ported in ocations?	Question 2- For full list of coveys/brds/inform	Finlar Franc	mn 2, how each region see nelp.html#q2-11	much R8 e Question b	&D was perf y Question Guid	formed dance at
Can Pue	Of the in the https://w	s amount refollowing loww.census.gov/ \$Bil.  \$Bil.	ported in ocations? programs-sur Mil.	Question 2- For full list of coveys/brds/inform	Finlar Franc	mn 2, how each region see nelp.html#q2-11	much R8 e Question b	&D was perf y Question Guid	formed dance at
Can Pue Aus	Of the in the https://w	s amount refollowing loww.census.gov/ \$Bil \$Bil.	ported in ocations? programs-sur Mil.	Question 2- For full list of coveys/brds/inform	Finlar  Franc  Germ  Hung	mn 2, how each region see nelp.html#q2-11	much R8 e Question b	&D was perf y Question Guid	formed dance at
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Can Pue Aus Belg	Of the in the https://w	\$Bil.	ported in ocations? programs-sur Mil.	Question 2- For full list of coveys/brds/inform	Finlar  Germ  Hung  Irelan	mn 2, how each region see help.html#q2-11	#Bil.	&D was perf y Question Guid	formed dance at

2-11 (Continue	d)						
	\$Bil.	Mil.	Thou.		\$Bil.	Mil.	Thou.
Netherlands				Hong Kong			
Norway				India			
Poland				Indonesia			
Russia				Japan			
Spain				Malaysia			
Sweden				New Zealand			
Switzerland				Singapore			
Turkey				South Korea			
United Kingdom				Taiwan			
Other Europe				Thailand			
Latin America/ Other Western				Other Asia/ Pacific			
Hemisphere	\$Bil.	Mil.	Thou.	Middle East	\$Bil.	Mil.	Thou.
Argentina				Israel			
Brazil				Other Middle East			
Chile				Africa	¢D:1	M	Thou
Mexico Other Latin				South Africa	\$Bil.	Mil.	Thou.
America/OWH				Other Africa			
Asia and Pacific	\$Bil.	Mil.	Thou.	Total (equals			
Australia				Question 2-10, column 2)			
China							

2-12 How much in each sta				tuestion 2-10, colur	nn 1, wa	as perforn	ned
	\$Bil.	Mil.	Thou.		\$Bil.	Mil.	Thou.
Alabama				Maine			
Alaska				Maryland			
Arizona				Massachusetts			
Arkansas				Michigan			
California				Minnesota			
Colorado				Mississippi			
Connecticut				Missouri			
Delaware				Montana			
District of Columbia				Nebraska			
Florida				Nevada			
Georgia				New Hampshire			
Hawaii				New Jersey			
Idaho				New Mexico			
Illinois				New York			
Indiana				North Carolina			
lowa				North Dakota			
Kansas				Ohio			
Kentucky				Oklahoma			
Louisiana				Oregon			
		Qı	uestion conti	nues on next page			

2-12 (Continue	d)						
	\$Bil.	Mil.	Thou.	l	\$Bil.	Mil.	Thou.
Pennsylvania				Vermont			
Rhode Island				Virginia			
South Carolina				Washington			
South Dakota				West Virginia			
Tennessee				Wisconsin			
Texas				Wyoming			
Utah				Total (equals Question 2-10, column 1)			
Address 2							
Address 2							
City					State	ZIP	
2-14 How much	. of the		mantad in C	)	\$Bil.	Mil.	Thou.
column 1, Question 2	was fro	om the loca	ntion identi	Question 2-10, fied in			

Address 1			
Address 2			
City		State ZIP	
How much of the a	amount reported in Question 2-10,	\$Bil. Mil.	TI
column 1, was from Question 2-15?	m the location identified in		
Of the domestic Ra	&D performed by your company rep	orted in Question 2-1	10,
column 1, how mu	ch was for each business code repo	orted in Question 2-6?	?
		(1)	
		ا Domestic R&D by your con	
Business code	ı	\$Bil. Mil.	TI
2			
a		00 000	
a		<mark>00 000</mark>	
b			
b			
b			
b			
b			
b			
b			
b			
b			
b			

R&D transactions between legal entities under com	mon ownership
2-18 How much of the domestic R&D performed by your com 2-10, column 1, was paid for by your company's foreign	
<ul> <li>Include:</li> <li>Costs for R&amp;D performed in the United States under contract for a foreign subsidiary</li> <li>Inter-company transactions paid to the United States from foreign subsidiaries for transfer pricing R&amp;D cost sharing arrangements</li> <li>Exclude:</li> <li>Payments in excess of the cost of R&amp;D performed (profit or fees)</li> </ul>	\$Bil. Mil. Thou.
2-19 How much of the foreign R&D performed by your compactor column 2, was paid for by your company's domestic ope	
<ul> <li>Include:</li> <li>Costs for R&amp;D performed by your company's foreign subsidiaries under contract for your company's U.S. operations</li> <li>Inter-company transactions paid from the United States to foreign subsidiaries for transfer pricing R&amp;D cost sharing arrangements</li> <li>Exclude:</li> <li>Payments in excess of the cost of R&amp;D performed (profit or fees)</li> </ul>	\$Bil. Mil. Thou.
Projected R&D for 2025	
2-20 What are your company's projected 2025 costs for (1) dor (3) worldwide R&D paid for by your company?	nestic, (2) foreign, and
NOTE: These amounts are the 2025 projections for the amounts Question 2-8, line m.	s reported in
(1) (2)  Domestic Foreign  \$Bil. Mil. Thou. \$Bil. Mil. Thou.	<b>(3)</b> <b>Worldwide</b> \$Bil. Mil. Thou.
	00 000 000
2-21 How much of the amount reported in Question 2-20, colors is for projected contract R&D services and projected pay to business partners for collaborative R&D?	
NOTE: This amount is the 2025 projection for the amount reported in Question 2-9, column 1.	00 000 000

2-22 Who was primarily responsible for completing this section?    Same person mentioned in Question 1-7												
☐ Same person mentioned in Question 1-7												
Same person mentioned in Question 1-7												
□ Another person → Please provide the following information:												
Name												
Telephone Title Area code Number Extension												

# SECTION 2 WORKSHEET

	Complete if amount reported in Question 2-4 is less than	n \$1 Mil	lion
1	Of the total R&D paid for by your company reported in Question 2-were incurred in the following locations?	-4, what c	osts
	a. Domestic United States (50 states and D.C.) [Include R&D performed by domestic operations that is paid for by foreign subsidiaries]	\$Mil.	Thou.
	b. All other countries (also, Puerto Rico) [Include R&D performed by foreign subsidiaries that is paid for by domestic operations]		
	c. <b>Total</b>		
2	How much of the amount reported in Question 1, line a, was for eafollowing types of costs?	ach of the	Thou.
	a. Salaries, wages, and fringe benefits		
	b. Depreciation and amortization on property, plant, equipment, and intangible assets		
	c. Collaborative R&D payments (include joint development agreements)		
	d. Contract R&D (include payments to your company's foreign parent for R&D)		
	e. All other costs (including administrative and overhead costs clearly associated with your company's R&D)		
	f. <b>Total</b> (equals Question 1, line a)		
3	Add Question 2, lines a, b, and e, and enter the result here. This is the domestic R&D paid for and performed by your company in 2023.	\$Mil.	Thou.
4	Of the domestic R&D paid for and performed by your company rep Question 3, how much was for the following categories?		_
	Basic research activities aimed at acquiring new knowledge or understanding without specific immediate commercial applications or uses	\$Mil.	Thou.
	b. Applied research activities aimed at solving a specific problem or meeting a specific commercial objective		
	c. <u>Development</u> systematic work, drawing on research and practical experience and resulting in additional knowledge, which is directed to producing new products or processes or to improving existing products or processes		
	d. <b>Total</b> (equals Question 3)		

# **Costs Paid For by Others**

#### Who should answer this section?

Persons familiar with accounting concepts and with access to financial records related to your company's activities paid for by others should complete this section.

### What does this section cover?

Topics include customer-sponsored work and activities funded through grants, contracts, and/or reimbursements. Costs for these activities are requested 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.

the 1	t were your company's <u>worldwide costs</u> (both direct a following that were funded, paid for, or reimbursed by r company?				
• C	<b>lude:</b> osts that were paid for by your company, such as those reported in ayments in excess of the actual cost of the work performed (such a			s)	
		\$Bil.	ı	Mil.	Thou
	&D reimbursed by your company's foreign arent (if you are owned by a foreign parent)				
	ollaborative R&D reimbursed by business partners, uch as through cost-sharing agreements				
	&D paid for by grants (government or private bundations)				
01	efense R&D goods or services provided as a prime r as a sub, to the government and/or government ontractors				
_	Costs for projects that have achieved technical feasibility, such as low-rate initial production. Additional guidance is available online at https://www.census.gov/programs-surveys/brds/information.html				
	ledical clinical trial Phase I-III services provided to others ot owned by your company (include pass-through costs)				
	ledical R&D services, other than clinical trials, provided others not owned by your company				
CC	ondefense custom software development and/or omputer systems designed for others not owned by our 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				
cı m	rototype development, production, and testing for ustomer's products prior to their introduction to the narket (excluding defense-related prototyping reported line d)				
	Il other R&D services provided to the Federal Government r to others not owned by your company				
j. <b>T</b> e	otal				

3-1 (Continued)												
The amount entered in ls this amount:	Question 3-1, line j is the total R&D pa	id for by others in 2023.										
\$0 → STOP If Question	\$0 → [10] If Question 2-4 was also \$0, then you have completed this survey, otherwise skip to Section 4 on page 33.											
Less than \$1 Million → Stip to Section 3 Worksheet on page 31 and then continue with Section 4 on page 33.												
\$1 Million or greater → Continue with Question 3-2.												
R&D paid for by others	R&D paid for by others											
3-2 Of the amount reported in Question 3-1, line j, what costs were incurred by your company in the following locations?  \$\text{Spil.} \text{Mil.} \text{Thou.}												
a. Domestic United States (50 states and D.C.)												
b. All other countries (al	b. All other countries (also, Puerto Rico)											
c. <b>Total</b> (equals Questio	c. <b>Total</b> (equals Question 3-1, line j)											
3-3 How much of the (1) d	3-3 How much of the (1) domestic, (2) foreign, and (3) worldwide R&D paid for by											
others in 2023 was for	each of the following types of cos	<u></u>										
	<b>Illocated to R&amp;D</b> should be reported in the licable. Refer to the question instructions f											
(1) <b>Domestic</b> \$Bil. Mil. Thou	(2) Foreign ı. \$Bil. Mil. Thou.	(3) Worldwide \$Bil. Mil. Thou.										
a. Salaries, wages, and fringe b		<u>\$Bil.</u> <u>Mil.</u> <u>Thou.</u>										
		00 000 000										
b. Stock-based compensation												
c. Leased employees and temporary staffing, including on-site consultants, working on R&D												
d. Expensed equipment (not capitalized)												
e. Materials and supplies	e. Materials and supplies											
00 000 00		00 000 000										
	Question continues on next page											

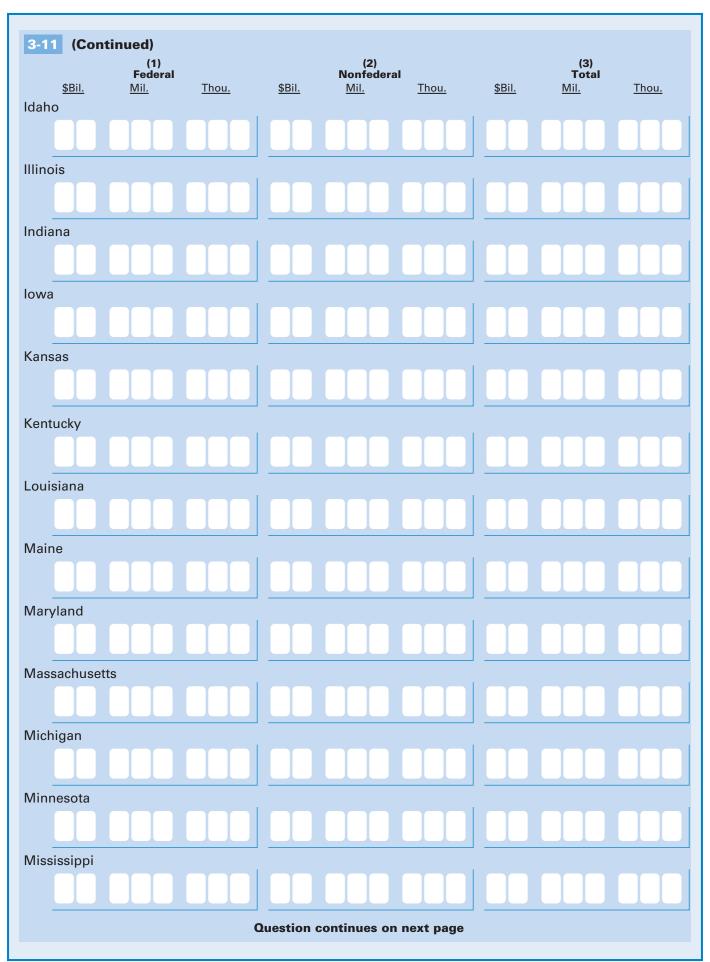
3-3	((	Coi	ntinue													
	40.			(1) omesti 						(2) Foreig	gn			<b>.</b>	(3) Worldwide	<u>-</u> .
f. L	<u>\$Bi</u> ease	_	_	<u>lil.</u> s and		Thou. pment	2	<u>₿Bil.</u>		Mil.		Thou.		<u>\$Bil.</u>	Mil.	<u>Thou.</u>
											J					
g. D	epre	cia	tion ar	nd am	ortiza	ation o	n pro	perty,	, plar	nt, equ	ıipm	nent, an	d int	tangible	assets	
h. R	oval	ties	and I	icensii	na fe	es (incl	ıdina n	avmer	nts ma	ade to o	thers	for the I	ise of	natents a	nd other forms o	of intellectual
pı	ropert	y us	sed in yo	our com	pany	's R&D)	lullig p	ayıncı	113 1116	ide to e	tilore	o for the t	130 01	paterits a		in intellectual
i. C	ollak	ora	ative R	&D pa	ayme	ents (inc	 lude jo	int dev	velopr	nent ag	reem	nents)				
	Ш															
j. C	ontr	act	R&D (	include	payr	ments to	your	compa	any's	foreign	n par	ent for F	₹&D)			
k. O	ther	pu	rchase	d serv	/ices											
	<u> </u>															
I. A	ll otl	ner	costs	(includi	ng ad	ministrat	ive and	d overl	head o	costs cl	early	associa	ted v	with your	company's R&	D)
m. <b>T</b>	otal															
	<u> </u>															
	Tot	al e	equals (	Questic	on 3-2	2, line a	7	otal e	equals	s Ques	tion	3-2, line	b	Total	equals Questio	n 3-1, line j
3-4	Add 3-3, lines i and j for each column, and enter the result here.  This is R&D performed by others (e.g., subcontracted/passed-through R&D costs).										nete)					
	•	1118		(1)		illeu b	, otti	<u> </u>	c.y.,	(2)		i acteu/	pas	seu-till (	(3)	
	\$Bi	l.		omesti 1il.		Thou.		\$Bil.		Foreig Mil.	gn	Thou.		\$Bil.	Worldwide Mil.	Thou.
3-5														the resu r by oth	ılt here. ıers.	
				(1) omesti						(2) Foreig					—— (3) Worldwide	
	\$Bi	l.		il.		Thou.		₿Bil.		Mil.	·	Thou.		\$Bil.	Mil.	Thou.

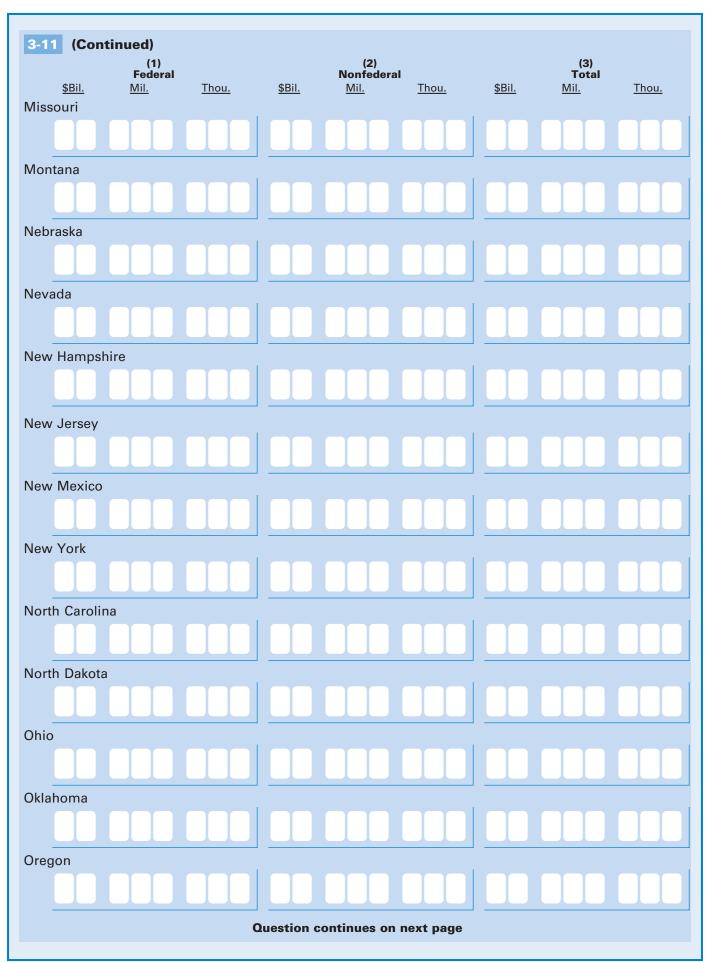
	\$Bil.	Mil.	Thou.	nation/brdshelp.html#q3-6.	\$Bil.	Mil.	Thou.
Canada				Switzerland			
				- Ownzonana			
Puerto Rico				Turkey			
Europe	\$Bil.	Mil.	Thou.	United Kingdom			
Austria				Other			
Belgium				Europe			
				Other Western Hemisphere	\$Bil.	Mil.	Thou.
Czech Rep				Argentina			
Denmark				Brazil			
Finland				Brazii			
				Chile			
France				Mexico			
Germany				Other Latin			
Hungary				America/OWH	¢D:I	NA:I	There
				Asia and Pacific	\$Bil.	Mil.	Thou.
reland				Australia			
taly				China			
Luxembourg				Hong Kong			
Netherlands				India			
Norway				Indonesia			
Poland				Japan			
- Viuliu I I I I I I I I I I I I I I I I I I I				oupuit			
Russia				Malaysia			
Spain				New Zealand			

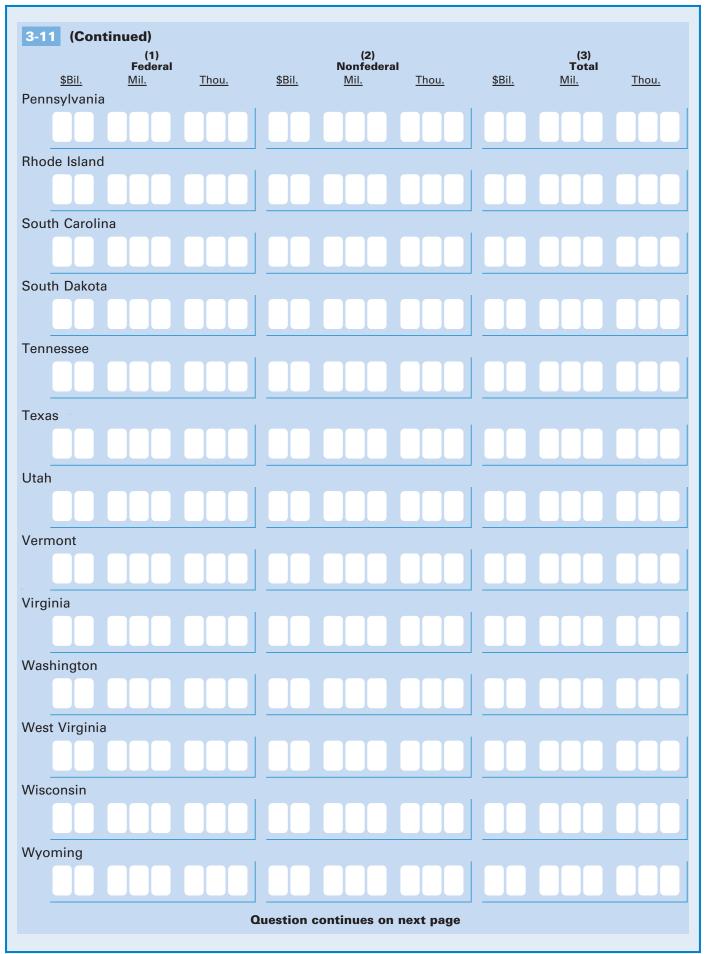
South Korea	3-6 (Continued)											
Tailwan  Thailand  Other Africa  Total (equals Question 3-5, column 2)  Middle East SBii. Miil. Thou.  Israel  Thou while East  How much of the domestic R&D performed by your company that was paid for by others reported in Question 3-5, column 1, was for each business code listed or amended in Question 1-11?  If R&D is applicable to more than one business code allocate on a reasonable basis. Allocation in proportion to operating revenues is acceptable unless some alternative allocation basis is more appropriate.  Business code SBii. Miil. Thou  a.  b.  c.  d.  g.		\$Bil.	Mil.	Thou.	Africa	\$Bil.	Mil.	Thou.				
Thailand  Other Asia/ Pacific  Middle East \$8ii. Mii. Thou.  Other Middle East  Thou Middle East  How much of the domestic R&D performed by your company that was paid for by others reported in Question 3-5, column 1, was for each business code listed or amended in Question 1-11?  If R&D is applicable to more than one business code allocate on a reasonable basis. Allocation in proportion to operating revenues is acceptable unless some alternative allocation basis is more appropriate.  Business code \$8ii. Mii. Thou a	South Korea				South Africa							
Thailand Question 3-5, column 2)  Middle East SBil. Mil. Thou.  Other Middle East  Thou others reported in Question 3-5, column 1, was for each business code listed or amended in Question 1-11?  If R&D is applicable to more than one business code allocate on a reasonable basis. Allocation in proportion to operating revenues is acceptable unless some alternative allocation basis is more appropriate.  Business code SBil. Mil. Thou a  b  c  f  g  g  Thou Middle East  SBil. Mil. Thou  Thou  Thou  SBil. Mil. Thou  Thou  g  g  Thou  Thou  Thou  The  Thou  The  The	Taiwan				Other Africa							
Other Middle East SBII. Mill. Thou.  Other Middle East  How much of the domestic R&D performed by your company that was paid for by others reported in Question 3-5, column 1, was for each business code listed or amended in Question 1-11?  If R&D is applicable to more than one business code allocate on a reasonable basis. Allocation in proportion to operating revenues is acceptable unless some alternative allocation basis is more appropriate.  Business code \$BII. Mill. Thou a.  b. C.  d  f  g  g  g  In the distribution of the domestic R&D performed by your company that was paid for by others reported in Question 1-11?  If R&D is applicable to more than one business code allocate on a reasonable basis.  Allocation in proportion to operating revenues is acceptable unless some alternative allocation basis is more appropriate.	Thailand				Question 3-5,							
Israel	Other Asia/ Pacific				001d11111 2)							
Other Middle East	Middle East	\$Bil.	Mil.	Thou.								
Middle East	Israel											
others reported in Question 3-5, column 1, was for each business code listed or amended in Question 1-11?  If R&D is applicable to more than one business code allocate on a reasonable basis. Allocation in proportion to operating revenues is acceptable unless some alternative allocation basis is more appropriate.  Business code \$Bil. Mil. Thou a.  b. C												
Business code \$Bil. Mil. Thou  b	others reported in Question 3-5, column 1, was for each business code listed or amended in Question 1-11?  If R&D is applicable to more than one business code allocate on a reasonable basis.  Allocation in proportion to operating revenues is acceptable unless some alternative allocation											
b.	Busine	ess code				\$Bil.	Mil.	Thou.				
c.	a. 📗											
c.	b. 0											
d.	c.											
e.												
f. 0000	d.											
g. 00000 00 000 00	е.											
	f.											
h. 00000 00 00 00	g											
	h											
i. <b>Total</b> (equals Question 3-5, column 1)												

	If your company is a subcontractor or subgrantee, report the or	iginal sou	rce of fund	ls.
	<b>Example:</b> Company Sub Inc. performs custom software development a subcontractor on a contract with the U.S. Dept. of Defense. Even tho for the defense company, it reports the cost of this development in line was the original source of funds.	ugh Sub In	c. is working	g directly
		\$Bil.	Mil.	Thou.
	a. Other companies located <u>inside</u> the United States			
	b. Your company's foreign parent (if you are owned by a foreign parent)			
	c. Other companies located <u>outside</u> the United States			
	d. U.S. federal government agencies or laboratories			
	e. U.S. state and local government agencies or laboratories			
	f. Foreign government agencies or laboratories			
	g. Universities, colleges, and academic researchers (including principal investigators) located <u>inside</u> the United States			
	h. Universities and colleges located <u>outside</u> the United States			
	i. All other organizations <u>inside</u> the United States			
	j. All other organizations <u>outside</u> the United States			
	k. <b>Total</b> (equals Question 3-5, column 1)			
9	Add Question 3-8, lines a, b, and c, and enter the	\$Bil.	Mil.	Thou.
	result here. This is the <u>domestic R&amp;D performed by</u> your company that was paid for by other companies.			
10	Subtract Question 3-8, line d, from Question 3-8, line k, 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.

How much of the following three amounts was performed in each state (including D.C.):  (1) Domestic R&D paid for by the U.S. federal government reported in Question 3-8, line d												
<ul><li>(2) Domestic R&amp;D paid for by nonfederal sources reported in Question 3-10</li><li>(3) Total domestic R&amp;D performed by your company that was paid for by others reported in Question 3-5, column 1</li></ul>												
(1) (2) (3) Federal Nonfederal Total  \$Bil. Mil. Thou. \$Bil. Mil. Thou. \$Bil. Mil. Thou.												
Alabama	IVIII.	THOU.	<del>фы.</del>	iviii.	<u>iniou.</u>	<u>ФБП.</u>	<u>IVIII.</u>	mou.				
Alaska												
Arizona												
Arkansas												
California												
Colorado												
Connecticut												
Delaware												
District of Co	lumbia											
Florida												
Georgia Company Compan												
Hawaii												
		C	Question co	ontinues on	next page							







3-11 (Co	ntinued) (1) Federal			(2) Nonfederal			(3) Total				
<u>\$Bil.</u>	<u>Mil.</u>	<u>Thou.</u>	<u>\$Bil.</u>	Mil.	Thou.	\$Bil.	Total <u>Mil.</u>	<u>Thou.</u>			
Total						1					
Total	equals Questior	3-8, line d	Total	equals Quest	ion 3-10	Total equals	Question 3-	5, column 1			
of F	At what domestic location did your company perform the largest dollar amount of R&D that was paid for by others in 2023?  Address 1										
Auc	iress i										
Add	lress 2										
City	1					State	ZIP				
Que	umn 1, was festion 3-12?  what <u>domest</u> lar amount of	ic location	did your	company p	perform th ers in 2023	e second la	rgest				
Add	Iress 2										
City	,					State	ZIP				
col	How much of the amount reported in Question 3-5, column 1, was from the location identified in Question 3-14?										

R&D performed by others							
	\$Bil.	Mil.	Thou.				
3-16 Of the domestic R&D performed by others reported in Question 3-4, column 1, how much was paid for by							
U.S. federal government agencies or laboratories?							
Projected R&D paid for by others in 2025							
3-17 What are your company's projected 2025 costs for R&D that will be paid for by others?	\$Bil.	Mil.	Thou.				
NOTE: This amount is the 2025 projection for what is reported in Question 3-1, line j.							
3-18 How much of the projected costs in 2025 for R&D that will be paid for by others reported in Question 3-17							
will be performed by your company in the United States?	\$Bil.	Mil.	Thou.				
NOTE: This amount is the 2025 projection for what is reported in Question 3-5, column 1.							
roportod in Cassisii o o, solaiiii 1.							
2.40 How much of the prejected costs in 2025 for demostic							
How much of the projected costs in 2025 for domestic R&D performed by your company reported in Question							
3-18 will be paid for by the U.S. federal government?	\$Bil.	Mil.	Thou.				
NOTE: This amount is the 2025 projection for what is							
reported in Question 3-8, line d.							
3-20 Who was primarily responsible for completing this section	1?						
☐ Same person mentioned in Question 1-7							
Anathan mana N Diagram and the fall and a fa	-4:						
Another person → Please provide the following information	ation:						
Name							
Telephone Title Area code Number Extension							
Alea code Number			ension				

# SECTION 3 WORKSHEET

Co	emplete if amount reported in Question 3-1, line j is less	than \$1 N	/lillion
1	Of the total R&D paid for by others reported in Question 3-1, line j were incurred in the following locations?	, what cos	ts
		\$Mil.	Thou.
	a. Domestic United States (50 states and D.C.)		
	b. All other countries (also, Puerto Rico)		
	c. <b>Total</b>		
2	How much of the amount reported in Question 1, line a, was for eafollowing types of costs?	nch of the	
		\$Mil.	Thou.
	a. Salaries, wages, and fringe benefits		
	b. Depreciation and amortization on property, plant, equipment, and intangible assets		
	c. Collaborative R&D payments (include joint development agreements)		
	d. Contract R&D (include payments to your company's foreign parent for R&D)		
	e. All other costs (including administrative and overhead costs clearly associated with your company's R&D)		
	f. <b>Total</b> (equals Question 1, line a)		
3	Add Question 2, lines a, b, and e, and enter the result here.	\$Mil.	Thou.
3	This is the domestic R&D performed by your company that was paid for by others in 2023.		

	our company is a subcontractor or subgrantee, report the original sou	rce of fund	ls.
a su for t	<b>mple:</b> Company Sub Inc. performs custom software development for a large bcontractor on a contract with the U.S. Dept. of Defense. Even though Sub In the defense company, it reports the cost of this development in line d becaus the original source of funds.	ıc. is working	g directly
		\$Mil.	Thou
a. O	ther companies located <u>inside</u> the United States		
	our company's foreign parent (if you are owned by a preign parent)		
c. O	ther companies located <u>outside</u> the United States		
d. U	S. federal government agencies or laboratories		
e. U	.S. state and local government agencies or laboratories		
f. Fo	oreign government agencies or laboratories		
	niversities, colleges, and academic researchers (including rincipal investigators) located inside the United States		
h. U	niversities and colleges located outside the United States		
i. A	II other organizations inside the United States		
j. A	II other organizations outside the United States		
k. <b>T</b>	otal (equals Question 3)		
	he domestic R&D performed by your company that was paid for orted in Question 3, how much was for the following categorie		rs
a. <u>B.</u>	asic research activities aimed at acquiring new knowledge runderstanding without specific immediate commercial pplications or uses	\$Mil.	Thou
	pplied research activities aimed at solving a specific roblem or meeting a specific commercial objective		
pı w	evelopment systematic work, drawing on research and ractical experience and resulting in additional knowledge, which is directed to producing new products or processes r to improving existing products or processes		
OI	r to improving existing products or processes		

## **Assets**

#### Who should answer this section?

Persons familiar with your company's accounting for capital expenditures and assets and with access to records related to those should complete this section.

#### What does this section cover?

The purpose of this section is to measure the stock of capital, both tangible and intangible, your company owns and uses in the course of its business and the investments it has made in these assets during 2023. Many of the questions in this section will tie directly to your company's financial statements.

4-1	What was the net worldwide value of the following assets by your company at the end of 2023, according to your bal			
	<ul><li>Include:</li><li>Assets classified as discontinued operations</li></ul>	\$Bil.	Mil.	Thou.
	a. Property, plant, and equipment			
	b. Goodwill			
	c. Identifiable intangible assets			
	d. <b>Total</b>			
4-2	What were your company's worldwide expenditures for th	•		
4-2	following capitalized assets in 2023?	e		
	<ul> <li>Include:</li> <li>Estimated cost of new structures and equipment acquired as the lessee under lease arrangements entered into during 2023.</li> <li>Capitalized internal software development costs.</li> </ul>			
	<ul> <li>Exclude:</li> <li>Assets acquired through mergers and acquisitions reported in Question 4-1.</li> </ul>			
	<ul> <li>Investment in operating leases (expenditures for fixed assets leased to others).</li> </ul>	\$Bil.	Mil.	Thou.
	a. Property, plant, and equipment			
	b. Identifiable intangible assets			
	c. <b>Total</b>			

-			_					
4-3 How much of the expenditures for capitalized assets in Question 4-2 were for assets that were deployed in the following locations?								
_	(1)  Domestic  Bil.  Mil.  perty, plant, and ea	Thou.	\$Bil.	(2) Foreign Mil.	Thou.	\$Bil.	(3) Worldwide <u>Mil.</u>	Thou.
	porty, plant, and ex							
b. Ider	ntifiable intangible	assets						
c. Tot	al							
4-4	Of the amounts R&D operations		Question	n 4-3, Colui	mn 1 (Dom	estic), ho	w much w	as for
	<ul> <li>Include:</li> <li>Expenditures for new and improve Expenditures for new and improve company.</li> <li>Expenditures for paid for by custom Companies should R&amp;D operations and the companies and the companies should R&amp;D operations and the c</li></ul>	red products for business opered processes business opered purchases business opered allocate capital	or sale by y trations that and softwater trations that as partners al expendit	rour company t research and re for use by t conduct R& , or other thin ures that bend	d develop your  D that is d parties.			
	a. Property, plant	, and equipn	nent			\$Bil.	Mil.	Thou.
	b. Identifiable int	angible asset	s					
	c. <b>Total</b>							

4-5	How much of the amount reported in Question 4-4, line c,	was for	the follov	ving?
		\$Bil.	Mil.	Thou.
	a. Land acquisition			
	b. Buildings and land improvement			
	c. Machinery and equipment			
	d. Capitalized software			
	e. Other intellectual property			
	f. All other capital expenditures for R&D operations			
	g. <b>Total</b> (equals Question 4-4, line c)			
4-6	Who was primarily responsible for completing this section	1?		
	Same person mentioned in Question 1-7			
	Another person → Please provide the following informations Name	ation:		
	Telephone Title Area code Number		Ex	tension

## 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 should complete this section.

#### 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 worldwide consolidated R&D and the R&D your company performs in the domestic United States.

If the amount reported in Question 2-4 was less than \$1 Million, skip to Question 5-11 on page 38.

5-1 What percentage of the total R&D paid for by your company reported in Question 2-4 was directed toward business areas or product lines that are new to your company?

**Example:** Company A manufactures laptop computers. In 2023, Company A's management decided to attempt to enter the cellular phone market and used a portion of the company's R&D budget to develop cellular phones. Because this was a new line of business in 2023, Company A reports this R&D in this question.



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

5-2 Copy the amount from Question 2-10, column 1.
This is the domestic R&D paid for and performed by your company.

\$Bil.	Mil.	Thou.		

How much of the amount reported in Question 5-2 was for the following categories?

э.	Research planned, systematic pursuit of new	
	knowledge or understanding	

ΨΟΠ.	IVIII.	mou.		

- c. **Total** (equals Question 5-2).....
  - . <u>UU UUU UUU</u>
- If you reported any research in Question 5-3, line a, how much of that research was for the following categories?

\$Bil.	Mil.	Thou.

a. Applied research activities aimed at solving a specific problem or meeting a specific commercial objective. . . . . .

	Y			
		-		

Tech	nnology focus of domestic R&D paid for and perforn	ned by yo	our com	pany
NOTE	: You may report the same R&D in multiple areas for Questi	ions 5-5 to	5-8.	
5-5	What percentage of the amount reported in Question 5-2 v software products or software embedded in other projects		cts?	%
5-6	What percentage of the amount reported in Question 5-2 v biotechnology? For list-based definition see Question by Question Guidance https://www.census.gov/programs-surveys/brds/information/brdshelp.html#q5-6			
	<b>Biotechnology</b> The application of science and technology to living or as well as parts, products and models thereof, to alter living or non-living for the production of knowledge, goods and services.	rganisms, ng materials		%
5-7	What percentage of the amount reported in Question 5-2 version anotechnology? For list-based definition see Question by Question Guida https://www.census.gov/programs-surveys/brds/information/brdshelp.html#q5-7			
	Nanotechnology The application of science and technology to organ organic and inorganic materials, as well as parts, products, and models at the nanometer-scale (but not exclusively below 1000 nanometers).			%
5-8	What percentage of the amount reported in Question 5-2 vartificial intelligence (AI)? For a detailed definition see Question by Que Guidance at https://www.census.gov/programs-surveys/brds/information/brdshelp	estion		
	<b>Artificial Intelligence (AI)</b> A branch of computer science and engine to making machines intelligent. Intelligence is that quality that enables perceive, analyze, determine response, and act appropriately in its environment.	an entity to	ed	%
Cha	racteristics of foreign R&D paid for and performe	d by you	r comp	any
5-9	Copy the amount from Question 2-10, column 2. This is the foreign R&D paid for and performed by your company.	\$Bil.	Mil.	Thou.
5-10	How much of the foreign R&D paid for and performed			
	by your company reported in Question 5-9 was for the following categories?	\$Bil.	Mil.	Thou.
	a. Research planned, systematic pursuit of new knowledge or understanding			
	b. <u>Development</u> systematic work, drawing on research and practical experience and resulting in additional knowledge, which is directed to producing new products or processes or to improving existing products or processes.			
	c. <b>Total</b> (equals Question 5-9)			

Domestic R&D performed by your company that was	paid for	r by othe	ers
If the amount reported in Question 3-1, line j was less than \$1 Million	on, skip to	Section 6	on page 41.
5-11 Copy the amount from Question 3-5, column 1. This is the domestic R&D performed by your company that was paid for by others.	\$Bil.	Mil.	Thou.
5-12 How much of the amount reported in Question 5-11 was for the following categories?	\$Bil.	Mil.	Thou.
Research planned, systematic pursuit of new knowledge or understanding			
<ul> <li>b. <u>Development</u> systematic work, drawing on research and practical experience and resulting in additional knowledge, which is directed to producing new products or processes or to improving existing products or processes</li> </ul>			
c. <b>Total</b> (equals Question 5-11)			
E 12 If you reported any research in Ougstion E 12 line a hour			
5-13 If you reported any research in Question 5-12, line a, how much of that research was for the following categories?	\$Bil.	Mil.	Thou.
a. <u>Applied research</u> activities aimed at solving a specific problem or meeting a specific commercial objective			
b. <u>Basic research</u> activities aimed at acquiring new knowledge or understanding without specific immediate commercial applications or uses			
c. <b>Total</b> (equals Question 5-12, line a)			

Tech that	nnology focus of domestic R&D performed by you was paid for by others	ır compa	ny	
NOTE	You may report the same R&D in multiple areas for Quest	ions 5-14 1	to 5-17.	
5-14	What percentage of the amount reported in Question 5-11 software products or software embedded in other projects products?			%
5-15	What percentage of the amount reported in Question 5-11 biotechnology? For list-based definition see Question by Question Guidance https://www.census.gov/programs-surveys/brds/information/brdshelp.html#q5-15			
	<b>Biotechnology</b> The application of science and technology to living o as well as parts, products and models thereof, to alter living or non-livi for the production of knowledge, goods and services.			%
5-16	What percentage of the amount reported in Question 5-11 nanotechnology? For list-based definition see Question by Question Guida https://www.census.gov/programs-surveys/brds/information/brdshelp.html#q5-16			
	<b>Nanotechnology</b> The application of science and technology to organ organic and inorganic materials, as well as parts, products, and models at the nanometer-scale (but not exclusively below 1000 nanometers).			%
5-17	What percentage of the amount reported in Question 5-11 artificial intelligence (AI)? For a detailed definition see Question by Qu Guidance at https://www.census.gov/programs-surveys/brds/information/brdshelp	estion		
	<b>Artificial Intelligence (AI)</b> A branch of computer science and engine to making machines intelligent. Intelligence is that quality that enables perceive, analyze, determine response, and act appropriately in its envi	an entity to	ed	%
Dom U.S.	nestic R&D performed by your company that was federal government	paid for	by the	
5-18	Copy the amount from Question 3-8, line d. This is the domestic R&D performed by your company that was paid for by the U.S. federal government.	\$Bil.	Mil.	Thou.
5-19	How much of the amount reported in Question 5-18 was for the following categories?			
	a. Research planned, systematic pursuit of new knowledge or understanding	\$Bil.	Mil.	Thou.
	b. <u>Development</u> systematic work, drawing on research and practical experience and resulting in additional knowledge, which is directed to producing new products or processes or to improving existing products or processes			
	c. <b>Total</b> (equals Question 5-18)			

5-20 If you reported any research in Question 5-19, line a, how much was for the following categories?	\$Bil.	Mil.	Thou.
a. Applied research activities aimed at solving a specific problem or meeting a specific commercial objective			
b. Basic research activities aimed at acquiring new knowledge or understanding without specific immediate commercial applications or uses			
c. <b>Total</b> (equals Question 5-19, line a)			
5-21 What percentage of the amount reported in Question 5-18 for software products or software embedded in other projor products?			%
Characteristics of foreign R&D performed by your confor by others	mpany t	hat was	paid
5-22 Copy the amount from Question 3-5, column 2. This is the foreign R&D performed by your company and paid for by others.	\$Bil.	Mil.	Thou.
5-23 How much of the amount reported in Question 5-22 was for the following categories?	\$Bil.	Mil.	Thou.
a. Research planned, systematic pursuit of new knowledge or understanding			
<ul> <li>b. <u>Development</u> systematic work, drawing on research and practical experience and resulting in additional knowledge,</li> </ul>			
which is directed to producing new products or processes or to improving existing products or processes			
c. <b>Total</b> (equals Question 5-22)			
5-24 Who was primarily responsible for completing this section	1?		
Same person mentioned in Question 1-7			
□ Another person → Please provide the following information	ation:		
Name			
Telephone Title Area code Number		Evto	ension

# **SECTION 6**

### **Human Resources**

#### Who should answer this section?

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

#### 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. Include employment data for operations or subsidiaries for which your company owned more than 50 percent.

How many employ many were <u>all other</u>	ees reported in Question 1	I-9 were <u>R&amp;D employe</u>	es and how
Include: Full-and part-	time employees		
Exclude: Leased or ter	mporary employees and consulta	ants	
	de: All employees who work on nanagers, technicians, clerical st		
	de: Employees who provide only ards, and cafeteria workers.	y indirect support to R&D, s	uch as corporate
	(1) Domestic operations	(2) Foreign operations	(3) Total employees
a. R&D employees	000000		
b. All other employe	ees		
c. Total employees	s <u>UUUU</u>		
		T	4.0
		Total line equals Question	1-9
6-2 How many of the e each state (includi	employees reported in Que		
each state (includi	employees reported in Que ng D.C.)?	stion 6-1, column 1, w	ere employed in
each state (includi	employees reported in Que ng D.C.)?	stion 6-1, column 1, w	ere employed in
each state (includi (1) R&D employees	employees reported in Que ng D.C.)?	stion 6-1, column 1, w (1) R&D employees	ere employed in
each state (includi (1) R&D employees	employees reported in Que ng D.C.)?	stion 6-1, column 1, w (1) R&D employees	ere employed in
each state (includi (1) R&D employees Alabama	employees reported in Que ng D.C.)?	(1) R&D employees California	ere employed in
each state (includi (1) R&D employees Alabama	employees reported in Que ng D.C.)?	(1) R&D employees California	ere employed in
each state (includi (1) R&D employees Alabama Alaska	employees reported in Que ng D.C.)?	(1) R&D employees California Colorado	ere employed in
each state (includi (1) R&D employees Alabama Alaska	employees reported in Que ng D.C.)?	(1) R&D employees California Colorado	ere employed in
each state (includi (1) R&D employees Alabama Alaska Arizona	employees reported in Que ng D.C.)?	(1) R&D employees California Colorado Connecticut	ere employed in

(Continued)	(2)	(1)	(2)
R&D employees	Total employees	R&D employees	Total employees
District of Columbia	ı	Michigan	
		000000	
Florida		Minnesota	
Georgia		Mississippi	
Hawaii		Missouri	
Idaho		Montana	
Illinois		Nebraska	
Indiana		Nevada	
lowa		New Hampshire	
Kansas		New Jersey	
Kentucky		New Mexico	
Louisiana		New York	
Maine		North Carolina	
Maryland		North Dakota	
Massachusetts		Ohio	
	Question continue	o on novt noss	

(Continued) (1) R&D employees Oklahoma	(2) Total employees	(1) R&D employees Utah	(2) Total employee
Oregon		Vermont	
Pennsylvania		Virginia	
Rhode Island		Washington	
South Carolina		West Virginia	
South Dakota		Wisconsin	
Tennessee		Wyoming	
Telliessee		VVyoning	
Texas		Total	
How many of the en each location (inclu (1) R&D employees	nployees reported in Qu ding Puerto Rico)? (2) Total employees	estion 6-1, column 2, wo (1) R&D employees	ere employed in (2) Total employee
Canada		0 1 0	
		Czech Rep	
000000		Czecn Rep	
Puerto Rico		Denmark	
		Denmark	
Puerto Rico  Europe			
Puerto Rico		Denmark Finland	
Puerto Rico  Europe		Denmark	

(1) R&D employees	(2) Total employees	(1) R&D employees	(2) Total employe
Germany		United Kingdom	
Hungary		Other Europe	
Ireland		Latin America/Other W	lestern Hemisphe
		Argentina	
Italy			
		Brazil	
Luxembourg			
		Chile	
Netherlands			
		M :	
Newson		Mexico	
Norway			
		Other Latin America/O	WH
Poland			
		Asia and Pacific	
Russia		Australia	
Spain		China	
Sweden		Hong Kong	
Switzerland		India	
Turkey		Indonesia	

6-3	(Continued) (1) R&D employees Japan	(2) Total employees	(1) R&D employees Middle East	(2) Total employees
			Israel	
	Malaysia			
			Other Middle East	
	New Zealand			
			Africa	
	Singapore		South Africa	
	South Korea		Other Africa	
	Taiwan		Total	
	Thailand			
	Other Asia/Pacific			
<b>&amp;</b> [	D employees			
4	How many of the R& employees and male	D employees reported in employees?		
		(1) Domestic Operations	(2) Foreign Operations	(3) Total R&D employees
	a. Female R&D employ	vees ( )		
	,			
	b. Male R&D employee	es		
	c. Total R&D employ	ees		
		Tota	I line equals Question 6-1,	line a

6-5	How many of the R&D e occupations listed below		Question 6-1, line a, ν	worked in the
	a. Researchers (including R&D scientists, engineers, and their	(1) Domestic Operations	(2) Foreign Operations	(3) Total R&D employees
	b. R&D technicians and equivalent staff			
	c. R&D support staff (clerical and other)	. 000000	000000	
	d. Total R&D employees		line equals Question 6-1,	line a
		rotari	mio oquaio Quostion o 1,	mio d
6-6	How many of the resear level of education?	(1)	(2)	the following (3)
		Domestic Operations	Foreign Operations	Total
	PhD (excluding MD, JD, and EdD)			
Don 6-7	Of the domestic R&D en was the number of full-t employees, other full-tir	nployees reported in Q time equivalents (FTEs)	for R&D activity for	full-time R&D
	employees?			Number
	a. FTEs for full-time R&D e	employees		
	Count the number of fu	II-time employees who w	ork only on R&D	
	<b>Example:</b> 50 full-time R&D employe	ees worked only on R&D = 5	0 FTEs	
		employees not working s ne they work on R&D to c	alculate the	
	<b>Example:</b> 60 full-time employees av	veraged one-fourth of their ti	ime on R&D = 15 FTEs	
		loyees working on R&D ime week (such as 40 hou FTEs		
	<b>Example:</b> 20 part-time employees a	veraged 20 hours a week on	n R&D activities = 10 FTEs	:
	d. Total FTEs			

6-8	th en	f the domestic research e number of full-time e nployees, other full-tim nployees?	quivalents (FTEs) fo	r R&D activity for fu	II-time R&D , and part-time
	а	FTEs for full-time researc	hers		Number
	u.	Count the number of full-		work only on R&D	
		<b>Example:</b> 50 full-time R&D scientists	worked only on R&D = {	50 FTEs	
	b.	FTEs for other full-time re Use the share of the time number of FTEs	they work on R&D to	calculate the	000000
		<b>Example:</b> 60 full-time managers averages	aged one-fourth of their	time on R&D = 15 FTEs	
	C.	FTEs for part-time research Use the share of a full-tin on R&D to calculate the F	ne week (such as 40 h	ours) that they work	00000
		<b>Example:</b> 20 part-time employees ave	eraged 20 hours a week	on R&D activities = 10 F7	'Es
	d.	Total FTEs			000000
			Total FTEs sh	ould not exceed Quest	ion 6-5, line a, column 1.
6-9	W	ow many of the domest ere non-U.S. citizens en a H-1B or L-1?			
	R	esearchers employed und	er a temporary visa		Domestic Operations
6-10	le	addition to the R&D en ased employees and ten the occupations listed	nporary staff, inclu		
	a.	Researchers (including R&D scientists, engineers, and their managers)	(1) Domestic Operations	(2) Foreign Operations	(3) Total leased and temporary employees working on R&D
	b.	R&D technicians and equivalent staff			000000
	c.	R&D support staff (clerical and other)	000000	00000	000000
	d.	Total leased and temporary employees working on R&D		00000	

6-11	Who was primarily responsible for completing this section?				
	Same person mentioned in Question 1-7				
	□ Another person → Please provide the following information:				
	Name				
	Telephone				
	Title Area code Number Extension				

## **SECTION 7**

### **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 activities related to intellectual property should complete this section.

#### What does this section cover?

This section requests information about your company's worldwide intellectual property and technology transfer activities such as: patents, patent licensing, protection of intellectual property, and transfer of intellectual property.

#### Are responses to this survey confidential?

Yes. Your responses are completely confidential under Title 13, United States Code, Section 9, and can only be used to produce statistics. The Census Bureau is not permitted to publicly release your responses in a way that could identify your business. The law 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.

### **Total patents and utility patents**

7-1	How many total patents did your company <u>apply</u> for in 2023 from the U.S. Patent and Trademark Office (USPTO)?	Number
7-2	Of the patent applications reported in Question 7-1, what was the number of <u>nonprovisional utility patent</u> applications?	Number
7-3	What percentage of the <u>nonprovisional utility patent</u> applications reported in Question 7-2 has your company applied for or plans to apply for in foreign jurisdictions?	%
7-4	What percentage of the <u>nonprovisional utility patent</u> applications reported in Question 7-2 was for inventions that originated within your company's organized R&D activities?	%
7-5	What percentage of your company's inventions <u>considered</u> for patenting in 2023 resulted in nonprovisional utility patent applications?	%
7-6	How many <u>utility patents</u> were <u>issued</u> to your company in 2023 by the USPTO?	Number

How much revenue did your company receive in 2023 from the sale of utility patents?	Utility patent sales and licensing <u>to others</u>			
in 2023 from the sale of utility patents?  How much revenue did your company receive in 2023 from utility patent licensing?  7-5  Was any of the revenue reported in Questions 7-7 or 7-8 received from companies or organizations located outside the United States?  7-10  How much did your company pay others in 2023 to purchase utility patents?  7-11  How much did your company pay others in 2023 to license utility patents?  7-12  Were any of the payments reported in Questions 7-10 or 7-11 made to companies or organizations located outside the United States?  7-13  Did your company perform the following activities in 2023?  a. Transferred intellectual property (IP) to others not owned by your company through participation in technical assistance or "know how" agreements.  b. Received IP from others not owned by your company through participation in technical assistance or "yes No d. Received IP from a parent company as part of a spin-off or spin-out 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.  g. Participated in cross-licensing agreements — the 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 year license in one or more of the patents owned by year license in one or more of the patents owned by year license in one or more of the patents owned by year license in one or more of the patents owned by year license in one or more of the patents owned by year license in one or more of the patents owned by year license in one or more of the patents owned by year license in one or more of the patents owned by year license in one or more of the patents owned by year license in one or more of the patents owned by year license in one or more of the patents owned by year license in one or more of the patents owned by year license in one or more of the patents owned by year license in one		\$Bil.	Mil.	Thou.
How much revenue did your company receive in 2023 from utility patent licensing?   Yes   No   No   T-8 received from companies or organizations   Yes   No   No   No   No   No   No   No   N				
or 7-8 received from companies or organizations located outside the United States?    T-10   How much did your company pay others in 2023 to purchase utility patents?   SBII.   MIII.   Thou.		\$Bil.	Mil.	Thou.
Thou.   Thou	or 7-8 received from companies or organizations		Yes	□ No
T-10   How much did your company pay others in 2023 to purchase utility patents?	Utility patent purchases and licensing from others			
1-11   How much did your company pay others in 2023 to license utility patents?		\$Bil.	Mil.	Thou.
or 7-11 made to companies or organizations located outside the United States?  7-13 Did your company perform the following activities in 2023?  a. Transferred intellectual property (IP) to others not owned by your company through participation in technical assistance or "know how" agreements.  b. Received IP from others not owned by your company through participation in technical assistance or "know how" agreements.  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.  f. Acquired any financial interest in another company in order to gain access to their IP.  g. Participated in cross-licensing agreements — the 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.		\$Bil.	Mil.	Thou.
a. Transferred intellectual property (IP) to others not owned by your company through participation in technical assistance or "know how" agreements	or 7-11 made to companies or organizations located outside the United States?		Yes	□ No
a. Transferred intellectual property (IP) to others not owned by your company through participation in technical assistance or "know how" agreements	7-13 Did your company perform the following activities in 202	3?		
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	company through participation in technical assistance or		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
e. Acquired more than 50% ownership in another company for the primary purpose of acquiring their IP.  f. Acquired any financial interest in another company in order to gain access to their IP.  g. Participated in cross-licensing agreements — the 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	c. Transferred IP to a spin-off or spin-out of your company		. 🗆 Yes	□ No
primary purpose of acquiring their IP	d. Received IP from a parent company as part of a spin-off or s	spin-out	. 🗆 Yes	□ No
gain access to their IP			Yes	□ No
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
	which two or more parties grant a license to each other for use of the subject matter claimed in one or more of the paten	the ts	Yes	□ No
(for example, open source software) Yes	h. Allowed free use of patents or other IP owned by your comp	any	Yes	□ No
i. Made use of open source patents or other freely available IP not owned by your company	i. Made use of open source patents or other freely available IP	not	□ V	□ No

Intellectual property protection			
7-14 During 2023, 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)	. 🗆		
b. Design patents (patents for appearance)	. 🗆		
c. Trademarks	. 🗆		
d. Copyrights	. 🗆		
e. Trade secrets	. 🗆		
f. Mask works (copyright protection for semiconductor products	) 🗆		
7-15 Who was primarily responsible for completing this section	?		
Same person mentioned in Question 1-7			
Another person → Please provide the following information	ation:		
Name			
Telephone		F .	
Title Area code Number		Exten	ision

## **SECTION 8**

## **Tax Topics**

#### Who should answer this section?

Persons familiar with your company's tax filings.

#### What does this section cover?

This section requests information about state and federal tax credits for which your company may have filed.

#### Are responses to this survey confidential?

Yes. Your responses are completely confidential under Title 13, United States Code, Section 9, and can only be used to produce statistics. The Census Bureau is not permitted to publicly release your responses in a way that could identify your business. The law 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.

8-1	Did your company file for the tax cr research activities (IRS Form 6765)			. 🗆	Yes	□ No
8-2	Did your company file for any U.S. s research activities in 2023?			. 🗆	Yes	□ No
8-3	Was your company charged for R&D subsidiaries in 2023 as part of any co			. 🗆	Yes	□ No
8-4	Did your company charge foreign su your company performed in 2023 as arrangement?	part of any	cost sharing	🗆	Yes	□ No
8-5	Who was primarily responsible for c	completing	this section?			
	☐ Same person mentioned in Question	on 1-7				
	Another person → Please provide the following information:					
	Name					
	Namo					
	Title	Telephone Area code	Number		Exten	sion

		1	
Busi	ness codes	Consu	ımer Goods
(used	in Sections 1, 2, and 3)	33333	Digital cameras manufacturing
	pace and Defense	33430	Audio and video equipment manufacturing
	Aircraft engine and engine parts manufacturing	31210	
33641	Aircraft manufacturing	33200	Fabricated metal products manufacturing
	Guided missiles, space vehicles, and parts	31100	Food manufacturing
	manufacturing	33700	Furniture and related products manufacturing
33692	Military armored vehicle, tank, and tank	32300 32591	Printing and related support activities Soap, cleaning compound, and toilet
	components manufacturing	32331	preparations manufacturing
33452		31990	Textile, apparel, and leather products
	aeronautical, and nautical system and		manufacturing
33660	instruments manufacturing Ship and boat building	31220	Tobacco manufacturing
33643	Other aircraft parts and auxiliary equipment	33990	Miscellaneous manufacturing not listed
00010	manufacturing		elsewhere (games, office supplies, slot machines, etc.)
Auton	nobiles, Motorcycles, and Components		
33620	Motor vehicle body and trailer manufacturing	_	y and Mining
33630	Motor vehicle parts manufacturing	33360	Engine, turbine, and power transmission
33610	Motor vehicles manufacturing	04000	equipment manufacturing
33691	Motorcycle, bicycle, and parts manufacturing	21200 33319	Mining Mining, oil, and gas field machinery and
33651 33660	Railroad rolling stock manufacturing Ship and boat building	33313	equipment manufacturing
33699	All other transportation equipment	21100	Oil and gas extraction
55055	manufacturing	32401	Petroleum refineries
Capita	al Equipment	21300	Support activities for mining, including oil and gas
33311	Agricultural machinery and equipment		
	manufacturing	Finan	ce, Insurance, and Real Estate
33332	Commercial, service industry, temperature	52200	<b>3</b>
	control, and airflow control machinery	52400	Insurance carriers and related activities
33312	manufacturing Construction machinery manufacturing	53100	Real estate
33500		52310	Securities, commodity contracts, and other financial investments and related activities
00000	components manufacturing		(including funds and trusts)
33360			(mordaling rando and trabto)
	equipment manufacturing	Healtl	ncare
33322		32543	Biotechnology-based pharmaceutical and
22200	semiconductor machinery		biological products (except diagnostics)
33390	Metalworking and other general purpose machinery manufacturing	33451	Electromedical, electrotherapeutic, and
33319	Mining, oil, and gas field machinery and		irradiation apparatus manufacturing
00010	equipment manufacturing	62200	Hospitals and nursing care facilities
33331	Photographic and photocopying equipment	32542	In vitro diagnostic substances manufacturing
	manufacturing	62150	Medical and diagnostic laboratories Medical equipment and supplies manufacturing
Chem	icals and Materials	62110	Offices of physicians
	Asphalt paving, roofing, and saturated	32541	Pharmaceutical, medicinal, and botanical
02402	materials manufacturing		products manufacturing
32510		54173	Research and development services
32790	Cement, concrete, lime, gypsum, and other	E4475	in biotechnology (except nanotechnology)
	nonmetallic mineral product manufacturing	54175	Research and development services in nanotechnology
32710	Clay and glass products manufacturing	54174	
21200	Mining Paint adhesive and other chemical	34174	in physical, engineering, and life sciences
32592	Paint, adhesive, and other chemical manufacturing		(except nanotechnology and biotechnology)
32200		62199	Other ambulatory health care services
32530	Pesticide, fertilizer, and other agricultural		(ambulance, dental, home health care)
	chemical manufacturing		

32591

chemical manufacturing

33100 Primary metal manufacturing 32520 Resin, synthetic rubber, and artificial

preparations manufacturing
32100 Wood products manufacturing
32403 Other petroleum and coal products

32600 Plastics and rubber products manufacturing

Soap, cleaning compound, and toilet

manufacturing, including motor oil, hydraulic fluid, and charcoal

synthetic fibers and filaments manufacturing

Inforn	nation Technology - Goods and Services
33333 51801	Digital cameras manufacturing Cloud computing applications and internet based software services
54150	Computer systems design and related services
33412	Computers and peripheral equipment
	manufacturing, including magnetic and optical media
51800	Data processing, hosting, and related services
33500	Electrical equipment, appliances, and components manufacturing
45411	Electronic shopping and mail-order houses
33459	Measuring and control instruments
33422	manufacturing (not listed elsewhere) Radio, television, and wireless
33422	communication equipment manufacturing
33440	Semiconductor and other electronic
33321	components manufacturing Semiconductor machinery manufacturing
51120	Software publishers (except Internet)
33421	Telephone apparatus manufacturing
	including routers, modems, and gateways
42500	Wholesale electronic markets and
22420	agents and brokers (business to business)
33429	Other communication equipment manufacturing (except radio, television,
	and wireless communication equipment)
51910	Other information services, including
	Internet publishing, broadcasting,
	and web search portals
Profes	ssional, Scientific, and Technical Services
54180	Advertising and related services
54130	Architectural, engineering, and related services
54150 54111	Computer systems design and related services Legal, accounting, tax preparation,
34111	bookkeeping and payroll services
54160	Management, scientific, and
54190	technical consulting services
54190	Professional, scientific, and technical services (not listed elsewhere)
54173	Research and development services in
	biotechnology (except nanotechnology)
54175	Research and development services in nanotechnology
54174	Research and development services in
	physical, engineering, and life sciences
	(except nanotechnology and biotechnology)
54172	Research and development services in
54140	social sciences and humanities Specialized design services
Teleco	ommunications and Utilities
51500	Broadcasting (except Internet)
51740	Satellite telecommunications
22100	Utilities

56200 Waste management and remediation services

Wireless telecommunications carriers

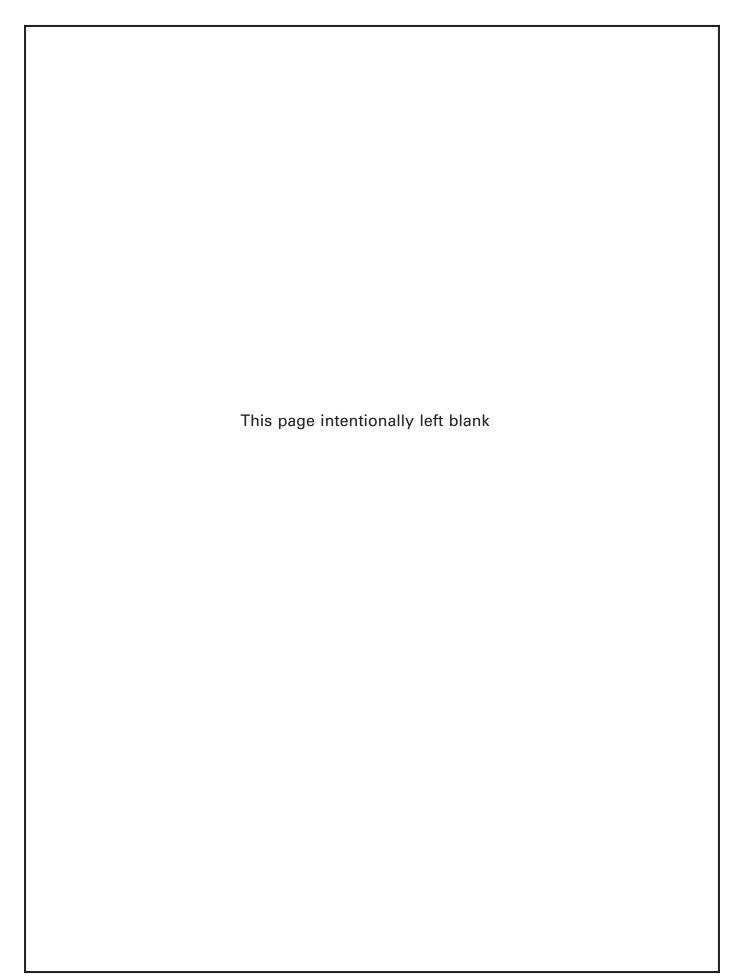
51790 Other telecommunications (not listed elsewhere)

51710 Wired telecommunications carriers

(except satellite)

#### **Other Services** 72000 Accommodation and food services 56100 Administrative and support services 71000 Arts, entertainment, and recreation 23000 Construction 49200 Couriers, messengers, and express delivery services 53300 Lessors of nonfinancial intangible assets (including patent licensing) 55100 Management of companies and enterprises Merchant wholesalers, durable goods 42300 42400 Merchant wholesalers, nondurable goods 51200 Motion picture and sound recording (except Internet) 51110 Newspaper, periodical, book, and directory publishers (except Internet) Rental and leasing services 53200 44000 Retail trade, except electronic shopping and mail-order houses 62400 Social assistance services 21300 Support activities for mining, including oil and gas 48000 Transportation 49300 Warehousing and storage 81000 Other services (not listed elsewhere)

51720



Approximately how long did it take to complete this survey?	Hours	Minutes
Approximately now long did it take to complete this survey?		:
<b>Remarks</b> (Please use this space below for any explanations that may be essential in un reported data.)	derstandin	g your
Thank You – Your Response is Important		
Accurate and timely statistical information could not be produced without your cont and goodwill. Thank you.	nued coo	peration
We estimate this survey will take between 15 minutes and 18 hours, with an average of minutes to complete, including the time for reviewing instructions, searching existing da gathering and maintaining the data needed, and completing and reviewing the collection You may email comments regarding this burden estimate or any other aspect of this collinformation, including suggestions for reducing this burden, to erd.survey.comments@ce	ta sources of inform lection of	, ation.

to use "ERD Survey Comments 0607-0912" as the subject.