

R&D and Innovation Survey

Notes

Survey introduction

TBD

Overall company information

1. Please provide the following information for a person we may contact regarding the answers to this survey.

Name

Title

Telephone	<input type="text"/>	Extension	<input type="text"/>
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Fax	<input type="text"/>	Extension	<input type="text"/>
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E-mail address	<input type="text"/>
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2. Which five-digit business code from the list on pages 2 and 3 best describes your company at end of 2008? (*Enter number; if none, enter zero.*)

<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>
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NOTE: Please answer the next three questions to find out whether you should fill out this questionnaire.

3. Did your company cease operations prior to April 1, 2008?

[] Yes → **Stop here.**

Please enter the date your company ceased operations and return the survey form.

Date: _____

[] No → Go to Question 4, page 4.

Business segment codes for Question 2

Aerospace & Defense

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

Automobiles, Motorcycles & Components

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

Capital Goods

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

Commercial and Professional Services (including contract research)

- 54120 Accounting, tax preparation, bookkeeping and payroll services
- 54180 Advertising and related services
- 54130 Architectural, engineering, and related services
- 56140 Business support services
- 53240 Commercial and industrial machinery and equipment rental and leasing
- 54110 Legal services
- 54160 Management, scientific, and technical consulting services
- 56190 Office administrative, facilities, employment, and other support services
- 54190 Professional, scientific, and technical services (Not listed elsewhere in this category)
- 32300 Printing and related support activities
- 56290 Remediation and other waste management services

(continued)

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

- 54170 Scientific research & development services
- 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
- 31500 Apparel manufacturing
- 33430 Audio and video equipment manufacturing
- 81110 Automotive repair and maintenance
- 31210 Beverage manufacturing
- 51520 Cable and other subscription programming (except Internet)
- 62440 Child day care services
- 44800 Clothing and clothing accessories stores
- 23600 Construction of buildings
- 53220 Consumer goods and general rental centers
- 61100 Educational services
- 33500 Electrical equipment, appliances, and components manufacturing
- 45410 Electronic shopping and mail-order houses
- 44300 Electronics and appliance stores
- 44500 Food and beverage stores
- 31100 Food manufacturing
- 72200 Food services and drinking places
- 33700 Furniture and related products manufacturing
- 45200 General merchandise stores
- 51600 Internet publishing and broadcasting
- 56160 Investigation, security, and services to buildings and dwellings
- 31600 Leather and allied products manufacturing
- 33990 Miscellaneous manufacturing (Not elsewhere listed in this category)
- 51200 Motion picture and sound recording (except Internet)
- 44100 Motor vehicle and parts dealers
- 71200 Museums, historical sites, and similar institutions
- 51110 Newspaper, periodical, book, and directory
- 45490 Nonstore retailers, except electronic shopping and mail-order houses
- 71100 Performing arts, spectator sports, and related industries
- 81200 Personal care, death care, laundry, and other personal services
- 51510 Radio and television broadcasting (except Internet)
- 81190 Repair and maintenance, except automotive
- 45990 Retail trade stores, including gasoline stations (Not elsewhere listed in this category)
- 32591 Soap, cleaning compound, and toilet preparations manufacturing
- 62400 Social assistance (except child day care services)
- 31300 Textile mill products
- 31220 Tobacco manufacturing
- 56150 Travel arrangement and reservation services
- 72100 Traveler accommodation services

Business segment codes for Question 2 (continued)

Energy

- 21210 Coal mining
- 22110 Electric power generation, transmission, and distribution
- 21100 Oil and gas extraction
- 33313 Oil and gas field machinery and equipment manufacturing
- 32400 Petroleum and coal products manufacturing
- 48610 Pipeline transportation of crude oil, refined petroleum, and miscellaneous products, except natural gas
- 48620 Pipeline transportation of natural gas
- 21300 Support activities for oil and gas operations

Financials

- 52230 Activities related to credit intermediation
- 52420 Agencies, brokerages, and other insurance related activities
- 52210 Depository credit intermediation
- 52500 Funds, trusts, and other financial vehicles
- 52410 Insurance carriers
- 52100 Monetary authorities-central bank
- 52220 Nondepository credit intermediation
- 53100 Real estate
- 52300 Securities, commodity contracts, and other financial investments and related activities

Health Care

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

Information Technology - Goods and services

- 33429 Communication equipment manufacturing, except broadcasting, wireless, and telephone apparatus
 - 54150 Computer systems design and related services
 - 33410 Computers and peripheral equipment manufacturing
 - 51820 Data processing, hosting, and related services
 - 33500 Electrical equipment, appliances, and components manufacturing
 - 51900 Information services (Not elsewhere listed in this category)
 - 51810 Internet service providers and web search portals
 - 33460 Manufacturing and reproducing magnetic and optical media manufacturing
 - 33459 Measuring and control instruments manufacturing (Not listed elsewhere in this category)
 - 33422 Radio and television broadcasting and wireless communications equipment manufacturing
- (continued)

Information Technology - Goods and services (continued)

- 33452 Search, detection, navigation, guidance, aeronautical, and nautical system and instruments manufacturing
- 33440 Semiconductor and other electronic components manufacturing
- 33321 Semiconductor machinery manufacturing
- 51120 Software
- 33421 Telephone apparatus manufacturing

Materials

- 32511 Basic chemicals manufacturing
- 32790 Cement, concrete, lime, gypsum, and other nonmetallic mineral product manufacturing
- 32710 Clay and glass products manufacturing
- 33150 Ferrous and nonferrous foundries
- 33110 Iron and steel mills, ferroalloy, and steel product from purchased steel
- 21220 Metal ore mining
- 33130 Nonferrous metals production and processing
- 21230 Nonmetallic mineral mining and quarrying
- 32592 Paint, adhesive, and other chemical manufacturing
- 32200 Paper manufacturing
- 32530 Pesticide, fertilizer, and other agricultural chemical manufacturing
- 32600 Plastics and rubber products manufacturing
- 32512 Resin, synthetic rubber, and artificial synthetic fibers and filaments manufacturing
- 32591 Soap, cleaning compound, and toilet preparations manufacturing
- 21310 Support activities for solid mineral operations
- 32100 Wood products manufacturing

Telecommunication Services

- 51750 Cable and other program distribution
- 51740 Satellite telecommunications
- 51790 Telecommunications services (Not listed elsewhere in this category)
- 51710 Wired telecommunications carriers
- 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

4. Did another company own more than 50 percent of your company during 2008?

Yes

Please enter the date your company was purchased and return the survey questionnaire.

Date: _____ → **Stop.**

No → Continue with next question

5. How many male and female employees worked at your company on March 12, 2008? (*Enter numbers*)

• Please include employees working both within the United States and in other countries

Males

Females

Total

STOP → If your company had 5 or more employees as of March 12, 2008, please stop now and return the questionnaire.

6. What year did you start your business? (*Check one.*)

2003 or earlier

2004

2005

2006

2007

2008

2009

Uncertain

Other (*Please specify*)

7. Was your company located in a science park during any of the first five years you were in business? (*Check one*)

Yes

No

Uncertain

Other (*Please specify*)

8. How much did your company spend on upgrading or purchasing equipment during 2008? (*Check one*)

None

Less than \$10,000

\$10,000 to \$100,000

\$100,001 to \$1 million

\$1.1 to \$5 million

\$5.1 to \$10 million

\$10.1 to \$25 million

\$25.1 to \$50 million

\$50.1 to \$100 million

More than \$100 million

Uncertain

[] Other (*Please specify*)

9. Did one or more academic institutions have an ownership stake in your company during 2008?
(*Check one*)

[] Yes

[] No

[] Uncertain

[] Other (*Please specify*)

10. During the last 5 years, did your company do any of the following? (*Check one for each row*)

	Yes	No	Uncertain	Other (<i>Please specify</i>)
a. Received funding from the federal government's small business innovation research program	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
b. Received venture capital funding	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
c. Hired academic consultants for short-term projects in science and engineering	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
d. Hosted student interns pursuing undergraduate or graduate degrees in science or engineering for at least one month	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
e. Hosted postdoctoral fellows in science or engineering for at least one month	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
f. Provided scientists or engineers from your company to serve as visiting scientists or engineers at a college or university for at least one month	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

Sales and development of goods and services

11. Did your company sell any goods or services during 2008? (*Check one*)

- Goods only
- Services only
- Both goods and services
- Neither
- Uncertain
- Other (*Please specify*)

12. What were your company's 2008 net sales and operating revenues including both domestic and foreign sales? (*Enter number; if none, enter zero.*)

Net sales and operating revenues are the value of goods and services sold during the year, net of discounts, returns, and allowances.

If none, check here and skip to Question 15, page 7

(Dollars in thousands)

\$

13. What percentage of your sales were goods (rather than services)? (*Check one*)

- 100 percent
- 91 to 99 percent
- 81 to 90 percent
- 71 to 80 percent
- 61 to 70 percent
- 51 to 60 percent
- 41 to 50 percent
- 31 to 40 percent
- 21 to 30 percent
- 11 to 20 percent
- 1 to 10 percent
- None
- Uncertain
- Other (*Please specify*)

14. What percent of your net sales and operating revenues for 2008 were domestic (sold in the United States and its territories)? (*Check one*)

- 100 percent
- 91 to 99 percent
- 81 to 90 percent
- 71 to 80 percent
- 61 to 70 percent
- 51 to 60 percent
- 41 to 50 percent
- 31 to 40 percent
- 21 to 30 percent
- 11 to 20 percent
- 1 to 10 percent
- None
- Uncertain
- Other (*Please specify*)

Improvements of Goods and Services

15. During the three-year period from 2006 to 2008, did your company work to significantly improve your existing goods, services, methods, logistics, or processes in any of the ways listed below? (Check all that apply.)

	(1) Goods	(2) Services	(3) Methods	(4) Logistics	(5) Processes	(6) Not in these years
a. Improved performance	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
b. More user-friendly	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
c. Cost reduction	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
d. New features	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
e. Other (Please specify.)	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

16. Did your company introduce any of the following during the three-year period from 2006 to 2008? (Check one for each row)

	Yes	No	Does not apply	Uncertain
a. New or significantly improved goods (excluding the simple resale of new goods purchased from others and changes of a solely aesthetic nature)	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
b. New or significantly improved services	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
c. New or significantly improved methods of manufacturing or producing goods or services	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
d. New or significantly improved logistics, delivery, or distribution methods for your inputs, goods or services	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
e. New or significantly improved supporting activities for your processes, such as maintenance systems or operations for purchasing, accounting, or computing	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

17. What percent of your company's sales in 2008 were from new or significantly improved goods (rather than services) developed during 2006 to 2008? (*Check one*)

If no sales of "new or significantly improved goods or services" in 2008, check here and skip to Question 22.

- None
- 1 to 10 percent
- 11 to 20 percent
- 21 to 30 percent
- 31 to 40 percent
- 41 to 50 percent
- 51 to 60 percent
- 61 to 70 percent
- 71 to 80 percent
- 81 to 90 percent
- 91 to 99 percent
- 100 percent
- Uncertain
- Other (*Please specify*)

18. What percent of your company's 2008 sales of new or significantly improved goods (rather than services) were sold to domestic customers rather than to foreign customers? (*Check one*)

- 100 percent
- 91 to 99 percent
- 81 to 90 percent
- 71 to 80 percent
- 61 to 70 percent
- 51 to 60 percent
- 41 to 50 percent
- 31 to 40 percent
- 21 to 30 percent
- 11 to 20 percent
- 1 to 10 percent
- None
- Uncertain
- Other (*Please specify*)

19. What percent of your company's sales in 2008 were from new or significantly improved services developed during 2006 to 2008? (*Check one*)

- None
- 1 to 10 percent
- 11 to 20 percent
- 21 to 30 percent
- 31 to 40 percent
- 41 to 50 percent
- 51 to 60 percent
- 61 to 70 percent
- 71 to 80 percent
- 81 to 90 percent
- 91 to 99 percent
- 100 percent
- Uncertain
- Other (*Please specify*)

20. What percent of your company's sales of new or significantly improved services during 2008 were sold to domestic customers rather than to foreign customers? (*Check one*)

- 100 percent
- 91 to 99 percent
- 81 to 90 percent
- 71 to 80 percent
- 61 to 70 percent
- 51 to 60 percent
- 41 to 50 percent
- 31 to 40 percent
- 21 to 30 percent
- 11 to 20 percent
- 1 to 10 percent
- None
- Uncertain
- Other (*Please specify*)

21. For any **new** goods or services sold during 2008, what made them new? (Check all that apply)

	(1) Goods	(2) Services
a. Improved performance	<input type="checkbox"/>	<input type="checkbox"/>
b. More user-friendly	<input type="checkbox"/>	<input type="checkbox"/>
c. Cost reduction	<input type="checkbox"/>	<input type="checkbox"/>
d. New features	<input type="checkbox"/>	<input type="checkbox"/>
e. Other (<i>Please specify.</i>)	<input type="checkbox"/>	<input type="checkbox"/>
f. Does not apply	<input type="checkbox"/>	<input type="checkbox"/>

22. How important was each of the following for increasing your company's technical knowledge during 2006 - 2008? (*Check one for each row*)

	Very important	Moderately important	Somewhat important	Not very important	Did not use/ Uncertain
a. Scientific publications and journals	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
b. Conferences, trade shows, or technical symposia	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
c. Other (<i>Please specify.</i>)	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

Patents and licensing

23. How many U.S. patents did your company apply for in 2008? (Enter number; if none, enter zero)

patents

If you answered zero to Question 23, check here and skip to Question 25.

24. Of the U.S. patents reported in previous question, how many of these patents fit each of the following statements? (Enter numbers; if none, enter zero.)

- | | Number |
|--|----------------------|
| a. We sought (or we will seek) patent protection for at least one of the same inventions in foreign patent systems/countries | <input type="text"/> |
| b. The invention originated outside our company's R&D activities | <input type="text"/> |

25. How many U.S. patents were issued to your company in 2008? (Enter number; if none, enter zero)

patents

26. How many U.S. patents did your company own as of December 31, 2008? (Enter number; if none, enter zero)

patents

27. For how many inventions do you expect to file patent applications during 2009? (Enter number; if none, enter zero.)

patents

28. In 2008, how much revenue, if any, did your company earn licensing your company's patents to other organizations? (dollars in thousands) (Enter number; if none, enter zero.)

Dollars in thousands

\$

29. How many new agreements did your company enter into during 2008 to **license patents to** other organizations? (Enter number; if none, enter zero.)

agreements

Intellectual property transfers

30. Did your company participate in the following activities relating to intellectual property in 2008? (Check one for each row)

	Yes	No	Uncertain	Other (Please specify)
a. Transferred intellectual property (patents, trade secrets, copyrights, etc.) to others using a technical assistance or “know-how” agreements	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
b. Received intellectual property from others using a technical assistance or “know-how” agreements	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
c. Participated in cross-licensing agreements to permit one party to use the invention that is the subject of one or more patents owned by the other party	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
d. Allowed free use of patents or other intellectual property owned by your company (for example, allowing free use of software patents by the open source community)	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
e. Made use of patents or other intellectual property that is available for free use, such as patents made available by the open source community	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

31. During 2008, how important were the following to protect your company's intellectual property? (Check one for each row)

	Very important	Moderately important	Somewhat important	Not very important	Uncertain
a. Utility patents (patents for inventions)	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
b. Design patents (patents for appearance)	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
c. Trademarks	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
d. Copyrights	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
e. Trade secrets	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

R&D

32. What was your company's total R&D expense for 2008 worldwide (both domestic and foreign)? (Enter number; if none, enter zero.)

R&D is planned, creative work aimed at discovering new knowledge or developing new or significantly improved goods or services. It does **not** include expenditures for:

- Routine quality control testing
- 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

(Dollars in thousands)

\$

34. How much of your company's R&D is related to the business code you selected on Page 1, Question 2? (Check one)

If no R&D in 2008, check here and skip to Question 48.

- All or almost all
- More than half
- About half
- Less than half
- Very little, if any
- None
- Uncertain
- Other (Please specify)

33. What is your company's projected R&D expense for 2009? (Enter number; if none, enter zero.)

(Dollars in thousands)

\$

35. How much of your company's purchases of new equipment (that is, your answer to Question 8) was used for R&D operations? (*Check one*)

- None
- 1 to 10 percent
- 11 to 20 percent
- 21 to 30 percent
- 31 to 40 percent
- 41 to 50 percent
- 51 to 60 percent
- 61 to 70 percent
- 71 to 80 percent
- 81 to 90 percent
- 91 to 99 percent
- 100 percent
- Uncertain
- Other (*Please specify*)

36. How would you characterize the R&D you conducted in 2008? (*Check one*)

- A one-time project
- Part of company's on-going R&D activity
- Other (*Please specify*)

37. Of the R&D expense reported in Question 32, what percentage was performed by your company? (*Check one*)

- None
- 1 to 10 percent
- 11 to 20 percent
- 21 to 30 percent
- 31 to 40 percent
- 41 to 50 percent
- 51 to 60 percent
- 61 to 70 percent
- 71 to 80 percent
- 81 to 90 percent
- 91 to 99 percent
- 100 percent
- Uncertain
- Other (*Please specify*)

38. How many of your company's male and female employees worked at least part of the time on R&D-related activities? (*Enter numbers*)

Males	<input type="text"/>
Females	<input type="text"/>
Total	<input type="text"/>

39. How many full-time equivalents (FTEs) did your company employ for 2008 R&D-related activities? (*Enter nearest whole number*)

<input type="text"/>	FTEs
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40. Were any of your employees during 2008 employed outside the United States? (*Check one*)

Note: Foreign employees are **not** included on IRS Form 941, Employer's Quarterly Federal Tax Return.

- Yes
- No
- Uncertain
- Other (*Please specify*)

41. Did any of your employees work on 2008 R&D activities supported by funding from the U.S. federal government? (*Check one*)

- Yes, all employee work was federally funded
- Yes, at least some employee work was federally funded
- No, no employee work was federally funded
- Uncertain
- Other (*Please specify*)

42. Of the costs for the 2008 R&D performed, what percent was spent on wages, salaries, and fringe benefits? (*Check one*)

- 100 percent
- 91 to 99 percent
- 81 to 90 percent
- 71 to 80 percent
- 61 to 70 percent
- 51 to 60 percent
- 41 to 50 percent
- 31 to 40 percent
- 21 to 30 percent
- 11 to 20 percent
- 1 to 10 percent
- None
- Uncertain
- Other (*Please specify*)

43. Was any of your company's 2008 R&D expense part of an R&D agreement with any of the following types of organizations? (*Check one for each row*)

	Yes	No	Uncertain	Other (Please specify)
a. Companies located <u>inside</u> the United States	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
b. Companies located <u>outside</u> the United States	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
c. U.S. federal government labs or agencies	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
d. Universities, colleges, and academic researchers, including individual principal investigators	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
e. Other nonprofit organizations and foundations	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
f. Foreign government agencies or laboratories	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
g. State and local governments	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
h. Other (<i>Please specify</i>)	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

→ If you did not mark "yes" for any of rows a to h, please skip to Question 45.

44. What percent of your company's 2008 R&D expense involved R&D agreements? (*Check one*)

- None
- 1 to 10 percent
- 11 to 20 percent
- 21 to 30 percent
- 31 to 40 percent
- 41 to 50 percent
- 51 to 60 percent
- 61 to 70 percent
- 71 to 80 percent
- 81 to 90 percent
- 91 to 99 percent
- 100 percent
- Uncertain
- Other (*Please specify*)

45. What percentage of your company's 2008 R&D was a) applied research, b) basic research, and c) development? (*Enter numbers*)

Applied research

 %

Applied research is research aimed at solving a specific problem or meeting a specific, recognized need.

Basic research

 %

Basic research is research aimed at acquiring new knowledge or understanding without a specific application or use in view

Development

 %

Development is the systematic use of knowledge gained from research that is used in the production of a useful goods, methods, or services.

Total

 %

46. Did any of your 2008 R&D expense involve the following types of applications? (*Check one for each row*)

	Yes	No	Uncertain	Other (Please specify)
a. Agriculture	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
b. Biotechnology	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
c. Defense	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
d. Energy	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
e. Environmental protection	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
f. Health/Medical	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
g. Nanotechnology	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

47. What percentage of your company's 2008 R&D expense was for projects with software products or software applications? (*Check one*)

- None
- 1 to 10 percent
- 11 to 20 percent
- 21 to 30 percent
- 31 to 40 percent
- 41 to 50 percent
- 51 to 60 percent
- 61 to 70 percent
- 71 to 80 percent
- 81 to 90 percent
- 91 to 99 percent
- 100 percent
- Uncertain
- Other (*Please specify*)

Reporting

48. Is the time period covered by this report a calendar year?

- Yes
- No → What is the time period covered?

From		To	
Month	Year	Month	Year

49. Please provide any comments or remarks below.

Thanks for your participation in this survey.