

Research and Development Module for 2018 ABS

1. R&D ACTIVITIES

During 2017, did this business do any of the following R&D activities? MARK ALL THAT APPLY

Include activities that:

- This business performed
 - Others paid this business to do
 - This business paid others to do
-
- a. Conducted activities aimed at acquiring new knowledge or understanding without specific immediate commercial applications or uses
 - b. Conducted activities aimed at acquiring new knowledge for solving a specific problem or meeting a specific commercial objective
 - c. Conducted 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. Developed and tested goods, services, or processes that were derived from scientific research or technical findings
 - e. Developed software that advanced scientific or technological knowledge
 - f. Produced findings that could be published in academic journals or presented at scientific conferences
 - g. Applied scientific or technical knowledge in a way that has never been done before
 - h. Created new scientific or technical solutions that can be generalized to other situations
 - i. Conducted work to discover previously unknown technological facts, structures, or relationships
 - j. Conducted work to extend the understanding of scientific facts, relationships, or principles in ways that could be useful to others

2. R&D COSTS

What was the total cost (both direct and indirect) in 2017 for all the R&D activities reported as “Yes” in the ‘R&D ACTIVITIES’ question? Your best estimate is acceptable.

Include the following costs:

- Salaries, wages, fringe benefits
- Plant, machinery, and equipment, except that which was capitalized because it had an alternative future use
- Materials, supplies, software
- Rent, utilities
- Consultants, contractors
- Depreciation expense from plant, machinery, and equipment that was capitalized because it had an alternative future use

Do not include:

- 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

Total costs for ‘R&D activities’ reported in the R&D Activities question for 2017

\$_____ 00

3. TYPES OF R&D COSTS

Of the total R&D amount reported in the ‘R&D COSTS’ question, what was the amount for the following types of costs?

- | | |
|--|-------|
| a. Salaries, wages, and fringe benefits | _____ |
| b. Expensed machinery and equipment (not capitalized) | _____ |
| c. Materials and supplies | _____ |
| d. Payments to business partners for collaborative R&D | _____ |
| e. Purchased R&D services | _____ |
| f. Depreciation on R&D property and equipment | _____ |
| g. All other costs (for example, consultants, contractors, travel, rent) | _____ |

4. FUNDING SOURCES FOR R&D ACTIVITIES:

Of the total R&D amount reported in the 'R&D COSTS' question, how much was paid for by the following sources?

- a. This U.S. business _____
- b. Your foreign owner (if the business is foreign owned) _____
- c. Another U.S. business _____
- d. Other businesses located outside the U.S. _____
- e. U.S. university or college _____
- f. U.S. non-profit organization _____
- g. U.S. Federal government (including R&D grants) _____
- h. U.S. State or Local government (not including state universities) _____
- i. All other organizations outside the U.S. _____

5. PERCENT PAID FOR R&D CONDUCTED BY OTHERS:

Of the R&D amount this business paid others to perform, what amount went to another U.S. business, a U.S. university or college, or another source?

- a. Another U.S. business _____
- b. U.S. university or college _____
- c. Other (specify) _____

6. R&D CATEGORIES:

Of the total R&D amount reported in the 'R&D COSTS' question, how much was for the following categories?

- a. Basic Research – activities aimed at acquiring new knowledge or understanding without specific immediate commercial applications or uses _____
- b. Applied Research – activities aimed at solving a specific problem or meeting a specific commercial objective _____
- c. Development – 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 _____

7. BUSINESS SALES

Please estimate the percentage of your business's total sales in 2018 from products (goods and services) that were, in the three years 2016 to 2018

	New or Improved Products		Unchanged Products (or with only minor changes)*		Total Sales in 2018
	--%	+		=	100%
If possible, separate sales from new or improved products between products	=				
Not previously offered by any of your competitors	--%				
	+				
Identical or very similar to products already offered by your competitors					

* Includes the resale of new products purchased from other enterprises.

8. R&D EMPLOYEES

For the pay period including March 12, 2017, how many employees from this business's foreign and domestic operations, were **R&D employees** and how many were **all other employees**?

R&D employees include all employees who work on R&D or who provide direct support to R&D, such as researchers, R&D managers, technicians, clerical staff, and others assigned to R&D groups. **Exclude** employees who provide only indirect support to R&D, such as corporate personnel, security guards, and cafeteria workers.

	(1)Domestic Operations	(2)Foreign Operations	(3)Total Employees
a. Female R&D employees	_____	_____	_____
b. Male R&D employees	_____	_____	_____
Total employees	_____	_____	_____
c. All other employees	_____	_____	_____
d. Total employees	_____	_____	_____

9. R&D EMPLOYEE OCCUPATIONS

For the pay period including March 12, 2017, how many of the total R&D Employees reported in the 'R&D EMPLOYEES' question worked in the occupations listed below?

	(1)Domestic Operations	(2)Foreign Operations	(3)Total Employees
a. Researchers (including R&D scientists, engineers, _____ and their managers) Number of Researchers with PhD (excluding MD, _____ JD, and EdD)	_____	_____	_____
b. R&D technicians and equivalent staff	_____	_____	_____
c. R&D support staff (clerical and other)	_____	_____	_____
d. Total R&D employees	_____	_____	_____