

Attachment C: Screenshots for the 2019 ABS Telephone Debriefing

Number of W-2 Paid Domestic Employees or Employee/Owners	
A.8 For the pay period including March 12, 2018, how many people worked for this business, including those paid through grants? <i>Include both full-time and part-time employees as well as yourself. Include only persons in the U.S. Count each person only once. If none, report zero.</i>	
	Number of People
a. Owners who received a W-2 issued by this business for salary or wages	<input type="text"/>
b. Employees who received a W-2 issued by this business for salary or wages	<input type="text"/>
Total	<input type="text"/>
<input type="button" value="Previous"/> <input type="button" value="Save & Continue"/>	
<input type="button" value="Main Menu"/>	

Number of Domestic Workers Who Did Not Receive a W-2

A.9 Not including employees or employee/owners included in the previous question how many other people worked for this business, including those through grants?
Include both full-time and part-time workers as well as yourself, if applicable. Include only persons in the U.S.

Count each person only once. If none, report zero.

Number of People

a. Individuals whose work was directed by this business who received payment in other ways (for example, contractors, consultants, temporary workers who receive a 1099 from this business or payment from another business)

b. Unpaid individuals who worked for the business (for example, friends, volunteers, family members)

Previous

Save & Continue

Main Menu

Types of Workers

A.13 In 2018, which of the following types of workers were used by this business?
Select all that apply.

- Full-time paid employees (workers who received a W-2)
- Part-time paid employees (workers who received a W-2)
- Paid day laborers
- Temporary staffing obtained from a temporary help service
- Leased employees from a leasing service or a professional employer organization
- Contractors, subcontractors, independent contractors, or outside consultants (workers who received a 1099 or payment from another company)
- None of the above

Previous

Save & Continue

Main Menu

New or Improved Goods or Services

C.1 During the three years 2016 to 2018, did this business introduce to the market any new or improved **goods** or **services** that differed significantly from the business's previous goods or services?

Select one for each row.

	Yes	No
a. Goods. (Exclude the simple resale of new goods and changes of a solely aesthetic nature.) A good is usually a tangible object such as a smartphone, furniture, or packaged software, but also include digital goods such as downloadable software, music and film.	<input type="radio"/>	<input type="radio"/>
b. Services. (Exclude the simple resale of new services.) A service is usually intangible, such as retailing, insurance, educational courses, air travel, consulting, etc., and also includes digital services.	<input type="radio"/>	<input type="radio"/>

Previous

Save & Continue

Main Menu

New or Improved Good or Services as a Percent of Total Sales

C.3 Using the definitions in the previous question, what percentage of this business's \$9,876,546,000 sales and revenues in 2018 were attributable to or originated from domestic operations:

a. New or improved goods and services introduced during 2016 to 2018 that were **new to your market.** %

b. New or improved goods and services introduced during 2016 to 2018 that were **new only to this business.** %

c. Goods and services that were unchanged or only marginally modified during 2016 to 2018 (include the resale of new goods or services purchased from other companies) %

Total sales in 2018 %

Previous

Save & Continue

Main Menu

New or Improved Business Processes

C.5 During the three years 2016 to 2018, did this business introduce any of the following types of new or improved **business processes** that differ significantly from your previous **business processes**?

	Yes	No
a. Methods for producing goods or providing services (including methods for developing goods or services)	<input type="radio"/>	<input type="radio"/>
b. Logistics, delivery or distribution methods	<input type="radio"/>	<input type="radio"/>
c. Marketing methods for promotion, packaging, pricing, product placement or after sales services	<input type="radio"/>	<input type="radio"/>
d. Information and communication systems (including hardware, software and data processing)	<input type="radio"/>	<input type="radio"/>
e. Administration and management activities (including decision-making human resource management, and methods for accounting or other administrative operations)	<input type="radio"/>	<input type="radio"/>
f. Product and business process development activities (including activities to identify, develop or adapt products or processes)	<input type="radio"/>	<input type="radio"/>

Previous

Save & Continue

Main Menu

Activities for New or Improved Products or Business Processes

C.7 During the three years 2016 to 2018, did this business have any of the following types of innovation activities?
Include all developmental, financial and commercial activities that were intended to result in a new or improved product or business process that differed significantly from your previous products or processes.

	Yes	No
a. Research and development: creative and systematic work undertaken in order to increase the stock of knowledge and to devise new applications of available knowledge	<input type="radio"/>	<input type="radio"/>
b. Engineering and design activities: planning of technical specifications, testing, evaluation, setup and pre-production for goods, services, processes or systems; installing equipment, tooling-up, testing, trials and user demonstrations; and activities to extract knowledge or design information from existing products or process equipment. Also includes activities to develop a new or modified function, form or appearance for goods services or processes	<input type="radio"/>	<input type="radio"/>
c. Marketing and brand equity activities: include market research, market testing, methods for pricing, product placement and product promotion; product advertising, the promotion of products at trade fairs or exhibitions and the development of marketing strategies	<input type="radio"/>	<input type="radio"/>
d. Intellectual Property (IP) related activities: protection or exploitation of knowledge, often created through R&D, software development, and engineering, design and other creative work, including all related administrative and legal work	<input type="radio"/>	<input type="radio"/>
e. Employee training: activities that are paid for or subsidized by the firm to develop knowledge and skills required for the specific trade, occupation or vocation of a firm's employees.	<input type="radio"/>	<input type="radio"/>
f. Software development and database activities: in-house development and purchase of computer software; collection and analysis of data in proprietary computer databases and data obtained from publicly-available reports or the Internet; and Activities to upgrade or expand the functions of IT systems, including computer program and databases.	<input type="radio"/>	<input type="radio"/>
g. Acquisition of machinery, equipment and other tangible assets	<input type="radio"/>	<input type="radio"/>
h. Management related to innovation: Activities to plan, govern and control internal and external resources	<input type="radio"/>	<input type="radio"/>

Previous

Save & Continue

Main Menu

Activity Costs

C.8 During 2018, how much did this business spend in total on all innovation activities combined, including:
Note that this question refers only to the year 2018 and not 2016 to 2018.

- **Research and development**
- **Engineering and design activities**
- **Marketing and brand equity activities**
- **Intellectual Property (IP) related activities**
- **Employee training**
- **Software development and database activities**
- **Aquisition of machinery, equipment and other tangible assets**
- **Management related to innovation**

Total \$,000

Previous

Save & Continue

Main Menu

R&D for Activity Costs

C.9 Of the \$0 innovation cost reported, how much was for **research and development** (creative and systematic work undertaken in order to increase the stock of knowledge and to devise new applications of available knowledge) in 2018?

R&D Innovation Costs

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Previous

Save & Continue

Main Menu

R&D Activities

D.1 During 2018, did this business do any of the following R&D activities?

Include activities that:

- This business performed
- Others paid this business to do
- This business paid others to do

	Yes	No
a. Conducted activities aimed at acquiring new knowledge or understanding without specific immediate commercial applications or uses	<input type="radio"/>	<input type="radio"/>
b. Conducted activities aimed at acquiring new knowledge for solving a specific problem or meeting a specific commercial objective	<input type="radio"/>	<input type="radio"/>
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	<input type="radio"/>	<input type="radio"/>
d. Developed and tested goods, services, or processes that were derived from scientific research or technical findings	<input type="radio"/>	<input type="radio"/>
e. Developed software that advanced scientific or technological knowledge	<input type="radio"/>	<input type="radio"/>
f. Produced findings that could be published in academic journals or presented at scientific conferences	<input type="radio"/>	<input type="radio"/>
g. Applied scientific or technical knowledge in a way that has never been done before	<input type="radio"/>	<input type="radio"/>
h. Created new scientific or technical solutions that can be generalized to other situations	<input type="radio"/>	<input type="radio"/>
i. Conducted work to discover previously unknown technological facts, structures, or relationships	<input type="radio"/>	<input type="radio"/>
j. Conducted work to extend the understanding of scientific facts, relationships, or principles in ways that could be useful to others	<input type="radio"/>	<input type="radio"/>

Previous

Save & Continue

Main Menu

R&D Employees

D.9 For the pay period including March 12, 2018, how many employees from this business's domestic operations, were R&D employees and how many were all other employees:
Include owners who receive a W-2. If none, report zero.

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.

Previously, you indicated this business had 195530864 W-2 employees and owner/employees.

a. How many of those employees and owner/employees were R&D employees?

b. Of the R&D employees, how many were female?

c. Of the R&D employees, how many were male?

Previous

Save & Continue

Main Menu

R&D Employee Occupations

D.10 Of this businesses R&D Employees how many were?
If none, report zero.

a. Researchers (including R&D scientists, engineers, and their managers)

b. R&D technicians and equivalent staff

c. R&D support staff (clerical and other)

d. Total R&D employees

e. Of the researchers reported in line a. how many had PhDs?

Previous

Save & Continue

Main Menu

Domestic R&D Employees Full Time Equivalent

D.11 What was the full time equivalent of the R&D employees?

For full-time R&D employees use the number of employees for the FTEs. For other full-time employees not working solely on R&D or part-time employees working on R&D use the share of full-time work week they work on R&D.

Total FTEs

Previous

Save & Continue

Main Menu

Domestic Researchers Full Time Equivalent

D.12 What was the full time equivalent of the 25 researchers?

Total FTEs

Previous

Save & Continue

Main Menu

Production Technology for Goods and Services

E.3 During the three years 2016 to 2018, to what extent did this business use the following technologies in production processes for goods or services?

Select one for each row.

a. Artificial Intelligence

- Did not use
- Tested, but did not use in production or service
- Low Use
- Moderate Use
- High Use
- Don't know

b. Cloud-based Computing Systems and Applications

- Did not use
- Tested, but did not use in production or service
- Low Use
- Moderate Use
- High Use
- Don't know

c. Specialized Software

- Did not use
- Tested, but did not use in production or service
- Low Use
- Moderate Use
- High Use
- Don't know

d. Robotics

- Did not use
- Tested, but did not use in production or service
- Low Use
- Moderate Use
- High Use
- Don't know

d. Robotics

- Did not use
- Tested, but did not use in production or service
- Low Use
- Moderate Use
- High Use
- Don't know

e. Specialized Equipment

- Did not use
- Tested, but did not use in production or service
- Low Use
- Moderate Use
- High Use
- Don't know

Previous

Save & Continue

Main Menu