



Follow-up to the Survey of Advanced Technology 2007

Please complete and return this form by March 31st, 2008

Confidential when completed

Si vous préférez recevoir ce questionnaire en français, veuillez appeler au 1-866-401-4640

Please correct any mistakes in name or address

Company name

Establishment name

C/O

Address

City

Province/Territory Postal code

Survey Objective

The objective of this survey is to gain insight into business units that develop new technologies. Your business unit has been identified as one that develops new technologies based on your responses to the Survey of Advanced Technology 2007.

Definitions

In this questionnaire we refer to both "your business unit" and "firm". By "your business unit" we refer to your establishment or local operations as described on the questionnaire label. By "firm" we refer to all related business units and operations in Canada and in other countries that make up the firm.

Coverage

Please complete this questionnaire for your business unit only as described on the questionnaire label, not your entire firm.

Confidentiality

Statistics Canada is prohibited by law from publishing any statistics which would divulge information obtained from this survey that relates to any identifiable business or institution

without the previous written consent of that business or institution. The data reported on this questionnaire will be treated in strict confidence, used for statistical purposes and published in aggregate form only. The confidentiality provisions of the *Statistics Act* are not affected by either the *Access to Information Act* or any other legislation.

Authority

This survey is conducted under the authority of the *Statistics Act*, 1985, Chapter S-19. Completion of this questionnaire is a legal requirement. Your participation is appreciated.

Planned Record Linkage

In order to enhance the analytical possibilities of this survey, Statistics Canada plans to combine the responses relating to your organization with information your organization provided on the Survey of Advanced Technology 2007, the Annual Survey of Manufactures and Logging, and with information from other surveys or from administrative records within Statistics Canada. The combined information will be kept strictly confidential and used only for statistical purposes.

Survey Contact

Please indicate the name of the person completing this questionnaire so we know who to contact should we have questions about this report.

Name of person completing questionnaire 0001 <input type="text"/>	Title 0002 <input type="text"/>
Telephone number 0003 (<input type="text"/> <input type="text"/> <input type="text"/>) <input type="text"/> - <input type="text"/> <input type="text"/>	E-mail 0004 <input type="text"/>



Assistance: If you have any questions regarding this survey or you need help to complete the questionnaire, please call 1-866-401-4640 or e-mail: sieidinfo@statcan.ca

To assist us in responding to your questions, please reference the number beginning with the letter "Q" on the questionnaire label.

Process of development of new technologies

Questions in this section will probe how new technologies are developed in your business unit.

1. How frequently is the development of new technologies carried out in your business unit?

Please check one option only

- Continuously 0100 1
- Occasionally 2

2. How is the development of new technologies carried out in your business unit?

Please check one option only

- It is part of a **formal** program of technology adoption 0200 1
- It is part of an **informal** program of technology adoption 2

3. How is the development of new technologies funded in your business unit?

Please check all that apply

- Development of new technologies is funded: internally 0301
- by customers 0302
- by suppliers 0303
- Other funding, please specify: 0304txt 0304

4. Please indicate which budget(s) are used to fund the development of new technologies in your business unit.

Please check all that apply

- There is a dedicated budget for each development project or program 0401
- It is part of the R&D budget 0402
- It is part of the innovation budget 0403
- It is part of the maintenance budget 0404
- Other budget, please specify: 0405txt 0405

5. Do you know of any other firms that have developed similar new technologies to the ones you have developed?

Yes No

- 0500 1 3

6. Does your business unit cooperate with other business units, firms, or institutions to develop new technologies?

Yes No

- 0600 1 3

➔ Please go to question 8

Cooperation is defined as active participation with other firms, other technology users or suppliers, organizations or individuals (other than those in your business unit). Contracting out, where there is no active participation is not considered cooperation.

7. Please indicate who your business unit cooperated with for the development of new technologies.

Please check all that apply

- Other business units within your firm 0701
- Suppliers of equipment, materials, components, or software 0702
- Clients or customers 0703
- Competitors or other firms in your sector 0704
- Consultants 0705
- Commercial labs or R&D enterprises 0706
- Universities or other higher education institutions 0707
- Colleges or technical institutes 0708
- Federal government laboratories or research institutes 0709
- Provincial or territorial government laboratories or research institutes 0710
- Private non-profit research institutes 0711
- Industrial associations 0712
- Other type of partner, *please specify:* 0713

Results of development of new technologies

Questions in this section will probe what happens to the knowledge and products that result from the development of new technologies.

8. Does your business unit share the new technologies that it has developed with other firms or institutions?

Yes No
0800 1 3

➔ **Please go to question 11**

Sharing is defined as intentionally allowing other firms or institutions to replicate or use the new technologies developed by your business unit.

9. How does your business unit share the new technologies that it has developed?

Please check all that apply

- At no charge 0901
- In exchange for something of value (i.e. free equipment) 0902
- For a fee..... 0903
- Other method, *please specify:* 0904

10. Please indicate the reasons why your business unit chose to share the new technologies that it developed.

Please check all that apply

- To allow a supplier to build a more suitable final product 1001
- To enhance your reputation in a specific area..... 1002
- To gain feedback and expertise from other firms to improve the new technology..... 1003
- As a result of a contractual obligation 1004
- There is nothing to lose by sharing (no direct competition) 1005
- Other reason, *please specify:* 1006

11. Does your business unit use any methods to protect the intellectual property resulting from the development of new technologies? Yes No
1100 1 3 → Please go to question 13

12. Please indicate which of the following methods are used by your business unit to protect the intellectual property resulting from the development of new technologies. Please check all that apply

Patents 1201

Trademarks 1202

Copyrights 1203

Confidentiality agreements 1204

Secrecy 1205

Other method, please specify: 1206

13. To the best of your knowledge, have any of the new technologies (or parts of them) developed by your business unit ever been adopted by the following:

Another manufacturing firm to produce and supply these new technologies? 1300 1 3

Other firms to use these new technologies? 1301 1 3

Cost of development of new technologies

Questions in this section will explore costs associated with the development of new technologies. Please answer the following three questions in reference to the most recently developed new technology by your business unit.

14. Please estimate the total cost of labour to develop the most recently developed new technology by your business unit. Canadian dollars
 (Please do not include cost of labour for training, commercialization or marketing for this most recently developed new technology by your business unit) 1400 \$

15. Please estimate the cost of machinery, equipment, and materials required to develop the most recently developed new technology by your business unit. Canadian dollars
 (Please include the cost to your business unit for the lease or rental of any equipment used to develop this most recently developed new technology) 1500 \$

16. Please estimate the elapsed time required to complete the development of the most recently developed new technology by your business unit. (Please do not include time spent training operators to use this most recently developed new technology) Please check one option only

1600

5 days or less 1 <input type="radio"/>	from 1 month to less than 2 months 4 <input type="radio"/>	from 1 year to less than 2 years 7 <input type="radio"/>
6 to 14 days 2 <input type="radio"/>	from 2 months to less than 6 months 5 <input type="radio"/>	from 2 years to less than 5 years 8 <input type="radio"/>
15 to 30 days 3 <input type="radio"/>	from 6 months to less than 1 year 6 <input type="radio"/>	More than 5 years 9 <input type="radio"/>

Please make a copy of your completed questionnaire for your records which may also be referenced if we need to follow-up with any specific issues. Please return the completed questionnaire in the enclosed return envelope.
Thank you very much for your participation.