

Small Business and Special Surveys Division



Geomatics Industry Survey, 2004

CONFIDENTIAL when completedCollected under authority of Statistics Act,
Revised Statutes of Canada, 1985, Chapter S19.

Please correct any errors on the label:

Establishment Legal Name:

Business Address:

City

Province:

Postal Code:



The purpose of this survey

Statistics Canada, in partnership with Natural Resources Canada, is conducting a survey to produce new statistical information on the firms engaged in geomatics activities in Canada. The data from this survey will be used by Natural Resources Canada to determine the competitive position of the industry and its needs in terms of federal government policies and programs.

Your participation is important and appreciated

This survey is conducted under the authority of the Statistics Act, Revised Statutes of Canada, 1985, Chapter S19. Completion of this questionnaire is mandatory.

The data you report are confidential

Statistics Canada is prohibited by law from publishing or releasing statistics that could reveal individual information obtained from this survey. The data reported on the questionnaire will be treated in strict confidence and used for statistical purposes only. The confidentiality provisions of the *Statistics Act* are not affected by either the Access to Information Act or any other legislation.

Data Sharing agreement

Statistics Canada has entered into a data sharing agreement under Section 12 of the *Statistics Act* with Natural Resources Canada for the sharing of information from this survey. Natural Resources Canada will not be given your name, address or identifying information. They will keep the information confidential and use it only for statistical purposes. Under Section 12, you may refuse to share your information by writing to the Chief Statistician of Canada and returning your letter of objection along with your completed questionnaire.

Completion and Return

Please complete and return within 20 days of receipt of this questionnaire in the accompanying self addressed pre-paid envelope. If you require assistance in the completion of this questionnaire, contact the Small Business and Special Surveys Division at 1-866-888-0379, by fax at 1-866-222-6023 or by e-mail to sbss-info@statcan.ca.

Please complete the following information

Name of Respondent:

Title / Position:

Telephone Number:

Fax:

 | ext.: - -

E-mail

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Geomatics is the science and technology of activities, products or services involved in:

- *the collection, integration, interpretation, analysis and management of location based data (geospatial data); and*
- *the development of tools to support those activities.*

Main business activities

1. Please indicate the extent to which your establishment is involved in the following geomatics activities (Jan. 1, 2004 to Dec. 31, 2004 or your fiscal year which includes the largest part of 2004).

Geomatics activities	Main/Core Activity	Secondary Activity	Not Applicable
a. Surveying (cadastral, land, hydrographic, geophysical, topographic, engineering, mining, marine, etc.)	<input type="radio"/> O ₁	<input type="radio"/> O ₂	<input type="radio"/> O ₃
b. Mapping and cartography (photogrammetry, charting, geophysical, etc.)	<input type="radio"/> O ₁	<input type="radio"/> O ₂	<input type="radio"/> O ₃
c. Geodesy, Navigation and Positioning (including Global Positioning System (GPS))	<input type="radio"/> O ₁	<input type="radio"/> O ₂	<input type="radio"/> O ₃
d. Remote sensing (airborne, satellite, radar, lidar, etc.)	<input type="radio"/> O ₁	<input type="radio"/> O ₂	<input type="radio"/> O ₃
e. Geospatial data management (including Geographical Information System (GIS))	<input type="radio"/> O ₁	<input type="radio"/> O ₂	<input type="radio"/> O ₃
f. Geomatics consulting services	<input type="radio"/> O ₁	<input type="radio"/> O ₂	<input type="radio"/> O ₃
g. Development of customized geospatial software	<input type="radio"/> O ₁	<input type="radio"/> O ₂	<input type="radio"/> O ₃
h. Other geomatics areas: Please specify _____	<input type="radio"/> O ₁	<input type="radio"/> O ₂	<input type="radio"/> O ₃

Employee profile

2. Please report the average number of persons usually employed by this establishment during the reporting period. (Jan. 1, 2004 to Dec. 31, 2004 or your fiscal year which included the largest part of 2004)

	Number of Persons
a. Proprietors and partners who are owners of this company	1
b. Full-time employees (worked 30 or more hours per week)	2
c. Part-time employees (worked less than 30 hours per week)	3
d. Contract workers, consultants, co-op students hired during the year	4
e. Volunteers and unpaid staff	5
TOTAL EMPLOYMENT (sum of a. to e.)	6

3. Please estimate the percentage of your establishment's employees who spent any time in the production/provision of geomatics products or services. Your best estimate is acceptable.

%

4. What percentage of your establishment's employees work in each of the following areas?

Geomatics activities	Percentage
a. Surveying (cadastral, land, hydrographic, geophysical, topographic, engineering, mining, marine, etc.)	1
b. Mapping and cartography (photogrammetry, charting, geophysical, etc.)	2
c. Geodesy, Navigation and Positioning (including GPS)	3
d. Remote sensing (airborne, satellite, radar, lidar, etc.)	4
e. Geospatial data management (including GIS)	5
f. Geomatics consulting services	6
g. Development of customized geospatial software	7
h. Other geomatics areas. Please specify: _____	8
Non-geomatics activities	9

100%

5. Does your establishment have difficulties hiring employees with appropriate geomatics skills?1 Yes 2 No 3 Not applicable

6. In your opinion, does Canada have a shortage of people with appropriate geomatics skills?

1 Yes 2 No 3 Don't know7. In your opinion, do you believe that the geomatics industry has difficulties keeping skilled employees in Canada?1 Yes 2 No 3 Don't know8. Please indicate the number of employees with the following levels of education. Please only indicate the highest level attained.

	Number of Geomatics Employees	Number of Non-Geomatics Employees
a. Did not complete high school		
b. High school		
c. College diploma		
d. University degree (bachelor, master, doctorate)		

Revenues

9. Please report this establishment's **GROSS** revenues, as well as those revenues attributed to the sale of **GEOMATICS** products or services.

Year	Gross Revenues (\$ CDN)	Geomatics Revenues (\$ CDN)
2004		
2003		
2002		

10. How much of your GROSS revenues in 2004 was attributed to each of the following Geomatics products or services?

Geomatics activities	(\$ CDN)
a. Surveying (cadastral, land, hydrographic, geophysical, topographic, engineering, mining, marine, etc.)	1
b. Mapping and cartography (photogrammetry, charting, geophysical, etc.)	2
c. Geodesy, Navigation and Positioning (including GPS)	3
d. Remote sensing (airborne, satellite, radar, lidar, etc.)	4
e. Geospatial data management (including GIS)	5
f. Geomatics consulting services	6
g. Development of customized geospatial software	7
h. Other geomatics areas. Please specify: _____	8
Non-geomatics activities	9

Location of Clients

11. Please report the percentage of this establishment's 2004 GROSS revenues reported in Question 9 according to the location of the client to whom any products or services were delivered. Your best estimate is acceptable.

Within Canada	Percentage
Newfoundland and Labrador	1
Prince Edward Island	2
Nova Scotia	3
New Brunswick	4
Quebec	5
Ontario	6
Manitoba	7
Saskatchewan	8
Alberta	9
British Columbia	10
Yukon Territory, Northwest Territories, and Nunavut	11
Outside Canada (exports)	
United States	12
Mexico	13
Central America	14
South America	15
Europe	16
Africa	17
Middle East	18
Australia, New Zealand	19
China	20
India	21
Other Asian countries	22
All other countries	23

TOTAL REVENUES

100%

If your Geomatics revenues equalled your Gross revenues in Question 9, please go to Question 13

12. Please report the percentage of this establishment's 2004 **GEOMATICS** revenues according to the location of the client to whom the geomatics products or services were delivered. *Your best estimate is acceptable.*

Within Canada	Percentage
Newfoundland and Labrador	1
Prince Edward Island	2
Nova Scotia	3
New Brunswick	4
Quebec	5
Ontario	6
Manitoba	7
Saskatchewan	8
Alberta	9
British Columbia	10
Yukon Territory, Northwest Territories, and Nunavut	11
Outside Canada (exports)	
United States	12
Mexico	13
Central America	14
South America	15
Europe	16
Africa	17
Middle East	18
Australia, New Zealand	19
China	20
India	21
Other Asian countries	22
All other countries	23

TOTAL REVENUES

100%

13. Please report the percentage of this establishment's 2004 **GEOMATICS** revenues according to the following **sectors** to which the geomatics products or services were sold. *Your best estimate is acceptable.*

Sector	Percentage
a. Individuals and households	1
b. Business sector	2
c. All levels of governments and public institutions (hospitals, schools, etc.)	3
d. Non-governmental organizations (NGOs)	4
e. Other, please specify _____	5

100%

14. Please report the percentage of this establishment's 2004 **GEOMATICS** revenues according to the following **industries** to which the geomatics products or services were sold. *Your best estimate is acceptable.*

Industry	Percentage
a. Agriculture	1
b. Forestry	2
c. Fisheries	3
d. Oil and Gas	4
e. Geology and mining	5
f. Environment	6
g. Property (including Housing)	7
h. Engineering and construction	8
i. Transportation	9
j. Utilities	10
k. Health	11
l. Emergency preparedness and defence	12
m. Commerce (Retail trade or wholesale trade)	13
n. Education	14
o. Marine applications (seabed mapping etc.)	15
p. Space	16
q. Other, please specify _____	17

100%

If you do not export products or services outside of Canada, please go to Question 16

Exports

15. Please indicate to which of the following countries or regions your geomatics products or services were exported.

Country or region	Surveying	Mapping and Cartography	Geodesy, Navigation and Positioning	Remote sensing	Geospatial data management	Geomatics Consulting services	Development of customized geospatial software	Other geomatics activities
a. United States	<input type="radio"/> 1	<input type="radio"/> 2	<input type="radio"/> 3	<input type="radio"/> 4	<input type="radio"/> 5	<input type="radio"/> 6	<input type="radio"/> 7	<input type="radio"/> 8
b. Mexico	<input type="radio"/> 1	<input type="radio"/> 2	<input type="radio"/> 3	<input type="radio"/> 4	<input type="radio"/> 5	<input type="radio"/> 6	<input type="radio"/> 7	<input type="radio"/> 8
c. Central America	<input type="radio"/> 1	<input type="radio"/> 2	<input type="radio"/> 3	<input type="radio"/> 4	<input type="radio"/> 5	<input type="radio"/> 6	<input type="radio"/> 7	<input type="radio"/> 8
d. South America	<input type="radio"/> 1	<input type="radio"/> 2	<input type="radio"/> 3	<input type="radio"/> 4	<input type="radio"/> 5	<input type="radio"/> 6	<input type="radio"/> 7	<input type="radio"/> 8
e. Europe	<input type="radio"/> 1	<input type="radio"/> 2	<input type="radio"/> 3	<input type="radio"/> 4	<input type="radio"/> 5	<input type="radio"/> 6	<input type="radio"/> 7	<input type="radio"/> 8
f. Africa	<input type="radio"/> 1	<input type="radio"/> 2	<input type="radio"/> 3	<input type="radio"/> 4	<input type="radio"/> 5	<input type="radio"/> 6	<input type="radio"/> 7	<input type="radio"/> 8
g. Middle East	<input type="radio"/> 1	<input type="radio"/> 2	<input type="radio"/> 3	<input type="radio"/> 4	<input type="radio"/> 5	<input type="radio"/> 6	<input type="radio"/> 7	<input type="radio"/> 8
h. Australia, New Zealand	<input type="radio"/> 1	<input type="radio"/> 2	<input type="radio"/> 3	<input type="radio"/> 4	<input type="radio"/> 5	<input type="radio"/> 6	<input type="radio"/> 7	<input type="radio"/> 8
i. China	<input type="radio"/> 1	<input type="radio"/> 2	<input type="radio"/> 3	<input type="radio"/> 4	<input type="radio"/> 5	<input type="radio"/> 6	<input type="radio"/> 7	<input type="radio"/> 8
j. India	<input type="radio"/> 1	<input type="radio"/> 2	<input type="radio"/> 3	<input type="radio"/> 4	<input type="radio"/> 5	<input type="radio"/> 6	<input type="radio"/> 7	<input type="radio"/> 8
k. Other Asian countries	<input type="radio"/> 1	<input type="radio"/> 2	<input type="radio"/> 3	<input type="radio"/> 4	<input type="radio"/> 5	<input type="radio"/> 6	<input type="radio"/> 7	<input type="radio"/> 8
l. Any other regions (specify) _____	<input type="radio"/> 1	<input type="radio"/> 2	<input type="radio"/> 3	<input type="radio"/> 4	<input type="radio"/> 5	<input type="radio"/> 6	<input type="radio"/> 7	<input type="radio"/> 8

Expenses

16. Please report the following expenses incurred by this establishment between Jan. 1, 2004 to Dec. 31, 2004 or for your fiscal year which included the largest part of 2004. Your best estimates are acceptable.

EXPENSES	(\$ CDN)
a. Total salaries and wages of employees before deductions.	
b. Employer portion of employee benefits <i>Include:</i> contributions to insurance plans, employment insurance, private or public (CPP, QPP) pension contributions, workers' compensation, retiring allowances)	
c. Total labour remuneration (sum of a and b)	(\$ CDN)
d. Telephone and other telecommunications	
e. Rental and leasing <i>Include:</i> office space or other real estate, vehicles, computers, other equipment	
f. Energy expenses (e.g., gas, oil, electricity, water)	
g. Purchased maintenance and repair services <i>Include:</i> All expenses related to the repair and maintenance of buildings, structures, machinery and equipment	
h. Geomatics work sub-contracted to others firms (either individual contractors or business firms)	
i. Architectural, engineering, consulting fees and other professional and business service fees (<i>including legal fees, accounting fees</i>)	
j. Insurance (<i>including liability insurance, vehicle insurance, property and all other casualty insurance coverage</i>)	
k. Advertising, marketing expenses	
l. Travel and transportation, meals and hospitality	
m. Depreciation and amortization	
n. All other operating expenses (<i>e.g. employment agency payments, royalty and franchise fees, research and development, office supplies, etc.</i>)	
o. Total operating expenses (sum of c to n above)	
p. Other expenses (<i>e.g. interest expenses on capital lease obligations plus all other miscellaneous interest expenses such as interest on loans</i>)	
q. Total expenses (sum of o and p above)	

17. Between 2002 and 2004, please report the approximate percentage of your total expenses that were associated with **the purchase and/or lease of technological goods**. *Include the following items: specialized or industry specific equipment, geomatics technology (e.g. pen computing, mobile computing, field devices, tablets, pockets, GPS devices, etc.), purchase of computer hardware components, computer software, lease contracts of technological goods, etc.*

%

Research and Development

- Research and Development (R&D) is systematic investigation carried out in the natural and engineering sciences by means of experiment or analysis to achieve a scientific or technological advance.
- Generally speaking, R&D is intended to result in an invention which may subsequently become a technological innovation. An essential requirement is that the outcome of the work is uncertain (i.e. that the possibility of obtaining a given technical objective cannot be known in advance on the basis of current knowledge or experience).

18. Between 2002 and 2004, on average, how much was spent on R&D (internally and externally) by your establishment per year?

a. Total R&D expenditures (\$ CDN)

b. Geomatics R&D expenditures (\$ CDN)

If this establishment spends no money on R&D, please go to Question 24

19. How much funding (including grants, tax credits, programs, etc.) did your establishment receive from the federal, provincial or municipal governments for all R&D in 2004?

(\$ CDN)

20. Please report the sources of funding for all of your establishment's R&D activities.

Sources of funding	High	Medium	Low
a. Parent, affiliated or subsidiary firms	<input type="radio"/> ₁	<input type="radio"/> ₂	<input type="radio"/> ₃
b. Canadian federal government (grants, tax credits, contracts, etc.)	<input type="radio"/> ₁	<input type="radio"/> ₂	<input type="radio"/> ₃
c. Provincial/territorial government	<input type="radio"/> ₁	<input type="radio"/> ₂	<input type="radio"/> ₃
d. R&D contract work conducted for other firms	<input type="radio"/> ₁	<input type="radio"/> ₂	<input type="radio"/> ₃
e. Universities	<input type="radio"/> ₁	<input type="radio"/> ₂	<input type="radio"/> ₃
f. Other, specify: _____	<input type="radio"/> ₁	<input type="radio"/> ₂	<input type="radio"/> ₃

21. Please indicate the extent to which each of the following geomatics activities accounted for your establishment's overall R&D expenditures.

Geomatics activities	High	Medium	Low
a. Surveying (cadastral, land, hydrographic, geophysical, topographic, engineering, mining, marine, etc.)	<input type="radio"/> ₁	<input type="radio"/> ₂	<input type="radio"/> ₃
b. Mapping and cartography (photogrammetry, charting, geophysical, etc.)	<input type="radio"/> ₁	<input type="radio"/> ₂	<input type="radio"/> ₃
c. Geodesy, Navigation and Positioning (including Global Positioning System, GPS)	<input type="radio"/> ₁	<input type="radio"/> ₂	<input type="radio"/> ₃
d. Remote sensing (airborne, satellite, radar, lidar, etc.)	<input type="radio"/> ₁	<input type="radio"/> ₂	<input type="radio"/> ₃
e. Geospatial data management (including Geographical Information System, GIS)	<input type="radio"/> ₁	<input type="radio"/> ₂	<input type="radio"/> ₃
f. Geomatics consulting services	<input type="radio"/> ₁	<input type="radio"/> ₂	<input type="radio"/> ₃
g. Development of customized geospatial software	<input type="radio"/> ₁	<input type="radio"/> ₂	<input type="radio"/> ₃
h. Other geomatics areas: Please specify _____	<input type="radio"/> ₁	<input type="radio"/> ₂	<input type="radio"/> ₃

22. Please indicate how all R&D activities were carried out. *Please check all that apply.*

- 1 R&D carried out in-house
- 2 R&D contracted out to other firms or research institutions (i.e. private firms or universities)
- 3 R&D carried out jointly with other firms or research institutions (i.e. private firms or universities)
- 4 R&D carried out jointly with any level of government

23. Please estimate the percentage of the full-time employees in your establishment who were involved in any R&D in 2004.

 %

Innovation

There are two types of innovation: *Product Innovation* and *Process Innovation*.

Product Innovation occurs whenever a *new product* or a *significantly improved product* is introduced. A *new product (good or service)* is a product new to your establishment whose characteristics or intended uses differ significantly from those of your establishment's previously produced products. A *significantly improved product (good or service)* is an existing product whose performance has been significantly enhanced or upgraded. Minor or routine changes to products are not to be included.

24. During the last three years, 2002 to 2004, did your establishment introduce into the market any new or significantly improved products?

Yes No

Process Innovation includes new and significantly improved processes as well as new or significantly improved ways of supplying services and delivering products which are new to your establishment. The outcome should be significant with respect to the level of output, quality of products (goods or services) or costs of production and distribution. Minor or routine changes to processes are not to be included.

25. During the last three years, 2002 to 2004, did your establishment introduce any new or significantly improved processes (including improved ways of delivering goods or services)?

Yes No

Obstacles

26. For this establishment, to what extent are the following items obstacles to growth?

Obstacles	Extent of importance			
	High	Medium	Low	Not relevant
a. Lack of market demand	<input type="radio"/> ₁	<input type="radio"/> ₂	<input type="radio"/> ₃	<input type="radio"/> ₀
b. Lack of marketing capabilities	<input type="radio"/> ₁	<input type="radio"/> ₂	<input type="radio"/> ₃	<input type="radio"/> ₀
c. Lack of skilled personnel	<input type="radio"/> ₁	<input type="radio"/> ₂	<input type="radio"/> ₃	<input type="radio"/> ₀
d. Absence of standards	<input type="radio"/> ₁	<input type="radio"/> ₂	<input type="radio"/> ₃	<input type="radio"/> ₀
e. Access to capital/financing	<input type="radio"/> ₁	<input type="radio"/> ₂	<input type="radio"/> ₃	<input type="radio"/> ₀
f. Access to data	<input type="radio"/> ₁	<input type="radio"/> ₂	<input type="radio"/> ₃	<input type="radio"/> ₀
g. Pricing of data	<input type="radio"/> ₁	<input type="radio"/> ₂	<input type="radio"/> ₃	<input type="radio"/> ₀
h. Cost of doing business internationally	<input type="radio"/> ₁	<input type="radio"/> ₂	<input type="radio"/> ₃	<input type="radio"/> ₀
i. Cost of technology	<input type="radio"/> ₁	<input type="radio"/> ₂	<input type="radio"/> ₃	<input type="radio"/> ₀
j. Government regulation, policies	<input type="radio"/> ₁	<input type="radio"/> ₂	<input type="radio"/> ₃	<input type="radio"/> ₀
k. Trade Barriers, provincial (including non-tariff)	<input type="radio"/> ₁	<input type="radio"/> ₂	<input type="radio"/> ₃	<input type="radio"/> ₀
l. Trade Barriers, international (including non-tariff)	<input type="radio"/> ₁	<input type="radio"/> ₂	<input type="radio"/> ₃	<input type="radio"/> ₀
m. Subsidized competition from abroad	<input type="radio"/> ₁	<input type="radio"/> ₂	<input type="radio"/> ₃	<input type="radio"/> ₀
n. Other, please specify: _____	<input type="radio"/> ₁	<input type="radio"/> ₂	<input type="radio"/> ₃	<input type="radio"/> ₀

27. For this establishment, to what extent are the following items obstacles in carrying out **R&D or innovation?**

Obstacles	Extent of importance			
	High	Medium	Low	Not relevant
a. Lack of market demand	<input type="radio"/> ₁	<input type="radio"/> ₂	<input type="radio"/> ₃	<input type="radio"/> ₀
b. Lack of marketing capabilities	<input type="radio"/> ₁	<input type="radio"/> ₂	<input type="radio"/> ₃	<input type="radio"/> ₀
c. Lack of skilled personnel	<input type="radio"/> ₁	<input type="radio"/> ₂	<input type="radio"/> ₃	<input type="radio"/> ₀
d. Absence of standards	<input type="radio"/> ₁	<input type="radio"/> ₂	<input type="radio"/> ₃	<input type="radio"/> ₀
e. Access to capital/financing	<input type="radio"/> ₁	<input type="radio"/> ₂	<input type="radio"/> ₃	<input type="radio"/> ₀
f. Access to data	<input type="radio"/> ₁	<input type="radio"/> ₂	<input type="radio"/> ₃	<input type="radio"/> ₀
g. Pricing of data	<input type="radio"/> ₁	<input type="radio"/> ₂	<input type="radio"/> ₃	<input type="radio"/> ₀
h. Cost of doing business internationally	<input type="radio"/> ₁	<input type="radio"/> ₂	<input type="radio"/> ₃	<input type="radio"/> ₀
i. Cost of technology	<input type="radio"/> ₁	<input type="radio"/> ₂	<input type="radio"/> ₃	<input type="radio"/> ₀
j. Government regulation, policies	<input type="radio"/> ₁	<input type="radio"/> ₂	<input type="radio"/> ₃	<input type="radio"/> ₀
k. Trade Barriers, provincial (including non-tariff)	<input type="radio"/> ₁	<input type="radio"/> ₂	<input type="radio"/> ₃	<input type="radio"/> ₀
l. Trade Barriers, international (including non-tariff)	<input type="radio"/> ₁	<input type="radio"/> ₂	<input type="radio"/> ₃	<input type="radio"/> ₀
m. Subsidized competition from abroad	<input type="radio"/> ₁	<input type="radio"/> ₂	<input type="radio"/> ₃	<input type="radio"/> ₀
n. Other, please specify: _____	<input type="radio"/> ₁	<input type="radio"/> ₂	<input type="radio"/> ₃	<input type="radio"/> ₀

28. To what extent are the following items obstacles for this establishment in **exporting geomatics products or services?**

Obstacles	Extent of importance			
	High	Medium	Low	Not relevant
a. Lack of market demand	<input type="radio"/> ₁	<input type="radio"/> ₂	<input type="radio"/> ₃	<input type="radio"/> ₀
b. Lack of marketing capabilities	<input type="radio"/> ₁	<input type="radio"/> ₂	<input type="radio"/> ₃	<input type="radio"/> ₀
c. Lack of skilled personnel	<input type="radio"/> ₁	<input type="radio"/> ₂	<input type="radio"/> ₃	<input type="radio"/> ₀
d. Absence of standards	<input type="radio"/> ₁	<input type="radio"/> ₂	<input type="radio"/> ₃	<input type="radio"/> ₀
e. Access to capital/financing	<input type="radio"/> ₁	<input type="radio"/> ₂	<input type="radio"/> ₃	<input type="radio"/> ₀
f. Access to data	<input type="radio"/> ₁	<input type="radio"/> ₂	<input type="radio"/> ₃	<input type="radio"/> ₀
g. Pricing of data	<input type="radio"/> ₁	<input type="radio"/> ₂	<input type="radio"/> ₃	<input type="radio"/> ₀
h. Cost of doing business internationally	<input type="radio"/> ₁	<input type="radio"/> ₂	<input type="radio"/> ₃	<input type="radio"/> ₀
i. Cost of technology	<input type="radio"/> ₁	<input type="radio"/> ₂	<input type="radio"/> ₃	<input type="radio"/> ₀
j. Government regulation, policies	<input type="radio"/> ₁	<input type="radio"/> ₂	<input type="radio"/> ₃	<input type="radio"/> ₀
k. Trade Barriers, provincial (including non-tariff)	<input type="radio"/> ₁	<input type="radio"/> ₂	<input type="radio"/> ₃	<input type="radio"/> ₀
l. Trade Barriers, international (including non-tariff)	<input type="radio"/> ₁	<input type="radio"/> ₂	<input type="radio"/> ₃	<input type="radio"/> ₀
m. Subsidized competition from abroad	<input type="radio"/> ₁	<input type="radio"/> ₂	<input type="radio"/> ₃	<input type="radio"/> ₀
n. Other, please specify _____	<input type="radio"/> ₁	<input type="radio"/> ₂	<input type="radio"/> ₃	<input type="radio"/> ₀

Growth Areas

29. In your opinion, what are the geomatics industry's growth prospects for the following geomatics activities within the next 5 years?

Geomatics activities	Extent of growth				
	High Growth	Some Growth	No growth	Decline	Don't Know
a. Surveying (cadastral, land, hydrographic, geophysical, topographic, engineering, mining, marine, etc.)	<input type="radio"/> ₁	<input type="radio"/> ₂	<input type="radio"/> ₃	<input type="radio"/> ₄	<input type="radio"/> ₅
b. Mapping and cartography (photogrammetry, charting, geophysical, etc.)	<input type="radio"/> ₁	<input type="radio"/> ₂	<input type="radio"/> ₃	<input type="radio"/> ₄	<input type="radio"/> ₅
c. Geodesy, Navigation and Positioning (including GPS)	<input type="radio"/> ₁	<input type="radio"/> ₂	<input type="radio"/> ₃	<input type="radio"/> ₄	<input type="radio"/> ₅
d. Remote sensing (airborne, satellite, radar, lidar, etc.)	<input type="radio"/> ₁	<input type="radio"/> ₂	<input type="radio"/> ₃	<input type="radio"/> ₄	<input type="radio"/> ₅
e. Geospatial data management (including GIS)	<input type="radio"/> ₁	<input type="radio"/> ₂	<input type="radio"/> ₃	<input type="radio"/> ₄	<input type="radio"/> ₅
f. Geomatics consulting services	<input type="radio"/> ₁	<input type="radio"/> ₂	<input type="radio"/> ₃	<input type="radio"/> ₄	<input type="radio"/> ₅
g. Development of customized geospatial software	<input type="radio"/> ₁	<input type="radio"/> ₂	<input type="radio"/> ₃	<input type="radio"/> ₄	<input type="radio"/> ₅
h. Other geomatics areas: Please specify: _____	<input type="radio"/> ₁	<input type="radio"/> ₂	<input type="radio"/> ₃	<input type="radio"/> ₄	<input type="radio"/> ₅

30. In your opinion, what are the geomatics industry's growth prospects for geomatics products or services in the following regions over the next 5 years?

Regions	Extent of growth				
	High Growth	Some Growth	No growth	Decline	Don't Know
a. Within Canada	<input type="radio"/> ₁	<input type="radio"/> ₂	<input type="radio"/> ₃	<input type="radio"/> ₄	<input type="radio"/> ₅
b. United States	<input type="radio"/> ₁	<input type="radio"/> ₂	<input type="radio"/> ₃	<input type="radio"/> ₄	<input type="radio"/> ₅
c. Mexico	<input type="radio"/> ₁	<input type="radio"/> ₂	<input type="radio"/> ₃	<input type="radio"/> ₄	<input type="radio"/> ₅
d. Central America	<input type="radio"/> ₁	<input type="radio"/> ₂	<input type="radio"/> ₃	<input type="radio"/> ₄	<input type="radio"/> ₅
e. South America	<input type="radio"/> ₁	<input type="radio"/> ₂	<input type="radio"/> ₃	<input type="radio"/> ₄	<input type="radio"/> ₅
f. Europe	<input type="radio"/> ₁	<input type="radio"/> ₂	<input type="radio"/> ₃	<input type="radio"/> ₄	<input type="radio"/> ₅
g. Africa	<input type="radio"/> ₁	<input type="radio"/> ₂	<input type="radio"/> ₃	<input type="radio"/> ₄	<input type="radio"/> ₅
h. Middle East	<input type="radio"/> ₁	<input type="radio"/> ₂	<input type="radio"/> ₃	<input type="radio"/> ₄	<input type="radio"/> ₅
i. Australia, New Zealand	<input type="radio"/> ₁	<input type="radio"/> ₂	<input type="radio"/> ₃	<input type="radio"/> ₄	<input type="radio"/> ₅
j. China	<input type="radio"/> ₁	<input type="radio"/> ₂	<input type="radio"/> ₃	<input type="radio"/> ₄	<input type="radio"/> ₅
k. India	<input type="radio"/> ₁	<input type="radio"/> ₂	<input type="radio"/> ₃	<input type="radio"/> ₄	<input type="radio"/> ₅
l. Other Asian countries	<input type="radio"/> ₁	<input type="radio"/> ₂	<input type="radio"/> ₃	<input type="radio"/> ₄	<input type="radio"/> ₅
m. All other countries. Please specify: _____	<input type="radio"/> ₁	<input type="radio"/> ₂	<input type="radio"/> ₃	<input type="radio"/> ₄	<input type="radio"/> ₅

