



REQUEST FOR SUPPLY ARRANGEMENT (RFSA):	RNCAN-122745
TITLE:	Request for Supply Arrangement, Production of Geospatial data
DATE OF SOLICITATION:	September 2nd, 2015 (Daylight Savings Time EDT)
SOLICITATION CLOSING DATE AND TIME:	October 13, 2015 at 2:00 P.M. (Daylight Savings Time EDT)
ADDRESS INQUIRIES TO CONTRACTING AUTHORITY:	France Bolduc Natural Resources Canada Procurement Specialist France.bolduc@Canada.ca
SECURITY:	There is no security requirement applicable to this Request for Supply Arrangements.
SEND PROPOSAL TO:	By E-mail : RNCAN_Quebec_bid_soumission@NRCan.gc.ca IMPORTANT : make sure to put this information in object : RFP # RNCAN-122745
VENDOR/FIRM NAME AND FULL POSTAL ADDRESS (PLEASE PRINT):	
 CONTACT/TELEPHONE/FAX/EMAIL ADDRESS:	
NAME AND TITLE OF PERSON AUTHORIZED TO SIGN ON BEHALF OF BIDDER (PLEASE PRINT):	
PROPOSAL TO: NATURAL RESOURCES CANADA (NRCAN)	
We hereby propose to offer to Her Majesty the Queen in right of Canada, in accordance with the terms and conditions set out herein, referred to herein or attached hereto and on any attached.	
Signature of Person Authorized to Sign on behalf of Vendor/Firm:	
_____ Date _____	



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PART 1 - GENERAL INFORMATION

1.1 Introduction

The Request for Supply Arrangements (RFSA) is divided into six parts plus attachments and annexes, as follows:

- Part 1 General Information: provides a general description of the requirement;
- Part 2 Supplier Instructions: provides the instructions applicable to the clauses and conditions of the RFSA;
- Part 3 Arrangement Preparation Instructions: provides suppliers with instructions on how to prepare the arrangement to address the evaluation criteria specified;
- Part 4 Evaluation Procedures and Basis of Selection: indicates how the evaluation will be conducted, the evaluation criteria which must be addressed in the arrangement and the basis of selection;
- Part 5 Certifications: includes the certifications to be provided; and
- Part 6 6A, Supply Arrangement, 6B, Bid Solicitation, and 6C, Resulting Contract Clauses:
 - 6A, includes the Supply Arrangement (SA) with the applicable clauses and conditions;
 - 6B, includes the instructions for the bid solicitation process within the scope of the SA;
 - 6C, includes general information for the conditions which will apply to any contract entered into pursuant to the SA.

The Annexes include the Statement of Work and any other annexes.

1.2 Summary

This is the RFSA for the first of a two stage procurement process.

Stage 1- Request for Supply Arrangement (RFSA) and Supply Arrangement (SA) Stage

For Stage 1, this competitive RFSA is issued on the Government Electronic Tendering Service (GETS) hosted by buyandsell.gc.ca. An evaluation of the offers will be conducted and the successful offerors will be issued a SA for "as and when requested" work.

The SAs will be available for use upon signature by NRCAN and will be effective on the same date. A supplier will be deemed to have been added to the SA Holders list upon signature of the SA.

If a supplier is deemed NON-COMPLIANT by the Evaluation Committee, the Offeror will be notified of the decision and the reason(s) for the NON-COMPLIANCE.

Subsequent to the issuance of the SAs, Canada will post a Notice of Proposed Procurement (NPP) on buyandsell.gc.ca once a year for the period covered by the SA. This will permit additional Suppliers to submit offers to become SA Holders and to be authorized a SA for the provision of the required services on an "as and when requested" basis for the remaining period of the SA. SA Holders will not be deleted because of the addition of new SA Holders.



Provide labour, materials, equipment and supervision required for the production of geospatial data for the Centre for Topographic Information - Sherbrooke (CTIS).

Services categories:

1. Acquisition of Digital Elevation Model (DEM)
2. National Hydrography Network (NHN) completeness level upgrading work
3. Editing or normalization of vector data
4. Orthorectification of aerial photos or satellite imagery
5. Editing or normalization of raster data

This list of the type of work could be modified according to organizational needs.

The Supply Arrangement has no defined end-date and will remain valid until the Canada considers that it is not advantageous to use it.

A total of expenditure of \$ 2,500,000.00 is estimated for the next 5 years.

Stage 2 - Competition Stage

For Stage 2, competitions will be entered into in accordance with the framework as described herein during the term of the SAs. CIT-S from Natural Resources Canada (NRCAN) may issue, under their own contracting authority, request for bids for requirements not exceeding the specific financial limits described herein. The authority for CIT-S will be \$100,000.00 including GST, over that amount, Procurement Departments from NRCAN will request bids. In both situations, the contract must be awarded by a procurement officer at NRCAN.

For every request, the project manager must determine what category of service applies. All suppliers holding a supply arrangement in the required service category will be invited to submit a bid in response to the needs specified in the solicitation.

For service requirements, Suppliers must provide the required information as detailed in article 2.3 of Part 2 of the Request for Supply Arrangements (RFSA), in order to comply with Treasury Board policies and directives on contracts awarded to former public servants.

The requirement is subject to the provisions of the North American Free Trade Agreement (NAFTA), and the Agreement on Internal Trade (AIT).

The requirement covered by the bid solicitation of any resulting supply arrangement may be subject to a preference for Canadian goods and/or services or may be limited to Canadian goods and/or services.

The SA from this process should not be used to award contracts included in a Comprehensive Land Claim Agreement (CLCA). If NRCAN must have a need for services subject to a CLCA, a procurement process respecting Canada's obligations under this agreement will be followed.

1.3 Security Requirements

There is no security requirement associated with this RFSA.

1.4 Debriefings

Suppliers may request a debriefing on the results of the request for supply arrangements process. Suppliers should make the request to the Supply Arrangement Authority within 15 working days of receipt of the results of the request for supply arrangements process. The debriefing may be in writing, by telephone or in person.



PART 2 - SUPPLIER INSTRUCTIONS

2.1 Standard Instructions, Clauses and Conditions

All instructions, clauses and conditions identified in the Request for Supply Arrangements (RFSA) by number, date and title are set out in the [Standard Acquisition Clauses and Conditions Manual](https://buyandsell.gc.ca/policy-and-guidelines/standard-acquisition-clauses-and-conditions-manual) (<https://buyandsell.gc.ca/policy-and-guidelines/standard-acquisition-clauses-and-conditions-manual>) issued by Public Works and Government Services Canada.

Suppliers who submit an arrangement agree to be bound by the instructions, clauses and conditions of the RFSA and accept the clauses and conditions of the Supply Arrangement and resulting contract(s).

The [2008 \(2015-07-03\)](#) Standard Instructions - Request for Supply Arrangements - Goods or Services, are incorporated by reference into and form part of the RFSA.

- **In the complete text content (except subsection 3.0):** *delete* "Public Works and Government Services Canada" and *insert* "Natural Resources Canada". *Delete* "PWGSC" and *insert* "NRCAN".
- **In subsection 2:** *delete* "Suppliers are required to" and insert "It is suggested that suppliers"
- **In subsection 5.4:** *delete* "sixty (60) days" and *insert* "ninety (90) days"
- **In subsection 8:** not applicable

2.2 Submission of Arrangements

Arrangements must be submitted only by email by the date, time and email address indicated on page 1 of the Request for Supply Arrangements.

Due to the nature of the Request for Supply Arrangements, transmission of arrangements by facsimile to NRCAN will not be accepted.

2.3 Former Public Servant - Notification

Service contracts awarded to former public servants in receipt of a pension or a lump sum payment must bear the closest public scrutiny and reflect fairness in the spending of public funds. Therefore, the bid solicitation will require that you provide information that, were you to be the successful bidder, your status with respect to being a former public servant in receipt of a pension or a lump sum payment, will be required to report this information on the departmental websites as part of the published proactive disclosure reports generated in accordance with Treasury Board policies and directives on contracts with former public servants, [Contracting Policy Notice 2012-2](#) and the [Guidelines on the Proactive Disclosure of Contracts](#). This information must be submitted before an SA may be issued.

2.4 Federal Contractors Program for Employment Equity - Notification

The Federal Contractors Program (FCP) for employment equity requires that some contractors make a formal commitment to Employment and Social Development Canada (ESDC) - Labour to implement employment equity. In the event that this Supply Arrangement would lead to a contract subject to the Federal Contractors Program (FCP) for employment equity, the bid solicitation and resulting contract templates would include such specific requirements. Further information on the Federal Contractors Program (FCP) for employment equity can be found on [Employment and Social Development Canada \(ESDC\) - Labour's](#) website.



2.5 Enquiries - Request for Supply Arrangements

All enquiries must be submitted in writing to the Supply Arrangement Authority no later than seven (7) working days before the Request for Supply Arrangements (RFSA) closing date. Enquiries received after that time may not be answered.

It is important that bidders should reference as accurately as possible the numbered item of the RFSA to which the enquiry relates. Care should be taken by suppliers to explain each question in sufficient detail in order to enable Canada to provide an accurate answer. It is important that technical enquiries that are of a proprietary nature be clearly marked "proprietary" at each relevant item. Items identified as "proprietary" will be treated as such except where Canada determines that the enquiry is not of a proprietary nature. Canada may edit the question(s) or may request that suppliers do so, so that the proprietary nature of the question(s) is eliminated, and the enquiry can be answered to all suppliers. Enquiries not submitted in a form that can be distributed to all suppliers may not be answered by Canada.

Please direct your enquiries to:
France Bolduc, Procurement Specialist
france.bolduc@canada.ca

2.6 Applicable Laws

The Supply Arrangement (SA) and any contract awarded under the SA must be interpreted and governed, and the relations between the parties determined, by the laws in force in Quebec.

Suppliers may, at their discretion, substitute the applicable laws of a Canadian province or territory of their choice without affecting the validity of the arrangement, by deleting the name of the Canadian province or territory specified and inserting the name of the Canadian province or territory of their choice. If no change is made, it acknowledges that the applicable laws specified are acceptable to the suppliers.

PART 3 - ARRANGEMENT PREPARATION INSTRUCTIONS

3.1 Arrangement Preparation Instructions

Canada requests that bidders provide the arrangement in separately files as follows:

Section I: Technical Bid - (1 electronic copy)

Section II: Certifications - (1 electronic copy)

No payment shall be made for costs incurred by the Bidder in the preparation and submission of a proposal in response to this RFSA.

Canada requests that suppliers follow the format instructions described below in the preparation of the arrangement.

- (a) use 8.5 x 11 inch (216 mm x 279 mm) format;
- (b) use a numbering system that corresponds to that of the Request for Supply Arrangements.

Section I: Technical Arrangement

In the technical arrangement, suppliers should explain and demonstrate how they propose to meet the requirements and how they will carry out the Work.

Section II: Certifications

Suppliers must submit the certifications required under Part 5.



PART 4 - EVALUATION PROCEDURES AND BASIS OF SELECTION

4.1 Evaluation Procedures

- (a) Arrangements will be assessed in accordance with the entire requirement of the Request for Supply Arrangements including the technical evaluation criteria.
- (b) An evaluation team composed of representatives of Canada will evaluate the arrangements.

4.1.1 Technical Evaluation

To be granted an AMA in a given category of services, suppliers must meet either one of the following conditions:

- Have been qualified in the same category as part of Supply Arrangement 23258-109750/MTB AND have completed a contract in this same category during the last five (5) years.

OR

- Satisfactorily completed a contract qualification * in a given category.

* *Contract Qualification:* To assess the supplier's ability to perform the desired production data, NRCAN will grant to each supplier wishing to qualify, a low value contract for the analysis of a small amount of data corresponding to the category rating sought. The qualification granted rate for this contract will be the same for all contracts in the category of service and will be based on the average rate of contracts awarded over the last year.

Following the evaluation process, a supplier may be granted a SA in one or more categories of services.

4.2 Basis of Selection

An arrangement must comply with the requirements of the Request for Supply Arrangements and meet all technical evaluation criteria to be declared responsive.

PART 5 - CERTIFICATIONS

Suppliers must provide the required certifications and associated information to be issued a supply arrangement (SA).

The certifications provided by suppliers to Canada are subject to verification by Canada at all times. Canada will declare an arrangement non-responsive, or will declare a contractor in default in carrying out any of its obligations under any resulting contracts, if any certification made by the Supplier is found to be untrue whether made knowingly or unknowingly during the arrangement evaluation period, or during the period of any supply arrangement arising from this RFSA and any resulting contracts.

The Supply Arrangement Authority will have the right to ask for additional information to verify the Supplier's certifications. Failure to comply and to cooperate with any request or requirement imposed by the Supply Arrangement Authority may render the arrangement non-responsive, or constitute a default under the Contract.



5.1 Certifications Precedent to Issuance of a Supply Arrangement

The certifications listed below should be completed and submitted with the arrangement, but may be submitted afterwards. If any of these required certifications is not completed and submitted as requested, the Supply Arrangement Authority will inform the Supplier of a time frame within which to provide the information. Failure to comply with the request of the Supply Arrangement Authority and to provide the certifications within the time frame provided will render the arrangement non-responsive.

5.1.1 Federal Contractors Program – Certification

Suppliers who are subject to the Federal Contractors Program (FCP) and have been declared ineligible contractors by Human Resources and Skills Development Canada (HRSDC) are no longer eligible to receive federal government contracts over the threshold for solicitation of bids as set out in the Government Contracts Regulations.

Suppliers may be declared ineligible contractors either as a result of a finding of non-compliance by HRSDC, or following their voluntary withdrawal from the FCP for a reason other than the reduction of their workforce to less than 100 employees. Any bids from ineligible contractors, including a bid from a joint venture that has a member who is an ineligible contractor, will be declared non-responsive.

The Bidder, or, if the Bidder is a joint venture the member of the joint venture, certifies its status with the FCP, as follows:

The Bidder or the member of the joint venture

- (a) () is not subject to the FCP, having a workforce of less than 100 full-time or part-time permanent employees, and/or temporary employees having worked 12 weeks or more in Canada;
(b) () is not subject to the FCP, being a regulated employer under the Employment Equity Act, S.C. 1995, c. 44;
(c) () is subject to the requirements of the FCP, having a workforce of 100 or more full-time or part-time permanent employees, and/or temporary employees having worked 12 weeks or more in Canada, but has not previously obtained a certificate number from HRSDC, having not bid on requirements of \$200,000 or more;
(d) () has not been declared an ineligible contractor by HRSDC, and has a valid certificate number as follows: _____.

Further information on the FCP is available on the HRSDC Web site.

Signature of Authorized Company Official

Date

5.1.2 Former Public Servant Certification

Contracts with former public servants (FPS) in receipt of a pension or of a lump sum payment must bear the closest public scrutiny and reflect fairness in spending public funds. In order to comply with Treasury Board policies and directives on contracts with FPS, bidders must provide the information required below.



Definitions

For the purposes of this clause,

"Former public servant" means a former member of a department as defined in the *Financial Administration Act*, R.S., 1985, c. F-11, a former member of the Canadian Armed Forces or a former member of the Royal Canadian Mounted Police and includes:

- (a) An individual;
- (b) An individual who has incorporated;
- (c) A partnership made up of former public servants; or
- (d) Sole proprietorship or entity where the affected individual has a controlling or major interest in the entity.

"Lump sum payment period" means the period measured in weeks of salary, for which payment has been made to facilitate the transition to retirement or to other employment as a result of the implementation of various programs to reduce the Public Service.

"pension" means, in the context of the fee abatement formula, a pension or annual allowance paid under the *Public Service Superannuation Act* (PSSA), R.S., 1985, c. P-36, and any increases paid pursuant to the *Supplementary Retirement Benefits Act*, R.S., 1985, c. S-24 as it affects the PSSA. It does not include pensions payable pursuant to the *Canadian Forces Superannuation Act*, R.S., 1985, c. C-17, the *Defence Services Pension Continuation Act*, 1970, c. D-3, the *Royal Canadian Mounted Police Pension Continuation Act*, 1970, c. R-10, and the *Royal Canadian Mounted Police Superannuation Act*, R.S., 1985, c. R-11, the *Members of Parliament Retiring Allowances Act*, R.S., 1985, c. M-5, and that portion of pension payable to the *Canada Pension Plan Act*, R.S., 1985, c. C-8.

Former Public Servant (FPS) in Receipt of a Pension

Is the Bidder a FPS in receipt of a pension as defined above? YES () NO ()

If so, the Bidder must provide the following information:

- (a) Name of former public servant;
- (b) Date of termination of employment or retirement from the Public Service.

Work Force Reduction Program

Is the Bidder a FPS who received a lump sum payment pursuant to the terms of a work force reduction program? YES () NO ()

If so, the Bidder must provide the following information:

- (a) Name of former public servant;
- (b) Conditions of the lump sum payment incentive;
- (c) Date of termination of employment;
- (d) Amount of lump sum payment;
- (e) Rate of pay on which lump sum payment is based;
- (f) Period of lump sum payment including start date, end date and number of weeks;
- (g) Number and amount (professional fees) of other contracts subject to the restrictions of a work force reduction program.



For all contracts awarded during the lump sum payment period, the total amount of fee that may be paid to a FPS who received a lump sum payment is \$5,000, including the Goods and Services Tax or Harmonized Sales Tax.

5.1.3 Certification

By submitting an arrangement, supplier certifies that the information submitted by the supplier in response to the above requirements is accurate and complete.

PART 6 - SUPPLY ARRANGEMENT AND RESULTING CONTRACT CLAUSES

A. SUPPLY ARRANGEMENT

6.1 Arrangement

The Supply Arrangement covers the Work described the Statement of Work at Annex A.

6.2 Security Requirements

6.2.1 There is no security requirement applicable to this Supply Arrangement.

6.3 Standard Clauses and Conditions

All clauses and conditions identified in the Supply Arrangement and resulting contract(s) by number, date and title are set out in the [Standard Acquisition Clauses and Conditions Manual](https://buyandsell.gc.ca/policy-and-guidelines/standard-acquisition-clauses-and-conditions-manual) (<https://buyandsell.gc.ca/policy-and-guidelines/standard-acquisition-clauses-and-conditions-manual>) issued by Public Works and Government Services Canada.

6.3.1 General Conditions

[2020](#) (2015-07-03) General Conditions - Supply Arrangement - Goods or Services apply to and form part of the Supply Arrangement.

6.3.2 Supply Arrangement Reporting

The Supplier must compile and maintain records on its provision of goods, services or both to the federal government under contracts resulting from the Supply Arrangement. This data must include all purchases, including those paid for by a Government of Canada Acquisition Card.

The Supplier must provide this data in accordance with the reporting requirements detailed below. If some data is not available, the reason must be indicated. If no goods or services are provided during a given period, the Supplier must still provide a "NIL" report.

The data must be submitted annually to the Supply Arrangement Authority.

The data must be submitted to the Supply Arrangement Authority within 30 calendar days after the end of the reporting period.

These reports include, among others, the following:

- The Supply Arrangement number;
- The supplier's name;
- The period covered by the report;
- The request and the contract dates;
- The contract value, Goods and Services Tax or Harmonized Sales Tax included, if applicable.



6.4 Term of Supply Arrangement

6.4.1 Period of the Supply Arrangement

The Supply Arrangement has no defined end-date and will remain valid until such time as Canada no longer considers it to be advantageous to use it.

The period for awarding contracts under the Supply Arrangement begins _____ *(To be completed at contract award)*.

6.5 Authorities

6.5.1 Supply Arrangement Authority

The Supply Arrangement Authority is:

France Bolduc
Procurement Specialist
1055, P.E.P.S., C.P. 10380
Quebec, QC G1V 4C7
418-648-5043
france.bolduc@canada.ca

The Supply Arrangement Authority is responsible for the issuance of the Supply Arrangement, its administration and its revision, if applicable.

6.5.2 Supplier's Representative *(To be completed at contract award)*.

Name:
Title:
Telephone:
Email:

6.6 Identified Users

The Identified User is: Centre for Topographic Information from Natural Resources Canada in Sherbrooke.

6.7 On-going Opportunity for Qualification

A Notice will be posted once a year on the Government Electronic Tendering Service (GETS) to allow new suppliers to become qualified. Existing qualified suppliers, who have been issued a supply arrangement, will not be required to submit a new arrangement.

6.8 Priority of Documents

If there is a discrepancy between the wording of any documents that appear on the list, the wording of the document that first appears on the list has priority over the wording of any document that subsequently appears on the list.

- (a) the articles of the Supply Arrangement;
- (b) the general conditions [2020](#) (2015-07-03), General Conditions - Supply Arrangement - Goods or Services



- (c) Annex A, Statement of work;
- (d) the Supplier's arrangement dated _____ (*insert date of arrangement*)

6.9 Certifications

6.9.1 Compliance

The continuous compliance with the certifications provided by the Supplier in its arrangement and the ongoing cooperation in providing associated information are conditions of issuance of the Supply Arrangement (SA). Certifications are subject to verification by Canada during the entire period of the SA and of any resulting contract that would continue beyond the period of the SA. If the Supplier does not comply with any certification, fails to provide the associated information, or if it is determined that any certification made by the Supplier in the arrangement is untrue, whether made knowingly or unknowingly, Canada has the right to terminate any resulting contract for default and suspend or cancel the Supply Arrangement.

6.10 Applicable Laws

The Supply Arrangement (SA) and any contract resulting from the SA must be interpreted and governed, and the relations between the parties determined, by the laws in force in _____. (*Insert the name of the province or territory as specified by the Supplier in the arrangement, if applicable*).

B. BID SOLICITATION

6.1 Bid Solicitation Documents

Canada will use the following bid solicitation templates based on the estimated dollar value and complexity of the requirement:

- Simple, for low dollar value requirements;
- Medium Complexity (MC) for medium complexity requirements;

Note: The latest versions of the template and terms and conditions will be used at time of bid solicitation.

The bid solicitation will contain as a minimum the following:

- (a) a complete description of the Work to be performed;
- (b) [2003](#) (2015-07-03), Standard Instructions - Goods or Services - Competitive Requirements;
- (c) bid preparation instructions;
- (d) instructions for the submission of bids (address for submission of bids, bid closing date and time);
- (e) evaluation procedures and basis of selection;
- (f) certifications;
- (g) conditions of the resulting contract.



6.2 Bid Solicitation Process

- 6.2.1 Bids will be solicited for specific requirements within the scope of the Supply Arrangement (SA) from suppliers who have been issued a SA.
- 6.2.2 The bid solicitation will be sent directly to suppliers.
- 6.2.3 The Identified Users may issue request for bids for requirements not exceeding the specific financial limits of \$100,000.00 including GST, over that amount, a Procurement Officer from NRCAN will request bids. In both situations, the contract must be awarded by the Procurement Department at NRCAN.

C. RESULTING CONTRACT CLAUSES

6.1 General

The conditions of any contract awarded under the Supply Arrangement will be in accordance with the resulting contract clauses of the template used for the bid solicitation.

For any contract to be awarded using the template:

- (a) **Simple** (for low dollar value requirements), general conditions [2029](#) will apply to the resulting contract;
- (b) **MC** (for medium complexity requirements), general conditions [2010B](#) will apply to the resulting contract;

A copy of the template(s) can be provided upon request by contacting the Procurement Process Tools Division by sending a query to Outilsd'approvisionnement.ProcurementTools@tpsgc-pwgsc.gc.ca.

Note: References to the HC, MC and Simple templates in PWGSC Requests for Supply Arrangements are provided as examples only. The latest versions of the template and terms and conditions will be used at time of bid solicitation.



ANNEX A – STATEMENT OF WORK

1- Nature of Supply Arrangement (SA)

The SA will be used for the contractual production of geospatial data for the Canada Center for Mapping and Earth Observation (CCMEO).

2- Estimation of work by fiscal year for the next 5 years.

Fiscal Year	Estimation
October 2015 – March 2016	\$400,000.00
April 2016 – March 2017	\$500,000.00
April 2017 – March 2018	\$500,000.00
April 2018 – March 2019	\$500,000.00
April 2019 – March 2020	\$600,000.00
TOTAL	\$2,500,000.00

3- Qualification required

The types of works requiring a qualification are:

WORK	NAME
MNE	Acquisition of Digital Elevation Model (DEM)
RHN	National Hydrography Network (NHN) completeness level upgrading work
ED_VECT	Editing or normalization of vector data
ORTHOIMAGE	Orthorectification of aerial photos or satellite imagery
ED_MATR	Editing or normalization of raster data

Note: This list of the type of work could be modified according to organizational needs.

4- Type of contracts

A contract can require one or more than one qualification. Section 4 identifies the types of contracts allowed within the SA.

Also, the geospatial data production contracts issued by the Canada Center of Mapping and Earth Observation (CCMEO) are governed by a contractual standard.

CITS-PRO-DA-AN_Norme_contractuelle	v.12
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Note: The document is available at this FTP site: <ftp://ftp.cits.rncan.gc.ca/pub/production/doc/>



4.1- Acquisition of Digital Elevation Model (DEM)

4.1.1- Statement of work

There are two national coverages of DEM: one at the scale of 1: 250 000 and another at the scale of 1: 50 000. The acquisition contracts aim to improve one of these two coverages, or to produce higher resolution DEMs according to CCMEQ's organizational needs. Potential deliverables, defined below, are shown in the statement of work for each contract:

- DEM in GEOTIFF format
- 3D modeling of aerial photos or satellite imagery
- Definition of exterior orientation, triangulation

4.1.2- Technical specifications

For these types of contracts, the technical specifications are described within the documents related to the statement of works.

4.2- National Hydrography Network completeness level upgrading work (RHN)

4.2.1- Statement of work

The NHN is composed of hydrographic features of the Geospatial Database (GDB) and assembled by work unit created from the "Sub-sub-drainage areas" of the Water Survey of Canada (WSCSSDA) and Fundamental Drainage Areas (ADF) of the Atlas of Canada. In addition, the Completeness Levels (1 to 4) define the status of data by NHN work units according to NHN standard. The contracts consist in normalizing the NHN data in accordance with one of these levels : the statement of work for each contract identifies the level of completeness to achieve.

List of possible Completeness Level to achieve:

- Completeness Level 1 (Network)
- Completeness Level 2 (Waterbody definition)
- Completeness Level 3 (Data continuity)
- Completeness Level 4 (Toponymy enhancement)

4.2.2- Technical specifications

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Note: This document is available at this FTP site: ftp://ftp.cits.rncan.gc.ca/pub/production/rhn_nc3/doc/

4.3- Editing or normalization of vector data (VECT)

4.3.1- Statement of work

CCMEQ has the mandate of maintaining the Geospatial Data Base (GDB). Moreover, the CCMEQ plays a leading role in the implementation of the Federal Geospatial Platform (FGP). The works executed by these contracts are defined below and the deliverables are defined within the statement of work of each contract.



List of possible work:

- Data normalization
- Data correction
- Data update

4.3.2- Technical specifications

No document available for the moment.

4.4- Orthorectification of aerial photos or satellite imagery (ORTHOIMAGE)

4.4.1- Statement of work

CCMEO may need to produce orthoimages to achieve its mandate. The definition of data sources, particular processes and deliverables are provided within the statement of work for each contract.

4.4.2- Technical specifications

No document available for the moment.

4.5- Editing or normalization of raster data (ED MATR)

4.5.1- Statement of work

CCMEO manages several collections of raster products. This type of work aims to achieve:

- The correction of discrepancies;
- Data normalization
- A particular treatment on the data

Potential deliverables, defined here below, are shown in the statement of work for each contract:

4.5.2- Technical specifications

No document available for the moment.